

INDUSTRIAL ACCESS — ADVANCE (NILFISK-ADVANCE)

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
ACCESS						
SEE STERLING INDUSTRIES LLC						
ACKER DRILL DIVISION						
CHRISTENSEN BOYLES CORPORATION						
Core Drills						
2013-11	Mark III Hillbilly	24	420		S3-24	S4-24
1995-90	CS1000, CS3000	4D	960		T4-4D	—
1995-90	CS4000, WA-111C	4D	960		T4-4D	—
1995-90	Hillbilly MK-III – Gas	24	410		S3-24	S4-24
1995-90	Mountaineer – Gas	24	410		S3-24	S4-24
1995-67	Ace, Bushmaster	24	410		S3-24	S4-24
1995-65	Hillbilly MK-III – Diesel	4D	960		T4-4D	—
1995-65	Mountaineer – Diesel	4D	960		T4-4D	—
Earth Auger & Core Drill						
2017-16	AD-II	4D	960		T4-4D	—
2013-07	AD-II, Soil Max	4D	960		T4-4D	—
2013-07	Soil-XLS	24	420		S3-24	S4-24
2013-07	Soil-XLS – Optional	31T	1000		T4-31+	—
2013-06	Soil Scout	24	420		S3-24	S4-24
1995-86	Soil Max	4D	960		T4-4D	—
1995-82	Soil Sentry, Soil X	24	410		S3-24	S4-24
1995-69	AD-II – Gas	24	410		S3-24	S4-24
1995-69	AD-II – Diesel	4D	960		T4-4D	—
Grout Mixer & Pavement Test Drill						
1995-65	Colgrouter, PT-22	24	410		S3-24	S4-24
Multi-Purpose Drill						
1995-77	CS2000, MP-18	4D	960		T4-4D	—
1995-77	MP-MK-V	4D	960		T4-4D	—
Pumping Station						
1995-75	3T2-A – Electric Start	4D	960		T4-4D	—
1995-75	Deutz F3L-912 – Electric Start	4D	960		T4-4D	—
1995-75	Lister TS-2A – Electric Start	4D	960		T4-4D	—
1995-68	All other engines – Electric Start	24	410		S3-24	S4-24
Rotary Drills						
1995-72	WA-II, WA-III C	4D	960		T4-4D	—
Self Propelled Drills						
2013-98	MP-8 Series	4D	960		T4-4D	—
2013-11	R.A.D.	24	420		S3-24	S4-24
2012-06	Renegade	4D	960		T4-4D	—
Soil Sampling Drill						
1993-67	Teredo MK-II – Gas	24	410		S3-24	S4-24
1993-67	Teredo MK-II – Diesel	4D	960		T4-4D	—
Tie Back Drill						
1995-73	Holegater	4D	960		T4-4D	—
1995-73	Under Core Drill CS-1000	4D	960		T4-4D	—
ACME MACHINERY INC.						
Loaders						
1986-79	S1-D1 Deutz	4D	840	{173}	T4-4D	—
ADVANCE (NILFISK-ADVANCE)						
Burnishers						
	Whirlamatic 1000 – 24-volt	GC2	NR	{173}	—	—
	Whirlamatic 20 UHSB 36-volt	901	NR	{178}	—	—
	Whirlamatic 20 UHSB Optional, 36-volt	921	NR	{181}	—	—
		GC2	NR	{178}	—	—
	Whirlamatic 20 UHSBD 36-volt	901	NR	{178}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
ADVANCE (NILFISK-ADVANCE) (Continued)						
Burnishers (Continued)						
	Whirlamatic 20 UHSBD Optional, 36-volt	921	NR	{181}	—	—
		GC2	NR	{178}	—	—
	Whirlamatic 2000 – 36-volt	921	NR	{181}	—	—
	Whirlamatic 2500 – 36-volt	921	NR	{181}	—	—
	Whirlamatic 2700 – 36-volt	903	NR	{178}	—	—
	Whirlamatic T2000 – 36-volt	903	NR	{178}	—	—
	Whirlamatic Twin 2000 36-volt	903	NR	{181}	—	—
	Whirlamatic VS20 – 36-volt	901	NR	{181}	—	—
	Whirlamatic VS20 Optional, 36-volt	GC2	NR	{178}	—	—
Carpet Extractor, Shampooers						
	Aquamatic 20B – 24-volt	GC2	NR	{173}	—	—
	Aquamatic 26B – Optional, 36-volt	901	NR	{178}	—	—
	Aquamatic 26B – 36-volt	GC2	NR	{178}	—	—
	Aquamatic 26BF – Optional, 36-volt	901	NR	{178}	—	—
	Aquamatic 26BF – 36-volt	GC2	NR	{178}	—	—
Floor Machines						
	2000B – 36-volt	921	NR	{181}	—	—
	2033B – 36-volt	903	NR	{178}	—	—
	260BHD Scrubber – 24-volt	901	NR	{173}	—	—
	Battery Roamer – 24-volt	GC2	NR	{173}	—	—
	Convertamatic 26SLX 36-volt	901	NR	{178}	—	—
	Convertamatic 26SLX Optional, 36-volt	GC2	NR	{178}	—	—
	Convertamatic 28LX 36-volt	901	NR	{178}	—	—
	Convertamatic 28LX Optional, 36-volt	GC2	NR	{178}	—	—
	Convertamatic 32B – 36-volt	GC2	NR	{178}	—	—
	Convertamatic 32BD Optional, 36-volt	901	NR	{178}	—	—
	Convertamatic 32BD 36-volt	GC2	NR	{178}	—	—
	Convertamatic 32LX Optional, 36-volt	901	NR	{178}	—	—
		903	NR	{178}	—	—
	Convertamatic 32LX 36-volt	GC2	NR	{178}	—	—
	Convertamatic 38BD Optional, 36-volt	901	NR	{178}	—	—
	Convertamatic 38BD 36-volt	GC2	NR	{178}	—	—
	Convertamatic 38LX 36-volt	901	NR	{178}	—	—
	Convertamatic 38LX Optional, 36-volt	902	NR	{178}	—	—
		903	NR	{178}	—	—
	Hydro-Retriever 285HD Scrubber – 36-volt	901	NR	{178}	—	—
	Hydro-Retriever 325HD Scrubber – 36-volt	903	NR	{178}	—	—
	Hydro-Retriever 3800 36-volt	903	NR	{178}	—	—
	Hydro-Retriever 385HD Scrubber – 36-volt	903	NR	{178}	—	—
	Micromatic 17B – 24-volt	24	NR	{3,15}	—	—
	Power-Flo 380BHD Scrubber – 36-volt	901	NR	{178}	—	—
	Retriever 134B – 24-volt	24	NR	{3,15}	—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL ADVANCE (NILFISK-ADVANCE) — ALL STATE

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
ADVANCE (NILFISK-ADVANCE) (Continued)						
Floor Machines (Continued)						
	Retriever 134B – 24-volt	27	NR	{3,15}	—	—
	Retriever 300B – 12-volt	24	NR	{3}	—	—
	Retriever 300B – Opt 12-Volt	GC2	NR	{15}	—	—
	Retriever 3600 – 24-volt	903	NR	{173}	—	—
	Retriever 3600 – Optional, 24-volt	GC2	NR	{173}	—	—
	Retriever 360B – 24-volt	GC2	NR	{173}	—	—
	Retriever 4000B – 24-volt	901	NR	{173}	—	—
		GC2	NR	{173}	—	—
	Retriever 5100 – 12-volt	24	NR	{134}	—	—
	Retriever 5800 – 12-volt	24	NR	{134}	—	—
	Retriever 6600XP – 12-volt	27	NR	{134}	—	—
	Sprite Battery Air Scoop 12 24-volt	24	NR	{3,15}	—	—
	TRC280 or TRC320 36-volt	GC2	NR	{178}	—	—
	TRC380 – 36-volt	903	NR	{178}	—	—
Scrubbers (Convertamatic)						
	17B – 24-volt	27	NR	{3,15}	—	—
	200B – Optional, 24-volt	27	NR	{3,15}	—	—
		GC2	NR	{173}	—	—
	200B, 200LX – 24-volt	901	NR	{173}	—	—
	200LX – Optional, 24-volt	27	NR	{3,15}	—	—
		GC2	NR	{173}	—	—
	20B – 24-volt	27	NR	{3,15}	—	—
	210B, 21B – 24-volt	GC2	NR	{173}	—	—
	240LX – Optional, 36-volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
	240LX, 285LX – 36-volt	GC2	NR	{178}	—	—
	24B, 260B – 24-volt	GC2	NR	{173}	—	—
	260B – Optional, 24-volt	901	NR	{173}	—	—
	260BHD – Optional, 24-volt	901	NR	{173}	—	—
	260BHD, 260HB – 24-volt	GC2	NR	{173}	—	—
	260HB – Optional, 24-volt	901	NR	{173}	—	—
	265LX – Optional, 24-volt	901	NR	{173}	—	—
		902	NR	{173}	—	—
	265LX, 26B – 24-volt	GC2	NR	{173}	—	—
	285LX – Optional, 36-volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
	28LX – Optional, 36-volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
	28LX, 320BHD – 36-volt	GC2	NR	{178}	—	—
	320HD – Optional, 36-volt	903	NR	{178}	—	—
	320HD, 32B – 36-volt	GC2	NR	{178}	—	—
	325HD, 325LX – 36-volt	903	NR	{178}	—	—
	32BD, 32LX – 36-volt	GC2	NR	{178}	—	—
	32LX – Optional, 36-volt	903	NR	{178}	—	—
	3800 – 36-volt	903	NR	{178}	—	—
	380BHD, 380HD – 36-volt	GC2	NR	{178}	—	—
	380HD – Optional, 36-volt	903	NR	{178}	—	—
	385HD, 385LX – 36-volt	903	NR	{178}	—	—
	38BD, 38LX – 36-volt	GC2	NR	{178}	—	—
	38LX – Optional, 36-volt	903	NR	{178}	—	—
	5000B, 5000HM – 36-volt	NA	NR	{133}	—	—
	5010B, 5010HM – 36-volt	NA	NR	{133}	—	—
	5015B – Optional, 36-volt	903	NR	{178}	—	—
	5015B, 5015HM – 36-volt	NA	NR	{133}	—	—
	5015HM – Optional, 36-volt	903	NR	{178}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
ADVANCE (NILFISK-ADVANCE) (Continued)						
Scrubbers (Convertamatic) (Continued)						
	Hydro-Retriever 240HD 24-volt	27	NR	{3,15}	—	—
	Hydro-Retriever 240HD Optional, 24-volt	GC2	NR	{173}	—	—
	Hydro-Retriever 260BHD 24-volt	GC2	NR	{173}	—	—
	Hydro-Retriever 265HD Optional, 24-volt	901	NR	{173}	—	—
	Hydro-Retriever 265HD 24-volt	GC2	NR	{173}	—	—
	Hydro-Retriever 280HD Optional, 36-volt	901	NR	{178}	—	—
	Hydro-Retriever 280HD 36-volt	GC2	NR	{178}	—	—
	Hydro-Retriever 285HD Optional, 36-volt	901	NR	{178}	—	—
	Hydro-Retriever 285HD 36-volt	GC2	NR	{178}	—	—
	Trac 240 – Optional, 24-volt	901	NR	{173}	—	—
		902	NR	{173}	—	—
	Trac 240 – 24-volt	GC2	NR	{173}	—	—
	Trac 280 – 36-volt	GC2	NR	{178}	—	—
	Trac 320 – 36-volt	903	NR	{178}	—	—
	Trac 380 – 36-volt	903	NR	{178}	—	—
Sweepers (Retriever)						
	Retriever 200HD – 24-volt	GC2	NR	{173}	—	—
	Retriever 3600B – 24-volt	GC2	NR	{173}	—	—
	Retriever 5800B – 36-volt	NA	NR	{133}	—	—
	Roamer 320B – 24-volt	GC2	NR	{173}	—	—
Vacuum						
	Sprite Air Scoop 12 24-volt	27	NR	{3,15}	—	—
AG CHEM EQUIPMENT						
Equipment						
RoGator						
2008-07	874	31T	700	{15}	T4-31	T4-31+
2008-06	1054, 1064, 1074	31T	700	{15}	T4-31	T4-31+
2008	SS1074, SS874	31T	700	{15}	T4-31	T4-31+
2008	SSC1074	31T	700	{15}	T4-31	T4-31+
2007-06	1254, 1264, 864	31T	700	{15}	T4-31	T4-31+
2007	1074C, 1268C	31T	700	{15}	T4-31	T4-31+
2006	1274	31T	700	{15}	T4-31	T4-31+
TerraGator						
2008-02	9103, 9105	31T	700	{15}	T4-31	T4-31+
2008	3244, 6203, 8203	31T	700	{15}	T4-31	T4-31+
2008	8204, 8244, 9203	31T	700	{15}	T4-31	T4-31+
2008	9205	31T	700	{15}	T4-31	T4-31+
2007	3104, 4104, 6103	31T	700	{15}	T4-31	T4-31+
2007	8104	31T	700	{15}	T4-31	T4-31+
2004-02	8144	31T	700	{15}	T4-31	T4-31+
AKERMAN HW INC.						
Formerly HEIN-WERNER CORPORATION						
Hydraulic Excavators						
1982-74	C-12B, C-14B, C-24	8D	845	{147}	T4-8D	T4-4D
1982-74	C-28	8D	845	{147}	T4-8D	T4-4D
ALL STATE						
Industrial						
1952	All, All	1	NA		—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL ALLEN CONCRETE PAVERS — ALLMAND

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
ALLEN CONCRETE PAVERS						
Concrete Pavers						
2017-16	255CD	26	500		S3513B	S3560B(32)
2016-03	255CD	26	500		S3513B	S3560B(32)
2016-00	150B	26	500		S3513B	S3560B(32)
2013-02	200C	26	500		S3513B	S3560B(32)
Slip Form Pavers						
2013-11	ASF 2700-HD	26	500		S3513B	S3560B(32)
2013-05	APWB 1800	26	500		S3513B	S3560B(32)
2010-05	APWB 2400	26	500		S3513B	S3560B(32)
ALLEN ENGINEERING CORP.						
Concrete Finishers/Trowels						
2017-99	HP 100B, HP 200	24	500	{15}	S3-24	S4-24
2014-98	Pro 1200	24	500	{15}	S3-24	S4-24
2013-99	Super Pro 400	24	500	{15}	S3-24	S4-24
2013-97	Pro 900	24	500	{15}	S3-24	S4-24
2013-97	Super Pro 450	24	500	{15}	S3-24	S4-24
2013-00	Pro 1050	24	500	{15}	S3-24	S4-24
ALLIED SYSTEMS CO.						
WAGNER DIVISION Formerly RAYGO-WAGNER						
Coil Carrier						
1981-74	CP-90, SW-600	8D	930	{15}	T4-8D	T4-4D
Compactors						
1975-62	RAM Models	8D	930		T4-8D	T4-4D
1975-62	RAM PAK Models	8D	930		T4-8D	T4-4D
1965-62	WC-24	4D	695	{15}	T4-4D	—
Lift Trucks						
1973-62	All	8D	930	{15}	T4-8D	T4-4D
Log Stackers						
1987-76	L-4120, L-470, L-480	8D	1000	{15}	T4-8D	T4-4D
1987-76	L-490	8D	1000	{15}	T4-8D	T4-4D
1987-62	L-100, L-120, L-130	8D	1000	{15}	T4-8D	T4-4D
1987-62	L-130B, L-130H, L-90	8D	1000	{15}	T4-8D	T4-4D
1987-62	LF90	8D	1000	{15}	T4-8D	T4-4D
1985-63	AP-45, L-24, L-40	8D	930	{15}	T4-8D	T4-4D
1985-63	L-70, L-80, LHR-45	8D	930	{15}	T4-8D	T4-4D
1985-63	MH-80	8D	930	{15}	T4-8D	T4-4D
1970-64	L-24 Super, L-60	4D	695	{15}	T4-4D	—
1970-64	L-80	4D	695	{15}	T4-4D	—
Port Packers						
1983-75	NCH-35, PC-9082	8D	930	{15}	T4-8D	T4-4D
1983-69	Apr-45, CH-50, CH-70	8D	930	{15}	T4-8D	T4-4D
1983-69	MH-80, PC-80, PC-90	8D	930	{15}	T4-8D	T4-4D
Rockhound, Steel Workers & Straddle Carrier						
1987-66	RH-200, STRAD-80	8D	930	{15}	T4-8D	T4-4D
1987-66	SW-80, SW-90	8D	930	{15}	T4-8D	T4-4D
Wheel Tractors						
1987-66	CB Series, CD Series	8D	1000	{15}	T4-8D	T4-4D
1987-66	CHD Series, DK-250	8D	1000	{15}	T4-8D	T4-4D
1987-66	SF-430	8D	1000	{15}	T4-8D	T4-4D
1972-66	WA Series – Optional	8D	1000	{173}	T4-8D	T4-4D
1972-66	WC Series – Optional	8D	1000	{173}	T4-8D	T4-4D
1972-66	WSC Series – Optional	8D	1000	{173}	T4-8D	T4-4D
1968-66	WA-14, WI-14, WI-17	4D	695	{15}	T4-4D	—
1968-66	WI-24, WSC-10	4D	695	{15}	T4-4D	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ °F	Notes	Replacement Options	
					Option 1	Option 2
ALLIS-CHALMERS & DEUTZ-ALIS						
INDUSTRIAL TRACTOR DIVISION						
Additional equipment listed in the Farm Equipment section.						
Fork Lifts						
1984-82	766	8D	945		T4-8D	T4-4D
ALLIS-CHALMERS CORPORATION						
INDUSTRIAL TRACTOR DIVISION						
Additional equipment listed in the Farm Equipment section.						
Dozers						
1966-64	D-30	4D	800	{15}	T4-4D	—
1966-63	D-40	8D	950	{15}	T4-8D	T4-4D
Early Models						
1968-55	HD-6, HD-7G, T-16D	4D	800	{147}	T4-4D	—
1968-55	TL-10D, TL-12D	4D	800	{147}	T4-4D	—
1968-53	HD-21, T-160, T-200	8D	950	{15}	T4-8D	T4-4D
1968-53	T-260, T-260E	8D	950	{15}	T4-8D	T4-4D
1968-53	TL-40D	8D	950	{15}	T4-8D	T4-4D
1968-50	HD-11, HD-16, HD-20	6D	750	{15}	T4-4D	—
1968-50	HD-6, HHD-15	6D	750	{15}	T4-4D	—
1967-65	TL-545D thru TL-745	4D	800	{147}	T4-4D	—
1967-64	H-4, HD-4, TL-10D	30H	585	{147}	T4-31P	T4-31P+
1967-64	TL-12D	30H	585	{147}	T4-31P	T4-31P+
1967-60	HD-3	2	600	{15}	—	—
1967-55	T-360, T-460, T-460B	8D	950	{15}	T4-8D	T4-4D
1967-55	T-560, T-560C	8D	950	{15}	T4-8D	T4-4D
1967-51	H-3, TL-10G, TL-12G	24	400		S3-24	S4-24
1966-58	TL-14G, TL-16D	4D	800		T4-4D	—
1966-58	TL-16G, TL-20D	4D	800		T4-4D	—
1966-58	TL-30D	4D	800		T4-4D	—
1965-59	TL-14D	NA	NA	{169}	—	—
Industrial Tractors						
1984-70	640, 644	30H	580	{15}	T4-31P	T4-31P+
1984-70	650, 700 – Diesel	30H	580	{15}	T4-31P	T4-31P+
1984-69	706B, 706C, 715B	30H	580	{147}	T4-31P	T4-31P+
1984-69	715C, 816B, 816C	30H	580	{147}	T4-31P	T4-31P+
1984-69	840B, 840C, 918, 940	30H	580	{147}	T4-31P	T4-31P+
1981-79	705C, 706C – Diesel	8D	945	{147}	T4-8D	T4-4D
1981-79	705C, 706C, 708C – Gas	30H	580		T4-31P	T4-31P+
1981-79	708C – Diesel	8D	945	{147}	T4-8D	T4-4D
1981-79	714B, 715B – Diesel	30H	580	{15}	T4-31P	T4-31P+
1978-75	540	24	305		S3-24	S4-24
1968-67	12G	6D	750	{15}	T4-4D	—
Backhoe Loaders						
1984-82	710C, 714C, 7151C	30H	580	{147}	T4-31P	T4-31P+
Forklifts						
1984-82	705D, 706D – Optional	8D	945		T4-8D	T4-4D
1984-82	705D, 706D, 708D	30H	580		T4-31P	T4-31P+
1984-82	708D, 766 – Optional	8D	945		T4-8D	T4-4D
1984-82	766	30H	580		T4-31P	T4-31P+
Motor Graders						
1967-49	All ex. D	5D	800	{15}	—	—
1967-49	All ex. DD	5D	800	{15}	—	—
1967-49	D, DD	1	500	{15}	—	—
ALLMAND						
Light Plants						
2013-07	ML 15 Maxi-Lite	24	675		S5521B	S5564B
2013-07	ML 20 Maxi-Lite	24	675		S5521B	S5564B
2010-03	Night –Lite pro	24	675		S5521B	S5564B
2006-97	6330 Nite-Lite	24	675		S5521B	S5564B
2006-97	8500XL Nite-Lite	24	675		S5521B	S5564B

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INDUSTRIAL

INDUSTRIAL

ALLMAND — AMERICAN ROAD EQUIPMENT CO.

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
ALLMAND (Continued)						
Light Plants (Continued)						
2006-02	8330 Nite-Lite	24	675		S5521B	S5564B
Mini Tractor/Loader/Backhoes						
2013-07	TLB220, TLB325	24	675		S5521B	S5564B
2013-07	TLB425, TLB535	24	675		S5521B	S5564B
2013-07	TLB6235	24	675		S5521B	S5564B
2012-07	TLB225	24	675		S5521B	S5564B
ALTEC						
Truck Mounted/Towable Drills						
2013-01	HD35A-10, HD35A-12	51	425		S4535B	—
2013-01	HD35A-17, HD35A-22	51	425		S4535B	—
2013-01	HD35A-30	51	425		S4535B	—
ALTO US - AMERICAN LINCOLN						
Scrubber						
	201B, 300B – 12-volt	27	NR	{3,15}	—	—
	400B – 24-volt	921	NR	{15}	—	—
	721BP, 726BP – 24-volt	901	NR	{173}	—	—
	726I – 24-volt	901	NR	{173}	—	—
	730, 730BP – 24-volt	903	NR	{173}	—	—
	950B, 960B – 36-volt	NA	NR	{15,133}	—	—
ALTO US - CLARKE						
(see also ALTO US - AMERICAN LINCOLN)						
Burnishers						
	202, 2025 – 36-volt	921	NR	{181}	—	—
	242 – 36-volt	901	NR	{178}	—	—
	322 – 36-volt	902	NR	{178}	—	—
Extractor						
	CFS2700 – 36-volt	901	NR	{178}	—	—
	CFS2700 – Optional, 36-volt	902	NR	{178}	—	—
Scrubber						
	17, 1700 – 24-volt	27	NR	{3,15}	—	—
	20, 2000B – 36-volt	921	NR	{181}	—	—
	2000BT, 20i – 36-volt	921	NR	{181}	—	—
	20B, 20BT – 24-volt	921	NR	{15}	—	—
	20ix – 36-volt	921	NR	{181}	—	—
	21i – 24-volt	901	NR	{173}	—	—
	21i, TB18 – 24-volt	921	NR	{15}	—	—
	2400 Series II – Optional, 36-volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
	2400 Series II – 36-volt	921	NR	{181}	—	—
	2400 Ultra – 36-volt	903	NR	{178}	—	—
	2400HD – Optional, 36-volt	903	NR	{178}	—	—
	2400HD, 26ix – 36-volt	902	NR	{178}	—	—
	26i, 32i – 36-volt	GC2	NR	{178}	—	—
	26ix – Optional, 36-volt	901	NR	{178}	—	—
		903	NR	{178}	—	—
	3200 Series II – 36-volt	901	NR	{178}	—	—
	3200 Series II – Optional, 36-volt	902	NR	{178}	—	—
	3200D, 3400 – 36-volt	921	NR	{181}	—	—
	3220 – 36-volt	903	NR	{178}	—	—
	32ix – Optional, 36-volt	903	NR	{178}	—	—
		GC2	NR	{178}	—	—
	32ix, 38 – 36-volt	902	NR	{178}	—	—
	3400 – Optional, 36-volt	903	NR	{178}	—	—
	38 – Optional, 36-volt	903	NR	{178}	—	—
		921	NR	{181}	—	—
		GC2	NR	{178}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
ALTO US - CLARKE (Continued)						
Scrubber (Continued)						
	B2400 Deluxe – Optional, 36–volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
	B2400 Deluxe – 36–volt	921	NR	{181}	—	—
	TB21 – 24–volt	921	NR	{15}	—	—
	TB24 – 36–volt	901	NR	{178}	—	—
	TB2400 – Optional, 36–volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
	TB2400 – 36–volt	921	NR	{181}	—	—
	TB2400DS – 36–volt	921	NR	{181}	—	—
	TB2400UDS – 36–volt	921	NR	{181}	—	—
	TB2400VDS – 36–volt	921	NR	{181}	—	—
	TB3200 – Optional, 36–volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
	TB3200 Deluxe – 36–volt	902	NR	{178}	—	—
	TB3200, TB60 – 36–volt	921	NR	{181}	—	—
	TB32A – 36–volt	902	NR	{178}	—	—
	TB60 – Optional, 36–volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
	TB60–DS – Optional, 36–volt	902	NR	{178}	—	—
	TB60–DS, TB80 – 36–volt	901	NR	{178}	—	—
	TB80 – Optional, 36–volt	902	NR	{178}	—	—
	Ultra Speed – 36–volt	903	NR	{178}	—	—
Sweepers						
	114RS – 36–volt	902	NR	{178}	—	—
	91WS, SPS281 – 24–volt	921	NR	{15}	—	—
	RO–42 – 48–volt	NA	NR	{133}	—	—
AMERICAN AUGERS						
Horizontal Boring Machines						
2013-12	DD–110, DD–115	8D	1450	{15}	—	—
2013-12	DD–155T	8D	1450	{15}	—	—
2013-11	DD–220T	8D	1450	{15}	—	—
2013-10	DD–1100RS	8D	1450	{15}	—	—
2013-08	36–600, 42–600	34	690		S4521B	S5521B
2013-08	48–900, 54–900	34	690		S4521B	S5521B
2013-08	60–1200	34	690		S4521B	S5521B
2013-08	72–1200	34	690	{15}	S4521B	S5521B
2013-07	DD–440	8D	1450	{173}	—	—
2013-07	DD–440T	8D	1450	{15}	—	—
2013-05	24–150, 30–150	34	690		S4521B	S5521B
2013-05	DD–625	8D	1450	{15}	—	—
2010-08	84–1800 NG	34	690	{15}	S4521B	S5521B
2010-08	96–1800 NG	34	690	{15}	S4521B	S5521B
2010-07	DD–1100, DD–210	8D	1450	{15}	—	—
2010-07	DD–880	8D	1450	{15}	—	—
AMERICAN ROAD EQUIPMENT CO.						
Agri-Loader						
1980-76	650G	3EE	265		S4535B{31}	—
1980-76	650G – Optional	8D	900		T4-8D	T4-4D
Lift Trucks						
1971-66	720, 720–P	3EE	265		S4535B{31}	—
1970-68	640	2	545		—	—
1970-66	620–TC, 620–TI, 620P	24	280		S3-24	S4-24
Power Sweep						
1976-70	570–S	29NF	300		—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL AMERICAN-LINCOLN — ARROW

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
AMERICAN-LINCOLN						
Scrubber						
	721B, 726BP – 24-volt	901	NR	{173}	—	—
	730BP – 24-volt	903	NR	{173}	—	—
	SR5730 – 36-volt	902	NR	{178}	—	—
Sweeper						
	114RS – 36-volt	902	NR	{181}	—	—
	201B, 300B – 12-volt	27	NR	{15}	—	—
	400B – 24-volt	921	NR	{15}	—	—
	6150 – 36-volt	903	NR	{178}	—	—
	Encore R – 36-volt	903	NR	{178}	—	—
AMERIQUIP						
Scissor Lift						
	EAGLE 2033 – 24-volt	GC2	NR	{173}	—	—
Trailer Mounted Lifts						
	2.45, 47 – 24-volt	31	NR	{3,147}	T5-31	T6-31DC
	EAGLE 42 – 24-volt	31	NR	{3,147}	T5-31	T6-31DC
	S-42 – 24-volt	31	NR	{3,147}	T5-31	T6-31DC
AMHOIST						
AMERICAN HOIST & DERRICK CO. Formerly AMERICAN STEEL DREDGE						
Locomotive Cranes						
	1987-76 8030DE	8D	NA		—	—
	1987-74 840-, 850-	8D	935	{147}	T4-8D	T4-4D
	1987-74 825GMD, 830DEH	8D	935	{147}	T4-8D	T4-4D
	1987-74 855DEH	8D	935	{147}	T4-8D	T4-4D
	1987-68 5030DE, 7030DH	8D	935	{15}	T4-8D	T4-4D
	1987-68 7040DE, 840DH	8D	935	{15}	T4-8D	T4-4D
	1987-68 840DJH, 855DH, 9000	8D	935	{15}	T4-8D	T4-4D
	1983-61 9000, 9000DE	7D	925	{175}	—	—
	1976-52 825-CD, 830-CD	7D	925	{175}	—	—
	1976-52 830-DE, 840-DE	7D	925	{175}	—	—
	1976-52 850-DE, 880DE	7D	925	{175}	—	—
	1963-56 830	8D	950		T4-8D	T4-4D
	1962-56 825-CD – Cat. Eng	2	600		—	—
	1962-56 825-CD, 830-CD – GM Eng	8D	950		T4-8D	T4-4D
	1962-56 830-CD – Cat. Eng	2	600		—	—
	1962-56 830-DE – Cat. Eng	2	600		—	—
	1962-56 830-DE, 840-DE – GM Eng	8D	950		T4-8D	T4-4D
	1962-56 840-DE – Cat. Eng	2	600		—	—
	1962-56 850-DE – Cat. Eng	2	600		—	—
	1962-56 850-DE, 880DE – GM Eng	8D	950		T4-8D	T4-4D
	1962-56 880DE – Cat. Eng	2	600		—	—
	1960-58 840DE, 850DE, 880DE	9D	1000	{175}	—	—
Power Shovels & Cranes						
	1987-71 1000, 1100	8D	935	{173}	T4-8D	T4-4D
	1987-71 12210 Series	8D	935	{173}	T4-8D	T4-4D
	1987-71 7000 Truck	8D	935	{173}	T4-8D	T4-4D
	1987-67 100 Series – 24-volt	8D	935	{173}	T4-8D	T4-4D
	1987-67 200 Series – 24-volt	8D	935	{173}	T4-8D	T4-4D
	1987-67 300 Series – 24-volt	8D	935	{173}	T4-8D	T4-4D
	1987-67 400 Series – 24-volt	8D	935	{173}	T4-8D	T4-4D
	1987-67 500 Series – 24-volt	8D	935	{173}	T4-8D	T4-4D
	1987-67 700 Series – 24-volt	8D	935	{173}	T4-8D	T4-4D
	1987-53 300 Series – Optional	2	545	{175}	—	—
		8D	935	{147}	T4-8D	T4-4D
	1987-53 400 Series – Optional	2	545	{175}	—	—
		8D	935	{147}	T4-8D	T4-4D
	1987-53 500 Series – Optional	2	545	{175}	—	—
		8D	935	{147}	T4-8D	T4-4D
	1987-53 700 Series – Optional	2	545	{175}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
AMHOIST (Continued)						
Power Shovels & Cranes (Continued)						
	700 Series – Optional	8D	935	{147}	T4-8D	T4-4D
1987-53	800 Series – Optional	2	545	{175}	—	—
		8D	935	{147}	T4-8D	T4-4D
1987-53	900 Series – Optional	2	545	{175}	—	—
		8D	935	{147}	T4-8D	T4-4D
1967-58	100 Series – Exc Cont & Wauk. Eng	2	550	{147}	—	—
1967-58	100 Series – w/Cont. B-427, M-330 Waukesha Eng	2	550	{147}	—	—
1967-58	200 Series – Exc Cont & Wauk. Eng	2	550	{147}	—	—
1967-58	200 Series – w/Cont. B-427, M-330 Waukesha Eng	2	550	{147}	—	—
1967-58	300 Series – Exc Cont & Wauk. Eng	2	550	{147}	—	—
1967-58	300 Series – w/Cont. B-427, M-330 Waukesha Eng	2	550	{147}	—	—
1967-58	400 Series – Exc Cont & Wauk. Eng	2	550	{147}	—	—
1967-58	400 Series – w/Cont. B-427, M-330 Waukesha Eng	2	550	{147}	—	—
1967-58	500 Series – Exc Cont & Wauk. Eng	2	550	{147}	—	—
1967-58	500 Series – w/Cont. B-427, M-330 Waukesha Eng	2	550	{147}	—	—
1967-58	700 Series – Exc Cont & Wauk. Eng	2	550	{147}	—	—
1967-58	700 Series – w/Cont. B-427, M-330 Waukesha Eng	2	550	{147}	—	—
1967-55	100 Series – Optional	2	545	{15}	—	—
		4D	760	{147}	T4-4D	—
1967-55	200 Series – Optional	2	545	{15}	—	—
		4D	760	{147}	T4-4D	—
1967-55	300 Series – Optional	2	545	{15}	—	—
		4D	760	{147}	T4-4D	—
1967-55	400 Series – Optional	2	545	{15}	—	—
		4D	760	{147}	T4-4D	—
1967-55	500 Series – Optional	2	545	{15}	—	—
		4D	760	{147}	T4-4D	—
1967-55	700 Series – Optional	2	545	{15}	—	—
		4D	760	{147}	T4-4D	—
AMPAC MACHINERY CO.						
Rollers (Static and Vibratory)						
2013-06	P33/24	35	620		—	—
ARIENS						
Snow Blowers						
2008	Compact, Deluxe	NA	NA		—	—
2008	Power Brush Series	NA	NA		—	—
2008	Pro-Track	NA	NA		—	—
2008	Professional	NA	NA		—	—
2008	Single-Stage	NA	NA		—	—
ARMLIFT						
SEE TG INDUSTRIES						
ARROW						
Industrial						
1979-76	All	24	NA		—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

INDUSTRIAL ASPHALT ZIPPER — BARBCO

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. CCA BCI @ NO. 0°F		Notes	Replacement Options	
					Option 1	Option 2
ASPHALT ZIPPER						
Pavement Planers/Profilers						
2013-99	AZ 480	78	750		S5563B	S5564B
2013-98	AZ 360	78	750		S5563B	S5564B
2013-00	AZ 240	78	750		S5563B	S5564B
ASV						
Compact Track Loader						
2007-00	RC30	70	NA		—	—
ATHEY PRODUCTS CORP.						
3-Wheel Sweepers						
1991-82	H-10-1, H-10-2	31T	625		T4-31	T4-31+
1991-82	HLD-1, HLD-2	31T	625		T4-31	T4-31+
Blades						
1991-88	AB6906	31T	915		T4-31+	T6-31
1991-75	AB-6903H, AB-6904H	4D	760		T4-4D	—
1991-75	AB-6905	4D	760		T4-4D	—
Force Feed Loaders						
1991-77	12-Jul	30H	490		T4-31P	T4-31P+
1991-71	7-11D, 7-12D	4D	760		T4-4D	—
1977-62	11-Jul, 125, 7-11G	24	440		S3-24	S4-24
Mobil Chassis						
1991-87	C-1	4D	760		T4-4D	—
Mobil Sweepers						
1999-94	H-10B-1, H-10B-2	31T	925		T4-31+	T6-31
1999-93	2TE-4DBC, 2TE-4DHLC	4D	900		T4-4D	—
1999-93	2TE-5DBC	4D	900		T4-4D	—
1999-91	1TE-4DHL, 1TE-4DHLL	4D	900		T4-4D	—
1999-91	1TE-5DBC, 2TE-4DHL	4D	900		T4-4D	—
1999-85	ABD-1, ABD-2, ABDA-1	4D	900		T4-4D	—
1999-85	ABDA-2, ABDB-1	4D	900		T4-4D	—
1999-85	ABDB-1C, ABDB-1P	4D	900		T4-4D	—
1999-85	ABDB-2, ABDB-2C	4D	900		T4-4D	—
1999-85	ABDB-2P, ABDC-1	4D	900		T4-4D	—
1999-85	ABDC-2, AHL-1, AHL-2	4D	900		T4-4D	—
1999-85	AHLA-1, AHLA-2	4D	900		T4-4D	—
1999-85	AHLB-1, AHLB-1C	4D	900		T4-4D	—
1999-85	AHLB-1P, AHLB-2	4D	900		T4-4D	—
1999-85	AHLB-2C, AHLB-2P	4D	900		T4-4D	—
1999-85	AHLC-1, AHLC-2	4D	900		T4-4D	—
1993-91	1TE-4DB, 1TE-4DBC	4D	900		T4-4D	—
1993-91	1TE-5DB, 2TE-4DB	4D	900		T4-4D	—
1993-91	2TE-5DB	4D	900		T4-4D	—
1992-91	1TE-4GB, 2TE-4GB	30H	500		T4-31P	T4-31P+
1991-76	1TE-3, 1TE-4 – Ford Eng	30H	490		T4-31P	T4-31P+
1991-76	1TE-3, 1TE-4 – GM Eng	4D	760		T4-4D	—
1991-76	2TE-3, 2TE-4 – Ford Eng	30H	490		T4-31P	T4-31P+
1991-76	2TE-4 – GM Eng	4D	760		T4-4D	—
Skidders						
1981-73	PH97	24	440	{15}	S3-24	S4-24
1979-72	PS130D, S130D, S97D	4D	760		T4-4D	—
ATLAS COPCO						
Self Propelled Drills						
2013-12	Pit Viper 311	8D	1400		T4-8D	—
2013-10	DML Series, DML-SP	8D	1400		T4-8D	—
2013-10	Pit Viper 235	8D	1400		T4-8D	—
2013-10	Pit Viper 271	8D	1400		T4-8D	—
2013-10	Pit Viper 275	8D	1400		T4-8D	—
2013-10	Pit Viper 351	8D	1400		T4-8D	—
2013-01	DM/M3, DM25-SP, DM30	8D	1400		T4-8D	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
ATLAS COPCO (Continued)						
Truck Mounted/Towable Drills						
2013-10	RD10+, T3W, T3WDH	8D	1400		T4-8D	—
2013-10	T4BH	8D	1400		T4-8D	—
2013-05	DM45, DM50	8D	1400		T4-8D	—
BADGER EQUIPMENT CO.						
Excavators						
2013-11	470TM Telescopic Boom	31T	700		T4-31	T4-31+
2011-05	1085R	31T	700	{15}	T4-31	T4-31+
2011-01	1085D	31T	700	{15}	T4-31	T4-31+
2000-96	1085C Cruz Air	31T	700	{15}	T4-31	T4-31+
2000-96	1085D Cruz Air	31T	700	{15}	T4-31	T4-31+
2000-95	450 Grademater	8D	975		T4-8D	T4-4D
2000-86	660 – Hydro–Scopic Upper	8D	975		T4-8D	T4-4D
2000-86	670 – Hydro–Scopic Upper	8D	975		T4-8D	T4-4D
2000-82	460 – Hydro–Scopic Upper	30H	600	{15}	T4-31P	T4-31P+
2000-82	460, 666, 670 – Carrier	8D	975		T4-8D	T4-4D
BAKER						
Forklift						
1961-58	All	1	525	{193}	—	—
1961-58	All Optional	2	550	{193}	—	—
		2E	600	{193}	—	—
		2N	450	{193}	—	—
Platform & Shovel loader Trucks						
1961-58	PGF-020-001	2N	450		—	—
Traveloader Trucks						
1961-58	120-002, TKF-100-002	6TL	NA		—	—
1961-58	All Exc TKF-100-002	6D	880	{147}	T4-4D	—
1961-58	All Exc TKF-120-002	6D	880	{147}	T4-4D	—
BALLYMORE						
Scissor Lift						
	DMSL-10 – 24-volt	GC2	NR	{147}	—	—
	DMSL-12 – 24-volt	GC2	NR	{147}	—	—
	DMSL-19 – 24-volt	GC2	NR	{173}	—	—
	HW1-10, HW1-7 – 12-volt	GC2	NR	{147}	—	—
	HW2-13 – 12-volt	GC2	NR	{147}	—	—
	HW2-16 – 12-volt	GC2	NR	{147}	—	—
	HW3-19 – 12-volt	GC2	NR	{147}	—	—
	HW3-22 – 12-volt	GC2	NR	{147}	—	—
	HW4-24 – 12-volt	GC2	NR	{147}	—	—
	HW4-27, OP-10 – 12-volt	GC2	NR	{147}	—	—
	MSL-26 – 24-volt	GC2	NR	{173}	—	—
	OP-11, PS-10 – 12-volt	GC2	NR	{147}	—	—
	PS-11, PS-12 – 12-volt	GC2	NR	{147}	—	—
	PS-15 – 12-volt	GC2	NR	{147}	—	—
BARBCO						
Horizontal Boring Machines						
2013-12	BD80	31T	950		T4-31+	T6-31
2013-11	68-72-1.8MXHD	31T	950		T4-31+	T6-31
2013-06	70/84-2.6MXHD	31T	950		T4-31+	T6-31
2013-05	24-100, 24/30-150	31T	950		T4-31+	T6-31
2013-05	30/48-350, 36/48-500	31T	950		T4-31+	T6-31
2013-05	36/48-630	31T	950		T4-31+	T6-31
2013-05	48/60-1.35MXHD	31T	950		T4-31+	T6-31
2013-05	48/60-750, 48/60-950	31T	950		T4-31+	T6-31
2013-05	60/72-1MHD	31T	950		T4-31+	T6-31
2013-05	BD120-20SC, BD250-TK	31T	950		T4-31+	T6-31
2013-05	BD500-TK	31T	950		T4-31+	T6-31

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL BARBER-GREENE CO. — BIL-JAX INC (HAULOTTE)

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
BARBER-GREENE CO.						
In the absence of a cranking performance specification supplied by the original equipment vehicle manufacturer, the rating shown is based upon battery industry consensus.						
Asphalt Pavers						
2012-10	AP555E, BG500E	31T	950	{15}	T4-31+	T6-31
2012-10	BG555E	31T	950	{15}	T4-31+	T6-31
2012-08	BG600D, BG655D	31T	950	{15}	T4-31+	T6-31
2011-06	BG260D	31T	950	{15}	T4-31+	T6-31
2011-05	BG2455D	31T	950	{15}	T4-31+	T6-31
1975-74	SA-41	4D	730		T4-4D	—
1975-73	SA-150, SA-190	8D	900		T4-8D	T4-4D
1975-73	SB-140, SB-170	8D	900		T4-8D	T4-4D
1973-72	SB-110	27	410		S4-27	S5515B
Trenchers						
1975-73	TA-30, TA-35, TA-55	4D	730	{147}	T4-4D	—
1975-73	TA-60, TA-65, TA-77	4D	730	{147}	T4-4D	—
1975-73	TC-30, TF-30, WL-50	4D	730	{147}	T4-4D	—
1974-73	TA-30, TA-35 – Optional	8D	900	{147}	T4-8D	T4-4D
1974-73	TA-55 – Optional	8D	900	{147}	T4-8D	T4-4D
1974-73	TA-60, TA-65 – Optional	8D	900	{15}	T4-8D	T4-4D
1974-73	TA-77, TC-30 – Optional	8D	900	{15}	T4-8D	T4-4D
1974-73	TF-30, WL-50 – Optional	8D	900	{15}	T4-8D	T4-4D
BARKO						
Forestry Equipment Self Propelled						
2013-07	640 Industrial Crawler	8D	1400		T4-8D	—
Forestry Equipment Stationary						
2013-07	920 Industrial Tractor (Mulcher)	8D	1400		T4-8D	—
2013-07	937 Industrial Tractor (Mulcher)	8D	1400		T4-8D	—
2013-06	930 Industrial Tractor (Mulcher)	8D	1400		T4-8D	—
Log Loaders Self Propelled						
2013-94	550 Crawler	8D	1400		T4-8D	—
2013-08	695MH Crawler	8D	1400		T4-8D	—
2013-07	495ML Magnum Art. Carrier	8D	1400		T4-8D	—
2013-07	495ML Magnum Crawler	8D	1400		T4-8D	—
2013-07	595ML Magnum Art. Carrier	8D	1400		T4-8D	—
2013-07	595ML Magnum Crawler	8D	1400		T4-8D	—
2013-07	695MH Rugged SP Carrier	8D	1400		T4-8D	—
2013-07	795MH Heavy Duty Crawler	8D	1400		T4-8D	—
2013-04	295ML Magnum Art. Carrier	8D	1400		T4-8D	—
Log Loaders Trailer Mounted						
2013-07	295ML Magnum	8D	1400		T4-8D	—
2013-07	495ML Magnum	8D	1400		T4-8D	—
2013-07	595ML Magnum	8D	1400		T4-8D	—
BARRETO						
Portable/Walk-Behind Trenchers						
2014-12	1824TKK	U1	300		—	—
2014-11	2024TKH	U1	300		—	—
2013-12	2324TKK	U1	300		—	—
2013-10	2324TKH	U1	300		—	—
2011-09	2324TK	U1	300		—	—
2011-08	1824TK	U1	300		—	—
2010-09	2024TK	U1	300		—	—
2009-05	1824D4	U1	300		—	—
BARRETTE-CRAVENS						
Floor Machines						
	PXG – 6-volt	903	NR		—	—
	STL-30-TL – 24-volt	921	NR	{15}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
BAY CITY-MANITOWOC CORP.						
See also MANITOWOC						
The size battery used was based upon the type of engine. Measure carefully, watch voltage.						
Shovels & Excavators						
1969-58	All	3T	825		—	—
1969-58	All – Optional	6D	850		T4-4D	—
		7D	900		—	—
		8D	975		T4-8D	T4-4D
BEARCAT						
Placers/Spreaders						
2013-97	2002/CRC	34	1000		—	—
BERGKAMP						
Asphalt Pavers						
2013-99	M1 Continuous Paver	31T	950		T4-31+	T6-31
2013-99	M1E Continuous Paver	31T	950		T4-31+	T6-31
2013-08	M310	31T	950		T4-31+	T6-31
2013-06	M206, M208, M210	31T	950		T4-31+	T6-31
2013-06	M212, M216	31T	950		T4-31+	T6-31
Construction Equipment Self Propelled						
2013-01	WP Series Water Proofing	31T	950		T4-31+	T6-31
BEUTHLING MANUFACTURING CO.						
Compactors						
2014-12	B305	24	575		S4-24	S5507B
2014-10	B100, B200	24	575		S4-24	S5507B
2012-11	B305	24	575		S4-24	S5507B
2012-02	B155, B325, B335	24	575		S4-24	S5507B
2012-02	B350	24	575		S4-24	S5507B
2012-01	B400	24	575		S4-24	S5507B
2011-10	B305	24	575		S4-24	S5507B
2010-02	B100, B105, B205	24	575		S4-24	S5507B
2010-02	B300, B305, B60, B65	24	575		S4-24	S5507B
2010-01	B200	24	575		S4-24	S5507B
2002	B300T	34	685		S4521B	S5521B
2000-97	B100 – Kohler Eng	24	575		S4-24	S5507B
2000-97	B100 – Kubota Eng	34	685		S4521B	S5521B
2000-97	B150	24	575		S4-24	S5507B
2000-83	B200, B200T, B300	34	685		S4521B	S5521B
1998-90	B60	U1	290		—	—
1998-87	B400	34	625		S4521B	S5521B
1998-83	B350	34	685		S4521B	S5521B
1988-85	B50	U1	225		—	—
1988-82	B100, B300T	24	425		S3-24	S4-24
Rollers (Static and Vibrating)						
2013	B350	24	575		S4-24	S5507B
2009-05	B60	24	575		S4-24	S5507B
2009-04	B65	24	575		S4-24	S5507B
BIL-JAX INC (HAULOTTE)						
Lightweight Self Propelled						
	45 XA, 55 XA – 24-volt	GC2H	NR	{173}	—	—
Picker Series						
	6XT (OLD) – 24-volt	GC2H	NR	{173}	—	—
	XLT-1571-(DC) (OLD) 12-volt	27	NR	{3}	—	—
Telescopic Lifts						
	XLT 2900-(DC) (OLD) 12-volt	GC2H	NR	{147}	—	—
	XLT-1001-(DC) (OLD) 12-volt	27	NR	{3}	—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

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BIL-JAX INC (HAULOTTE) — BOBCAT

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
BIL-JAX INC (HAULOTTE) (Continued)						
Telescopic Lifts (Continued)						
	XLT-1071-(DC) (OLD) 12-volt	27	NR	{3}	—	—
	XLT-1601E-(DC) (OLD) 12-volt	27	NR	{3}	—	—
	XLT-1651(DC) (OLD) 12-volt	27	NR	{3}	—	—
	XLT-1951-(DC) (OLD) 12-volt	27	NR	{3}	—	—
	XLT-2400 (DC) (OLD) 12-volt	27	NR	{3}	—	—
	XLT-2451(DC) (OLD) 12-volt	27	NR	{3}	—	—
	XLT-CAT-15(DC) (OLD) 12-volt	27	NR	{3}	—	—
	XLT-CAT-19(DC) (OLD) 12-volt	27	NR	{3}	—	—
	XLT-CAT-23(DC) (OLD) 12-volt	27	NR	{3}	—	—
Trailer Mounted Boom						
	3522A / HTA 13 P – 24-volt	GC2	NR	{173}	—	—
	3632T / HTT 13 – 24-volt	GC2	NR	{173}	—	—
	4527A / HTA 16 – 24-volt	GC2	NR	{173}	—	—
	5533A / 188 / 102A 24-volt	GC2	NR	{173}	—	—
BLASTCRETE						
Cement/Mortar Mixers						
	2013-96 MX-10	36R	650		S4524B	—
	2013-11 RMX-5000	36R	650		S4524B	—
	2013-08 D6528	36R	650		S4524B	—
BLAW-KNOX CONSTRUCTION EQUIPMENT CO.						
Base Pavers						
	1969-58 Cont. F-266-1325	1	600		—	—
	1969-58 P-150, P-160	24	280		S3-24	S4-24
	1960-48 P-120, P-150	1	600		—	—
Bituminous Paver Finisher						
	1992-87 PF-150, PF-171	24	370	{147}	S3-24	S4-24
	1992-87 PF-172 – J. Deere Eng, DD Eng	8D	935		T4-8D	T4-4D
	1992-87 PF-180 – J. Deere Eng, DD Eng	8D	935		T4-8D	T4-4D
	1992-87 PF-180H – J. Deere Eng, DD Eng	8D	935		T4-8D	T4-4D
	1992-87 PF-200 – J. Deere Eng, DD Eng	8D	935		T4-8D	T4-4D
	1992-81 PF-400A	30H	380		T4-31P	T4-31P+
	1992-68 PF-220, PF-500	8D	935		T4-8D	T4-4D
	1991-76 PF-110T, PF-110W	24	370	{147}	S3-24	S4-24
	1991-76 PF-115	24	370	{147}	S3-24	S4-24
	1988-76 PF-120H	8D	935		T4-8D	T4-4D
	1988-65 PF-22, PF-25, PF-35	24	280	{147}	S3-24	S4-24
	1988-65 PF-65	24	280	{147}	S3-24	S4-24
	1982-68 DD 4-53	8D	935		T4-8D	T4-4D
	1977-68 PF-120 – Ford 300 Eng	24	280	{147}	S3-24	S4-24
	1963-59 Express – GM 4-51 Eng	8D	1050		T4-8D	—
	1963-59 PF-45, Suburban	24	210	{147}	S3-24	S4-24
	1963-55 PF-90, PF-90A	8D	935		T4-8D	T4-4D
	1963-55 PF-90B	8D	935		T4-8D	T4-4D
Hercules						
	1992-87 G-3000	24	280	{147}	S3-24	S4-24
	1963-59 JXC	1	600		—	—

YEAR	DESCRIPTION	O.E. CCA BCI @ NO. 0°F		Notes	Replacement Options	
					Option 1	Option 2
BLAW-KNOX CONSTRUCTION EQUIPMENT CO. (Continued)						
Concrete Pavers						
1968-47	34-ED, 34-ES	8D	935		T4-8D	T4-4D
1968-47	Slipform	8D	935		T4-8D	T4-4D
1966-62	SW-150, SW-300, XE	24	280		S3-24	S4-24
1966-62	XEM	24	280		S3-24	S4-24
Hercules						
1962-58	HXC, RXLD	4B	615		T4-4D	T4-8D
Concrete Paving Spreaders & Trench Rollers						
1962-53	DTR-552, SD	24	210		S3-24	S4-24
Precision Subgraders						
1962-58	GC	24	210		S3-24	S4-24
Road Wideners & Trukmixers						
1992-60	Bukaneer, DD	8D	935		T4-8D	T4-4D
1992-60	Hydro-Mixer, JD	8D	935		T4-8D	T4-4D
1992-60	RW-100	8D	935		T4-8D	T4-4D
1992-48	25RW, 85, 95, Ford	24	280		S3-24	S4-24
1992-48	M-55, M-65, M45	24	280		S3-24	S4-24
1992-48	RW-195, RW-38	24	280		S3-24	S4-24
BLOCKBUSTER						
Forestry Equipment Stationary						
2013-98	18-20, 22-20, 22-22	34	700		S4521B	S5521B
2013-07	14-12	31T	650		T4-31	T4-31+
2013-02	15-20	31T	650		T4-31	T4-31+
BOBCAT						
Compact Excavators						
2012-07	444	24	950		—	—
2009-07	323	26	530		S3513B	S3560B(32)
2008-02	316	22	325		—	—
2007-02	442	24	950		—	—
Compact Track Loader						
2015-11	T630 M Series	24	600		S4-24	S5507B
2015-11	T630 M Series – Optional	31T	950		T4-31+	T6-31
2015-11	T650 M Series	24	600		S4-24	S5507B
2015-11	T650 M Series – Optional	31T	950		T4-31+	T6-31
2013-02	T180, T190	24	600		S4-24	S5507B
2012-09	T110	24	600		S4-24	S5507B
2010-09	T650	24	600		S4-24	S5507B
2010-09	T650 – Optional	31T	950		T4-31+	T6-31
2010-07	T320	31T	950		T4-31+	T6-31
2010-03	T250, T300	31T	950		T4-31+	T6-31
2010	T650	24	600		S4-24	S5507B
2010	T650 – Optional	31T	950		T4-31+	T6-31
Compact Tracked Loaders						
2015-11	T750 M Series	31T	950		T4-31+	T6-31
2015-11	T770 M Series	31T	950		T4-31+	T6-31
2015-11	T870 M Series	31T	950		T4-31+	T6-31
2013-04	MT55	26	530		S3513B	S3560B(32)
2013-03	MT52	26	530		S3513B	S3560B(32)
2011-10	T870	31T	950		T4-31+	T6-31
Mini Excavators						
2017-11	E55 – Optional	24	650		S4-24	S5507B
		26	540		S3513B	S3560B(32)
2013-10	E42, E45	24	600		S4-24	S5507B
2013-10	E42, E45 – Optional	26	530		S3513B	S3560B(32)
2013-10	E50	26	530		S3513B	S3560B(32)
2013-09	E32, E35	24	600		S4-24	S5507B
2013-09	E32, E35 – Optional	26	530		S3513B	S3560B(32)
2013	444	24	950		—	—

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INDUSTRIAL BOBCAT — BOMAG, U.S.A.

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
BOBCAT (Continued)						
Skid Steer						
2014-11	S630 M Series	24	600		S4-24	S5507B
2014-11	S630 M Series – Optional	31T	950		T4-31+	T6-31
2014-11	S650 M Series	24	600		S4-24	S5507B
2014-11	S650 M Series – Optional	31T	950		T4-31+	T6-31
2014-11	S750 M Series	31T	950		T4-31+	T6-31
2014-11	S850 M Series	31T	950		T4-31+	T6-31
2013-11	A770	31T	950		T4-31+	T6-31
2013-11	A770 AWS – All Wheel Steer	31T	950		T4-31+	T6-31
2013-02	S130, S150, S160	24	600		S4-24	S5507B
2013-02	S175	24	600		S4-24	S5507B
2013-02	S185, S205, S250	31T	950		T4-31+	T6-31
2013-02	S300	31T	950		T4-31+	T6-31
2012-08	S70	24	600		S4-24	S5507B
2012-07	S100	24	600		S4-24	S5507B
2012-05	S175, S205 – Optional	26	530		S3513B	S3560B(32)
2012-05	S205	24	600		S4-24	S5507B
2012-03	S150, S160 – Optional	26	530		S3513B	S3560B(32)
2012-02	S53, S185	24	600		S4-24	S5507B
2012-02	A300, S220	31T	950		T4-31+	T6-31
2012-02	S185 – Optional	26	530		S3513B	S3560B(32)
2012-02	Toolcat 5600	24	600		S4-24	S5507B
2011-10	S850	31T	950		T4-31+	T6-31
2011-09	S630	24	600		S4-24	S5507B
2011-09	S630 – Optional	31T	950		T4-31+	T6-31
2011-07	S330	31T	950		T4-31+	T6-31
2011-05	A300 AWS – All Wheel Steer	31T	950		T4-31+	T6-31
2011-02	325	26	530		S3513B	S3560B(32)
2010-06	335	26	530		S3513B	S3560B(32)
2010-03	430, 435	24	950		—	—
2010-02	331, 337	26	530		S3513B	S3560B(32)
2009-06	425	26	530		S3513B	S3560B(32)
2008-06	323, 329	26	530		S3513B	S3560B(32)
2008-06	V638CB/CN	31T	950		T4-31+	T6-31
2008-03	V723, V723F, V723L	31T	950		T4-31+	T6-31
2008-03	Versa Handler TTC – V518	31T	950		T4-31+	T6-31
2007-06	430H, 435H	24	950		—	—
2007-06	V518	31T	950		T4-31+	T6-31
2007-03	V518C	31T	950		T4-31+	T6-31
2007-02	322, 328, 331E, 334	26	530		S3513B	S3560B(32)
2007-02	341	26	530		S3513B	S3560B(32)
2007-02	Toolcat 5600 – Optional	31A	950		T4-31P+	T6-31P
2007-01	463	24	600		S4-24	S5507B
		24	950		—	—
2004-03	2100S, 2200	26	550		S3513B	S3560B(32)
2004-03	442S	24	950		—	—
2003	430 ZHS, 435/435 ZHS	24	950		—	—
2002	500K	24	600		—	—
2002	5600 Work Machine	24	600		S4-24	S5507B
2002	773, 883	24	600		S4-24	S5507B
Skid Steer Loaders						
2015	S750 M Series	31T	950		T4-31+	T6-31
2015	S850 M Series	31T	950		T4-31+	T6-31
Telescopic Handler						
2017-07	T2250	26	540		S3513B	S3560B(32)
2012-98	T2556	31A	1000		T4-31P+	—
2012-04	T2566	31A	1000		T4-31P+	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
BOBCAT (Continued)						
Utility Vehicles						
2004-03	2100	26	550		S3513B	S3560B(32)
BOMAG, U.S.A.						
Formerly KOEHRING BOMAG U.S.A.						
Compactors						
1999-87	BC601, BC670RB	8D	900	{15}	T4-8D	T4-4D
1990-80	K350/P, K351, K451	8D	1250	{15}	T4-8D	—
Pneumatic Compactors						
1999-94	BW11R	31T	950		T4-31+	T6-31
1999-94	BW9R	31T	625		T4-31	T4-31+
Rollers						
2013-98	BW11AS	31T	950		T4-31+	T6-31
2013-94	BW11RH, BW5AS	31T	950		T4-31+	T6-31
2013-08	BW284AD	4D	750		T4-4D	—
2013-07	BW266AD-4	4D	750		T4-4D	—
2013-06	BW9AS, BW9ASW	31T	950		T4-31+	T6-31
1999-97	BW9AS/11AS	31T	950		T4-31+	T6-31
1996-94	BW11AS	31T	950		T4-31+	T6-31
1990-86	BW12R	31T	720		T4-31	T4-31+
1990-82	BW140AD, BW142	31T	625		T4-31	T4-31+
1990-82	BW170, BW9R, D, PD	31T	625		T4-31	T4-31+
1989-85	BW10AS/12AS	31T	600		T4-31	T4-31+
1989-85	BW4AS/6AS	31T	600		T4-31	T4-31+
1984-82	BW210-6, BW210AV	4D	775		T4-4D	—
1984-82	BW220AD, D, PD	4D	775		T4-4D	—
1984-82	S812	2	630	{15}	—	—
1983-82	BW121AD, BW90A	27	500		S4-27	S5515B
Soil Stabilizers & Recyclers						
1999-77	MPH100	4D	775	{15}	T4-4D	—
1993	MPH120	4DLT	715	{15}	T4-4DLT	T4-4D(30)
1984-82	MPH50	31T	625	{15}	T4-31	T4-31+
Vibratory Compactors						
2013-07	BW124DH, BW124PDH-40	49	600		S5533B	S6588B
1999-95	BW137AD, BW138AD	31T	900		T4-31+	T6-31
1999-94	BW144AD-2	31T	600		T4-31	T4-31+
1999-94	BW144AD-2 – Optional	4D	750		T4-4D	—
1999-93	BW105, BW65, BW85	48	440		S4-48	S3-48
1999-93	BW16R, BW20R	4D	750		T4-4D	—
1999-88	BW100ADM, BW122D	47	420		S5531B	S6-47
1999-88	BW151AD-2, BW161	31T	600		T4-31	T4-31+
1999-88	BW164	31T	600		T4-31	T4-31+
1999-86	BW142A, BW142AD	31T	600		T4-31	T4-31+
1999-86	BW142PD, BW142PDB	31T	600		T4-31	T4-31+
1999-85	BW100AC, BW100AD	49	600		S5533B	S6588B
1999-85	BW118AD, BW120AC	49	600		S5533B	S6588B
1999-85	BW120AD, BW122PD	49	600		S5533B	S6588B
1999-85	BW124D, BW124PD	49	600		S5533B	S6588B
1999-85	BW124PDB, BW125AC	49	600		S5533B	S6588B
1999-85	BW125ADH, BW130AC	49	600		S5533B	S6588B
1999-85	BW130AD, BW135AC	49	600		S5533B	S6588B
1999-85	BW135AD	49	600		S5533B	S6588B
1999-85	BW141AD, BW141AD-1	4D	600		T4-4D	—
1999-85	BW141AD-2	4D	600		T4-4D	—
1999-84	BW151AD, BW154AD	4D	750		T4-4D	—
1999-84	BW160AD1, BW160AD2	4D	750		T4-4D	—
1999-84	BW160AS	4D	750		T4-4D	—
1999-82	BW140AD	4D	775		T4-4D	—
1999-82	BW170, BW170D	31T	625		T4-31	T4-31+
1999-82	BW170PD, BW172	31T	625		T4-31	T4-31+
1999-82	BW202	31T	625		T4-31	T4-31+

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

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BOMAG, U.S.A. — BRODERSON MFG. CO., INC. (BMC)

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
BOMAG, U.S.A. (Continued)						
Vibratory Compactors (Continued)						
1999-77	BW210, BW212, BW213	4D	750		T4-4D	—
1999-77	BW214, BW217, BW219	4D	750		T4-4D	—
1999-77	BW220AD	4D	750		T4-4D	—
1997-86	BW90AD	47	420		S5531B	S6-47
1994-85	BW12R	31T	725		T4-31	T4-31+
1993-89	1050, 850, BW650	48	440		S4-48	S3-48
1993-86	BW16R, BW20R	31T	725		T4-31	T4-31+
1992-86	BW90ADL	48	440		S4-48	S3-48
1992-82	BW141AD	4D	775		T4-4D	—
1991-86	BW217 – Optional	4DLT	715		T4-4DLT	T4-4D(30)
1983-82	BW121AD	27	500		S4-27	S5515B
40 Series						
2014-08	BW145	4D	750		T4-4D	—
2014-07	BW177D, BW177DH	4D	750		T4-4D	—
2014-07	BW177PDH, BW213DH	4D	750		T4-4D	—
2014-07	BW213PDH	4D	750		T4-4D	—
2013-07	BW211	4D	750		T4-4D	—
BOR-IT						
Horizontal Boring Machines						
2013-06	Model 20, Model 24	4	975		—	—
2013-06	Model 30, Model 48	4	975		—	—
2013-06	Model 54, Model 60	4	975		—	—
2013-05	Model 36, Model 42	4	975		—	—
BOXER						
Compact Tracked Loaders						
2014-07	322D	35	300		S4523B	S5523B
2013-07	532DX	51	500		—	—
2013-06	320	35	300		S4523B	S5523B
2011-06	427, 427W, 530X	51	500		—	—
BREAKER						
Underground Mining Equipment Self Propelled						
2013-07	LP-12 Base Carrier	31T	950		T4-31+	T6-31
2013-07	LP-15 Base Carrier	31T	950		T4-31+	T6-31
BRODERSON MFG. CO., INC. (BMC)						
Industrial Cranes						
2000-99	IC-200-3D	27	700		S4-27	S5515B
2000-97	IC-200-1C – Gas	27	700		S4-27	S5515B
2000-97	IC-200-1C – Diesel	31T	950		T4-31+	T6-31
2000-97	IC-200-2C – Gas	27	700		S4-27	S5515B
2000-97	IC-200-2C – Diesel	31T	950		T4-31+	T6-31
1999-98	IC-80-1F – Gas	27	700		S4-27	S5515B
1999-98	IC-80-1F – Diesel	31T	950		T4-31+	T6-31
1999-98	IC-80-2F – Gas	27	700		S4-27	S5515B
1999-98	IC-80-2F – Diesel	31T	950		T4-31+	T6-31
1999-98	IC-80-3F – Gas	27	700		S4-27	S5515B
1999-98	IC-80-3F – Diesel	31T	950		T4-31+	T6-31
1999-95	IC-80-1E – Gas	24	550		S3-24	S4-24
1999-95	IC-80-1E – Diesel	31T	950		T4-31+	T6-31
1999-95	IC-80-2E – Gas	24	550		S3-24	S4-24
1999-95	IC-80-2E – Diesel	31T	950		T4-31+	T6-31
1999-95	IC-80-3E – Gas	24	550		S3-24	S4-24
1999-95	IC-80-3E – Diesel	31T	950		T4-31+	T6-31
1999-93	IC-35A, IC-35B	24	825		—	—
1999-90	IC-20-D – Gas	24	825		—	—
1998-88	IC-200-1B – Gas	24	550		S3-24	S4-24
1998-88	IC-200-1B – Diesel	31T	950		T4-31+	T6-31
1998-88	IC-200-2B – Gas	24	550		S3-24	S4-24

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
BRODERSON MFG. CO., INC. (BMC) (Continued)						
Industrial Cranes (Continued)						
1998-88	IC-200-2B – Diesel	31T	950		T4-31+	T6-31
1997-90	IC-20-D – Diesel	31T	950		T4-31+	T6-31
1995-89	IC-80-1D – Diesel	31T	950		T4-31+	T6-31
1995-89	IC-80-2D – Diesel	31T	950		T4-31+	T6-31
1995-82	IC-80-1D – Gas	24	550		S3-24	S4-24
1995-82	IC-80-2D – Gas	24	550		S3-24	S4-24
1992-85	IC-200 – Gas	24	525		S3-24	S4-24
1991-89	IC-200-1A – Diesel	31T	950		T4-31+	T6-31
1991-89	IC-200-2A – Diesel	31T	950		T4-31+	T6-31
1991-85	IC-200-1A – Gas	24	550		S3-24	S4-24
1991-85	IC-200-2A – Gas	24	550		S3-24	S4-24
1989-87	IC-20-1A – Diesel	31T	625		T4-31	T4-31+
1989-87	IC-200 – Diesel	31T	625		T4-31	T4-31+
1989-87	IC-200-1A – Diesel	31T	625		T4-31	T4-31+
1989-87	IC-200-2A – Diesel	31T	625		T4-31	T4-31+
1989-87	IC-80-1B – Diesel	31T	625		T4-31	T4-31+
1989-82	IC-80-1B – Gas	24	470		S3-24	S4-24
1986-85	IC-200 – Diesel	27	525		S4-27	S5515B
1986-85	IC-200-1A – Diesel	27	540		S4-27	S5515B
1986-85	IC-200-2A – Diesel	27	540		S4-27	S5515B
1986-84	IC-20-1A – Diesel	24	550		S3-24	S4-24
1986-82	IC-80-1B – Diesel	27	540		S4-27	S5515B
1985-82	IC-180-1A	27	540		S4-27	S5515B
Mobile Hydraulic Hammers						
1999-93	MH-42F – Ford Eng	24	550		S3-24	S4-24
1999-93	MH-42F – Cummins Diesel, J. Deere Eng	31T	950		T4-31+	T6-31
1997-88	MH-42-B – Diesel	31T	950		T4-31+	T6-31
1997-79	MH-42-B – Gas	24	550		S3-24	S4-24
1986-79	MH-42-B – Diesel	27	525		S4-27	S5515B
Rough Terrain Cranes						
1998-89	RTR-180 – Diesel, Optional	31T	950		T4-31+	T6-31
1998-89	RTR-200-1A – Diesel, Optional	31T	950		T4-31+	T6-31
1998-89	RTR-200-2A – Diesel, Optional	31T	950		T4-31+	T6-31
1998-89	RTR-200-3A – Diesel, Optional	31T	950		T4-31+	T6-31
1997-91	RT-300, RT-300-1	31T	950		T4-31+	T6-31
1997-91	RT-300-A, RT-300-B	31T	950		T4-31+	T6-31
1995-91	RTR-200-1B – Ford Eng	24	470		S3-24	S4-24
1995-91	RTR-200-1B – Cummins Diesel	31T	950		T4-31+	T6-31
1995-91	RTR-200-2B – Ford Eng	24	470		S3-24	S4-24
1995-91	RTR-200-2B – Cummins Diesel	31T	950		T4-31+	T6-31
1995-91	RTR-2001-2A – Diesel	24	470		S3-24	S4-24
1995-91	RTR-2001-2A – Diesel, Optional	31T	625		T4-31	T4-31+
		31T	950		T4-31+	T6-31
1995-91	RTR-2001-3A – Diesel	24	470		S3-24	S4-24
1995-91	RTR-2001-3A – Diesel, Optional	31T	625		T4-31	T4-31+
		31T	950		T4-31+	T6-31
1995-91	RTR-2001A – Diesel	24	470		S3-24	S4-24
1995-91	RTR-2001A – Diesel, Optional	31T	625		T4-31	T4-31+
		31T	950		T4-31+	T6-31
1991-85	RTR-2001-2A – Gas	24	470		S3-24	S4-24
1991-85	RTR-2001-3A – Gas	24	470		S3-24	S4-24
1991-85	RTR-2001A – Gas	24	470		S3-24	S4-24

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INDUSTRIAL

BRODERSON MFG. CO., INC. (BMC) — BUCYRUS-ERIE CO.

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		O.E. CCA BCI @ NO. 0°F			Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
BRODERSON MFG. CO., INC. (BMC) (Continued)						
Rough Terrain Cranes (Continued)						
1990-89	RTR-80 – Diesel, Optional	31T	950		T4-31+	T6-31
1990-81	RTR-80 – Gas	24	550		S3-24	S4-24
1989-87	RTR-180 – Diesel	31T	625		T4-31	T4-31+
1989-87	RTR-200-1A – Diesel	31T	625		T4-31	T4-31+
1989-87	RTR-200-1B – J. Deere Eng	31T	950		T4-31+	T6-31
1989-87	RTR-200-2A – Diesel	31T	625		T4-31	T4-31+
1989-87	RTR-200-2B – J. Deere Eng	31T	950		T4-31+	T6-31
1989-87	RTR-200-3A – Diesel	31T	625		T4-31	T4-31+
1988-87	RTR-80 – Diesel, Optional	31T	625		T4-31	T4-31+
1986-81	RTR-180 – Diesel	27	540		S4-27	S5515B
1986-81	RTR-200-1A – Diesel	27	540		S4-27	S5515B
1986-81	RTR-200-2A – Diesel	27	540		S4-27	S5515B
1986-81	RTR-200-3A – Diesel	27	540		S4-27	S5515B
1985-81	RTR-180 – Gas	24	470		S3-24	S4-24
1985-81	RTR-200-1A – Gas	24	470		S3-24	S4-24
1985-81	RTR-200-2A – Gas	24	470		S3-24	S4-24
1985-81	RTR-200-3A – Gas	24	470		S3-24	S4-24
BROOKVILLE						
Mining Locomotives						
2015-12	18-Ton Mining Locomotive	34	775	{47}	S5521B	S5564B
2015-08	22-Ton Mining Locomotive	34	775	{47}	S5521B	S5564B
2015-07	20-Ton Mining Locomotive	34	775	{47}	S5521B	S5564B
2013-12	15-Ton Mining Locomotive	34	775	{47}	S5521B	S5564B
2013-11	30-Ton Mining Locomotive	31T	1000		T4-31+	—
2013-07	25-Ton Mining Locomotive	31T	1000		T4-31+	—
2013-04	Jitney (Carrier)	31T	1000		T4-31+	—
2013-04	Mining Locomotive	31T	1000		T4-31+	—
2013-04	Personnel Carrier	31T	1000		T4-31+	—
Mining Personnel Carriers						
2014-07	4 Man Jeepster	31T	1000		T4-31+	—
Mining Utility Vehicles						
2015-08	15-Ton 20 Man Tractor (Rubber Tire)	34	775	{47}	S5521B	S5564B
Underground Mining Equipment Self Propelled						
2015-12	2-Man Maintenance Vehicle	34	775	{47}	S5521B	S5564B
2013-12	8-Man Maintenance Vehicle	31T	1000		T4-31+	—
BROS ROAD MACHINERY DIVISION						
Circulators						
1966-52	CS, CS-15, CT, CT-15	1	450		—	—
Compactors						
1975-71	Sani-Pactor II	8D	935	{15}	T4-8D	T4-4D
1974-71	Heavy Duty, Super 10	24	225		S3-24	S4-24
1970-68	Sani-Pactor	4D	760	{15}	T4-4D	—
Double Drum Rollers						
1984-81	VM-255	30H	490		T4-31P	T4-31P+
1984-80	VM-268, VM-278	4D	760		T4-4D	—
Mobil Sweepers						
1975-71	TE-3, TE-4 – Diesel	30H	380		T4-31P	T4-31P+
1975-71	TE-3, TE-4 – Gas	60	370		S3-24(29)	S3-24F(29)
Preparators						
1974-59	BP-5	4D	760	{15}	T4-4D	—
Rollers						
1984-69	SP-2500-D – Diesel	30H	380		T4-31P	T4-31P+
1984-69	SP-2800-D – Diesel	30H	380		T4-31P	T4-31P+
1984-69	SP-3000-D – Diesel	30H	380		T4-31P	T4-31P+
1984-69	SP-3500-D – Diesel	30H	380		T4-31P	T4-31P+
1984-64	SP-225D SP-446P	4D	760		T4-4D	—

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
BROS ROAD MACHINERY DIVISION (Continued)						
Rollers (Continued)						
1984-64	SP-4000, SP-6000	30H	475		T4-31P	T4-31P+
1984-64	SP-6000B, SP-735	4D	760		T4-4D	—
1984-64	SP-925	4D	760		T4-4D	—
1978-71	SP-2500-D, SP-2800-D	24	225		S3-24	S4-24
1978-71	SP-3000-D, SP-3500-D	24	225		S3-24	S4-24
1967-60	SP-10,000, SP-255D	4D	805	{147}	T4-4D	—
1967-60	SP-2800, SP-3500	24	335	{147}	S3-24	S4-24
1967-60	SP-54, SP-54B	24	335	{147}	S3-24	S4-24
1967-60	SP-54BD, SP-54C	24	335	{147}	S3-24	S4-24
1967-60	SP-730B, SP-735	4D	805	{147}	T4-4D	—
1967-60	SP-915	24	335	{147}	S3-24	S4-24
1967-60	SP-925	4D	805	{147}	T4-4D	—
Rotary Snow Plows						
1975-60	A-107, A-66CW	24	335		S3-24	S4-24
1975-60	A-66L-36, A-68	24	335		S3-24	S4-24
1975-60	A-80L, A-80T, BL, BT	24	335		S3-24	S4-24
Roto Mixers						
1984-59	LSPRM-84A, LSPRM-8A	4D	805	{147}	T4-4D	—
1984-59	Reclaimer I	4D	805	{147}	T4-4D	—
1984-59	SPRM-84B, TRM-84	4D	805	{147}	T4-4D	—
1984-59	TRM-84B	4D	805	{147}	T4-4D	—
Vibra Pactors						
1984-75	168D, 168P, 168S	4D	760		T4-4D	—
1984-75	SPV-627, SPV-627D	4D	760		T4-4D	—
1984-74	SPV-735, SPV-735-VA	4D	960		T4-4D	—
1976-66	SP-845, SPV-7	30H	380		T4-31P	T4-31P+
1976-66	SPV-725, SPV-730	30H	380		T4-31P	T4-31P+
1976-66	SPV-735, SPV-845	30H	380		T4-31P	T4-31P+
1967-64	VP-10, VP-10D	30H	475	{147}	T4-31P	T4-31P+
1967-64	VP-20D, VP-22D	30H	475	{147}	T4-31P	T4-31P+
1967-64	VP-4D, VP-4G, VP-9D	30H	475	{147}	T4-31P	T4-31P+
1967-64	VP-9G	30H	475	{147}	T4-31P	T4-31P+
1961-60	VP-9D	24	335		S3-24	S4-24
1961-59	VP-9	1	475		—	—
BROWN						
Portable/Walk-Behind Trenchers						
2013-07	F-904 Trench Master	U1	330		—	—
2013-05	F-1202 Trench Master	U1	330		—	—
2013-04	F-704 Trench Master	U1	330		—	—
BROWN BEAR						
Forestry Equipment Self Propelled						
2013-06	FS 5000 Brush Cutter	27F	710		S4-27F	S5516B
2013-05	FS 4000 Brush Cutter	27F	710		S4-27F	S5516B
BUCYRUS-ERIE CO.						
The size battery used was based upon the type of engine. Measure carefully, watch voltage.						
Cranes, Draglines, Shovels						
2004-02	7820, 8050, 8200	8D	850		T4-8D	T4-4D
2004-02	8750	8D	850		T4-8D	T4-4D
2004	2570 WS	8D	850		T4-8D	T4-4D
1984-78	1200-C	4D	640		T4-4D	—
1984-63	110 Ton	8D	900		T4-8D	T4-4D
1976-62	C-160 – Optional	4D	640	{15}	T4-4D	—
		8D	900		T4-8D	T4-4D
1967-63	25-B – Optional	4	840	{15}	—	—
		4D	800	{147}	T4-4D	—
		8D	900		T4-8D	T4-4D
1967-63	38-B2 – Optional	30H	475		T4-31P	T4-31P+

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BUCYRUS-ERIE CO. — BURCO INC.

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		O.E. CCA BCI @ NO. 0°F		Replacement Options	
YEAR	DESCRIPTION		Notes	Option 1	Option 2
BUCYRUS-ERIE CO. (Continued)					
Cranes, Draglines, Shovels (Continued)					
	38-B2 – Optional	4D 805		T4-4D	—
		8D 900	{147}	T4-8D	T4-4D
1967-63	61-B, 71-B	8D 900		T4-8D	T4-4D
1967-58	11-B, 14-B – Optional	30H 475		T4-31P	T4-31P+
		4 840		—	—
		4B 615		T4-4D	T4-8D
		4D 790		T4-4D	—
		8D 900		T4-8D	T4-4D
1967-58	15-B	4 790	{147}	—	—
1967-58	15-B – Optional	4D 805		T4-4D	—
1967-58	15-B, 22-B – Optional	30H 475	{147}	T4-31P	T4-31P+
1967-58	15-B, 38-B – Optional	8D 900		T4-8D	T4-4D
1967-58	22-B – Optional	4 790	{147}	—	—
		4D 805	{147}	T4-4D	—
		8D 900	{147}	T4-8D	T4-4D
1967-58	30-B – Optional	4 790		—	—
		4D 805	{147}	T4-4D	—
		8D 900	{147}	T4-8D	T4-4D
1967-58	38-B – Optional	1 500		—	—
		30H 475		T4-31P	T4-31P+
		4 790	{15}	—	—
		5D 865		—	—
		7D 900	{15}	—	—
1967-58	88-B	1 500		—	—
1967-58	88-B – Optional	30H 500		T4-31P	T4-31P+
		4 840		—	—
		8D 900		T4-8D	T4-4D
1963-58	54-B, 71-B	4 790	{148}	—	—
1962-58	51B	1 500		—	—
1962-58	51B – Optional	4 790		—	—
Hydraulic Hoes					
1984-81	400H, 500H	27 620	{148}	S4-27	S5515B
1984-78	300H, 325H	4D 640		T4-4D	—
1984-70	350H, 40H	8D 900		T4-8D	T4-4D
1980-66	15H, 20H – Optional	4D 640	{15}	T4-4D	—
1980-66	15H, 20H, 30H	8D 900		T4-8D	T4-4D
1980-66	30H – Optional	4D 640	{15}	T4-4D	—
Hydrocranes					
1984-77	25XC, 30XC	4D 640		T4-4D	—
1984-77	60XC, 90XC	27 620		S4-27	S5515B
1984-66	H-3 – Ford 240 Eng	30H 400		T4-31P	T4-31P+
1984-66	H-3 – Ford 300 Eng	30H 400		T4-31P	T4-31P+
1984-66	H-5 – Ford 240 Eng	30H 400		T4-31P	T4-31P+
1984-66	H-5 – Ford 300 Eng	30H 400		T4-31P	T4-31P+
1984-66	H-5 – Ford 3000 Eng	30H 400		T4-31P	T4-31P+
1984-66	IHC UD-236	4D 640		T4-4D	—
1979-68	65-C – w/Cummins Eng	8D 900		T4-8D	T4-4D
1979-68	GM 6-71, GM 6-72	8D 900		T4-8D	T4-4D
1978-74	40-C	4D 640		T4-4D	—
1978-68	45-C – Cummins, Ford	4D 640	{15}	T4-4D	—
1978-68	45-C – GM 6V-53 & DD Eng	8D 900		T4-8D	T4-4D
1978-68	55-C – Cummins, Ford	4D 640	{15}	T4-4D	—
1978-68	55-C – GM 6V-53 & DD Eng	8D 900		T4-8D	T4-4D
1973-68	35C – Cummins, Ford	4D 640		T4-4D	—
1973-68	DD4-53N	8D 900		T4-8D	T4-4D
1967-66	15H	8D 900		T4-8D	T4-4D
1967-66	20H – Cummins Diesel	4D 805		T4-4D	—
1967-66	20H – GM	8D 900		T4-8D	T4-4D

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
BUCYRUS-ERIE CO. (Continued)						
Hercules						
1984-66	D-3400	7D	900		—	—
Rigid Haul Trucks						
2011-10	MT 3300 AC	31T	900	{181}	T4-31+	T6-31
2011-10	MT 3700 AC	31T	900	{181}	T4-31+	T6-31
2011-10	MT 4400 AC	31T	900	{181}	T4-31+	T6-31
2011-10	MT 5500 AC	31T	900	{181}	T4-31+	T6-31
2011-10	MT 6300 AC	31T	900	{181}	T4-31+	T6-31
Rotary Drills						
1984-69	20-W – Waukesha, Ford Eng	30H	400		T4-31P	T4-31P+
1984-64	10-R	8D	900		T4-8D	T4-4D
1984-62	60-R	8D	900		T4-8D	T4-4D
1984-55	40-R – Cat. Eng	4	750		—	—
1984-55	40-R – GM Eng, Cummins, DD Eng	8D	900		T4-8D	T4-4D
1984-55	45-R	8D	900		T4-8D	T4-4D
1984-46	22-W – Cont Eng	30H	400		T4-31P	T4-31P+
1984-46	22-W – All other Eng	4	750		—	—
1984-46	22-W – Diesel, Buda, Hercules Eng	4D	640		T4-4D	—
1984-46	36-L – Buda	4	750	{15}	—	—
1984-46	36-L – Waukesha Eng	4D	640		T4-4D	—
1984-46	36-L – Cummins Diesel	8D	900		T4-8D	T4-4D
1978-53	Hercules	1	450		—	—
1973-58	30R, 30RC	8D	900	{147}	T4-8D	T4-4D
1973-58	60-L	4	750		—	—
1973-46	28L – Optional	1	450		—	—
		4	450	{148}	—	—
		4D	640	{147}	T4-4D	—
1963-55	1-W	1	525		—	—
1962-58	24L	4	450	{147}	—	—
1955-46	LeRoi	4	805		—	—
Shovels						
2002	495HR/HF	8D	850		T4-8D	T4-4D
BURCO INC.						
Formerly BURLINGTON COMPRESSOR INC. Also AMERICAN JENBACH CORP.						
Engine Drive Welders						
1993-92	XL100	4DLT	815		T4-4DLT	T4-4D{30}
1993-90	3000 also Stud Pak 1600	30H	650		T4-31P	T4-31P+
1993-90	Stud Pak 2600	30H	650		T4-31P	T4-31P+
Equipment						
2004-02	MSG 200 / 201S	29H	660		T4-31P	T4-31P+
2004-02	TS 2X400 SX / EL – PL	29H	660		T4-31P	T4-31P+
2004	MPM 165	29H	660		T4-31P	T4-31P+
Irrigation Generators						
1993-80	IG 460-7.5	24	410		S3-24	S4-24
1993-78	IG 4 60-10	30H	650		T4-31P	T4-31P+
1993-78	IG 460-12, IG 460-15	30H	650		T4-31P	T4-31P+
1993-78	IG 460-20	30H	650		T4-31P	T4-31P+
Irrigation Pumps						
1993-78	IP 1200, IP 1750	4DLT	815		T4-4DLT	T4-4D{30}
1993-78	IP 320, IP 550	30H	650		T4-31P	T4-31P+
1993-78	IP 700, IP 860	4DLT	815		T4-4DLT	T4-4D{30}
Portable Compressors						
1980-54	AJ-157, AJ-2, AJ-79	4D	700	{147}	T4-4D	—
1980-54	JW-156, JW-156L	4D	700	{147}	T4-4D	—
1980-54	JW-600	4D	700	{147}	T4-4D	—
1977-52	Burco 170 – Optional	30H	570		T4-31P	T4-31P+
1977-52	Burco 170, Burco 230	4D	700		T4-4D	—

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INDUSTRIAL BURCO INC. — CASE CORP

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		O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
YEAR	DESCRIPTION				Option 1	Option 2
BURCO INC. (Continued)						
Portable Compressors (Continued)						
1977-52	Burco 230 – Optional	30H	570		T4-31P	T4-31P+
1977-52	JW-300 – Optional	24	400		S3-24	S4-24
1977-52	JW-300, JW-78	30H	550		T4-31P	T4-31P+
1977-52	JW-78L – Optional	30H	570		T4-31P	T4-31P+
		4D	700		T4-4D	—
1977-49	JW-78	24	400		S3-24	S4-24
Portable Generators						
1993-88	Enclosed version	30H	650		T4-31P	T4-31P+
1993-81	CG 95KW (Trailer)	30H	650	{147}	T4-31P	T4-31P+
1993-81	Sil Amp 50	30H	650	{147}	T4-31P	T4-31P+
1993-81	Sil Amp 70	30H	650	{147}	T4-31P	T4-31P+
1993-78	CG 15KW, CG 25KW	30H	650		T4-31P	T4-31P+
1993-78	CG 35KW	30H	650		T4-31P	T4-31P+
1993-78	CG 45KW, CG 55KW	4DLT	815		T4-4DLT	T4-4D{30}
1993-78	CG 80KW	4DLT	815		T4-4DLT	T4-4D{30}
1993-78	CG 8KW	24	410		S3-24	S4-24
1990-80	160KW, 195KW	30H	650	{15}	T4-31P	T4-31P+
1990-80	260KW (Skid)	30H	650	{15}	T4-31P	T4-31P+
1990-80	CG 130KW	30H	650	{15}	T4-31P	T4-31P+
BURRO CRANE INC.						
Formerly FEDERAL SIGN & SIGNAL CORP.						
Locomotive Cranes						
2000-75	40 – Diesel	8D	975	{147}	T4-8D	T4-4D
2000-75	45, 50, 55, 66, 67	8D	975	{147}	T4-8D	T4-4D
1995-66	15A, 30	5D	820	{179}	—	—
CASE CORP						
In the absence of a cranking performance specification supplied by the original equipment vehicle manufacturer, the rating shown is based upon battery industry consensus.						
Articulated Trucks						
2008-06	300 Series	NA	1200	{15}	—	—
2007-06	300 Series – 140AH	NA	1200	{15}	—	—
Backhoe Loaders						
2014-10	580 N	49	850	{15}	S5533B	S6588B
2013-10	580 Super N	49	850	{15}	S5533B	S6588B
2013	590 Super N	49	850	{15}	S5533B	S6588B
2012-10	580 N	49	850		S5533B	S6588B
2012-10	580 Super N WT	49	850	{15}	S5533B	S6588B
2011-02	580 M	31T	850		T4-31+	T6-31
2011-02	580 M turbo Series 2 Turbo	31T	850		T4-31+	T6-31
2011-02	Series 2, Super M	31T	850		T4-31+	T6-31
2008-02	590 Super M Series 2	31T	850		T4-31+	T6-31
2004-02	960	31T	685		T4-31	T4-31+
2003-02	580C	31T	850		T4-31+	T6-31
2002	310G, 420D	31T	850		T4-31+	T6-31
2002	580 SLE/MXT, JCB214E	31T	850		T4-31+	T6-31
Compact Excavators						
2008-07	B Series, CX Series	31T	850		T4-31+	T6-31
2007-06	CX Series	NA	NA		—	—
2006	B Series	NA	NA		—	—
Compact Tracked Loaders						
2013-10	TR270, TR320, TV380	31T	1000		T4-31+	—
2013	SR160	31T	1000		T4-31+	—
Compact Wheel Loader						
2008-06	D Series, E Series	NA	750		—	—
2008-06	E340	NA	1200	{15}	—	—
2007-06	E340 – 170AH	NA	1200	{15}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
CASE CORP (Continued)						
Compactors/Rollers						
2008-06	DV Series	NA	640		—	—
2007-06	SV Series – 100AH	NA	NA		—	—
Crawler Dozer						
2012-06	650L, 750L, 821E	31T	750	{15}	T4-31	T4-31+
2012-06	850L	31T	750	{15}	T4-31	T4-31+
2009-02	650 K Series	31T	750	{15}	T4-31	T4-31+
2008-06	H, K, L – Series	31T	700	{15}	T4-31	T4-31+
2008-02	750 K Series	31T	700	{15}	T4-31	T4-31+
2008-02	850 K Series	31T	700	{15}	T4-31	T4-31+
2002-00	650 H Series	31T	750	{15}	T4-31	T4-31+
2002-00	750 H Series	31T	700	{15}	T4-31	T4-31+
2002-00	850 H Series	31T	700	{15}	T4-31	T4-31+
2000-95	650 G Series	31T	750		T4-31	T4-31+
2000-93	850 G Series	31T	700	{15}	T4-31	T4-31+
Crawler Dozers						
2013-08	1850 K Series 3	31T	750	{15}	T4-31	T4-31+
2013	1150 K Series	31T	750	{15}	T4-31	T4-31+
2013	1650 L Series, 650L	31T	750	{15}	T4-31	T4-31+
2013	750L, 850L	31T	700	{15}	T4-31	T4-31+
Equipment						
2005	TF 300 B	NA	340	{24}	—	—
Forklift						
2008-06	G Series	NA	610	{24}	—	—
Industrial						
1997-95	2144, 2166, 2188	31T	NA		—	—
1997-87	2140	48	NA		—	—
1997	2555	31T	NA		—	—
1996-95	2155	31T	NA		—	—
1994-85	1640, 1660, 1680	31T	NA		—	—
1993-91	2022, 2044, 2055	31T	NA		—	—
1993-90	9210, 9230, 9240	31T	NA		—	—
1993-90	9250, 9260, 9270	31T	NA		—	—
1993-90	9280	31T	NA		—	—
1993-87	2120, 2130, 2150	48	NA		—	—
1993-87	245, 255	24	NA		—	—
1993-87	7110, 7120, 7130	31T	NA		—	—
1993-87	7140, 7150	31T	NA		—	—
1993-85	1620, 1670	31T	NA		—	—
1992-87	265, 275	24	NA		—	—
1991-85	1682	31T	NA		—	—
1991-85	1682 – Pull start	31T	NA		—	—
1991-85	1822, 1844	31T	NA		—	—
1991-84	1896, 2096	31T	NA		—	—
1991-76	4000, 5000	31T	NA		—	—
1990-87	9110, 9130, 9150	31T	NA		—	—
1990-87	9170, 9180	31T	NA		—	—
1987-85	380B, 380B WHEEL	27	NA		—	—
1986-82	234, 244, 254	24	NA		—	—
1986-81	1400, 1470, 782	24	NA		—	—
1986-81	1460 Rice	24	NA		—	—
1986-81	1470 Hillside	24	NA		—	—
1986-80	1420	24	NA		—	—
1986-80	274	27	NA		—	—
1986-79	384, 484, 584, 684	27	NA		—	—
1986-79	784, Hydro 84	27	NA		—	—
1986-78	284	27	NA		—	—
1986-77	1440, 1460, 1480	24	NA		—	—
1985-81	680CK H Series	31T	570		T4-31	T4-31+
1985-80	7388, 7588, 7788	31T	NA		—	—

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INDUSTRIAL

CASE CORP — CASE, J.I.

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YEAR DESCRIPTION		O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
CASE CORP (Continued)						
Industrial (Continued)						
1984-80	3088, 3288, 3488	24	NA		—	—
1984-80	3688, 5088, 5288	24	NA		—	—
1984-80	5488	24	NA		—	—
1984-80	6366, 6586, 6786	31T	NA		—	—
1984-80	7386	31T	NA		—	—
1983-80	884	27	NA		—	—
1981-80	3788	31T	NA		—	—
1981-79	3388, 3588	31T	NA		—	—
1981-77	1086, 1486, 1586	24	NA		—	—
1981-77	4386	31T	NA		—	—
1981-77	886, 986, Hydro 186	24	NA		—	—
1981-76	4586	31T	NA		—	—
1980-78	Hydro 86	24	NA		—	—
1979-78	4786	31T	NA		—	—
1979-77	686	24	NA		—	—
1976	666, Hydro 70	24	NA		—	—
Loader/Tool Carriers						
2012-07	570M XT Series 3	28	525		—	—
2012-07	570M XT Series 3 – Optional	31T	750		T4-31	T4-31+
2008	570 MTX	NA	NA		—	—
2006-02	570 MXT	31T	850		T4-31+	T6-31
2006-02	570 MXT – Turbo	31T	850		T4-31+	T6-31
Motor Graders						
2008-07	M/800 Series	NA	NA		—	—
2006	800 Series	NA	NA		—	—
Multi-Purpose Tool Carrie						
2013	570M XT Series 3 – w/cold start	28	525		—	—
2013	570M XT Series 3 – w/o cold start	28	525		—	—
Skid Steer						
2012-10	SR130, SR150, SR175	31T	1000		T4-31+	—
2012-10	SR200, SR220, SR250	31T	1000		T4-31+	—
2012-10	SV185, SV250, SV300	31T	1000		T4-31+	—
2011-08	420 Series 3 – Optional	31T	1125		—	—
2011-08	430 Series 3 – Optional	31T	1125		—	—
2011-08	435 Series 3 – Optional	31T	1125		—	—
2011-08	440 Series 3 – Optional	31T	1125		—	—
2011-08	445 Series 3	31T	1125		—	—
2011-08	450 Series 3	31T	1125		—	—
2011-08	465 Series 3	31T	1125		—	—
2011-05	410 Series 3	49	850		S5533B	—
2011-05	420 Series 3	49	850		S5533B	—
2011-05	430 Series 3	49	850		S5533B	—
2011-05	435 Series 3	49	850		S5533B	—
2011-05	440 Series 3	49	850		S5533B	—
2008-06	400 Series	31T	660		T4-31	T4-31+
2007-05	410, 420, 430, 440	49	850		S5533B	S6588B
2007-05	445	49	850		S5533B	S6588B
2007-04	435, 450, 465	49	850		S5533B	S6588B
2005	40XT, 60XT, 70XT	49	610	{24}	S5533B	S6588B
2005	85XT, 90XT, 95XT	49	610	{24}	S5533B	S6588B
2004-94	1825B	24	600		S4-24	S5507B
2001-94	1838	31T	750		T4-31	T4-31+
2001-86	1845C – Diesel	30H	685		T4-31P+	T6-31P
Skid Steer Loaders						
2013	SR130, SR150, SR175	31T	1000		T4-31+	—
2013	SR200, SR220, SR250	31T	1000		T4-31+	—
2013	SV185, SV250, SV300	31T	1000		T4-31+	—

		O.E. BCI NO.	CCA @ 0°F		Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
CASE CORP (Continued)						
Telescopic Handlers						
2008	TX Series	NA	NA		—	—
Tractor/Loader/Backhoes						
2013	580 N	49	850		—	—
Wheel Loaders						
2014-12	621F, 621FXR, 621FXT	31T	750	{15}	T4-31	T4-31+
2013-10	1021 F Series	4D	1000		T4-4D	—
2013-10	1121 F Series	4D	1000		T4-4D	—
2013-10	721 F Series	31T	750	{15}	T4-31	T4-31+
2013-10	821 F Series	31T	750	{15}	T4-31	T4-31+
2013-10	921 F Series	31T	750	{15}	T4-31	T4-31+
2013-08	521 E Series	31T	750		T4-31	T4-31+
2013	621 E Series	31T	750	{15}	T4-31	T4-31+
2012-08	1650 L Series	31T	750	{15}	T4-31	T4-31+
2012-08	621 E Series	31T	750	{15}	T4-31	T4-31+
2012-06	1150 K Series	31T	750	{15}	T4-31	T4-31+
2011-07	921E	4D	900	{15}	T4-4D	—
2011-06	721 E Series	31T	750	{15}	T4-31	T4-31+
2006-99	921C	4D	1000	{15}	T4-4D	—
2006-03	1150 H Series	31T	750	{15}	T4-31	T4-31+
2000-93	1150 G Series	31T	750	{15}	T4-31	T4-31+
CASE, J.I.						
A TENNECO COMPANY (DAVIS MANUFACTURING/DROTT MFG. CO.)						
Additional equipment listed in the Farm Equipment section.						
Backhoe Loaders						
1993-91	590CK – Optional	28	525	{15}	—	—
		30H	650		T4-31P	T4-31P+
1993-87	580CK K Series	30H	650		T4-31P	T4-31P+
1993-86	480CK E Series	30H	650		T4-31P	T4-31P+
1993-86	480CK F Series	30H	650		T4-31P	T4-31P+
1993-70	680CK K Series – Diesel	30H	650	{15}	T4-31P	T4-31P+
1993-70	680CK L Series – Diesel	30H	650	{15}	T4-31P	T4-31P+
1993-70	780CK B Series – Diesel	30H	650	{15}	T4-31P	T4-31P+
1993-70	780CK C Series – Diesel	30H	650	{15}	T4-31P	T4-31P+
1993-70	780CK D Series – Diesel	30H	650	{15}	T4-31P	T4-31P+
1988-83	580CK E Series	31T	700		T4-31	T4-31+
1986-76	480CK C Series	30H	550		T4-31P	T4-31P+
1986-76	480CK D Series	30H	550		T4-31P	T4-31P+
1985-81	680CK H Series	31T	570	{15}	T4-31	T4-31+
1983-78	580CK C Series	2	650	{147}	—	—
1983-78	580CK D Series	2	650	{147}	—	—
1981-78	680CK G Series	2	625	{15}	—	—
1981-75	380CK – Diesel	30H	550		T4-31P	T4-31P+
1978-75	680CK E Series	30H	550	{15}	T4-31P	T4-31P+
1977-76	580CK C Series	30H	550		T4-31P	T4-31P+
1976-75	480CK B Series – Diesel	2N	450		—	—
1975-65	480CK – Diesel	2N	450	{15}	—	—
1975-65	580CK – Gas	24	200		S3-24	S4-24
1975-65	580CK – Diesel	30H	550		T4-31P	T4-31P+
1974-65	480CK B Series	30H	550		T4-31P	T4-31P+
1974-65	680CK – Diesel	27	600	{15}	S4-27	S5515B
1974-65	680CK – Gas	30H	550		T4-31P	T4-31P+
Cable Layer						
1983-72	475	4D	700		T4-4D	—
Cranes						
1986-64	1500, 160RF2, 1800	30H	475		T4-31P	T4-31P+
1986-64	2000, 2500, 3330	30H	475		T4-31P	T4-31P+
1980-78	5550 – Optional	31T	600	{15}	T4-31	T4-31+
1980-75	1500, 1800	8D	975		T4-8D	T4-4D
1980-75	2000, 2500 – Optional	8D	975		T4-8D	T4-4D

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INDUSTRIAL CASE, J.I.

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		O.E. BCI NO.	CCA @ 0°F		Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
CASE, J.I. (Continued)						
Cranes (Continued)						
1980-75	5550	8D	975		T4-8D	T4-4D
1977-60	20RR2, 60RM2, 85RM2	29NF	290		—	—
Crawler						
1993-89	1155E, 455C, 855E	31A	700	{147}	T4-31P	T4-31P+
1993-89	550E, 650E	31A	700		T4-31P	T4-31P+
1993-87	1550	31A	950	{15}	T4-31P+	T6-31P
1993-86	1150E	31A	700	{15}	T4-31P	T4-31P+
1993-85	850E	31A	700	{15}	T4-31P	T4-31P+
1993-84	450C	31A	950		T4-31P+	T6-31P
1987-85	380B	27	600		S4-27	S5515B
1987-75	1150B, 1150C – Diesel	30H	550	{15}	T4-31P	T4-31P+
1987-75	1150D, 1450B – Diesel	30H	550	{15}	T4-31P	T4-31P+
1985-75	850, 850B, 850C	30H	550	{15}	T4-31P	T4-31P+
1984-79	450B	30H	550		T4-31P	T4-31P+
1984-79	450B – Optional	4D	700		T4-4D	—
1983-79	350B	30H	570		T4-31P	T4-31P+
1980-75	1450	4D	700	{15}	T4-4D	—
1979-69	350 – Diesel	27	410	{15}	S4-27	S5515B
1970-69	1070, 870, 970	30H	550	{147}	T4-31P	T4-31P+
1970-69	470, 570 – Diesel	1	460	{15}	—	—
1970-69	470, 570 – Gas	24	290		S3-24	S4-24
1970-69	770	27	600	{147}	S4-27	S5515B
1969-65	450 – Gas	27	600		S4-27	S5515B
1969-65	450 – Diesel	4D	700		T4-4D	—
1969-64	310G – Gas	24	290		S3-24	S4-24
1969-64	310G – Diesel	27	600		S4-27	S5515B
1969-59	1000C, 1000D, 1150	2	600	{173}	—	—
1964-63	310F – Diesel prior to S.N. 3019958	1	500	{15}	—	—
		24	400		S3-24	S4-24
1964-63	310F – Diesel after S.N. 3019958	27	500	{15}	S4-27	S5515B
1962-61	310E – Diesel	1	500	{15}	—	—
1962-61	800C	2	600	{173}	—	—
1962-59	1000	3	650	{173}	—	—
1962-59	310, 310C, 310D	24	400		S3-24	S4-24
1962-59	310E	24	400		S3-24	S4-24
1962-59	420, 420B, 420C – Gas	24	400		S3-24	S4-24
1962-59	420C – Diesel	1	500	{15}	—	—
1962-57	800 – After S/N 7081201	2	600	{173}	—	—
1962-57	800 – S/N 7080872 to 7081200	3	650	{173}	—	—
1962-57	800 – To S/N 7080872	8D	950		T4-8D	T4-4D
1962-57	810 – After S/N 7081201	2	600	{173}	—	—
1962-57	810 – S/N 7080872 to 7081200	3	650	{173}	—	—
1962-57	810 – To S/N 7080872	8D	950		T4-8D	T4-4D
1961-54	310, M3B	1	500		—	—
1961-54	500, 520 – Diesel	1	500	{15}	—	—
1961-54	500, 520 – Gas	4	800	{147}	—	—
1960-59	800C	1	500	{173}	—	—
1959	320 – All 12–Volt	24	400		S3-24	S4-24
Excavators, Crawler						
1986-77	35D, 35DC, 40DC, 40E	31T	600	{15}	T4-31	T4-31+
1986-77	880B, 880C, 980B	31T	600	{15}	T4-31	T4-31+
1986-77	980C	31T	600	{15}	T4-31	T4-31+
1986-68	1280, 50BC, 50DC	4D	800	{15}	T4-4D	—
1986-68	50E, 880AC, 980BC	4D	800	{15}	T4-4D	—
1980-74	120C	8D	975	{15}	T4-8D	T4-4D
1977-70	35BC, 40BC	30H	380	{15}	T4-31P	T4-31P+

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
CASE, J.I. (Continued)						
Excavators, Rubber Tired						
1993-90	1085C, 1086C Forest	31A	700	{15}	T4-31P	T4-31P+
1993-89	1187C	31T	700	{15}	T4-31	T4-31+
1986-75	1085, 1086, 1285	31T	600	{15}	T4-31	T4-31+
1986-75	1286, 40DR, 40RE	31T	600	{15}	T4-31	T4-31+
1986-75	45R, 45RE	31T	600	{15}	T4-31	T4-31+
1975-68	40BR	30H	380	{15}	T4-31P	T4-31P+
Forklift						
1993-77	584, 585 – Series B,D&E	30H	575		T4-31P	T4-31P+
1993-77	586 – Series B,D&E	30H	575		T4-31P	T4-31P+
1987-86	Series E	31T	700		T4-31	T4-31+
1984-83	1835B, 1845B – Gas	24	370		S3-24	S4-24
1984-83	1835B, 1845B – Diesel	30H	540		T4-31P	T4-31P+
Log Skidders						
1976-70	300SK, 400SK – Diesel	30H	570	{15}	T4-31P	T4-31P+
1976-70	600, 800, 825 – Diesel	30H	570	{15}	T4-31P	T4-31P+
1969-68	300SK, 400SK	4D	800		T4-4D	—
Mobile Gantry Cranes						
1967-62	All	30H	475	{147}	T4-31P	T4-31P+
Plow-in-Line Layers						
1967	PT–50, PT–90	29NF	290		—	—
Task Force						
1986-63	1000, 2000, 300, 500	29NF	300		—	—
1986-63	600, 700, 800	29NF	300		—	—
1981-78	1000, 2000 – Optional	2	625	{15}	—	—
1981-78	300, 500 – Optional	2	625	{15}	—	—
1981-78	600, 700 – Optional	2	625	{15}	—	—
1981-78	800 – Optional	2	625	{15}	—	—
1978-76	1000, 2000 – Optional	30H	380		T4-31P	T4-31P+
1978-76	300, 500 – Optional	30H	380		T4-31P	T4-31P+
1978-76	600, 700 – Optional	30H	380		T4-31P	T4-31P+
1978-76	800 – Optional	30H	380		T4-31P	T4-31P+
Travelifts						
1986-76	650C, 770TC	31T	600	{148}	T4-31	T4-31+
1986-75	250B, 500B, 650B	30H	380	{15}	T4-31P	T4-31P+
1986-67	1000AC, 1000B, 800AC	8D	975	{147}	T4-8D	T4-4D
1986-67	800R	8D	975	{147}	T4-8D	T4-4D
Trenchers						
1993-85	360 – Gas	24	410		S3-24	S4-24
1993-85	360 – Diesel	30H	580		T4-31P	T4-31P+
1993-84	Maxi–B	30H	625		T4-31P	T4-31P+
1993-81	660, 760, 860	30H	625		T4-31P	T4-31P+
1993-79	DH4, DH4B	31A	700		T4-31P	T4-31P+
1993-68	14 + 4, 16 + 4	29NF	300		—	—
1993-68	20 + 4, 25 + 4	29NF	300		—	—
1993-68	30 + 4, 40 + 4	29NF	300		—	—
1993-60	T–66, T–78, TF300	29NF	340		—	—
1986-81	Mini–Sneaker	27	400		S4-27	S5515B
1986-79	DH5, DH5B, DH7	30H	490		T4-31P	T4-31P+
1986-77	Maxi–Sneaker	30H	390		T4-31P	T4-31P+
1986-73	10 + 2, 12 + 4	29NF	300		—	—
1982-81	FH4	31T	500		T4-31	T4-31+
1981-72	Mini–Sneaker	29NF	300		—	—
1981-72	Scat–Back 430	29NF	300		—	—
1981-72	Scat–Back 430 – Diesel	30H	380		T4-31P	T4-31P+
1981-70	Fleet Hoe 30	29NF	300		—	—
1980-78	DH5	29NF	300		—	—
1979-78	70 + 4 – Diesel	2	625	{15}	—	—
1979-73	40 + 4 – Diesel	30H	380		T4-31P	T4-31P+
1979-73	55 + 4	30H	380		T4-31P	T4-31P+

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INDUSTRIAL CASE, J.I. — CATERPILLAR

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
CASE, J.I. (Continued)						
Trenchers (Continued)						
1977-71	70 + 4 – Gas	29NF	300		—	—
1977-71	70 + 4 – Diesel	30H	380		T4-31P	T4-31P+
1971-69	12 + 2B	U1	220		—	—
Loader						
1986-73	W4	29NF	300		—	—
Trimline						
1986-76	100, 200	24	360		S3-24	S4-24
1981-70	120	29NF	300		—	—
Uni-Loaders						
1993-86	1845C – Diesel	30H	685		T4-31P+	T6-31P
1993-80	1835C, 1840 – Diesel	30H	685		T4-31P+	T6-31P
1993-74	1818, 1825, 1830	24	410		S3-24	S4-24
1987-80	1835, 1835B – Gas	24	370		S3-24	S4-24
1987-80	1835, 1835B – Diesel	30H	650		T4-31P	T4-31P+
1987-75	1845, 1845B – Gas	24	370		S3-24	S4-24
1987-75	1845, 1845B – Diesel	30H	550		T4-31P	T4-31P+
1987-75	1845S – Gas	24	370		S3-24	S4-24
1987-75	1845S – Diesel	30H	550		T4-31P	T4-31P+
1987-73	1816, 1816B, 1816C	24	200		S3-24	S4-24
1975-71	1530B, 1737, 1737S	24	200		S3-24	S4-24
1975-71	1740	30H	570		T4-31P	T4-31P+
Wheel Loaders, Articulated						
1993-91	921	4D	900	{148}	T4-4D	—
1993-88	621, 721 – Optional	4D	800	{15}	T4-4D	—
1993-88	621, 721, 821	31A	700	{15}	T4-31P	T4-31P+
1993-88	821 – Optional	4D	800	{15}	T4-4D	—
1993-66	W10B, W11, W11B, W14	30H	625		T4-31P	T4-31P+
1993-66	W8B, W9B	30H	625		T4-31P	T4-31P+
1992-75	W14B, W14C, W18, W20	30H	625	{15}	T4-31P	T4-31P+
1989-77	W20B, W20C	30H	550	{15}	T4-31P	T4-31P+
1989-77	W30, W36	30H	550	{173}	T4-31P	T4-31P+
1985-68	W24B, W24C, W24D	4D	800	{15}	T4-4D	—
1985-68	W26, W26D	4D	800	{15}	T4-4D	—
1975-71	W18, W20	2	625	{173}	—	—
1972-63	E Series, W5, W7 – Gas	24	500		S3-24	S4-24
1972-63	Series E – Diesel	30H	625		T4-31P	T4-31P+
1972-63	W5 – Diesel	2	625		—	—
1972-63	W7 – Diesel	4	700		—	—
1971-70	Series B – Diesel	4D	800	{15}	T4-4D	—
Woodlands						
1986-80	40BLC – Optional	31T	600	{148}	T4-31	T4-31+
1982-68	40BLC, 80BR	30H	380	{148}	T4-31P	T4-31P+
CASTEX						
Floor Machines						
	Concord – 36-volt	921	NR	{181}	—	—
	Cordless Eagle – 36-volt	921	NR	{181}	—	—
	Max Trac – 24-volt	27	NR	{3,15}	—	—
CATERPILLAR						
Additional equipment is listed in the Farm Equipment and Trucks & Buses sections.						
	561, 571	4D	950		T4-4D	—
	572 – Optional	4D	950		T4-4D	—
	583	8D	1250		T4-8D	—
Asphalt Pavers						
2004-02	AP 1050 B	4D	950		T4-4D	—
2004-02	AP 1055 B	31T	950	{15}	T4-31+	T6-31
Back Hoe						
2004-02	(Center Pivot) 416 D	31T	950	{15}	T4-31+	T6-31

		O.E. CCA BCI @ NO. 0°F			Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
CATERPILLAR (Continued)						
Backhoe Loaders						
2011-06	416E, 420E, 430E	31T	950	{15}	T4-31+	T6-31
2011-06	446E, E Series	31T	950	{15}	T4-31+	T6-31
2007-02	446 D	31T	750	{15}	T4-31	T4-31+
2007-02	BG 240 C, BG 225 C	31T	950	{15}	T4-31+	T6-31
2007-02	BG 245 C, BG 260 C	31T	950	{15}	T4-31+	T6-31
2006-05	535B	31T	1000	{15}	T4-31+	—
2005-04	535B	31T	1000	{15}	T4-31+	—
2005-00	420 DIT, 430 DIT	31T	1000	{15}	T4-31+	—
2004-03	535B	31T	1000	{15}	T4-31+	—
2004-02	143 H	4D	950	{15}	T4-4D	—
2004-02	24 H	4D	1300	{15}	—	—
2004-02	301.6, 301.8	58	500		S3543B	—
2004-02	302.5	74	650		S4563B	S5563B
2004-02	303 CR, 304 CR	24	650		S5521B	S5564B
2004-02	305 CR, CB 224 E	24	650		S5521B	S5564B
2004-02	307 C SB, 308 C – CR	31T	750		T4-31	T4-31+
2004-02	311 C Utility	31T	900		T4-31+	T6-31
2004-02	312 C – L	31T	900		T4-31+	T6-31
2004-02	314 C – LRC, 533	31T	750		T4-31	T4-31+
2004-02	345 BL – Series 2 – VHO	4D	1300	{15}	—	—
2004-02	365 BL Series 2	4D	1300	{15}	—	—
2004-02	385 B, 385 BL	4D	1300	{15}	—	—
2004-02	416 D (Center Pivot)	31T	950	{15}	T4-31+	T6-31
2004-02	420 D, CB 334 E	31T	950		T4-31+	T6-31
2004-02	430 D, BG – 230	31T	950	{15}	T4-31+	T6-31
2004-02	5130 BME, 5230 B	4D	1300	{15}	—	—
2004-02	527	4D	1000	{15}	T4-4D	—
2004-02	563, 573, 583, 663	31T	750		T4-31	T4-31+
2004-02	683 E, 80G, CB 6340	31T	750		T4-31	T4-31+
2004-02	BG 2455 C	31T	950	{15}	T4-31+	T6-31
2004-02	CB 225 E	24	650		S5521B	S5564B
2004-02	CB 335 E, CB 434 D	31T	950		T4-31+	T6-31
2004-02	CB 534 D	31T	950		T4-31+	T6-31
2004-02	CB 534 D – XW	31T	950		T4-31+	T6-31
2004-02	CP 443 E, CP 553 E	31T	750		T4-31	T4-31+
2004-02	CP 563 E, CP443 E	31T	750		T4-31	T4-31+
2004-02	CP553 E, CP563 E	31T	750		T4-31	T4-31+
2004-02	CS 323 C, CS423 E	31T	750		T4-31	T4-31+
2004-02	CS433, CS433 E	31T	750		T4-31	T4-31+
2004-02	CS533 E, CS563 E	31T	750		T4-31	T4-31+
2004-02	CS573 E, CS583 E	31T	750		T4-31	T4-31+
2004-02	CS683 E	31T	750		T4-31	T4-31+
2004	330 C – L Large – 345 BL Series	4D	1300	{15}	—	—
2004	CP663 E, CS663 E	31T	750		T4-31	T4-31+
2003-02	535B	31T	1000	{15}	T4-31+	—
2002-01	535B	31T	1000	{15}	T4-31+	—
2001-00	535B	31T	1000	{15}	T4-31+	—
2000	535B	31T	1000	{15}	T4-31+	—
	416, 426, 428, 436	31P	700		T4-31P	T4-31P+
	428C, 436C, 438C	31P	750		T4-31P	T4-31P+
	438, 446, 446B	31P	700		T4-31P	T4-31P+
Global						
2004-02	12 H	31T	750	{15}	T4-31	T4-31+
2004-02	135 H, 14 H, 16 H	4D	950	{15}	T4-4D	—
2004-02	140 H	31T	700	{15}	T4-31	T4-31+
2004-02	160 H	4D	950	{15}	T4-4D	—
2004-02	163 H	4D	1300	{15}	—	—

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INDUSTRIAL CATERPILLAR

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		O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
YEAR	DESCRIPTION				Option 1	Option 2
CATERPILLAR (Continued)						
Coal						
2007-05	637 E Series 2	4D	1000	{15}	T4-4D	—
Cold Planers						
2007-05	PM 565 B	8D	1465	{15}	—	—
Compactors						
2013-04	825H, 826H	31T	750	{148}	T4-31	T4-31+
2007-05	815F	4D	1000	{15}	T4-4D	—
2007-05	825 G	31T	750	{148}	T4-31	T4-31+
2007-05	826 G Series 2	31T	750	{148}	T4-31	T4-31+
Elevating Scrapers						
2013-02	623G	31T	750	{15}	T4-31	T4-31+
Equipment						
2007-05	Large – 988 G	31T	750	{148}	T4-31	T4-31+
2007-05	Medium 320 C – L	31T	750	{15}	T4-31	T4-31+
2007-05	PF 300 B	31T	950	{15}	T4-31+	T6-31
2007-05	TT 14 G	31T	900		T4-31+	T6-31
2004-02	525 B	31T	1000	{15}	T4-31+	—
Excavators						
2008-05	315, 318, 320	31T	750	{15}	T4-31	T4-31+
2008-05	321 C – LCR, 322	31T	750	{15}	T4-31	T4-31+
2008-05	325, C – L	31T	750	{15}	T4-31	T4-31+
2008	325 D – L	31T	750	{15}	T4-31	T4-31+
2007-05	315 C – L, 318 C – L	31T	750	{15}	T4-31	T4-31+
2007-05	320 C – L, 322 C – L	31T	750	{15}	T4-31	T4-31+
2007-05	325 C – L	31T	750	{15}	T4-31	T4-31+
2007-05	IT 28G	31T	950	{15}	T4-31+	T6-31
2004-03	301.5	58	500		S3543B	—
2004-02	5130BME	4D	1300	{15}	—	—
2004-02	IT 38G Series 2	31T	950	{15}	T4-31+	T6-31
	205, 206	NA	395	{183}	—	—
	211, 212, 213, 214	NA	490	{183}	—	—
	215, 225 – Optional	29H	625	{15,163,166}	T4-31P	T4-31P+
		4D	950	{15,163,166}	T4-4D	—
	215, 225, 227, 229	2	660	{163,166,173}	—	—
	224	NA	490	{183}	—	—
	227, 229 – Optional	29H	625	{15,163,166}	T4-31P	T4-31P+
		4D	950	{15,163,166}	T4-4D	—
	231D	31P	750	{15,163,166}	T4-31P	T4-31P+
	235, 235D – Optional	8D	1250	{15,163,166}	T4-8D	—
	235, 235D, 245, 350	4D	1000	{15,163,166}	T4-4D	—
	235C, 5080, 5080FS	4D	1300	{15}	—	—
	245 – Optional	8D	1250	{15,163,166}	T4-8D	—
	245D, 375, 375L	8D	1250	{15,163,166}	T4-8D	—
	3, 307B, 307SB, 311	31P	750	{15}	T4-31P	T4-31P+
	311B, 312, 312B	31P	750	{15}	T4-31P	T4-31P+
	312BL, 315B, 315BL	31P	750	{15}	T4-31P	T4-31P+
	320, 320B, 320BL	31P	750	{15}	T4-31P	T4-31P+
	320L, 320N, 322B	31P	750	{15}	T4-31P	T4-31P+
	322BL, 5230	31P	750	{15}	T4-31P	T4-31P+
	350L, 5130	4D	1000	{15,163,166}	T4-4D	—
	5130BFS	4D	1300	{15}	—	—
E Series						
	E110, E120, E140	4D	950	{15,163,166}	T4-4D	—
	E110B, E120B, E240C	31P	750	{15,163,166}	T4-31P	T4-31P+
	E180, E200, E240	4D	950	{15,163,166}	T4-4D	—
	E300, E450	4D	950	{15,163,166}	T4-4D	—
	E650	8D	1250	{15,163,166}	T4-8D	—
	E70	29H	625	{15,163,166}	T4-31P	T4-31P+
	E70B, EL240C	31P	750	{15,163,166}	T4-31P	T4-31P+

		O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
YEAR	DESCRIPTION				Option 1	Option 2
CATERPILLAR (Continued)						
WHA						
2007-05	IT 28G WHA	31T	750	{15}	T4-31	T4-31+
2007-05	IT 38G WHA	31T	900	{15}	T4-31+	T6-31
Feller Bunchers						
2014-12	563C	31T	1000	{15}	T4-31+	—
2013	521B, 522B	31T	750	{15}	T4-31	T4-31+
2012-11	511	31T	750	{15}	T4-31	T4-31+
2012-11	551	31T	900	{15}	T4-31+	T6-31
2012-06	522	31T	750	{15}	T4-31	T4-31+
2012-06	553	31T	1000	{15}	T4-31+	—
2011-06	563, 573	31T	1000	{15}	T4-31+	—
2010-06	521, 532	31T	750	{15}	T4-31	T4-31+
2004-02	563, 573	31T	750		T4-31	T4-31+
	FB219	29H	625	{15,163,166}	T4-31P	T4-31P+
	FB508, FB518	31P	700	{15,163,166}	T4-31P	T4-31P+
	FB519	30H	625	{15,163,166}	T4-31P	T4-31P+
Forest Machines						
	325BLL, 330BLL, 539	31T	750	{15}	T4-31	T4-31+
	550, 554, 570, 574	31T	900	{15}	T4-31+	T6-31
	580	31T	900	{15}	T4-31+	T6-31
Forwarders						
2014-06	564	31T	1000	{15}	T4-31+	—
2011-06	574	31T	1000	{15}	T4-31+	—
	574	31T	900	{15}	T4-31+	T6-31
Integrated Tool Carriers						
2004-02	IT 62G 2	31T	950	{15}	T4-31+	T6-31
2004-02	Large – 963 C	31T	750	{15}	T4-31	T4-31+
	IT-12, IT-12F, IT-14	31P	700	{15,163,166}	T4-31P	T4-31P+
	IT-14F, IT-18F	31P	700	{15,163,166}	T4-31P	T4-31P+
	IT-14G, IT-24F	31T	950		T4-31+	T6-31
	IT-18, IT-20, IT-28	31P	750	{15,163,166}	T4-31P	T4-31P+
	IT-28F	31P	900	{15,163,166}	T4-31P+	T6-31P
	IT38G	31P	700	{15,163,166}	T4-31P	T4-31P+
Landfill & Soil Compactors						
2007-05	816F	4D	1000	{15}	T4-4D	—
	815F, 816	4D	950		T4-4D	—
	825G, 826G, 836	31T	750		T4-31	T4-31+
Large Mass Excavation						
2004-02	375 L – ME	4D	1300	{15}	—	—
Lift Trucks						
1986-80	540S – Early Model	2	660		—	—
1986-80	540S, 600S – Late Model	24	425		S3-24	S4-24
1986-80	600S – Early Model	2	660		—	—
1986-80	670S – Early Model	2	660		—	—
1986-80	670S – Late Model	24	425		S3-24	S4-24
	12RH, 16RH	60	405		S3-24(29)	S3-24F(29)
	350 From S.N. 350610037	24	425		S3-24	S4-24
	350 To S.N. 350610036	2	660		—	—
	350S, 351S, 391	24	425		S3-24	S4-24
	390 – After S/N 3905473	1	575		—	—
	390 – To S/N 3905472	2	660		—	—
	392S, 421, 422S, 461	24	425		S3-24	S4-24
	400P, 410, 411	2	660		—	—
	420 – Early Model	2	660		—	—
	420, 460 – Late Model	60	405		S3-24(29)	S3-24F(29)
	440, 441	2	660		—	—
	460, 480P – Early Model	2	660		—	—
	462S, 501, 502P	24	425		S3-24	S4-24
	480P, 500 – Late Model	60	405		S3-24(29)	S3-24F(29)
	500, 500P – Early Model	2	660		—	—

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INDUSTRIAL CATERPILLAR

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
CATERPILLAR (Continued)						
Lift Trucks (Continued)						
	500P – Late Model	60	405		S3-24(29)	S3-24F(29)
	502S	24	425		S3-24	S4-24
	510P – Early Model	24	425		S3-24	S4-24
	510P – Late Model	29H	625		T4-31P	T4-31P+
	540D, 600D, 670D	4D	950		T4-4D	—
	590S, 600, 601P	24	425		S3-24	S4-24
	680D	4D	950		T4-4D	—
	680P – Late Model	24	425		S3-24	S4-24
	680P, 900 – Early Model	2	660		—	—
	750S, 760P, 850S	24	425		S3-24	S4-24
	860P, 950S, 960S	24	425		S3-24	S4-24
	A-10, A-12, A-15	60	405		S3-24(29)	S3-24F(29)
	A-16, A-17, A-18	60	405		S3-24(29)	S3-24F(29)
	A-19, A-20, A-21	60	405		S3-24(29)	S3-24F(29)
	A-22, A-23, A-24	60	405		S3-24(29)	S3-24F(29)
	AH-40 thru AH-60 – IHC Eng	1	575		—	—
		8D	1250		T4-8D	—
	AM-25 – Early Model	60	405		S3-24(29)	S3-24F(29)
	AM-25 – Late Model	8D	1250		T4-8D	—
	AM-30 – Early Model, IHC Eng	1	575		—	—
	AM-30 – Late Model	60	405		S3-24(29)	S3-24F(29)
	AM-30 – Early Model	8D	1250		T4-8D	—
	AM-36 thru AM-60 – IHC Eng	1	575		—	—
		8D	1250		T4-8D	—
	AMP-25, B-10, B-12	60	405		S3-24(29)	S3-24F(29)
	B-10, B-12 – Optional	4D	950		T4-4D	—
		8D	1250		T4-8D	—
	B-15 thru B-25 – Optional	4D	950		T4-4D	—
		60	405		S3-24(29)	S3-24F(29)
		8D	1250		T4-8D	—
	BHF-16 thru BHF-20	8D	1250		T4-8D	—
	K-5, LT-35, LT-40	2	660		—	—
	L-200 – Ford Eng	60	405		S3-24(29)	S3-24F(29)
	L-200 – All other Eng	8D	1250		T4-8D	—
	LT-44, LT-46, LT-48	2	660		—	—
	LT-50, LT-53, LT-56	2	660		—	—
	LT-60, LT-62, LT-90	2	660		—	—
	LT-60D, LT-62D	7D	875		—	—
	RT80, V-50E	31P	750	{163,166}	T4-31P	T4-31P+
	T-100C, T-120C	24	425		S3-24	S4-24
	T-165, T-180, T-200	24	425		S3-24	S4-24
	T-220, T-221, T-25	24	425		S3-24	S4-24
	T-25D	22F	425		S3514B	S3560B
	T-30, T-40, T-50	24	425		S3-24	S4-24
	T-30B, T-35B, T-40B	29H	625		T4-31P	T4-31P+
	T-40D, V-25D – Gas	24	580		S4-24	S5507B
	T-40D, V-25D – Diesel	31P	700		T4-31P	T4-31P+
	T-40E, TC-60E	24	580	{163,166}	S4-24	S5507B
	T-45B, T-50B, T-55B	29H	625		T4-31P	T4-31P+
	T-50B, T-55B, T-60	24	425		S3-24	S4-24
	T-60B	29H	625		T4-31P	T4-31P+
	T-60B, T-60C, T-70C	24	425		S3-24	S4-24
	T-80C, T-90C, TC-30	24	425		S3-24	S4-24
	U-6, U-8, V-100	60	405		S3-24(29)	S3-24F(29)
	V-100, V-120 – Optional	4D	950		T4-4D	—
		8D	1250		T4-8D	—
	V-110C, V-135C	31P	750	{163,166,177}	T4-31P	T4-31P+

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
CATERPILLAR (Continued)						
Lift Trucks (Continued)						
	V-120, V-140, V-160	60	405		S3-24(29)	S3-24F(29)
	V-140, V-160 – Optional	4D	950		T4-4D	—
		8D	1250		T4-8D	—
	V-155C, V-165C	31P	750	{163,166,177}	T4-31P	T4-31P+
	V-1600FH, V-160V	8D	1250		T4-8D	—
	V-180 – Optional	8D	1250		T4-8D	—
	V-180, V-200 – Optional	4D	950		T4-4D	—
	V-180, V-200, V-225	60	405		S3-24(29)	S3-24F(29)
	V-1800FH, V-180B	8D	1250		T4-8D	—
	V-200 – Optional	8D	1250		T4-8D	—
	V-200B, V-200HF	8D	1250		T4-8D	—
	V-225 – Optional	8D	1250		T4-8D	—
	V-225, V-250 – Optional	4D	950		T4-4D	—
	V-225B, V-225HF	8D	1250		T4-8D	—
	V-225C, V-226C	8D	1250	{163,166}	T4-8D	—
	V-250 – Optional	8D	1250		T4-8D	—
	V-250, V-300	60	405		S3-24(29)	S3-24F(29)
	V-250B	8D	1250		T4-8D	—
	V-265C, V-300C	8D	1250	{163,166}	T4-8D	—
	V-30, V-30C – Optional	29H	625		T4-31P	T4-31P+
	V-30, V-30C, V-35C	24	425		S3-24	S4-24
	V-300 – Optional	8D	1250		T4-8D	—
	V-300, V-41 – Optional	4D	950		T4-4D	—
	V-300B	8D	1250		T4-8D	—
	V-330C	8D	1250	{163,166}	T4-8D	—
	V-35C, V-40 – Optional	29H	625		T4-31P	T4-31P+
	V-40, V-40C, V-41	24	425		S3-24	S4-24
	V-40C, V-41 – Optional	29H	625		T4-31P	T4-31P+
	V-40D, VC-60D – Gas	24	580		S4-24	S5507B
	V-40D, VC-60D – Diesel	31P	700		T4-31P	T4-31P+
	V-41, V-41B – Optional	2	660		—	—
	V-41B, V-45C – Optional	29H	625		T4-31P	T4-31P+
		4D	950		T4-4D	—
	V-41B, V-45C, V-50	24	425		S3-24	S4-24
	V-45C, V-50 – Optional	2	660		—	—
	V-50, V-50C – Optional	29H	625		T4-31P	T4-31P+
		4D	950		T4-4D	—
	V-50C, V-51 – Optional	2	660		—	—
	V-50C, V-51, V-51B	24	425		S3-24	S4-24
	V-51, V-51B – Optional	29H	625		T4-31P	T4-31P+
		4D	950		T4-4D	—
	V-51B, V-55B – Optional	2	660		—	—
	V-55B, V-60 – Optional	29H	625		T4-31P	T4-31P+
		4D	950		T4-4D	—
	V-55B, V-60, V-60B	24	425		S3-24	S4-24
	V-60, V-60B – Optional	2	660		—	—
	V-60B – Optional	29H	625		T4-31P	T4-31P+
		4D	950		T4-4D	—
	V-60D, V-70D, V-80D	29H	625		T4-31P	T4-31P+
	V40E, VC-60E	31P	700	{163,166}	T4-31P	T4-31P+
Load Haul Dump						
	R1600	4D	1300		—	—
	R2900	8D	1250		T4-8D	—
Log Loaders Trailer Mounted						
	2014-06 529	8D	1150	{15}	T4-8D	—
	2013 559C	8D	1150	{15}	T4-8D	—
	2012-10 559B	8D	1150	{15}	T4-8D	—
	2012-06 519	31T	1000	{15}	T4-31+	—
	2012-06 559, 569, 579	8D	1150	{15}	T4-8D	—

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INDUSTRIAL CATERPILLAR

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		O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
YEAR	DESCRIPTION				Option 1	Option 2
CATERPILLAR (Continued)						
Log Shredders						
2004-03	M315 C	31T	750		T4-31	T4-31+
2004-03	Medium – 953 C	31T	750		T4-31	T4-31+
2004-02	316, 318, 322, 953 C	31T	750		T4-31	T4-31+
2004-02	517, M316 C, M318 C	31T	750	{15}	T4-31	T4-31+
2004-02	M315	31T	750		T4-31	T4-31+
2004-02	M322 C	31T	750	{15}	T4-31	T4-31+
Log Skidders						
	508	31P	700	{15,163,166}	T4-31P	T4-31P+
	518	2	660	{163,166,173}	—	—
	518 – Optional	29H	625	{15,163,166}	T4-31P	T4-31P+
		31P	750	{15,163,166}	T4-31P	T4-31P+
		4D	950	{15,163,166}	T4-4D	—
	518C	31P	750	{15,163,166}	T4-31P	T4-31P+
	528, 530B – Optional	31P	700	{15,163,166}	T4-31P	T4-31P+
		4D	950	{15,163,166}	T4-4D	—
Motor Graders						
2014-11	140M2 – All wheel drive	31T	700	{15}	T4-31	T4-31+
2014-11	160M2 – All wheel drive	4D	950	{15}	T4-4D	—
2013-12	12M2	31T	700	{15}	T4-31	T4-31+
2013-12	12M2 – All wheel drive	31T	700	{15}	T4-31	T4-31+
2013-11	140M2	31T	700	{15}	T4-31	T4-31+
2013-11	160M2	4D	950	{15}	T4-4D	—
2013-10	14M	4D	950	{15}	T4-4D	—
2012-10	12M	31T	700	{15}	T4-31	T4-31+
2012-07	120M, 160M	4D	950	{15}	T4-4D	—
2012-07	140M	31T	700	{15}	T4-31	T4-31+
2012-07	140M – All wheel drive	31T	700	{15}	T4-31	T4-31+
2012-07	160M – All wheel drive	4D	950	{15}	T4-4D	—
2010-07	120M – All wheel drive	4D	950	{15}	T4-4D	—
2010-07	16M Mining	24	425	{15}	S3-24	S4-24
2010-07	16M Mining – Optional	4D	950		T4-4D	—
2004-03	773E	4D	1400	{15}	—	—
2004-03	AP1000B, AP650B	31T	950	{15}	T4-31+	T6-31
2004-03	AP655C, AP800C	31T	950	{15}	T4-31+	T6-31
2004-03	AP900B	31T	950	{15}	T4-31+	T6-31
2004-02	16H, 773, 775 E	4D	1400	{15}	—	—
2004-02	24H, 775, 775 D	4D	1300	{15}	—	—
2004-02	777 D	4D	1300	{15}	—	—
2004-02	789, AP 650, AP 655	31T	950	{15}	T4-31+	T6-31
2004-02	797B, 973C	8D	1500	{15}	—	—
2004-02	AP 800 C, AP 900 B	31T	950	{15}	T4-31+	T6-31
2004-00	AP 1000 B	31T	950	{15}	T4-31+	T6-31
	112	4D	950	{164,165}	T4-4D	—
	112, 12, 212	2	660	{164,172}	—	—
	112, 14	4D	950	{15,163}	T4-4D	—
	12	29H	625	{15,163,166}	T4-31P	T4-31P+
		4D	950	{163,165}	T4-4D	—
	120, 130	4D	950	{15,163,166}	T4-4D	—
	120, 130, 140	29H	625	{15,163,165}	T4-31P	T4-31P+
	120H, 140H	31P	700	{15,163,166}	T4-31P	T4-31P+
	12G, 12H	31P	700	{163,166,179}	T4-31P	T4-31P+
	135H, 143H, 14H	4D	950	{15}	T4-4D	—
	14	2	660	{164,172,173}	—	—
		24	425	{164,165}	S3-24	S4-24
	140	2	660	{163,172,173}	—	—
		4D	950	{15,163,165}	T4-4D	—
	16	24	425	{164}	S3-24	S4-24
	16 – Optional	4D	950	{15,164}	T4-4D	—
		8D	1250	{15,164}	T4-8D	—

		O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
YEAR	DESCRIPTION				Option 1	Option 2
CATERPILLAR (Continued)						
Motor Graders (Continued)						
	160H	4D	950	{15}	T4-4D	—
	212	3EE	400	{163,165}	S4535B{31}	—
Global						
2004-02	120 H	31T	700	{15}	T4-31	T4-31+
2004-02	143 H – All wheel drive	4D	950		T4-4D	—
Off Highway Trucks & Tractors						
2007-05	793C X Q	31T	950	{15}	T4-31+	T6-31
2007-05	Small – 924 G	31T	900		T4-31+	T6-31
2007-02	769D	4D	950	{15}	T4-4D	—
2004-03	Quarry – 771 D	8D	1250	{15}	T4-8D	—
2004-02	785C, 789C, 793C	31T	950	{15}	T4-31+	T6-31
2004-02	PS 150 B, PS 200 B	31T	750	{15}	T4-31	T4-31+
2004-02	PS 300 B, PS 360 B	31T	750	{15}	T4-31	T4-31+
2004-02	Small – 307 C	31T	750		T4-31	T4-31+
1995-91	D300C, D350C	4D	NA		—	—
	768, 771C, 772, 773	8D	1250	{15,163,166}	T4-8D	—
	769	24	425	{168}	S3-24	S4-24
		4D	900	{15,163,166}	T4-4D	—
	769 – Optional	8D	1250	{15}	T4-8D	—
	771D, 773D	8D	1250	{15}	T4-8D	—
	775 D, 776D, 777D	4D	1300	{15}	—	—
	775B, 777	4D	1000	{15,163,166}	T4-4D	—
	775B, 777 – Optional	8D	1250	{15}	T4-8D	—
	776, 777C, D44B	8D	1250	{15,163,166}	T4-8D	—
	784D	31T	950	{15}	T4-31+	T6-31
	785, 793	31P	700	{147,168}	T4-31P	T4-31P+
	785B, 789B, 793B	31P	750	{15,163,166}	T4-31P	T4-31P+
	D–25, D–30C, D–35CHD	4D	950	{15}	T4-4D	—
	D–275, D–300, D–330	4D	950	{15,163,166}	T4-4D	—
	D–350, D–400, D250B	4D	950	{15,163,166}	T4-4D	—
	D22	4D	950	{15}	T4-4D	—
	D550	8D	1250	{15,163,166}	T4-8D	—
Open Bowl Equipment						
2007-05	621 G	8D	1250	{15}	T4-8D	—
Paving Products						
2004-03	AP1050 B	4D	950		T4-4D	—
2004-03	AP1055 B	31T	950	{15}	T4-31+	T6-31
2004-02	CS323	31T	750		T4-31	T4-31+
2003	CS431	4D	950		T4-4D	—
2002	CS431C	31T	750	{147}	T4-31	T4-31+
	836	31P	750	{163,166,173}	T4-31P	T4-31P+
	AP1000, AP1200	4D	950	{163,166}	T4-4D	—
	AP1000B, AP1050B	31T	950	{15}	T4-31+	T6-31
	AP1050	4D	950	{163,165}	T4-4D	—
	AP1055, AP650	31T	950	{15}	T4-31+	T6-31
	AP1100, PR105, SF175	24	425		S3-24	S4-24
	AP200, CB314, PR75	27	650		S4-27	S5515B
	AP800, ER1000	4D	950	{163,166}	T4-4D	—
	AP800C, BG220, BG225	31T	950	{15}	T4-31+	T6-31
	BG230, BG240, BG245	31T	950	{15}	T4-31+	T6-31
	BG260, BG265, BG270	31T	950	{15}	T4-31+	T6-31
	BG7	31T	950	{15}	T4-31+	T6-31
	CB–335D, CB–434C	31P	750	{147,163,166}	T4-31P	T4-31P+
	CB–534C, CB–634C	31P	750	{147,163,166}	T4-31P	T4-31P+
	CB214, CB224, CB534	27F	650	{163,165}	S4-27F	S5516B
	CB214C, CB224C	31P	750	{147,163,166}	T4-31P	T4-31P+
	CB334D	31P	750	{147,163,166}	T4-31P	T4-31P+
	CB414, PS110, PS130	29H	625		T4-31P	T4-31P+
	CB424, CB624	49	730	{163,165}	S5533B	S6588B

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INDUSTRIAL CATERPILLAR

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		O.E. CCA BCI @ NO. 0°F				Replacement Options	
YEAR	DESCRIPTION				Notes	Option 1	Option 2
CATERPILLAR (Continued)							
Paving Products (Continued)							
	CB434	31P	700	{15,163,166}		T4-31P	T4-31P+
	CB514, CP323, CP433	4D	950			T4-4D	—
	CB534, CB614, CP643	4D	950	{15,163,166}		T4-4D	—
	CB534B, CS563, CS583	31P	750	{163,166}		T4-31P	T4-31P+
	CB614, PF500	27F	650	{163,165}		S4-27F	S5516B
	CB634, CP533, CP563	31P	750	{15,163,166}		T4-31P	T4-31P+
	CP323C, CP433C	31T	750	{147}		T4-31	T4-31+
	CP533, CS443, CS551	4D	950			T4-4D	—
	CP653, CS643, CS653	4D	950	{15,163,166}		T4-4D	—
	CS323C, CS433C	31T	750	{147}		T4-31	T4-31+
	CS433B, CS531, CS533	31P	750	{15,163,166}		T4-31P	T4-31P+
	CS553	4D	950			T4-4D	—
	CS563	31P	750	{15,163,166}		T4-31P	T4-31P+
	CS563C, CS583C	31T	750	{147}		T4-31	T4-31+
	PF300, PS300	49	730	{15,163,166}		S5533B	S6588B
	PF300B, PF360B	31T	750	{147}		T4-31	T4-31+
	PM465, RM350B	4D	950	{15}		T4-4D	—
	PM800, PR-1000	8D	1250	{15}		T4-8D	—
	PR-450, PR-450C	8D	1250	{15}		T4-8D	—
	PR-565B, PR-750B	8D	1250	{15}		T4-8D	—
	PR250, RR250	4D	900	{147}		T4-4D	—
	PR275, PST300, RL200	8D	1250	{15}		T4-8D	—
	PR750, TSF54, TSM54	27	650			S4-27	S5515B
	PS150B, PS200B	31T	750	{147}		T4-31	T4-31+
	PS180	29H	625			T4-31P	T4-31P+
	PS300B	31T	750	{147}		T4-31	T4-31+
	RR250B, SM350, SS250	4D	950	{15}		T4-4D	—
	SF-350, SF-400	8D	1250	{147}		T4-8D	—
	SF-450, SF-500	8D	1250	{147}		T4-8D	—
	SF-550, SF-750	8D	1250	{147}		T4-8D	—
	SF250	8D	1250	{147}		T4-8D	—
	SS250B	4D	950	{15}		T4-4D	—
	TC250, TF250, TR250	24	425			S3-24	S4-24
	TR500, TS500, TST300	8D	1250	{15}		T4-8D	—
	TS250, WE601B	24	425			S3-24	S4-24
	WE851B	24	425			S3-24	S4-24
Pipelayers							
	561, 571	2	660	{163,172,173}		—	—
		4D	950	{15,163}		T4-4D	—
	561, 571, 572, 583	24	425	{164,165}		S3-24	S4-24
	561M, 583	31T	750	{15}		T4-31	T4-31+
	572	2	660	{164,172}		—	—
	572R	4D	950	{15}		T4-4D	—
	578	4D	950	{15,164,166}		T4-4D	—
	578 – Optional	8D	1250	{15}		T4-8D	—
	583, 594	2	425	{164,172,173}		—	—
		8D	1250	{15,163}		T4-8D	—
	589	4D	950	{15,163,166}		T4-4D	—
	591	8D	1250	{163,166,173}		T4-8D	—
	594	24	425	{164,165}		S3-24	S4-24
Rigid Haul Trucks							
	2014-06 770	8D	1250	{15}		T4-8D	—
Scrapers							
	2013-03 627G, 631G	31T	750	{15}		T4-31	T4-31+
	2013-02 637G	31T	950	{15}		T4-31+	T6-31
	2007-05 613C Series 2	31T	750	{15}		T4-31	T4-31+
	2007-05 615C Series 2, 623G	31T	750	{15}		T4-31	T4-31+
	2007-05 651E	8D	1400	{15}		T4-8D	—
	2007-05 657E	8D	1250	{15}		T4-8D	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
CATERPILLAR (Continued)						
Scrapers (Continued)						
2007-05	657E – Optional	8D	1400	{15}	T4-8D	—
Skid Steer						
2013-10	216B Series 3	24	650		S4-24	S5507B
2013-10	236B Series 3	24	650		S4-24	S5507B
2010-07	216B Series 2	24	650		S4-24	S5507B
2010-07	226B Series 2	24	650		S4-24	S5507B
2010-07	232B Series 2	24	650		S4-24	S5507B
2010-07	236B Series 2	24	650		S4-24	S5507B
2010-07	242B Series 2	24	650		S4-24	S5507B
	216, 226, 228, 236	24	650		S5521B	S5564B
	246, 248	24	650		S5521B	S5564B
Telescopic Handlers						
	TH103, TH62, TH63	31T	750	{147}	T4-31	T4-31+
	TH82, TH83	31T	750	{147}	T4-31	T4-31+
Track Loaders						
2004-02	939 C – Hyslat	31T	900		T4-31+	T6-31
Track and Wheeled Material Handlers						
	320BMH, 325BMH	31T	750		T4-31	T4-31+
	330BMH, 345BMH	31T	750		T4-31	T4-31+
	350MH	31T	750		T4-31	T4-31+
	375MH	8D	1250		T4-8D	—
Track-Type Tractors						
	D10R, D9R	4D	1300	{148,163,166}	—	—
	D11R	4D	1300	{173}	—	—
	D2	2	660	{172,179}	—	—
		3EE	400	{15,165}	S4535B{31}	—
	D3, D4B	4D	950	{163,165}	T4-4D	—
	D3C	31P	900	{147,163,166}	T4-31P+	T6-31P
	D4, D5, D6	29H	625	{15,163,166}	T4-31P	T4-31P+
		4D	950	{15,163,165}	T4-4D	—
	D4, D5, D6, D7, D8	24	425	{164,165}	S3-24	S4-24
	D4, D6	2	660	{163,172,173}	—	—
	D4, D6, D7, D8, D9	2	660	{164,172}	—	—
	D4B – Optional	8D	1250		T4-8D	—
	D4C	31P	950	{15,163,166}	T4-31P+	T6-31P
	D4H, D4HXL	31P	700	{15,163,166}	T4-31P	T4-31P+
	D5C	31P	900	{15}	T4-31P+	T6-31P
	D5H, D5HXL, D6D, D6H	31P	750	{15,163,166}	T4-31P	T4-31P+
	D5M, D6G, D6M, D6R	31T	750	{15}	T4-31	T4-31+
	D6D, D6H – Optional	4D	950	{15}	T4-4D	—
	D6HXL, D6HXR	31P	750	{15,163,166}	T4-31P	T4-31P+
	D7, D8	4D	950	{15,163}	T4-4D	—
	D7, D8, D9	8D	1250	{15,163}	T4-8D	—
	D7G, D7H – Optional	31P	750	{15}	T4-31P	T4-31P+
		8D	1250	{15}	T4-8D	—
	D7G, D7H, D7R, D8L	4D	950	{148,163,166}	T4-4D	—
	D7R, D8L – Optional	31P	750	{15}	T4-31P	T4-31P+
		8D	1250	{15}	T4-8D	—
	D8N – Optional	31P	750	{15}	T4-31P	T4-31P+
		8D	1250	{15}	T4-8D	—
	D8N, D9L, D9N	4D	950	{148,163,166}	T4-4D	—
	D8R	31T	750	{173}	T4-31	T4-31+
	D9	24	425	{164,165}	S3-24	S4-24
	D9L, D9N – Optional	8D	1250	{148}	T4-8D	—
	Older Models Electric Start	3EE	400	{15}	S4535B{31}	—
Tractor/Loader/Backhoes						
2011-06	420E IT, 430E IT	31T	950	{15}	T4-31+	T6-31
2005-00	430D	31T	950	{15}	T4-31+	T6-31

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL CATERPILLAR

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

		O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
YEAR	DESCRIPTION				Option 1	Option 2
CATERPILLAR (Continued)						
Vibrating Asphalt						
2004-02	CB 214 E	24	650		S5521B	S5564B
Vibratory Soil						
2004-02	CP323 C	31T	750		T4-31	T4-31+
Waste Handling						
2007-05	938 G Series 2	31T	950	{15}	T4-31+	T6-31
WHA						
2008-05	953C, 963C	31T	950	{15}	T4-31+	T6-31
2008-05	973C	4D	1000		T4-4D	—
2007-05	924GZ	31T	750	{15}	T4-31	T4-31+
2007-05	928G, 938G, 950G	31T	1000	{15}	T4-31+	—
2007-05	950G, 966, 966G	31T	900	{15}	T4-31+	T6-31
2007-05	966G	31T	1000	{15}	T4-31+	—
Wheel & Track Skidders						
	527, 637E	4D	950	{15}	T4-4D	—
	631E, 633E	31T	750	{173}	T4-31	T4-31+
	651E, 657(S)	8D	1250	{15}	T4-8D	—
	657E(T)	8D	1250	{15}	T4-8D	—
Wheel & Track-Type Loaders & Dozers						
2008-07	H Series	31T	750	{15}	T4-31	T4-31+
2008-05	972 G	31T	1000	{15}	T4-31+	—
2008-05	972 H Series 2	31T	1000	{15}	T4-31+	—
2008-05	980 G	31T	750	{15}	T4-31	T4-31+
2008-05	980 H Series 2	31T	750	{15}	T4-31	T4-31+
2008-05	990 Series 2, 992 G	4D	1125	{15}	—	—
2007-05	902 – Compact	31T	750		T4-31	T4-31+
2007-05	972 G Series 2	31T	1000	{15}	T4-31+	—
2007-05	994 D	8D	1500	{15}	—	—
2007-05	M313 C	31T	750	{15}	T4-31	T4-31+
2004-02	973 C	8D	1500	{15}	—	—
2003-02	966G, 972G, 980G	31T	900		T4-31+	T6-31
	814F, 834B	4D	950	{15}	T4-4D	—
	824G	31T	750	{173}	T4-31	T4-31+
	844, 854G	4D	1300	{15}	—	—
	900	4D	1000	{163,166,173}	T4-4D	—
	910	31P	700	{163,166}	T4-31P	T4-31P+
	910, 931 – Optional	8D	1250		T4-8D	—
	910, 931, 935	4D	950	{163,165}	T4-4D	—
	910F, 916, 918F	31P	750	{15,163,166}	T4-31P	T4-31P+
	920, 943, 944, 944A	29H	625	{15,163,166}	T4-31P	T4-31P+
	920, 944, 944A, 950	4D	950	{15,163,165}	T4-4D	—
	920, 951	2	660	{163,172,173}	—	—
	922, 930	24	425	{163,165}	S3-24	S4-24
	922, 930, 944, 944A	2	660	{148,163,172}	—	—
	926, 936, 936F	31P	700	{15,163,166}	T4-31P	T4-31P+
	933, 944, 944A, 950	24	425	{164,165}	S3-24	S4-24
	933, 955, 977, 980	2	660	{164,172}	—	—
	933C, 939C	31T	900		T4-31+	T6-31
	935 – Optional	8D	1250		T4-8D	—
	936, 936F – Optional	4D	1000	{15}	T4-4D	—
	941	2	660	{15,163,172}	—	—
	943, 953 – Optional	31P	700	{15}	T4-31P	T4-31P+
		4D	950	{15}	T4-4D	—
	944, 944A – Optional	31P	700	{148}	T4-31P	T4-31P+
	950, 953	29H	625	{15,163,166}	T4-31P	T4-31P+
	950, 955, 977, 980	2	660	{148,163,172}	—	—
	950, 966 – Optional	31P	700	{148}	T4-31P	T4-31P+
	950F, 966F, 970F	4D	1000	{147,163,166}	T4-4D	—
	950F, 980F – Optional	31P	750	{15}	T4-31P	T4-31P+
	953C, 963C	31T	760	{15}	T4-31+	T6-31

		O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
YEAR	DESCRIPTION				Option 1	Option 2
CATERPILLAR (Continued)						
Wheel & Track-Type Loaders & Dozers (Continued)						
	953D	31P	750	{15,163,166}	T4-31P	T4-31P+
	955, 966, 977, 980	24	425	{164,165}	S3-24	S4-24
	955, 977, 980	4D	950	{15,163}	T4-4D	—
	960F, 963 – Optional	31P	700	{15}	T4-31P	T4-31P+
	960F, 963, 980F, 983	4D	1000	{15,163,166}	T4-4D	—
	966	2	660	{163,166,173}	—	—
	966 – Optional	4D	950	{15}	T4-4D	—
	966, 977 – Optional	8D	1250	{15}	T4-8D	—
	973	4D	1000	{147,163,166}	T4-4D	—
	977	4D	950		T4-4D	—
	980, 988 – Optional	8D	1250	{15}	T4-8D	—
	980F, 983 – Optional	8D	1250	{173}	T4-8D	—
	983 – Optional	31P	750	{15}	T4-31P	T4-31P+
	988	24	425	{164,165}	S3-24	S4-24
		4D	950	{15,163,166}	T4-4D	—
	988F, 992D	31P	750	{163,166,173}	T4-31P	T4-31P+
	992, 994	8D	1250	{148,168,166}	T4-8D	—
Wheel Loaders						
2008-07	962, 966 H Series 2	4D	1000	{15}	T4-4D	—
2008-05	906	31T	750		T4-31	T4-31+
2008-05	908, 914 G	31T	900		T4-31+	T6-31
2008-05	950	4D	1000	{15}	T4-4D	—
2007-05	950 G Series 2, 960	4D	1000	{15}	T4-4D	—
2007-05	962 G Series 2	4D	1000	{15}	T4-4D	—
2007-05	966 G Series 2	4D	1000	{15}	T4-4D	—
2007-02	924 G, 928 G	31T	900		T4-31+	T6-31
2007	950 H Series 2	4D	1000	{15}	T4-4D	—
2007	962 H Series 2	4D	1000	{15}	T4-4D	—
Wheel Tractor Scrapers						
	613	2	660	{163,172,173}	—	—
		29H	625	{15,163,166}	T4-31P	T4-31P+
	613, 615 – Optional	31P	700	{15}	T4-31P	T4-31P+
	613, 619 – Optional	4D	950	{15}	T4-4D	—
	615	4D	900	{15,163,165}	T4-4D	—
	615C, 621F, 630, 631	31P	750	{163,166,179}	T4-31P	T4-31P+
	619	2	660	{163,166,173}	—	—
	619, 621	24	425	{164,165}	S3-24	S4-24
	621, 623 – Optional	31P	700	{15}	T4-31P	T4-31P+
		8D	1250	{15}	T4-8D	—
	621, 623, 627, 633	4D	950	{15,163,166}	T4-4D	—
	623F, 627F	31P	750	{163,166,173}	T4-31P	T4-31P+
	627, 633 – Optional	31P	700	{15}	T4-31P	T4-31P+
		8D	1250	{15}	T4-8D	—
	630, 631, 632, 641	24	425	{147}	S3-24	S4-24
		8D	1250	{15,163,166}	T4-8D	—
	632, 641, 650, 651	31P	750	{163,166,179}	T4-31P	T4-31P+
	637, 639 – Optional	31P	700	{15}	T4-31P	T4-31P+
		4D	950	{15,163,166}	T4-4D	—
		8D	1250	{15}	T4-8D	—
	650, 651, 657	24	425	{147}	S3-24	S4-24
		8D	1250	{15,163,166}	T4-8D	—
	657, 660, 666	31P	750	{163,166,179}	T4-31P	T4-31P+
	660, 666	24	425	{147,164,165}	S3-24	S4-24
	660, 666 – Optional	8D	1250	{15}	T4-8D	—
	776C – 24-volt	8D	1250	{15,163,166}	T4-8D	—
	784B – 24-volt	31P	750	{15,163,166}	T4-31P	T4-31P+

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL CEDARAPIDS, INC. — CHICAGO PNEUMATIC

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
CEDARAPIDS, INC.						
Prior to 1967, see IOWA MANUFACTURING CO.						
Cold Planers						
1986-84	1900C	8D	925	{15}	T4-8D	T4-4D
Crushing & Screening						
1986-70	544 Commander, 766	8D	975	{15}	T4-8D	T4-4D
1986-70	877, Commander III	8D	975	{15}	T4-8D	T4-4D
Industrial						
1986	RG200	8D	975		T4-8D	T4-4D
1985-83	RG170	8D	975		T4-8D	T4-4D
1982-80	RG140	8D	975		T4-8D	T4-4D
1979	Regent Sport	8D	975		T4-8D	T4-4D
1978	Regent Pro	8D	975		T4-8D	T4-4D
1977-76	HK-60	8D	975		T4-8D	T4-4D
Pavers						
2000-97	CR-361, CR-451	31T	800	{15}	T4-31+	T6-31
2000-97	CR-461, CR-551	31T	800	{15}	T4-31+	T6-31
2000-97	CR-561	31T	800	{15}	T4-31+	T6-31
1997-88	CR-351, CR-361	5D	850	{15}	—	—
1997-88	CR-451, CR-461	5D	850	{15}	—	—
1997-88	CR-551, CR-561	5D	850	{15}	—	—
1986-81	BSF-330	30H	580		T4-31P	T4-31P+
1986-72	BSF-2, BSF-2H, BSF-4	5D	820	{15}	—	—
1986-72	BSF-400, BSF-420	5D	820	{15}	—	—
1986-72	BSF-431, BSF-520	5D	820	{15}	—	—
1986-72	BSF-521, BSF-530	5D	820	{15}	—	—
1986-72	BSF-531, BSF-541	5D	820	{15}	—	—
1986-72	BSF-62	5D	820	{15}	—	—
Portable Coal Plant						
1986-78	30SP	8D	975	{15}	T4-8D	T4-4D
Primary						
1985-75	2236, 2248, 2442	8D	975	{15}	T4-8D	T4-4D
1985-75	2742, 3042, 3242	8D	975	{15}	T4-8D	T4-4D
1985-75	3648, 4248	8D	975	{15}	T4-8D	T4-4D
Rollers						
1985-76	CR2-88, CT-68, DF-20	5D	820	{15}	—	—
1985-76	DF-30	5D	820	{15}	—	—
S.I. Breaker (Fla. Special) & VGF Portables						
1986-70	3633, 4336, 4340	8D	975	{15}	T4-8D	T4-4D
1986-70	5348	8D	975	{15}	T4-8D	T4-4D
2000-97	CR-375	21	400	{15}	S3513B	S4512B(32)
CHAIN BELT						
Pavers						
1963-47	All	4D	805		T4-4D	—
Pumps						
1967-54	160S, 200D, 200S	1	580	{147}	—	—
1967-54	4 LSW, 40MW	1	580	{147}	—	—
1967-53	4 HW, 4 LW, 6 LW	2E	685		—	—
1967-53	90M	2E	685		—	—
1967	4 LD, LSW	29NF	290		—	—
1966-56	4 LD, 6 LD	4D	790		T4-4D	—
Rollers						
1967-66	Rex Pac (All Pneumatic)	29NF	290		—	—
Pull Type						
1967	Vibratory Pull Type	29NF	290		—	—
Stabilizers						
1967-65	Mobile Hydro. Hammer	29NF	290	{179}	—	—
1967-65	Rex Pactor 340	29NF	290	{179}	—	—
1967-63	DMS, HDMS, PTOMS	29NF	290	{173}	—	—
1967-63	SPDMS	29NF	290	{173}	—	—
1967-56	D-47, DS-47, G7W	4	760	{15}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
CHAIN BELT (Continued)						
Stabilizers (Continued)						
1967-56	GS7, HSPS, PTS	4	760	{15}	—	—
1967	Rex Pactor 3–30	4D	790		T4-4D	—
Steel Wheel Rollers						
1967-63	10 – Diesel, Rex Roll	27F	380		S4-27F	S5516B
1967-63	12 – Diesel, Rex Roll	27F	380		S4-27F	S5516B
1967-63	14 – Diesel, Rex Roll	27F	380		S4-27F	S5516B
1967-63	8 – Diesel, Rex Roll	27F	380		S4-27F	S5516B
1967-60	10, 12, 14 – Rex Roll	29NF	290		—	—
1967-60	5, 6, 8 – Rex Roll	29NF	290		—	—
CHAMP CORPORATION						
Forklift						
1987-78	CB100, CB120 – Optional	30H	545	{15}	T4-31P	T4-31P+
1987-78	CB100, CB120, CB606	24	285		S3-24	S4-24
1987-78	CB606, CB607 – Optional	30H	545	{15}	T4-31P	T4-31P+
1987-78	CB607, CB608	24	285		S3-24	S4-24
1987-78	CB608 – Optional	30H	545	{15}	T4-31P	T4-31P+
1987-75	C44–60	24	285		S3-24	S4-24
1987-75	C44–60 – Optional	30H	545	{15}	T4-31P	T4-31P+
1987-70	350, 530 – Optional	30H	545	{15}	T4-31P	T4-31P+
1987-70	350, 530, 530–70	24	280		S3-24	S4-24
1987-70	530–70, CB40 – Optional	30H	545	{15}	T4-31P	T4-31P+
1987-70	CB40, CB40S, CB50	24	285		S3-24	S4-24
1987-70	CB40S, CB50 – Optional	30H	545	{15}	T4-31P	T4-31P+
1987-70	CB50S, CB70 – Optional	30H	545	{15}	T4-31P	T4-31P+
1987-70	CB50S, CB70, CB80	24	285		S3-24	S4-24
1987-70	CB80, CR50 – Optional	30H	545	{15}	T4-31P	T4-31P+
1987-70	CR50, CR60, CRL60	24	280		S3-24	S4-24
1987-70	CR60, CRL60 – Optional	30H	545	{15}	T4-31P	T4-31P+
1987-70	CRL80–37, VP1070	30H	545	{147}	T4-31P	T4-31P+
1987-70	Charger	24	285		S3-24	S4-24
1987-70	Charger – Optional	30H	545	{15}	T4-31P	T4-31P+
1987-70	HL800	24	280		S3-24	S4-24
1987-70	HL800 – Optional	30H	545	{15}	T4-31P	T4-31P+
1987-70	VP150, VP180, VP200	30H	545	{147}	T4-31P	T4-31P+
1987-70	VP840	30H	545	{147}	T4-31P	T4-31P+
1978-60	350HLD, CB Series	24	285		S3-24	S4-24
1978-60	CY Series, FY Series	24	285		S3-24	S4-24
1978-60	SK Series, TL Series	24	285		S3-24	S4-24
1974-71	1070HLP, 640HLP	24	285		S3-24	S4-24
1974-71	6425R, 860HLP	24	285		S3-24	S4-24
1967-60	All	24	285		S3-24	S4-24
CHICAGO PNEUMATIC						
Portable Air Compressors						
1978-69	175RO–1, 185DZ–1	30H	380	{147}	T4-31P	T4-31P+
1978-69	185GZ–1	30H	380	{147}	T4-31P	T4-31P+
1978-59	75PG–20, 85RG–1	24	425		S3-24	S4-24
1978-59	85RGH–1	24	425		S3-24	S4-24
1978-58	1200RSO–1	8D	935	{147}	T4-8D	T4-4D
1978-58	1200RSOH–1, 365RO–2	8D	935	{147}	T4-8D	T4-4D
1978-58	600RO–2, 600RSO–1	8D	935	{147}	T4-8D	T4-4D
1978-58	750RSO–1, 900RO–2	8D	935	{147}	T4-8D	T4-4D
1974-69	150RG–2 – Compact	24	280		S3-24	S4-24
1974-69	160RG–1, 175RG–1	24	280		S3-24	S4-24
1974-69	175RGH–1	24	280		S3-24	S4-24
1973-61	125RO–1 – Compact	30H	380	{147}	T4-31P	T4-31P+
1973-61	125RO–2 – Compact	30H	380	{147}	T4-31P	T4-31P+
1973-54	210RO–2, 250RO–2	8D	935		T4-8D	T4-4D
1973-54	365RO–2	8D	935		T4-8D	T4-4D

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL CHICAGO PNEUMATIC — CLARK

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
CHICAGO PNEUMATIC (Continued)						
Portable Air Compressors (Continued)						
1972-59	125RG-1 – Compact	24	315		S3-24	S4-24
1972-59	125RG-2 – Compact	24	315		S3-24	S4-24
1972-59	210RG-2, 250RG-2	24	280		S3-24	S4-24
1972-58	125RO-2	4	655	{15}	—	—
1967-66	160RO-1	8D	1000		T4-8D	T4-4D
CLARK						
Crawler Cranes						
1956-48	All	4	790	{147}	—	—
Dozers						
1967-64	280C, 280T-III – Diesel	8D	900	{15}	T4-8D	T4-4D
1967-60	180T-I – Diesel	4D	815	{148}	T4-4D	—
1967-60	180T-III – Diesel	4D	815	{148}	T4-4D	—
1967-60	380T-I – Diesel	4D	815	{148}	T4-4D	—
1967-60	380T-II – Diesel	4D	815	{148}	T4-4D	—
1967-60	380T-III, 480T – Diesel	4D	815	{148}	T4-4D	—
1963-60	280T-I	7D	880	{173}	—	—
Scrapers						
1967-65	210, 310	8D	900	{15}	T4-8D	T4-4D
1967-60	110	4D	815	{148}	T4-4D	—
1966-60	210, 310	7D	880	{173}	—	—
Tractor Shovels						
1967-62	125A, 125C – Diesel	4D	815	{15}	T4-4D	—
1967-62	175A-II – Diesel	4D	815	{15}	T4-4D	—
1967-62	175A-III, 175C – Diesel	4D	815	{15}	T4-4D	—
1967-62	275A-II – Diesel	8D	900	{15}	T4-8D	T4-4D
1967-62	275A-III, 275C – Diesel	8D	900	{15}	T4-8D	T4-4D
1967-62	35A, 45A, 55A	30H	475		T4-31P	T4-31P+
1967-62	55A	4D	815		T4-4D	—
1967-62	55A-III – Diesel	4D	815		T4-4D	—
1967-62	Cummins	30H	505	{148}	T4-31P	T4-31P+
1967-62	GM	8D	900		T4-8D	T4-4D
1967-60	75A – All other Eng	8D	900		T4-8D	T4-4D
1967	35A, 35B – Diesel	4D	815		T4-4D	—
1967	475C	4D	815	{173}	T4-4D	—
1967	55A	4D	815		T4-4D	—
1967	55B, BL-700 – Diesel	4D	815		T4-4D	—
1967	65T-III – Diesel	30H	475		T4-31P	T4-31P+
1967	75C – Diesel	30H	505	{148}	T4-31P	T4-31P+
1967	CKL-340 – Diesel	1	600	{15}	—	—
1967	CKL-340 – Gas	6D	315		T4-4D	—
1966-60	12B – Diesel	1	585		—	—
1966-60	12B – Gas	24	315		S3-24	S4-24
1964-62	125A, 85A	4D	790	{147}	T4-4D	—
1964-60	75A	1	550	{15}	—	—
1964-60	75A – Diesel, Waukeska Eng	7D	880	{15}	—	—
1961-60	125A, 85A – Diesel	7D	880	{15}	—	—
1961-60	175A-I	4	790	{173}	—	—
1961-60	275A-I, 375	7D	880	{173}	—	—
1961-60	55A, 55B	1	550	{15}	—	—
1961-60	85A – Gas	1	550	{15}	—	—
Truck Cranes						
1959-42	All	4	790	{179}	—	—
Cranes w/ Magnet Attachment						
1968-64	510 – IHC UV-549 Eng	1	550	{15}	—	—
1968-64	510 – DD 6V-53N	4	840	{15}	—	—
1968-64	UV-549 – IHC Eng	1	550	{15}	—	—
1968-61	5CCK-150R/630	32N	335		S4536B(29)	S5-51R(29)
1968-60	10CW-150R	2E	550		—	—

		O.E. BCI NO.	CCA @ 0°F		Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
CLARK (Continued)						
Cranes w/ Magnet Attachment (Continued)						
1965-61	5CCK–150R/630 – Optional	4	840	{15}	—	—
Cranes, Hydraulic						
1975-73	709, 710, 714 – GM Eng	4	840	{148}	—	—
1975-73	720–OS, 720CM	8D	1000	{15}	T4-8D	T4-4D
1975-73	736CM – GM Eng	4	840	{148}	—	—
1975-73	w/IHC UV–345 Eng	27	400		S4-27	S5515B
1968-61	105, 110 – Ford Eng	32N	335		S4536B{29}	S5-51R{29}
1968-61	105, 110 – IHC Eng	4	840	{147}	—	—
1968-58	210, 210P, 220 – Buda	7D	925	{15}	—	—
1968-58	223, 240 – Ford Eng	32N	335		S4536B{29}	S5-51R{29}
1968-58	272, 332 – Ford Eng	32N	335		S4536B{29}	S5-51R{29}
1968-58	409, 410, 410P – Buda	7D	925	{15}	—	—
1968-58	GM 3081 Eng	4	840	{15}	—	—
1968-58	GM 43301 Eng	32N	335		S4536B{29}	S5-51R{29}
1968-58	Optional	4	840	{15}	—	—
1968-58	U–260, U–282 – IHC Eng	7D	925		—	—
1968-58	UB–264 – IHC Eng	32N	335		S4536B{29}	S5-51R{29}
1968-58	UD–236 – IHC Eng	4	840	{15}	—	—
1968-58	UD–T282 – IHC Eng	4	840	{15}	—	—
1968-58	UD282 – IHC Eng	4	840	{15}	—	—
1968-58	UV–345 – IHC Eng	32N	335		S4536B{29}	S5-51R{29}
1968-58	w/DD 4–51	32N	335		S4536B{29}	S5-51R{29}
1968-58	w/Ford 172 (12V)	4	840	{15}	—	—
1968-58	w/Ford 174 Eng – All 6–Volt	1	550		—	—
1968	630, 630C – IHC Eng	1	550	{15}	—	—
1968	Other engines	4	840	{15}	—	—
Motor Graders						
1975-73	Pacer 101, Pacer 301	7D	900		—	—
1975-73	Pacer 501, Super 101	7D	900		—	—
1975-73	Super 301, Super 501	7D	900		—	—
1968-61	Pacer – 100 thru 650 GM 3–71	4	840	{15}	—	—
1968-61	Super – 100 thru 650 GM 3–71	4	840	{15}	—	—
Motor Sweepers						
1968-56	40, 60, 70	30H	500		T4-31P	T4-31P+
Rollers - Compactors, Tandem & Pneumatic						
1968-58	104, 53, 84 – IHC Eng	32N	335		S4536B{29}	S5-51R{29}
1968-58	Other engines	4	840	{147}	—	—
1968-58	PR–11	32N	335		S4536B{29}	S5-51R{29}
1967-56	RV–20, RV–24, T–33	1	550		—	—
Rollers w/ Three Wheels						
1968-58	102 – Series, All models	4	840	{147}	—	—
1968-58	122 – Series, All models	4	840	{147}	—	—
1968-58	83 – Series, All models	4	840	{147}	—	—
Crane Carriers						
1981-74	736CM	4	700	{173}	—	—
1981-70	4700, 715SP, 725–OS	31T	625	{148}	T4-31	T4-31+
1981-70	700TC, 765CM, 7700	8D	975	{148}	T4-8D	T4-4D
1981-70	990TC	8D	975	{148}	T4-8D	T4-4D
1975-73	450TC, 550TC	8D	900	{15}	T4-8D	T4-4D
1969-62	All	8D	900		T4-8D	T4-4D
1961-56	24T, 25T – Hendrickson	2	630	{15}	—	—
1961-56	24T, 25T, 34T, 44T	8D	900		T4-8D	T4-4D
1961-56	54T, 74T	8D	900		T4-8D	T4-4D
Cranes						
1981-79	4700, 4707	31T	625	{178}	T4-31	T4-31+
1981-76	450TC, 770HC	8D	900	{15}	T4-8D	T4-4D
1981-70	250	8D	900	{15}	T4-8D	T4-4D
1981-62	1500C, 1500SC, 7700	8D	900	{15}	T4-8D	T4-4D

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INDUSTRIAL

CLARK — CLARK INDUSTRIES INC.

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		O.E. CCA BCI @ NO. 0°F		Replacement Options	
YEAR	DESCRIPTION		Notes	Option 1	Option 2
CLARK (Continued)					
Cranes (Continued)					
1981-62	300T, 350T, 400T	2 520	{147}	—	—
1981-62	500T, 500TC, 550TC	2 520	{147}	—	—
1981-62	600T	2 520	{147}	—	—
1981-62	700HC, 700TC, 990TC	8D 900		T4-8D	T4-4D
1981-62	7707	8D 900	{15}	T4-8D	T4-4D
1981-62	990TCA	8D 900		T4-8D	T4-4D
1981-62	A–C, Cummins – Diesel	8D 900	{15}	T4-8D	T4-4D
1981-62	Detroit Diesel Eng	6D 750		T4-4D	—
1978-70	45C – Diesel, Optional	8D 900	{15}	T4-8D	T4-4D
1978-70	45C, 50SC, 65C – Diesel	6D 750		T4-4D	—
1978-70	50SC – Diesel, Optional	8D 900	{15}	T4-8D	T4-4D
1978-70	65C – Diesel, Optional	8D 900	{15}	T4-8D	T4-4D
1978-70	75C – Diesel	6D 750		T4-4D	—
1978-70	75C – Diesel, Optional	8D 900	{15}	T4-8D	T4-4D
1972-62	1200, 1250, 765CM	8D 900	{15}	T4-8D	T4-4D
1972-62	250C – Hercules Eng	2 520	{15}	—	—
1972-62	250T – Hercules Eng	2 520	{15}	—	—
1972-62	250TS – Hercules Eng	2 520	{15}	—	—
1972-62	900T	8D 900	{15}	T4-8D	T4-4D
1972-62	DD Eng, w/Cat. – Diesel	2 520	{147}	—	—
1972-62	w/Cummins Eng – Diesel	8D 900	{15}	T4-8D	T4-4D
Hercules					
1969-62	Gas Eng	3 525		—	—
Road Packers					
1967-59	Diesel, IHC Gas	8D 900		T4-8D	T4-4D
1967-59	Gas Eng ex. IHC	3 525		—	—
Shovels					
1969-59	34 – Diesel, Cat. Eng, Cummins	8D 900	{147}	T4-8D	T4-4D
1969-59	34, 44 – Gas, Buda	3 525		—	—
1969-59	44 – Diesel, Cat. Eng, Cummins	8D 900	{147}	T4-8D	T4-4D
1969-54	24 – Diesel, Cat. Eng	2 520	{173}	—	—
1969-54	25 – Diesel, Cat. Eng	2 520	{173}	—	—
1967-62	1850, 2400	6D 750		T4-4D	—
1967-59	1200, 1250	8D 900	{15}	T4-8D	T4-4D
1967-59	604, 64, 65 – Diesel	8D 900	{15}	T4-8D	T4-4D
1967-59	604, 64, 65, 703 – Gas	2 520	{15}	—	—
1967-59	703, 802 – Diesel	8D 900	{15}	T4-8D	T4-4D
1967-59	802 – Gas	2 520	{15}	—	—
1967-59	803	8D 900	{15}	T4-8D	T4-4D
1964-54	24 – Hercules Eng, Gas w/AC	3 525		—	—
1964-54	25 – Hercules Eng, Gas w/AC	3 525		—	—
1964-54	All other Diesel Eng	6D 750	{147}	T4-4D	—
1961-59	2400	3 525		—	—
1961-52	1201, 1601, 2400	2 520	{15}	—	—
1961	25 – Diesel w/AC, w/o electric reel	8D 900	{15}	T4-8D	T4-4D
1957-54	24, 25 – Cat. Eng	27 340	{15}	S4-27	S5515B
Scrapers					
1971-63	12E2E, 218, 282, 292	4D 800	{147}	T4-4D	—
1971-63	294	4D 800	{147}	T4-4D	—
1967-66	292	8D 950		T4-8D	T4-4D
CLARK INDUSTRIES INC.					
Burnishers					
	202, 2025 – 36-volt	921 NR	{181}	—	—
	242 – 36-volt	901 NR	{178}	—	—
	322 – 36-volt	902 NR	{178}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
CLARK INDUSTRIES INC. (Continued)						
Carpet Extractors						
	Clean Track« L24 – 24-volt	901	NR	{173}	—	—
Extractor						
	CFS2700 – 36-volt	901	NR	{178}	—	—
Floor Machines						
	Ultra Speed« 20 – 36-volt	921	NR	{181}	—	—
	Ultra Speed« 20T – 36-volt	921	NR	{181}	—	—
Scrubber						
	114RS – 36-volt	902	NR	{178}	—	—
	114RS, 114RS – 36-volt	921	NR	{181}	—	—
	17, SPS28 – 24-volt	27	NR	{15}	—	—
	2000BT, 20i – 36-volt	921	NR	{181}	—	—
	20BT, 21i – 24-volt	921	NR	{15}	—	—
	20ix, 3200D – 36-volt	921	NR	{181}	—	—
	21i, 91WS – 24-volt	921	NR	{15}	—	—
	2400 Series II – 36-volt	902	NR	{178}	—	—
		902	NR	{178}	—	—
	2400 Ultra – 36-volt	903	NR	{178}	—	—
	2400HD – 36-volt	903	NR	{178}	—	—
	2400HD, 261 – 36-volt	903	NR	{178}	—	—
	261, 261X – 36-volt	902	NR	{178}	—	—
		903	NR	{178}	—	—
	261X, 26ix – 36-volt	903	NR	{178}	—	—
	26i, 32i – 36-volt	GC2	NR	{178}	—	—
	26ix, 321X – 36-volt	903	NR	{178}	—	—
	3200 Series II – 36-volt	902	NR	{178}	—	—
		902	NR	{178}	—	—
	321X, 32ix – 36-volt	903	NR	{178}	—	—
	321X, 38, C28 – 36-volt	902	NR	{178}	—	—
	32ix, 3400 – 36-volt	903	NR	{178}	—	—
	38 – 36-volt	902	NR	{181}	—	—
		903	NR	{178}	—	—
	91WS – 24-volt	921	NR	{15}	—	—
	Boost 28 – 24-volt	902	NR	{173}	—	—
	Boost 32 – 24-volt	902	NR	{173}	—	—
	C28, C33, C33 – 36-volt	902	NR	{178}	—	—
	CA30 20B – 24-volt	31	NR	{15,80}	T6-31DC	—
	CA900 32T – 36-volt	901	NR	{178}	—	—
	Clarke Focus« II Rider 24-volt	GC2	NR	{173}	—	—
	Encore 24/26 – 24-volt	921	NR	{15}	—	—
	Encore L17 – 24-volt	31	NR	{15,135}	—	—
		31	NR	{15,135}	—	—
	Encore L20 – 24-volt	921	NR	{15}	—	—
	Encore L2426 – 24-volt	902	NR	{173}	—	—
		902	NR	{173}	—	—
	Encore L26 – 24-volt	GC2	NR	{173}	—	—
		GC2	NR	{173}	—	—
	Encore L28 – 36-volt	902	NR	{178}	—	—
		903	NR	{178}	—	—
		903	NR	{178}	—	—
	Encore L30 – 24-volt	902	NR	{173}	—	—
		902	NR	{173}	—	—
	Encore L33 – 36-volt	902	NR	{178}	—	—
		903	NR	{178}	—	—
		903	NR	{178}	—	—
	Encore L38 – 36-volt	902	NR	{178}	—	—
		903	NR	{178}	—	—
		903	NR	{178}	—	—
	Encore S17 – 24-volt	31	NR	{15,135}	—	—
		31	NR	{15,135}	—	—

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INDUSTRIAL

CLARK INDUSTRIES INC. — COTTERMAN COMPANY

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
CLARK INDUSTRIES INC. (Continued)						
Scrubber (Continued)						
	Encore S2426 – 24-volt	902	NR	{173}	—	—
		902	NR	{173}	—	—
		GC2	NR	{173}	—	—
	Encore S30 – 24-volt	902	NR	{173}	—	—
	Encore S30 – 12-volt	GC2	NR	{15}	—	—
	Focus II Compact Autoscrubber – 12-volt	31	NR	{15}	T5-31	T6-31DC
	Focus II MicroRider 24-volt	GC2	NR	{173}	—	—
	Focus II Mid Size Autoscrubber – 24-volt	902	NR	{173}	—	—
	Focus L17 – 24-volt	31	NR	{15,135}	—	—
		31	NR	{15,135}	—	—
	Focus S17 – 24-volt	31	NR	{15,135}	—	—
		31	NR	{15,135}	—	—
	Focus II Large Walk-Behind Autoscrubber 36-volt	902	NR	{178}	—	—
	Fusion 27 – 36-volt	903	NR	{178}	—	—
	Fustion 20 IX – 36-volt	921	NR	{181}	—	—
	Image 26B – 36-volt	921	NR	{181}	—	—
	MA50 15B – 24-volt	U1	NR	{15,80}	—	—
	Mini Max 26 – 36-volt	GC2	NR	{178}	—	—
	Mini Max 28 – 36-volt	GC2	NR	{178}	—	—
	Mini Max 30 – 36-volt	GC2	NR	{178}	—	—
	RA40 – 24-volt	GC12	NR	{15,80}	—	—
	SPS281, TB18 – 24-volt	921	NR	{15}	—	—
	TB21 – 24-volt	921	NR	{15}	—	—
	TB24, TB60-DS – 36-volt	921	NR	{178}	—	—
	TB2400 Deluxe – 36-volt	921	NR	{181}	—	—
	TB2400DS – 36-volt	921	NR	{181}	—	—
	TB2400UDS – 36-volt	921	NR	{181}	—	—
	TB3200 – 36-volt	902	NR	{178}	—	—
		902	NR	{178}	—	—
	TB3200 Deluxe – 36-volt	902	NR	{178}	—	—
	TB32A, TB80 – 36-volt	901	NR	{178}	—	—
	TB60 – 36-volt	921	NR	{181}	—	—
	Ultra Speed 3220 – 36-volt	903	NR	{178}	—	—
	Vantage 14 – 12-volt	31	NR		T5-31	T6-31DC
Sweeper						
	BSW 28 – 12-volt	27	NR		—	—
CLEVELAND TRENCHER CO.						
Backfillers & Backhoes						
	1975-71 American 25	8D	935	{15}	T4-8D	T4-4D
	1974-63 190W, 80W – Cat. Eng	8D	935	{15}	T4-8D	T4-4D
	1974-63 All other engines	27	410		S4-27	S5515B
	1963-52 190, 190W – Optional	27	410		S4-27	S5515B
	1963-52 190, 190W – Cat. Eng	3	525	{147}	—	—
	1963-52 80, 80W – Optional	27	410		S4-27	S5515B
	1963-52 80, 80W – Cat. Eng	3	525	{147}	—	—
Trenchers						
	1993-82 7648, 8700	8D	935	{15}	T4-8D	T4-4D
	1993-64 236, 240, 246	27	410	{15}	S4-27	S5515B
	1993-64 240, 247, 247-A	27	370	{147}	S4-27	S5515B
	1993-64 246-FD, 247, 247-A	27	410	{15}	S4-27	S5515B
	1993-64 7036-HD, 7036-SD	27	370	{147}	S4-27	S5515B
	1993-64 92, V-110, V-140	27	410	{15}	S4-27	S5515B
	1993-64 9600S, 9624	27	370	{147}	S4-27	S5515B
	1993-64 V-95	27	410	{15}	S4-27	S5515B
	1993-63 7035 – Cat. Eng	8D	935	{15}	T4-8D	T4-4D

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
CLEVELAND TRENCHER CO. (Continued)						
Trenchers (Continued)						
1988-64	D-160, H-16, J-26	27	410	{147}	S4-27	S5515B
1988-64	J-36, J-46, J-57	27	410	{147}	S4-27	S5515B
1988-64	JS-36	27	410	{147}	S4-27	S5515B
1985-83	BD-81	30H	510	{15}	T4-31P	T4-31P+
1974-70	H-320, S-320	8D	935	{15}	T4-8D	T4-4D
1974-68	CT-4	22F	280		S3514B	S3560B
1974-52	110, 140, 240, 320	3	525	{147}	—	—
1974-52	92, 95, L-270	3	525	{147}	—	—
1963-61	J-20, J-30, J-40	3	525	{147}	—	—
1963-61	JS-30	3	525	{147}	—	—
CLIPPER						
NORTON COMPANY						
Concrete Saws						
1996-93	C-35B	70	425		S4554B	S3559B{32}
1996-93	C-65B – Optional	22F	400		S3514B	S3560B
1996-88	C-65B	U1	230		—	—
1994-90	C-189, C-18A, C-30A	26R	410		S3514B	S6523B
1992-90	C-65A	24	340		S3-24	S4-24
1992-75	C-305, C-309, C-355	24	340		S3-24	S4-24
1992-75	C-356, C-656, C-658	24	340		S3-24	S4-24
1989-75	C-188, C-189, C-375	29NF	300		—	—
1989-75	C-655	29NF	300		—	—
1967-62	6-Volt	2N	475		—	—
1967-62	C-600 – All 12-Volt	28N	290		S4536B{29}	S5-51R{29}
1962-55	C-250, C-250A, C-300	2N	475		—	—
1962-55	C-302, C-360, C-362	2N	475		—	—
1962-55	C-363, C-370	2N	475		—	—
COMPAIR CANADA, LTD.						
Air Compressors						
1987-84	125, 175, 250	30H	550		T4-31P	T4-31P+
1987-84	Hydrovane HVAP	30H	550		T4-31P	T4-31P+
1987-84	Zitar 65	30H	550		T4-31P	T4-31P+
1987-74	CH160PD, CH160PH	7D	875	{15}	—	—
1987-74	CR160/185PD, CR275PD	7D	875	{15}	—	—
1987-74	CR300PD	7D	875	{15}	—	—
1987-74	Compair Holman 750S	30H	550	{173}	T4-31P	T4-31P+
1987-74	RO1200, RO1800	8D	935	{15}	T4-8D	T4-4D
1987-74	RO900	8D	935	{15}	T4-8D	T4-4D
1986-74	RD420 Canadian	8D	935		T4-8D	T4-4D
1986-74	RO60PD, RO750PD	8D	935		T4-8D	T4-4D
1985-74	85, 85G	3EE	305		S4535B{31}	—
1984-81	Hydrovane 1	24	375		S3-24	S4-24
COTTERMAN COMPANY						
Vertical Personal Lifts						
	5LTL, 6LTL – 12-volt	GC2	NR	{147}	—	—
	7LTL, 8LTL – 12-volt	GC2	NR	{147}	—	—
	ML136BH – 12-volt	GC2	NR	{147}	—	—
	ML13BH – 12-volt	GC2	NR	{147}	—	—
	ML176BH DC – 12-volt	27	NR	{3}	—	—
		27	NR	{3}	—	—
	ML17BH – 12-volt	GC2	NR	{147}	—	—
	ML216BH – 12-volt	GC2	NR	{147}	—	—
	ML21BH – 12-volt	GC2	NR	{147}	—	—
	ML256BH – 12-volt	GC2	NR	{147}	—	—
	ML256BH DC – 12-volt	27	NR	{3}	—	—
		27	NR	{3}	—	—
	ML25BH – 12-volt	GC2	NR	{147}	—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

INDUSTRIAL

COTTERMAN COMPANY — DOUGLAS MOTORS CORP.

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

		O.E. BCI NO.	CCA @ 0°F		Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
COTTERMAN COMPANY (Continued)						
Vertical Personal Lifts (Continued)						
	ML25BH – 12-volt	GC2	NR	{147}	—	—
	MLN176BH – 12-volt	GC2	NR	{147}	—	—
	MLN176BH DC – 12-volt	GC2	NR	{147}	—	—
CROSLEY						
Industrial						
1953-40	All	1	NA		—	—
1948-46	Windrowers – 4895 (11hp)	1	NA		—	—
1945-43	4995 (182hp)	1	NA		—	—
Loader						
1942-40	844K – 4WD	1	NA		—	—
CULLEN FRIESTEDT						
Locomotive Cranes						
1973-50	40	8D	1000	{147}	T4-8D	T4-4D
1973-50	40 w/Hydro-starter – Diesel	60	390		S3-24{29}	S3-24F{29}
1973-34	15A, 30 – Diesel	5D	850	{173}	—	—
1964-58	15A, 30 – Diesel	4	800	{173}	—	—
CURTISS-WRIGHT						
Self-Propelled Dumpers & Scrapers						
1961-59	221, 321, CW-215	6D	875		T4-4D	—
1961-59	CW-220, CW-226	6D	875		T4-4D	—
1961-59	CW-27, CW-28, CW-320	6D	875		T4-4D	—
1961-59	CW-D-214	6D	875		T4-4D	—
DAVEY COMPRESSOR CO.						
Air Compressors						
2004-02	100 DA, 115ZIV – 2	24	575		S4-24	S5507B
2004-02	115ZIV – 2 – Optional	4D	1000		T4-4D	—
2004-02	150 DA	24	575		S4-24	S5507B
2004-02	200 DA	4D	1000		T4-4D	—
2004-02	Model PDA – 75 DA	24	575		S4-24	S5507B
1989-86	100GQ, 100RPDQ	24	475		S3-24	S4-24
1989-86	125GQ, 125RPDQ	24	475		S3-24	S4-24
1989-86	150RPDQ, 160RPDQ	24	475		S3-24	S4-24
1989-75	190RPDQ	4D	675		T4-4D	—
1989-75	250 – Diesel	4D	675		T4-4D	—
1989-75	365RPDQ, 600RPDQ	8D	900	{147}	T4-8D	T4-4D
1989-75	750RPDQ	8D	900	{147}	T4-8D	T4-4D
1989-62	250RP, 250RPD	4D	700		T4-4D	—
1989-62	250RPDQ, 250RPG	4D	700		T4-4D	—
1989-62	250RPV	4D	700		T4-4D	—
1989-62	365 – Diesel	4D	700		T4-4D	—
1987-58	600, 600RP, 600RPV	4D	700	{147}	T4-4D	—
1987-58	750 – Diesel	4D	700	{147}	T4-4D	—
1987-58	750PVC, 750RPD	4D	700	{147}	T4-4D	—
1986-67	100 – Diesel, Optional	3EE	310		S4535B{31}	—
1986-67	100RPG – Diesel, Optional	3EE	310		S4535B{31}	—
1986-67	125 – Diesel, Optional	3EE	310		S4535B{31}	—
1986-67	125RPG – Diesel, Optional	3EE	310		S4535B{31}	—
1986-67	160HDR – Diesel, Optional	3EE	310		S4535B{31}	—
1986-67	160RP – Diesel, Optional	3EE	310		S4535B{31}	—
1985-67	150, 150PVC, 190	3EE	310		S4535B{31}	—
1985-67	190RPG, 200PVC:HUPP	3EE	310		S4535B{31}	—
1985-67	DD, Hercules – Diesel	4D	700		T4-4D	—
1984-75	100, 100RPG – Diesel	4D	700		T4-4D	—
1984-75	125, 125RPG – Diesel	4D	700		T4-4D	—
1984-75	160HDR, 160RP – Diesel	4D	700		T4-4D	—
1983-75	250 – Diesel, Optional	3EH	830	{15}	—	—
1978-73	125RPD, 150RPD	4D	700		T4-4D	—

YEAR	DESCRIPTION	O.E. CCA BCI @ NO. 0°F		Notes	Replacement Options	
					Option 1	Option 2
DAVEY COMPRESSOR CO. (Continued)						
Air Compressors (Continued)						
1978-73	190RPD	4D	700		T4-4D	—
1978-63	100R, 85RPV	24	315		S3-24	S4-24
1978-59	400RPD, 400RPV	4D	700	{15}	T4-4D	—
1978-59	600RP	4D	700	{15}	T4-4D	—
1965-62	Optional	3	690	{15}	—	—
1965-61	125HDR, 125PVC	3EE	310		S4535B{31}	—
1965-61	125RPV	3EE	310		S4535B{31}	—
1961-57	Optional	2E	625		—	—
Lift						
2004-03	60K	24	575		S4-24	S5507B
2003	60K – Optional	4D	1000		T4-4D	—
2002	60K	4D	1000		T4-4D	—
DEMPSTER						
Compaction Trailers						
1961-60	All	2E	525		—	—
Diggsters & Dumpsters						
1961-54	101D, 101G, GRD–300	5D	850		—	—
1961-54	GRD–304, GRD–304F	5D	850		—	—
DEVERE MFG. CO.						
Heavy Duty Mowers						
1977-59	24, 31–V, 31–VR	U1	165		—	—
1977-59	Expressway Patrol 10	NA	465	{170}	—	—
1977-59	TR60	U1	165		—	—
DITCH WITCH						
Riding Trenchers						
2013	RT55	78	800		S5563B	S5564B
2013	RT95	34	800		S5521B	S5564B
2012	WA200PT – 5	78	800		S5563B	S5564B
2011-09	WA200 – 5	78	800		S5563B	S5564B
2011-07	RT36	26	525		S3513B	S3560B{32}
2011-07	RT55	78	800		S5563B	S5564B
2011-07	RT95	34	800		S5521B	S5564B
2010-08	WA30 – 5	34	800		S5521B	S5564B
2010-07	RT40	26	800		—	—
2010-07	RT75	34	800		S5521B	S5564B
2009-07	WA250 – 5	34	800		S5521B	S5564B
2008-06	WA150 – 5	26	800		—	—
2007-05	WA1200 – 3	26	525		S3513B	S3560B{32}
2007-05	WA250PT – 5	34	800		S5521B	S5564B
2006-05	WA200PT – 5	34	800		S5521B	S5564B
Avance Plus						
2012-11	WA320 – 3 Avance Plus	34	800		S5521B	S5564B
2009-08	WA120L – 3	26	525		S3513B	S3560B{32}
2009	WA180 – 3	26	800		—	—
2008-06	WA180PT – 3	78	800		S5563B	S5564B
2005-04	WA180 – 3	78	800		S5563B	S5564B
2005	WA120L – 3	26	800		—	—
DOMINION						
Power Shovel and Truck Cranes						
1971-58	All	3	650	{179}	—	—
DOUGLAS MOTORS CORP.						
Vibratory & Tandem Econoroll Rollers						
1967-56	All	32N	335		S4536B{29}	S5-51R{29}

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL DRILTECH, INC. — EIMCO MINING MACHINERY

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		O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
YEAR	DESCRIPTION				Option 1	Option 2
DRILTECH, INC.						
Crawlers & Trucks						
1985-74	All	8D	1000	{148}	T4-8D	T4-4D
DULEVO						
Floor Machines						
	120DK, 120DR – 12–volt	24	NR	{3}	—	—
	12OSR, 86BG – 12–volt	24	NR	{3}	—	—
	27, 33, 44 – 36–volt	902	NR	{178}	—	—
	71ER, 725 – 24–volt	921	NR	{15}	—	—
	72E – 24–volt	921	NR	{15}	—	—
	86DR, 86SB – 12–volt	24	NR	{3}	—	—
	86EL – 36–volt	GC2	NR	{178}	—	—
DUPLEX DIVISION						
WARNER & SWASEY CO.						
In the absence of a cranking performance specification supplied by the original equipment vehicle manufacturer, the rating shown is based upon battery industry consensus.						
Crane Carriers						
1975-69	All	30H	410	{148}	T4-31P	T4-31P+
Gradalls & Gradall Carriers						
1975-68	GR 6x4 – Cummins Diesel	4	800	{173}	—	—
1975-68	GR 6x6 – Cummins Diesel	4	800	{173}	—	—
1975-59	All – Exc 6X4 Cummins Diesel	30H	410	{148}	T4-31P	T4-31P+
1975-59	All – Exc GR6X6	30H	410	{148}	T4-31P	T4-31P+
Hopto Carriers & Industrial High Loaders						
1975-58	All	30H	410	{147}	T4-31P	T4-31P+
1967-66	Beaver	24	230		S3-24	S4-24
Lift Trucks						
1975-69	RPC–300	8D	900	{15}	T4-8D	T4-4D
1975-67	1200, 1202 – Diesel	3	625	{15}	—	—
1975-67	1201, 1203, 1600	30H	410		T4-31P	T4-31P+
1975-67	1600, 1602 – Diesel	3	625	{15}	—	—
1975-67	1601, 1603	30H	410		T4-31P	T4-31P+
DYNA-TECHNOLOGY, INC.						
Formerly WINCHARGER						
Generator Plants						
1974-56		1	525	{147}	—	—
		2	525		—	—
		24	410		S3-24	S4-24
		60	325		S3-24(29)	S3-24F(29)
DYNAPAC MFG., INC.						
Pavement Profiler						
1987-86	PL–1300	31T	625	{15}	T4-31	T4-31+
1987-80	PL–2000	8D	1100	{15}	T4-8D	—
Self-Propelled Vibratory Compactor						
1988-87	CC–50 PD, CC–50 S	31T	625	{15}	T4-31	T4-31+
1988-87	CC–50A II	31T	625	{15}	T4-31	T4-31+
1988-84	CC–10 II, CC–12	46	370	{49}	S3-24(29)	S4-24(29)
1988-81	CA–12, CC–50 II PD	31T	625		T4-31	T4-31+
1988-81	CC–50 II S	31T	625		T4-31	T4-31+
1988-75	CC–14, CC–21	4D	775	{49}	T4-4D	—
1988-75	CC–21 II	4D	775	{49}	T4-4D	—
1988-72	CC–42, CC–42 II	4D	775		T4-4D	—
1988-72	CC–50 PD, CC–50A	4D	775		T4-4D	—
1988-72	CC–50, CC–50 D	4D	775		T4-4D	—
1988-69	CA–15, CA–25	4D	775		T4-4D	—
1988-69	CA–25 II	4D	775		T4-4D	—
1984-74	CC–10, CC–I	27	390		S4-27	S5515B
1983-75	CC–10, CC–I – Optional	24	335		S3-24	S4-24
1981-75	CG–08 (Tandem Roller)	42	315		S4-42	S3-4258R

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
DYNAPAC MFG., INC. (Continued)						
Self-Propelled Vibratory Compactor (Continued)						
1981-75	CG-09	42	315		S4-42	S3-4258R
1981-70	DD-16 – Double Drum	22NF	225		S4536B	S5-51R
1981-70	DD-18 – Double Drum	22NF	225		S4536B	S5-51R
1981-64	CF-11, CK-11 – Tow Type	24	335		S3-24	S4-24
E.D. ETNYRE CO.						
Chip Spreaders						
1999-87	CS6CT, CS6CTA	4D	760	{15}	T4-4D	—
1999-86	CS6BT, CS6BTA	27	565	{15}	S4-27	S5515B
1996-86	CR3208, CR3208T	4D	760	{15}	T4-4D	—
1994-85	3208, 3208T – Cat. Eng	4D	760	{15}	T4-4D	—
1994-85	6CT, 6CTA – Cat. Eng	4D	760	{15}	T4-4D	—
1993-75	6BT, 6BTA	27	565	{15}	S4-27	S5515B
1993-75	A-C 649T – Cummins Diesel	27	565	{15}	S4-27	S5515B
1993-75	Ford 429, GM 4-53N	27	565	{147}	S4-27	S5515B
1993-75	T	27	565	{147}	S4-27	S5515B
1984-77	V-392	27	345		S4-27	S5515B
1976-63	U-372, U-450 – IHC Eng	27	440	{147}	S4-27	S5515B
1976-63	UD-407 – IHC Eng	27	440	{147}	S4-27	S5515B
1967-65	All	72	240		S4554B	S3559B(32)
1964-63	All	24	280		S3-24	S4-24
Haulers						
1999-89	Heavy Hauler	22NF	260		S4536B	S5-51R
1999-76	Maintenance Units	24	280		S3-24	S4-24
Pavers						
1996-73	Briggs-Stratton AO 2447	U1	220		—	—
1996-73	Curb Paver w/Wisconsin	U1	220		—	—
1991-81	FC-400	4D	760		T4-4D	—
Snow King Road Distributors & Pumping Units						
1993-66	All	24	280		S3-24	S4-24
1965-62	All	1	525		—	—
Street Flushers						
1999-94	JD-EOA5D	27	565		S4-27	S5515B
1993-84	Ford 442, Ford 649	27	565		S4-27	S5515B
1991-74	GM 3-53 – Diesel	27	360	{147}	S4-27	S5515B
1991-74	JD 4239	27	360	{147}	S4-27	S5515B
1975-62	Ford 220 – Diesel	4D	760		T4-4D	—
1975-57	Ford 223, Ford 240	24	280		S3-24	S4-24
1975-57	IHC UB-220	24	280		S3-24	S4-24
Hercules						
1975-57	QXC5	24	280		S3-24	S4-24
EIMCO MINING MACHINERY						
Formerly ENVIROTECH CORP.						
Crawler Tractors						
1968-53	All	8D	900	{147}	T4-8D	T4-4D
Loaders (MHSA Schedule 24)						
1984-82	920-LHD, 925X-LHD	8D	900	{147}	T4-8D	T4-4D
1984-70	911, 911-LHD	30H	480		T4-31P	T4-31P+
1984-70	912D-LHD	30H	480		T4-31P	T4-31P+
1984-67	912, 912-LHD	8D	900	{147}	T4-8D	T4-4D
1984-67	913-LHD, 913D-LHD	8D	900	{147}	T4-8D	T4-4D
1984-67	915, 915-LHD, 916	8D	900	{147}	T4-8D	T4-4D
1984-67	918	8D	900	{147}	T4-8D	T4-4D
1983-81	912, 912-LHD – Optional	4D	700	{15}	T4-4D	—
1983-81	913-LHD – Optional	4D	700	{15}	T4-4D	—
1983-81	913D-LHD – Optional	4D	700	{15}	T4-4D	—
1983-81	915, 915-LHD – Optional	4D	700	{15}	T4-4D	—
1983-81	916, 918 – Optional	4D	700	{15}	T4-4D	—

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INDUSTRIAL

INDUSTRIAL

EIMCO MINING MACHINERY — EUCLID HITACHI HEAVY EQUIPMENT, INC.

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
EIMCO MINING MACHINERY (Continued)						
Utility Vehicles (MHSA Schedule 24)						
1984-79	950, 955	27	600	{147}	S4-27	S5515B
1984-79	955L Minetenders	27	600	{147}	S4-27	S5515B
1984-79	985, 990 Lift Truck	27	600	{147}	S4-27	S5515B
1984-77	980-T20, 980-T27	8D	900	{15}	T4-8D	T4-4D
1984-72	922, 980, 980-T10	30H	480	{15}	T4-31P	T4-31P+
1984-72	980-T13 – Optional	30H	480	{15}	T4-31P	T4-31P+
1984-70	975, 975A, 980-T015	27	600	{147}	S4-27	S5515B
1984-70	980-T10, 980-T13	27	600	{147}	S4-27	S5515B
1974-67	916-T20	8D	900	{15}	T4-8D	T4-4D
ELGIN SWEEPER CO.						
Catch Basin Cleaners & Street Sweepers						
1988-85	Condor Model E	31T	625	{15}	T4-31	T4-31+
1979-69	Eductor, Model L	27	440		S4-27	S5515B
1979-69	Model M	27	440		S4-27	S5515B
1975-60	Sweepers – Diesel	4	800	{15}	—	—
1967-59	Eductor Sweepers	32N	335		S4536B(29)	S5-51R(29)
Crosswind Models (incl. Diesel)						
1999-96	Federal Chassis	31T	925	{15}	T4-31+	T6-31
1999-96	Ford Chassis	64	535	{15}	S4-64	—
1999-96	GMC Chassis	74	550	{15}	S3-78	S4563B
1999-96	Geo-Vac	31T	925		T4-31+	T6-31
1999-96	Geo-Vac Chassis	31T	925	{15}	T4-31+	T6-31
1997-88	Eagle Model E	31T	750	{15}	T4-31	T4-31+
1997-88	Eagle Model F	31T	750	{15}	T4-31	T4-31+
1991-83	Ford chassis Model G	64	535	{15}	S4-64	—
1991-83	Ford chassis Model L	64	535	{15}	S4-64	—
1991-83	GMC chassis Model G	74	525	{15}	S3-78	S4563B
Pelican						
1999-88	P, S, SE	31T	925		T4-31+	T6-31
1990-86	A, S – Diesel	31T	625		T4-31	T4-31+
1986-83	A, HH, S – Diesel	4	680	{15}	—	—
1984-66	S	27	440		S4-27	S5515B
Road Runner Model W						
1990-85	Trailwind Model D	41	300		S4526B	S4-42
1984-79	Diesel	7D	875	{15}	—	—
1984-79	Gas	27	440		S4-27	S5515B
Whirlwind						
1997-88	L Series	31T	925		T4-31+	T6-31
Whirlwind II						
1991-88	Model L – Ford Eng	64	535	{15}	S4-64	—
1991-88	w/IHC Eng	41	520		S4526B	S4-4258R
1990-84	Model V – Diesel	74	525	{15}	S3-78	S4563B
1985-84	Model V – Gas	78	520		S3-78	S4563B
1983-73	Model V – Gas	24	335		S3-24	S4-24
1983-73	Model V – Diesel	31T	625	{15}	T4-31	T4-31+
White Wing						
1984-73	Model T – Diesel	4	680	{15}	—	—
1984-63	Model T – Gas	27	440		S4-27	S5515B
ELWELL-PARKER						
Industrial Trucks						
1974-58	All	2	525		—	—
ESSICK MAYCO						
CONSTRUCTION EQUIPMENT A FIGGIE INTERNATIONAL COMPANY						
Compressors						
1966-60	45TE, 58TE	1	525		—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
ESSICK MAYCO (Continued)						
Emulsion & Exterior Sprayers						
1995-90	50XT	24	515		S3-24	S4-24
1985-79	ES2 27T – Electric Start	24	280		S3-24	S4-24
Graders & Maintainers						
1991-82	M–850A, M–850B	3	550	{15}	—	—
1982-67	F–1500, F–1900	8D	935		T4-8D	T4-4D
1976-67	All maintainers	27	390		S4-27	S5515B
Mixers						
1967-60	1212	2E	525		—	—
Plastering Machines						
1994-93	FM–9H	U1	220		—	—
1993-86	TM45LD	24	360		S3-24	S4-24
1993-64	PG–12, PG–12MD	24	280		S3-24	S4-24
1993-64	TM–30MD, TM30	24	280		S3-24	S4-24
1985-78	MG–13MD, MG–18	22NF	335		S4536B	S5-51R
1985-78	MG–30, MG–30D	22NF	335		S4536B	S5-51R
1985-78	MG–30MD	22NF	335		S4536B	S5-51R
1967-62	All	24	360		S3-24	S4-24
Pumps (incl. Concrete)						
1995-67	38, 40M, MCP35	24	280		S3-24	S4-24
1967-60	90M	2E	525		—	—
1966-60	40M	1	525		—	—
Road Rollers						
1967		24	315		S3-24	S4-24
1966-46	All	1	525		—	—
Rollers (Pneumatic & Vibratory)						
1993-80	V30W2LD	22NF	225		S4536B	S5-51R
1993-67	V30R–R, V30W2R	U1	220		—	—
1993-67	V30WR, VR30RE	U1	220		—	—
1990-67	VF54TEDD, VR54TEDD	2	515	{15}	—	—
1990-67	VR54TEHD, VR54TELD	2	515	{15}	—	—
1985-77	VR130B, VR130R	U1	220		—	—
1985-62	320–100, VR28R	24	280		S3-24	S4-24
1985-62	VR42RE, VR42RED	24	280		S3-24	S4-24
1985-62	VR42RET, VR54TEA	24	280		S3-24	S4-24
1985-62	VR54TEW	24	280		S3-24	S4-24
1985-60	72TECD, V727F, V72S	2	515	{15}	—	—
1976-67	All pneumatic	27	390		S4-27	S5515B
1967	54TEC, VR72	24	340		S3-24	S4-24
1966-60	54TEC, VR72	1	450		—	—
Rollers (Tandem & 3-Wheel)						
1982-75	12–Aug, 8–May	4D	760		T4-4D	—
1977-67	All 10 ton 3–wheel	3	550	{15}	—	—
1975-67	5–Mar, 6–Apr	27	390		S4-27	S5515B
EUCLID HITACHI HEAVY EQUIPMENT, INC.						
Graders						
1980-73	301 – Pacer & Super	7D	900	{148}	—	—
1980-73	401 – Pacer & Super	7D	900	{148}	—	—
1980-73	501 – Pacer & Super	7D	900	{148}	—	—
Haulers						
1989-88	R100	30HR	285	{15}	T4-31P	T4-31P+
1989-88	R120, R170, R190	8D	950	{15}	T4-8D	T4-4D
1989-88	R25, R35, R50, R85	8D	950	{15}	T4-8D	T4-4D
Industrial						
1992-88	FACELL III	NA	NA		—	—
1992	RG170, Regent Pro	NA	NA		—	—
1991-89	RG140	NA	NA		—	—
1988	FACELL II	NA	NA		—	—
1988	Regent Sport	NA	NA		—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

EUCLID HITACHI HEAVY EQUIPMENT, INC. — FARM KING

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
EUCLID HITACHI HEAVY EQUIPMENT, INC. (Continued)						
Industrial Tractors						
1968-62	All	4D	800	{168}	T4-4D	—
1968-62	All – Optional	8D	950	{147,167}	T4-8D	T4-4D
1961-52	4-71, 6-71 – GM Eng	8D	950		T4-8D	T4-4D
1961-52	6-71 – GM Eng, Optional	7D	900	{15,168}	—	—
1961-52	Cummins 6-cyl. Eng	8D	950	{15}	T4-8D	T4-4D
1961-52	Front end loader – GM 4-71 Eng	4D	800		T4-4D	—
1961-52	Models w/Buda	8D	950	{15}	T4-8D	T4-4D
Scrapers						
1980-65	111H, 111HB, 210	8D	900	{15}	T4-8D	T4-4D
1980-65	310, 310H, 310TH	8D	900	{15}	T4-8D	T4-4D
1980-64	110, 12E, 192, 2E	4D	700	{179}	T4-4D	—
1977-63	218, 282, 292, 292E	4D	700	{179}	T4-4D	—
1977-63	294, 392, 410	4D	700	{179}	T4-4D	—
Skidders						
1992-88	664D, 665D, 666D	31T	625	{147}	T4-31	T4-31+
1992-88	667D	31T	625	{147}	T4-31	T4-31+
1992-88	668D	4D	800	{15}	T4-4D	—
1992-88	F665, F666, F667	31T	700	{147}	T4-31	T4-31+
1992-88	F668	31T	700	{147}	T4-31	T4-31+
Wheel Dozers						
1992-81	280B, 280C, W280B	31T	700	{173}	T4-31	T4-31+
1992-81	W280C	31T	700	{173}	T4-31	T4-31+
1992-80	W380, W380B	31T	625	{174}	T4-31	T4-31+
Wheel Loaders						
1992-88	L120, L160, L50, L70	NA	NA	{15,170}	—	—
1992-88	L140, L190B, L270B	31T	625	{174}	T4-31	T4-31+
1992-88	L30	NA	380	{15,170}	—	—
1992-88	L320, L480, L480T	31T	625	{174}	T4-31	T4-31+
1992-88	L90	NA	NA	{15,170}	—	—
1991-81	125C, 75C	31T	625	{173}	T4-31	T4-31+
1991-79	175C, 275C – Optional	8D	900	{148}	T4-8D	T4-4D
1991-79	175C, 275C, 475C	31T	625	{174}	T4-31	T4-31+
1991-79	475C – Optional	8D	900	{148}	T4-8D	T4-4D
1991-79	475C Turbo	31T	625	{174}	T4-31	T4-31+
1991-79	475C Turbo – Optional	8D	900	{148}	T4-8D	T4-4D
1991-78	35C, 45C, 55C	31T	700	{15}	T4-31	T4-31+
1991-75	675	8D	900	{173}	T4-8D	T4-4D
EUROCLEAN						
(see KENT, EUROCLEAN)						
EVEREADY BRIKSAW CO.						
Concrete Saws						
1965-62	E-60 – All 12-Volt	28N	290		S4536B(29)	S5-51R(29)
1965-55	All Exc E-60	2N	475		—	—
FACEL - VEGA						
Industrial						
1964-60	1448 Plus	27F	NA		—	—
1964-60	Faceilia, Facel II	27F	NA		—	—
1964-60	Facel III	27F	NA		—	—
1963	Eagle	27F	NA		—	—
1962-61	1648 Plus	29H	NA		—	—
1962-60	Execellance, HK-60	29H	NA		—	—
1962-60	T90 – Optional	29H	NA		—	—
1962-59	T75	27F	NA		—	—
1961-60	T90	27F	NA		—	—
1960	1448 Plus – Optional	29H	NA		—	—
1959-57	All	29H	NA		—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
FACEL - VEGA (Continued)						
Industrial (Continued)						
1958-57 T60		29H	NA		—	—
FACTORY CAT						
Scrubber						
21, 22, 23 – 24-volt		921	NR	{15}	—	—
25, 26, 26 – 24-volt		921	NR	{15}	—	—
250 – 36-volt		903	NR	{178}	—	—
253, 290 – 24-volt		903	NR	{173}	—	—
27, 28 – 24-volt		921	NR	{15}	—	—
29SS, 3000 – 24-volt		903	NR	{173}	—	—
3000, 3400 – 24-volt		903	NR	{173}	—	—
3400, 350 – 24-volt		903	NR	{173}	—	—
350, 35SS – 24-volt		903	NR	{173}	—	—
390, 390, 430 – 24-volt		903	NR	{173}	—	—
Mag-HD – 24-volt		902	NR	{173}	—	—
Micro-HD – 24-volt		30H	NR	{15}	—	—
Mini-HD – 24-volt		GC2	NR	{173}	—	—
MiniMag – 24-volt		903	NR	{173}	—	—
		903	NR	{173}	—	—
Pilot – 36-volt		921	NR	{181}	—	—
Sweeper						
34 – 12-volt		921	NR		—	—
48 – 24-volt		921	NR	{15}	—	—
FAIRBANKS-MORSE						
Diesel Generating Sets, Water-Cooled						
1969-66 150TCA6B thru 600TCW12		8D	950	{15}	T4-8D	T4-4D
1969-66 15D17 thru 150T6B		4D	800	{147}	T4-4D	—
1966-63 B100D thru B578D		8D	950	{179}	T4-8D	T4-4D
1966-63 B10D thru B75D		4D	800	{147}	T4-4D	—
1966-63 B15/20D thru B125/140D		4D	800	{147}	T4-4D	—
1966-63 B150/175D thru B550/630D		8D	950	{179}	T4-8D	T4-4D
Gas Generator Sets, Water-Cooled						
1969-63 100F817		4D	800		T4-4D	—
1969-63 105F-1197, 125F-		8D	950	{147}	T4-8D	T4-4D
1969-63 B100A- thru B150A		8D	950	{147}	T4-8D	T4-4D
1969-63 B10A- thru B75A		30H	500		T4-31P	T4-31P+
1969-63 B50A-204-804		4D	800		T4-4D	—
1969-63 G Series models		30H	500		T4-31P	T4-31P+
1967-66 30G23, 50G34		55H	475		S4-55	—
1967-66 75UV549		55H	475		S4-55	—
Generator Sets						
1963-60 Models 150A- thru 350A		8D	950	{148}	T4-8D	T4-4D
1963-58 Models 40A- thru 125A		4D	800		T4-4D	—
1963-50 Models 3KA- thru 35A		30H	500		T4-31P	T4-31P+
Generator Sets, Air-Cooled						
1966-64 DA-10P – Diesel		30H	500	{147}	T4-31P	T4-31P+
1966-64 DA-150P – Diesel		30H	500	{147}	T4-31P	T4-31P+
1966-64 DA-350P, DA-6P – Diesel		30H	500	{147}	T4-31P	T4-31P+
1966-63 GS10000CR, GS15000CR		27	410		S4-27	S5515B
1966-63 GS2000		27	410		S4-27	S5515B
FARM KING						
Industrial						
1648 Plus		U1R	NA		—	—
Regent Pro		U1R	NA		—	—
Regent Sport		U1R	NA		—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

FIAT TRACTORS/FIATAGRI — FLAHERTY BRANCH

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

		O.E. CCA BC @ NO. 0°F			Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
FIAT TRACTORS/FIATAGRI						
See also HESSTON CORPORATION						
Crawlers						
1994-89	70-75C, 70-75M	4DLT	820		T4-4DLT	T4-4D{30}
1994-89	72-85C, 72-85M	4DLT	820		T4-4DLT	T4-4D{30}
1994-89	80-75C, 82-85C	4DLT	820		T4-4DLT	T4-4D{30}
1994-83	60-75V, 60-85V, 665C	30H	625		T4-31P	T4-31P+
FIATALLIS NORTH AMERICA, INC						
Crawler Tractors & Loaders						
1985-82	FD-5, FD-7, FL-5	27	345	{15}	S4-27	S5515B
1985-82	FL-7	27	345	{15}	S4-27	S5515B
1985-78	10C, 14C, 8B, FD20	4D	775	{15}	T4-4D	—
1985-78	FL10C, FL14C, FL20	4D	775	{15}	T4-4D	—
1985-78	FL9	4D	775	{15}	T4-4D	—
1985-69	21, 21B, 21C, 31	8D	975	{15}	T4-8D	T4-4D
1985-69	FD30, FD40, FD50	8D	975	{15}	T4-8D	T4-4D
1985-69	HD-21, HD-21B	8D	975	{148}	T4-8D	T4-4D
1985-69	HD-21C, HD-31, HD-41	8D	975	{148}	T4-8D	T4-4D
1985-69	HD-41B, HD-FD-30	8D	975	{148}	T4-8D	T4-4D
1981-68	12G, 16B, HD11, HD16	4D	775	{15}	T4-4D	—
1981-68	HD6, HD7G	4D	775	{15}	T4-4D	—
1976-68	HD-11, HD-12G, HD-16	4D	775	{15}	T4-4D	—
1976-68	HD-16B, HD-6, HD-7G	4D	775	{15}	T4-4D	—
Dozers & Excavators						
1985-82	FE-18	30H	545	{15}	T4-31P	T4-31P+
1985-64	D30, FE-20, FE-28	4D	775	{15}	T4-4D	—
1985-64	FE-40	4D	775	{15}	T4-4D	—
1966-63	D40	8D	975	{15}	T4-8D	T4-4D
Loaders						
2004-02	LV80	27	675		S4-27	S5515B
2004	CT315	27	675		S4-27	S5515B
1985-84	FR-30, FR-35	31T	625	{173}	T4-31	T4-31+
1985-81	FR-10, FR-12 – Optional	29H	655	{15}	T4-31P	T4-31P+
1985-81	FR-15, FR-20 – Optional	29H	655	{15}	T4-31P	T4-31P+
1985-81	FR-7 – Optional	29H	655	{15}	T4-31P	T4-31P+
1985-80	FR-10, FR-12, FR-15	30H	550	{173}	T4-31P	T4-31P+
1985-80	FR-20, FR-7	30H	550	{173}	T4-31P	T4-31P+
1985-72	345B, 545B, 605B	30H	545	{15}	T4-31P	T4-31P+
1984-75	945B	8D	975	{15}	T4-8D	T4-4D
1981-72	645B, 745C	4D	775	{15}	T4-4D	—
Motor Graders						
2004-02	329D, 333D, RG140	27	675		S4-27	S5515B
2004-02	RG170, RG200	27	675		S4-27	S5515B
1985-82	FG-85, FG-95	27	345	{15}	S4-27	S5515B
1985-79	65B	30H	550	{15}	T4-31P	T4-31P+
1985-73	100C, 150C, 200C	4D	775	{148}	T4-4D	—
1985-73	FG-75	4D	775	{148}	T4-4D	—
1978-71	M65, M65D, M65G	30H	545		T4-31P	T4-31P+
1971-61	145, 145T, 45, FG-85	5D	750	{173}	—	—
1971-61	D, DD	1	450	{15}	—	—
1971-61	FG-95, M-60, M-70	5D	750	{173}	—	—
Pipelayers & Tractor Scrapers						
1985-76	FP-60, PL-40	4D	775	{15}	T4-4D	—
1985-73	161, 260, 261, 262	8D	975	{15}	T4-8D	T4-4D
1985-73	263, FP-120	8D	975	{15}	T4-8D	T4-4D
FINN CORPORATION						
Blowers						
2008-06	B260, B40, B70	34	685		S4521B	S5521B
2008-06	BB1222/1208/1216	34	685		S4521B	S5521B
2008-06	Express, Krimper	34	685		S4521B	S5521B

		O.E. CCA BCI @ NO. 0°F			Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
FINN CORPORATION (Continued)						
Blowers (Continued)						
2008-02	BB302, BB302/705	34	685		S4521B	S5521B
2007-06	BB200 – Compact	34	685		S4521B	S5521B
2007-06	CT315	34	685		S4521B	S5521B
2007-06	Crawler Loaders – 655C S2	34	685		S4521B	S5521B
2007-02	450J Series, BB1240	34	685		S4521B	S5521B
2007-02	BB605, BB908/916	34	685		S4521B	S5521B
2007-02	CT322, CT332	34	685		S4521B	S5521B
2007	550J	34	685		S4521B	S5521B
2002	BB908	34	685		S4521B	S5521B
2000-98	302	34	685		S4521B	S5521B
2000-97	1240, 808, 816	27	675		S4-27	S5515B
Hydro Seeder						
2000-90	T-60	34	685		S4521B	S5521B
2000-87	T-120, T-90	34	685		S4521B	S5521B
1994-87	T-50	24	520		S3-24	S4-24
1990-86	T-110	24	520		S3-24	S4-24
1990-77	JD-4239, T-150	30H	550		T4-31P	T4-31P+
1990-77	T-170	30H	550		T4-31P	T4-31P+
1988-63	1770, Wisc. VH4D	24	400		S3-24	S4-24
1978-74	Ford 192G, T-150	24	335		S3-24	S4-24
1976-74	JD-4239, T-150	5D	830	{15}	—	—
1976-74	T-170	5D	830	{15}	—	—
Mulch Spreader						
2007-98	B-40	34	685		S4521B	S5521B
2007-95	B-70	34	685		S4521B	S5521B
2000-90	B-260	27	675		S4-27	S5515B
1997-87	C-15 Honda 340	U1	130		—	—
1995-87	B-70	24	520		S3-24	S4-24
1989-77	JD 6392D	30H	550		T4-31P	T4-31P+
1989-74	B-250 – Ford 300 Eng	24	520		S3-24	S4-24
1987-76	B-50	24	520		S3-24	S4-24
Seeder						
2008-97	T30	U1	130		—	—
2008-89	T170, T280, T330	27	675		S4-27	S5515B
2008-06	T75	34	685		S4521B	S5521B
2008-02	T120, T60, T90	34	685		S4521B	S5521B
2008	T400, Titan	34	685		S4521B	S5521B
2007-04	903K – Tracked	34	685		S4521B	S5521B
2007-02	759J, 853J – Tracked	34	685		S4521B	S5521B
2007-02	843 H	27	675		S4-27	S5515B
2007-02	843K – Wheeled	27	675		S4-27	S5515B
2007-02	853 G	U1	130		—	—
2007-02	903J – Tracked	34	685		S4521B	S5521B
2006-03	843J – Wheeled	27	675		S4-27	S5515B
2006-02	909J – Tracked	34	685		S4521B	S5521B
2002	753J – Tracked	34	685		S4521B	S5521B
Twin Jet Fire Ball						
1990-89	DD 4-53	27	650		S4-27	S5515B
1989-87	DD 4-53	30H	550		T4-31P	T4-31P+
1986-75	DD 4-53	8D	830	{15}	T4-8D	T4-4D
Utility						
2002	Eagle	34	685	{24}	S4521B	S5521B
FLAHERTY BRANCH						
BUFFALO SPRINGFIELD CO.						
Power Brooms & Rollers						
1968-60	Broom models	3EE	350		S4535B{31}	—
1968-60	Roll-Master	3EE	350		S4535B{31}	—
1962-59	All	1	500		—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL FLAHERTY BRANCH — FORD TRUCKS HEAVY DUTY

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR DESCRIPTION		O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
FLAHERTY BRANCH (Continued)						
Spread-Master Chip Spreaders						
1968-64	Model K – Diesel	24	320	{147}	S3-24	S4-24
1964-58	283B–4, 336–4	3EE	350		S4535B{31}	—
FMC						
Formerly CABLE CRANE & EXCAVATOR Also LINKBELT						
Power Shovels & Cranes						
1985-77	LS–718, LS–918	31T	625	{173}	T4-31	T4-31+
1985-72	LS–108B, LS–108C	4	655	{15}	—	—
1985-72	LS–98, LS–98PL	4	655	{15}	—	—
1985-71	HC–238, HC–238A	8D	975	{147}	T4-8D	T4-4D
1985-71	HC–258, HC–268	8D	975	{147}	T4-8D	T4-4D
1985-69	HC–138 – GM Eng	4	655	{15}	—	—
1985-69	HC–138 – Other Engs	8D	975	{147}	T4-8D	T4-4D
1985-69	HC–138A – GM Eng	4	655	{15}	—	—
1985-69	HC–138A – Other Engs	8D	975	{147}	T4-8D	T4-4D
1985-65	HC–208 – Waukesha, GM Eng	4	655	{15}	—	—
1985-65	HC–208, HC–218	8D	975	{147}	T4-8D	T4-4D
1985-65	HC–218 – Waukesha, GM Eng	4	655	{15}	—	—
1985-65	HC–218A – Waukesha, GM Eng	4	655	{15}	—	—
		8D	975	{147}	T4-8D	T4-4D
1985-63	HC–48A – All other Eng	24	375		S3-24	S4-24
1985-63	HC–48A w/DD 5–53 Eng Upper	4	655	{15}	—	—
1985-63	HC–48A w/DD–4–53 Eng Carrier	30H	380		T4-31P	T4-31P+
1985-61	1000, 1500, 2300	8D	975	{147}	T4-8D	T4-4D
1985-61	400	8D	975	{147}	T4-8D	T4-4D
1985-61	All TG, UC–108B	8D	975	{15}	T4-8D	T4-4D
1977-71	HT–150, HT–200	8D	975	{147}	T4-8D	T4-4D
1977-71	HT–300, HT–450	8D	975	{147}	T4-8D	T4-4D
1977-71	HTC–14, HTC–20	8D	975	{147}	T4-8D	T4-4D
1977-71	HTC–34, HTC–35	8D	975	{147}	T4-8D	T4-4D
1977-71	HTHC–25	8D	975	{147}	T4-8D	T4-4D
1977-68	YC–18, YC–24, YC–28	30H	380	{147}	T4-31P	T4-31P+
1977-68	YC–38, YC–48	30H	380	{147}	T4-31P	T4-31P+
1977-61	HC–108B, HC–108C	4	655	{15}	—	—
1975-61	190GLUB – Waukesha Eng	2	545	{15}	—	—
1975-61	195GK – Waukesha Eng	2	545	{15}	—	—
1975-61	LS–58 – Waukesha Eng	2	545	{15}	—	—
1975-61	LS–58, LS–68, LS–78	4	655	{15}	—	—
1975-61	LS–68 – Waukesha Eng	2	545	{15}	—	—
1975-61	LS–78 – Waukesha Eng	2	545	{15}	—	—
1975-61	LS–78LC – Waukesha Eng	2	545	{15}	—	—
		4	655	{15}	—	—
1972-63	HC–2000 – DD Eng	2	545	{15}	—	—
1972-63	HC–2000 – Other Engs	24	375		S3-24	S4-24
1972-63	HT–101 – DD Eng	2	545	{15}	—	—
1972-63	HT–101 – Other Engs	24	375		S3-24	S4-24
1971-62	77–78 – Waukesha 135GZ Eng	2	545	{15}	—	—
1971-62	77–78 – Exc GM Eng	4	655	{15}	—	—
1971-62	77–78 – Exc Waukesha Eng	4	655	{15}	—	—
1971-62	77–78 – GM 4082 Eng	8D	975	{15}	T4-8D	T4-4D
1971-61	98–108 – Waukesha Eng	2	545	{15}	—	—
1971-61	98–108 – Other Engs	4	655	{15}	—	—
1971-61	98–108 – Cummins Eng, Cat Eng	8D	975	{147}	T4-8D	T4-4D
1971-40	All 77 thru 208 – Optional	2	630	{15}	—	—

YEAR	DESCRIPTION	O.E. BC NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
FMC (Continued)						
Power Shovels & Cranes (Continued)						
	All 77 thru 208 – Optional	4	655	{148}	—	—
		8D	975	{15}	T4-8D	T4-4D
1967-64	K–300	2	545		—	—
1967-52	K–360 thru K–608 Series Optional	1	550		—	—
		2	660	{15}	—	—
		8D	900	{147}	T4-8D	T4-4D
1963-49	58 – Exc w/cat & Waukesha Eng	4	655	{179}	—	—
1963-49	68 – Exc w/cat & Waukesha Eng	4	655	{179}	—	—
1963-49	70 – Exc w/cat & Waukesha Eng	4	655	{179}	—	—
1963-49	Waukesha 190GLBU Eng	2	545	{147}	—	—
1963-49	w/Cat. D–311– D–315	2	545	{147}	—	—
FOOTE						
For 1956 and later, see BLAW-KNOX						
Blacktop & Concrete Pavers						
1955-49	Adnun, DHXB	4D	805	{147}	T4-4D	—
1955-49	All GM	8D	900		T4-8D	T4-4D
1955-49	Herc. DOOC	4D	805	{147}	T4-4D	—
1955-49	Herc. QXC–5, PF–90	2	525		—	—
1955-49	Hercules	4B	615		T4-4D	T4-8D
FORD NEW HOLLAND						
Formerly FORD, NEW HOLLAND & SPERRY NEW HOLLAND						
Additional equipment listed in the Farm Equipment section.						
Articulated Steer Loader & Backhoe						
1989-85	LB620	3ET	445	{15}	—	—
Articulated Steer Loaders & Leaf Loaders						
1991-85	710, L600	31T	625		T4-31	T4-31+
Industrial Tractors						
1991-75	All	4DLT	750		T4-4DLT	T4-4D{30}
Skid Steer						
1993-85	L553, L555, L781	31T	925		T4-31+	T6-31
1993-85	L783, L785	31T	925		T4-31+	T6-31
1993-84	L250	70	410		S4554B	S3559B{32}
1993-76	L452, L454 – Optional	55	410		S4-55	—
1993-76	L452, L454, L455	3ET	375	{147}	—	—
1993-76	L455, L555 – Optional	55	410		S4-55	—
1993-76	L555, L778	3ET	375	{147}	—	—
1993-76	L778 – Optional	55	410		S4-55	—
1993-71	L35, L784	24	375		S3-24	S4-24
1988-73	L554, L775, L779	24	410	{147}	S3-24	S4-24
1987-83	L553	55	410		S4-55	—
1985-74	L225, L325 – Optional	24	410		S3-24	S4-24
1985-74	L225, L325, L425	3ET	375	{147}	—	—
1985-74	L425, L445 – Optional	24	410		S3-24	S4-24
1985-74	L445, L451	3ET	375	{147}	—	—
1985-74	L451 – Optional	24	410		S3-24	S4-24
	LS190	35/75	600		—	—
FORD TRUCKS HEAVY DUTY						
Industrial						
1998-94	LA7000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LA8000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LL7000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LL8000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

FORD TRUCKS HEAVY DUTY — GALION MFG. CO.

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
FORD TRUCKS HEAVY DUTY (Continued)						
Industrial (Continued)						
1998-94	LLA7000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LLA8000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LLS7000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LLS8000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LN7000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LN8000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LNT7000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LNT8000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LS7000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LS8000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LT7000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LT8000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LTA7000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LTA8000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LTL7000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LTL8000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LTLA7000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LTLA8000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LTLS7000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LTLS8000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LTS7000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
1998-94	LTS8000 – Diesel w/Ford eng.	24	600	{1,15}	S4-24	S5507B
FOX RIVER TRACTOR						
Material Spreaders						
1967-63	All	22F	220		S3514B	S3560B
1962-57	All	1	375		—	—
Self-Propelled Forage Harvesters						
1967-66	SPF	30H	445		T4-31P	T4-31P+
1967-60	All Exc SPF	8D	900		T4-8D	T4-4D
FRAZER						
Industrial						
1952-51	XTS1250	1	NA		—	—
1952-47	All	1	NA		—	—
1949-47	RTX750	1	NA		—	—
FWD-WAGNER						
WAGNER, FWD						
Additional equipment listed in the Farm Equipment section.						
Compactors						
1971-66	All other	8D	900	{147}	T4-8D	T4-4D
1967-61	SF-17, WC-17, WC-24	4D	800	{15}	T4-4D	—
1967-61	WC-317	4D	800	{15}	T4-4D	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
FWD-WAGNER (Continued)						
Lift Trucks & Log Stackers						
1971-63	CH-50, L-120, L-130	8D	900	{147}	T4-8D	T4-4D
1971-63	L-24, P-70, P-80	8D	900	{147}	T4-8D	T4-4D
1971-63	P-90	8D	900	{147}	T4-8D	T4-4D
1971-59	L-24 Super, L-40	4D	800	{15}	T4-4D	—
1971-59	L-60, L-70, L-80	4D	800	{15}	T4-4D	—
1971-59	L-90, LJ-3-70	4D	800	{15}	T4-4D	—
1962-59	LJ-3-18, LJ-3-20	8D	900		T4-8D	T4-4D
1962-59	LJ-3-30	8D	900		T4-8D	T4-4D
GALAXY						
Floor Machines						
	B2000 – 36-volt	921	NR	{181}	—	—
GALION MFG. CO.						
Division of DRESSER INDUSTRIES, INC.						
Mobile Cranes						
1983-82	ML-40	30H	545	{148}	T4-31P	T4-31P+
1983-68	150A, 150FA, 150P	8D	975		T4-8D	T4-4D
1983-68	200F	8D	975		T4-8D	T4-4D
1983-65	125, 125A, 125F	8D	975		T4-8D	T4-4D
1983-65	125FA, 140F, 220A	8D	975		T4-8D	T4-4D
1983-65	220S, 80	8D	975		T4-8D	T4-4D
1980-62	125, 125A – Optional	27	345		S4-27	S5515B
1980-62	125F, 125FA – Optional	27	345		S4-27	S5515B
1980-62	140F, 220A – Optional	27	345		S4-27	S5515B
1980-62	220S, 80 – Optional	27	345		S4-27	S5515B
1979-70	150A, 150FA – Optional	27	340		S4-27	S5515B
1979-70	150P, 200F – Optional	27	340		S4-27	S5515B
1979-62	125, 125A – Optional	3	550	{15}	—	—
1979-62	125F, 125FA – Optional	3	550	{15}	—	—
1979-62	140F, 220A – Optional	3	550	{15}	—	—
1979-62	220S, 80 – Optional	3	550	{15}	—	—
1975-65	110A, 125A, 90A	3	550		—	—
1965-64	125 – Gas	27	375		S4-27	S5515B
1965-64	125 – Diesel	3	690	{15}	—	—
Pneumatic Tired Roller						
1983-76	3500	27	345		S4-27	S5515B
1983-76	3500 – Optional	3	550	{15}	—	—
1975-74	LW	27	650	{147}	S4-27	S5515B
Prime Movers & R.O.S.						
1982-80	25A – Optional	27	340		S4-27	S5515B
		3	550		—	—
		8D	975		T4-8D	T4-4D
1980-70	12-Oct	27	390		S4-27	S5515B
Road Graders						
1983-79	A450E, A500, A550	30H	545	{148}	T4-31P	T4-31P+
1983-79	A600, S450E	30H	545	{148}	T4-31P	T4-31P+
1983-70	A500E – Optional	4	680	{173}	—	—
1983-70	A500E, DD 4-71	8D	880		T4-8D	T4-4D
1983-70	DD 4-71 – Optional	4	680	{173}	—	—
1983-70	S500E – Optional	4	680	{173}	—	—
		8D	880		T4-8D	T4-4D
1983-60	503A, 503L	3	550	{15}	—	—
1983-59	DD 6-71 – Optional	4	680	{173}	—	—
1983-59	DD 6-71, T600C, T700	8D	880	{147}	T4-8D	T4-4D
1983-59	T600C, T700 – Optional	4	680	{173}	—	—
1982-72	503A, 503L – Optional	27	340		S4-27	S5515B
1982-68	T-400A	4	680	{173}	—	—
1977-73	T-500L – IHC Eng	4	680	{173}	—	—
1977-69	T-600B – IHC Eng	4	590	{173}	—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

GALION MFG. CO. — GARDNER-DENVER CANADA, INC.

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
GALION MFG. CO. (Continued)						
Road Graders (Continued)						
1977-58	T-500, T-500-A	8D	880	{147}	T4-8D	T4-4D
1977-58	T-600, T-600B, T-700	8D	880	{147}	T4-8D	T4-4D
1977-58	T500, T500A, T600	8D	880	{147}	T4-8D	T4-4D
1975-66	118 – IHC Eng, DD Eng	27	390	{15}	S4-27	S5515B
1975-66	118 – Diesel, IHC Eng	3	550	{147}	—	—
1975-66	118, 118A, 118B	8D	880	{147}	T4-8D	T4-4D
1975-66	118A – IHC Eng, DD Eng	27	390	{15}	S4-27	S5515B
1975-66	118A – Diesel, IHC Eng	3	550	{147}	—	—
1975-66	118B – IHC Eng, DD Eng	27	390	{15}	S4-27	S5515B
1975-66	118B – Diesel, IHC Eng	3	550	{147}	—	—
1975-66	118C – IHC Eng, DD Eng	27	390	{15}	S4-27	S5515B
1975-66	118C – Diesel, IHC Eng	3	550	{147}	—	—
		8D	880	{147}	T4-8D	T4-4D
1973-66	160, 160B, 160L, 303	8D	900	{147}	T4-8D	T4-4D
1973-66	JN130	8D	900	{147}	T4-8D	T4-4D
1973-59	104 – Diesel, GM Eng	8D	900	{147}	T4-8D	T4-4D
1973-59	104, 104B – IHC Eng	3	550	{147}	—	—
1973-59	104, 104B – Optional	4	790	{15}	—	—
1973-59	104B – Diesel, GM Eng	8D	900	{147}	T4-8D	T4-4D
1973-59	104H – IHC Eng	3	550	{147}	—	—
1973-59	104H – Optional	4	790	{15}	—	—
1973-59	104H – Diesel, GM Eng	8D	900	{147}	T4-8D	T4-4D
1967-59	303 – IHC Eng	27	375		S4-27	S5515B
1960-59	303, 450 – Optional	3	550		—	—
Road Planer						
1983	SP-600	30H	545	{173}	T4-31P	T4-31P+
1982-79	RP60	8D	975	{15}	T4-8D	T4-4D
1982-74	RP30, RP42	4	680	{173}	—	—
Rollers						
1967-63	12-Sep	27	375		S4-27	S5515B
1967-63	12-Sep – Diesel	3	690	{15}	—	—
1967-63	Gas Pneumatic	27	375		S4-27	S5515B
1967-52	Chief	3	690	{147}	—	—
1967-52	Retractable Wheel	3	690	{147}	—	—
1967-52	Warrior models	3	690	{147}	—	—
Tandem Rollers						
1983-61	S3-5, S4-6 – Optional	3	550	{15}	—	—
1983-61	S3-5, S4-6, S5-8	27	340		S4-27	S5515B
1983-61	S5-8 – Optional	3	550	{15}	—	—
1983-61	S8-10-1/2	27	340		S4-27	S5515B
1983-61	S8-10-1/2 – Optional	3	550	{15}	—	—
1983-52	12-Aug, 8-May	3	690	{147}	—	—
1983-52	S10-14, S8-12	3	690	{147}	—	—
1967-63	12-Aug – Optional	27	375		S4-27	S5515B
1967-63	13-20, 14-Oct – Diesel	3	690	{15}	—	—
1967-63	13-20, 14-Oct, 5-Mar	27	375		S4-27	S5515B
1967-63	5-Mar, 6-Apr – Diesel	3	690	{15}	—	—
1967-63	6-Apr	27	375		S4-27	S5515B
1967-63	8-May – Optional	27	375		S4-27	S5515B
1967-63	S10-14 – Optional	27	375		S4-27	S5515B
1967-63	S8-12 – Optional	27	375		S4-27	S5515B
Vibratory Rollers						
1983-79	VOS-2-66A, VOS-A66A	3	550	{15}	—	—
1983-79	VOS-D66A, VOSPD-66A	3	550	{15}	—	—
1983-71	PD84A – Optional	8D	975		T4-8D	T4-4D
1983-71	VOS-84A – Optional	8D	975		T4-8D	T4-4D
1983-71	VOS-A84A – Optional	8D	975		T4-8D	T4-4D
1983-71	VOS-D84A – Optional	8D	975		T4-8D	T4-4D
1983	PD84A, VOS-84A	30H	545	{15}	T4-31P	T4-31P+

YEAR	DESCRIPTION	O.E. BC NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
GALION MFG. CO. (Continued)						
Vibratory Rollers (Continued)						
1983	VOS-2-42A	55	380		S4-55	—
1983	VOS-A84A, VOS-D84A	30H	545	{15}	T4-31P	T4-31P+
GAR WOOD						
Formerly BUCKEYE						
Ditchers						
1973-63	300D – Diesel, Ford Eng	27	410		S4-27	S5515B
1973-63	300D – Gas	27	410		S4-27	S5515B
1973-63	300D, 300G – Diesel	8D	900		T4-8D	T4-4D
1973-63	300G – Diesel, Ford Eng	27	410		S4-27	S5515B
1973-63	300G – Gas	27	410		S4-27	S5515B
1973-63	400B – Diesel, Ford Eng	27	410		S4-27	S5515B
1973-63	400B – Gas	27	410		S4-27	S5515B
1973-63	400B, 403 – Diesel	8D	900		T4-8D	T4-4D
1973-63	403 – Diesel, Ford Eng	27	410		S4-27	S5515B
1973-63	403 – Gas	27	410		S4-27	S5515B
1973-58	310, 314, 315 – Diesel	8D	900	{147}	T4-8D	T4-4D
1973-58	318, 411AD – Diesel	8D	900	{147}	T4-8D	T4-4D
1965-64	120, 160 – Diesel	8D	900		T4-8D	T4-4D
1965-63	120, 160 – Gas	2	625		—	—
1962-58	Gas engines	2	625		—	—
Road Wideners						
1965-63	Gas engines	8D	900		T4-8D	T4-4D
1965-52	Diesel	8D	900	{147}	T4-8D	T4-4D
1962-52	Gas engines	2	600		—	—
Shovels & Truck Cranes						
1965-58	All other engines	8D	900	{147}	T4-8D	T4-4D
1962-58	100BT shovels	2	625		—	—
1962-58	75BT shovels	2	625		—	—
GARDNER-DENVER CANADA, INC.						
Compressors						
1985-63	SP-150	5D	720	{15}	—	—
1982-78	SAQTQ-A, SAQTR-B	8D	900	{15}	T4-8D	T4-4D
1982-78	SAUTT-B, SAUTW-B	8D	900	{15}	T4-8D	T4-4D
1982-78	SAWTX-B	8D	900	{15}	T4-8D	T4-4D
1982-78	SPKTK-A, SPNTN-A	8D	900		T4-8D	T4-4D
1982	D150QJD, D190QJD	24	340	{15}	S3-24	S4-24
1982	G150GIH, G190QIH	24	340	{15}	S3-24	S4-24
1981-76	SPERC-A, SPFDC	4D	640		T4-4D	—
1981-76	SPHDC, SPHDD, SPHDE	4D	640		T4-4D	—
1981-73	SPCGB, SPEVC-A	24	285		S3-24	S4-24
1981-73	SPFGA	24	285		S3-24	S4-24
1978-73	DPND8, SBWDC	8D	900	{15}	T4-8D	T4-4D
1978-73	SP-600DK, SPKD8	8D	900	{15}	T4-8D	T4-4D
1978-73	SPQDA, SPQDC, SPQDD	8D	900	{15}	T4-8D	T4-4D
1978-73	SPTDA, SPTDC, SPTDD	8D	900	{15}	T4-8D	T4-4D
1978-73	SPWDA, SPWDB	8D	900	{15}	T4-8D	T4-4D
1977-61	SP-125GA, SP-125GB	27	410		S4-27	S5515B
1977-61	SP-125GC, SPCDA	27	410		S4-27	S5515B
1977-61	SPHGB	27	410		S4-27	S5515B
1975-73	SPHGA	27	410		S4-27	S5515B
1975-61	SP-125IUGB	3EE	350		S4535B{31}	—
1975-61	SP-125UGA, SP-125UGC	3EE	350		S4535B{31}	—
1975-61	SPCGA	3EE	350		S4535B{31}	—
1973-61	SP-250DA	30HR	500		T4-31P	T4-31P+
1973-61	SP-250DC, SP-265DB	8D	900	{147}	T4-8D	T4-4D
1973-61	SP-365DB	8D	900	{147}	T4-8D	T4-4D
1973-57	RP-210DA, RP-210DB	4D	640	{147}	T4-4D	—
1973-57	SP-250DB, SP-250GA	4D	640	{147}	T4-4D	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

GARDNER-DENVER CANADA, INC. — GETMAN CORPORATION

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
GARDNER-DENVER CANADA, INC. (Continued)						
Compressors (Continued)						
1973-57	SP-265DA	4D	640	{147}	T4-4D	—
1973-56	RP-365, RP-600	8D	900	{147}	T4-8D	T4-4D
1973-56	RP-900, SP-1200	8D	900	{147}	T4-8D	T4-4D
1973-56	SP-600, SP-900	8D	900	{147}	T4-8D	T4-4D
1961-59	RP-125DA, RP-125DB	30H	450		T4-31P	T4-31P+
1961-59	RP-125DC	30H	450		T4-31P	T4-31P+
1961-58	RP-125DA, RP-210DA	1B	385		T4-4D{26}	—
1961-58	RP-85GA	2E	525		—	—
1961-57	RP-125GA, RP-125GB	2E	525		—	—
1961-57	RP-125GC, RP-125GD	2E	525		—	—
1961-57	RP-125GE, RP-210GA	2E	525		—	—
1961-57	RP-210GB	2E	525		—	—
GARRETT ENUMCLAW CO.						
ENUMCLAW						
Log Skidders, Sawmills & Tractors						
1975-69	21A	2	650	{15}	—	—
1975-68	12PSM-2, 25, 30, 30A	8D	880	{147}	T4-8D	T4-4D
1975-68	30TF, PSM-2	8D	880	{147}	T4-8D	T4-4D
1973-61	15TF – Gas, w/6–Volt	2E	450		—	—
1973-61	15TF – Diesel, w/6–Volt	3EE	300		S4535B{31}	—
1973-61	15TF – Gas, All 12–Volt	3EE	300		S4535B{31}	—
1972-69	21B, 22	30H	545	{15}	T4-31P	T4-31P+
1968-63	10, 20, 20TF, 21	1	500	{147}	—	—
1968	30TF	29NF	250	{173}	—	—
GEHL COMPANY (IC GROUP)						
Formerly TCI POWER PRODUCTS, INC.						
Asphalt Pavers						
2013	1448 Plus	49	680		S5533B	S6588B
2013	1648 Plus	24	675		S5521B	S5564B
2012-09	1640E	49	680		S5533B	S6588B
2012-07	1448 Plus	24	675		S5521B	S5564B
Bucket Loader						
1986-82	552	30H	545		T4-31P	T4-31P+
1982-70	551A	22F	300		S3514B	S3560B
Forklifts & Motor Graders						
1989-80	50, 727, 747, H4M40	30H	545		T4-31P	T4-31P+
1989-80	Herculift 40	30H	545		T4-31P	T4-31P+
1983-80	H4M50, H4M80	27F	400	{15}	S4-27F	S5516B
Placement Machine						
1989-83	546 (D4P60)	4D	750		T4-4D	—
1989-83	576 (D4P63), DM52	4D	750		T4-4D	—
1989-83	DM54	4D	750		T4-4D	—
1989-78	543 (D4P73), 544A	8D	1000		T4-8D	T4-4D
1989-78	548, 549, D4P100	8D	1000		T4-8D	T4-4D
1989-78	D4P80	8D	1000		T4-8D	T4-4D
Skid Steer						
2012-09	1648 Plus	24	675		S5521B	S5564B
1998-91	4625, 5625, 5635	31T	950		T4-31+	T6-31
1998-91	6625, 6635	31T	950		T4-31+	T6-31
1995-91	3825	24	650		S5521B	S5564B
1995-83	3310, 3410, 3725	45	440		S3-45	S4535B
1995-83	4525	45	440		S3-45	S4535B
Skid Steer Loaders						
2013	1640E	24	675		S5521B	S5564B

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
GENERAC MOBILE PRODUCTS						
Light Plants						
2017-14	MLT4200IF4	24	720		S5521B	S5564B
2017-13	MLT3060KV, MLT3060MV	24	440		S3-24	S4-24
2017-13	MLT4060K, MLT4060KV	24	440		S3-24	S4-24
2017-13	MLT4060M, MLT4060MV	24	440		S3-24	S4-24
2017-13	MLT4080KV, MLT4150MV	24	440		S3-24	S4-24
2017-13	MLT5060KV, MLT5060MV	24	440		S3-24	S4-24
2017-13	MLT5080KV	24	440		S3-24	S4-24
2017-10	MLT4080K	24	440		S3-24	S4-24
2015-13	MLT4200IV	24	720		S5521B	S5564B
2015-10	MLT3060K	24	440		S3-24	S4-24
2015-05	MLT4080M	24	440		S3-24	S4-24
2015-04	MLT5200	24	720		S5521B	S5564B
2015-02	MLT3060M	24	440		S3-24	S4-24
2014-10	MLT3080K, MLT3080KV	24	440		S3-24	S4-24
2014-05	MLT3080M	24	440		S3-24	S4-24
GENIE INDUSTRIES						
Articulating Boom Lifts						
	Z-20/8 – 48-volt	901	NR	{320}	—	—
	Z-20/8N – 48-volt	901	NR	{320}	—	—
	Z-25/8 – 48-volt	901	NR	{320}	—	—
	Z-30/20 – 48-volt	901	NR	{320}	—	—
	Z-30/20N – 48-volt	901	NR	{320}	—	—
	Z-30/20NRJ – 48-volt	901	NR	{320}	—	—
	Z-34/22 – 48-volt	901	NR	{320}	—	—
	Z-34/22N – 48-volt	901	NR	{320}	—	—
	Z-45/22 BI FUEL – 48-volt	901	NR	{320}	—	—
	Z-45/22 DC – 48-volt	901	NR	{320}	—	—
	Z-45/22 TRI FUEL – 48-volt	901	NR	{320}	—	—
	Z-45/25 DC – 48-volt	901	NR	{320}	—	—
	Z-45/25 EB – 48-volt	901	NR	{320}	—	—
Runabouts						
	GR-12 OPTIONAL – 24-volt	GC2H	NR	{173}	—	—
	GR-12, GR-16 – 24-volt	GC2	NR	{173}	—	—
	GR-16 Optional – 24-volt	GC2H	NR	{173}	—	—
	GR-8 – 24-volt	GC2	NR	{173}	—	—
	GR-8 Optional – 24-volt	GC2H	NR	{173}	—	—
Scissor Lifts						
	GS-1530 – 24-volt	GC2H	NR	{173}	—	—
	GS-1930 – 24-volt	GC2H	NR	{173}	—	—
	GS-2032 – 24-volt	GC2H	NR	{173}	—	—
	GS-2046 – 24-volt	GC2H	NR	{173}	—	—
	GS-2646 – 24-volt	GC2H	NR	{173}	—	—
	GS-2688 – 24-volt	GC2H	NR	{173}	—	—
	GS-3246 – 48-volt	903	NR	{320}	—	—
	GS-3268 – 48-volt	903	NR	{320}	—	—
Trailer Mounted Boom						
	TMZ-34/19 – 24-volt	GC2H	NR	{173}	—	—
	TMZ-50/30 – 24-volt	GC2H	NR	{173}	—	—
	TZ-34/20 – 24-volt	GC2H	NR	{173}	—	—
	TZ-50 – 24-volt	GC2H	NR	{173}	—	—
GETMAN CORPORATION						
Articulated Drill & Ore Carriers						
1993-81	1200-DJC – Optional	30H	380		T4-31P	T4-31P+
1993-81	1248 – Optional	30H	380		T4-31P	T4-31P+
1993-81	640-DJC, 644 – Optional	30H	380		T4-31P	T4-31P+
1993-81	800-DJC – Optional	30H	380		T4-31P	T4-31P+
1993-76	1200-DJC, 1248	4D	760	{147}	T4-4D	—
1993-76	640-DJC, 644	4D	760	{147}	T4-4D	—

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INDUSTRIAL GETMAN CORPORATION — GRADALL

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YEAR	DESCRIPTION	O.E.	CCA	Notes	Replacement Options	
		BCI NO.	@ 0°F		Option 1	Option 2
GETMAN CORPORATION (Continued)						
Articulated Drill & Ore Carriers (Continued)						
1993-76	800-DJC	4D	760	{147}	T4-4D	—
Articulated Utility Carrier & Utility Cruiser						
1993-75	A-64, R-42, R-62	4D	760	{147}	T4-4D	—
Low Profile Utility						
1993-82	200, 220	4D	760	{147}	T4-4D	—
Mining Trucks & Utility Cruisers						
1992-71	Pipe Hanger M-64-PH	4D	760	{147}	T4-4D	—
1992-71	R-42, R-62	4D	760	{147}	T4-4D	—
1992-71	Scaler S-300	4D	760	{147}	T4-4D	—
1990-66	Fuel Truck	4D	760		T4-4D	—
1990-66	Lube Truck M-64-L	4D	760		T4-4D	—
1990-66	Medi-Bore, Univ. III	4D	760		T4-4D	—
1990-63	AD-1025, KD-6	4D	760		T4-4D	—
1977-63	Dispatch	27	465		S4-27	S5515B
1970-50	T-52, T-70, WN-12	24	500		S3-24	S4-24
1970-47	D-52, D-70, JN-52	24	420		S3-24	S4-24
1970-47	KD-2, KD-3, N-12	24	420		S3-24	S4-24
1970-47	N-50, N-52	24	420		S3-24	S4-24
1967-63	AD-1025 - Optional	4D	790		T4-4D	—
1967-63	KD-6 - Optional	4D	790		T4-4D	—
1967-57	D-52, D-70 - Optional	27	375		S4-27	S5515B
1967-57	KD-2, KD-3 - Optional	27	375		S4-27	S5515B
Trimmer						
1990-63	B-500	4D	760		T4-4D	—
1967-63	B-500 - Optional	4D	790		T4-4D	—
GOMACO CORPORATION						
Cold Planers & Conveyors						
1991-79	Scaraplane I	8D	840	{147}	T4-8D	T4-4D
1991-79	Scaraplane II	8D	840	{147}	T4-8D	T4-4D
1991-75	RC	16TF	545		—	—
1986-75	RC - Optional	24	390		S3-24	S4-24
Curb & Gutter						
1998-96	GT-3200	24	900		—	—
1998-90	CC-1200	24	515		S3-24	S4-24
1998-87	GT-3300, GT-3600	31T	625		T4-31	T4-31+
1998-75	BP-6400, GT-6300	8D	850		T4-8D	T4-4D
1992-75	GT-6000, GT-6200	16TF	545		—	—
1991-83	EC-1000	U1	235		—	—
Finishers						
1998-92	C-650	24	900		—	—
1998-91	C-700 - Console	24	515		S3-24	S4-24
1998-91	C-700 Carriage	U1	230		—	—
1998-90	20hp	U1	230	{15}	—	—
1998-83	SL-450 12hp	U1	230		—	—
1998-83	SL-450 16hp	U1	230		—	—
1998-75	C-450	U1	230	{15}	—	—
1991-82	C-650 2-cyl., RP-510	24	390		S3-24	S4-24
1991-80	C-650 3-cyl., HW-165	16TF	545		—	—
1991-80	LS-300	16TF	545		—	—
Grade Trimmers & Pavers						
1998-93	GHP-2800, GP-2600	8D	1150		T4-8D	—
1998-80	GP-2000, GP-2500	8D	850	{147}	T4-8D	T4-4D
1998-80	GP-2500B, GP-3000	8D	850	{147}	T4-8D	T4-4D
1998-80	GP-3500, GP-4000	8D	850	{147}	T4-8D	T4-4D
1998-80	GP-5000	8D	850	{147}	T4-8D	T4-4D
1998-78	8500B, 9000, 9500	8D	850	{147}	T4-8D	T4-4D
1998-78	GT8500, HW-165	8D	850	{147}	T4-8D	T4-4D
1998-78	HW-165B	8D	850	{147}	T4-8D	T4-4D
1986-75	C-650, C-650F	24	390		S3-24	S4-24

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
GOMACO CORPORATION (Continued)						
Grade Trimmers & Pavers (Continued)						
1986-75	C-650S, RP-510	24	390		S3-24	S4-24
1984-78	C-450	U1	200		—	—
Leaf Collectors & Scavengers						
1953	All	1	525		—	—
Placers/Spreaders						
1998-90	PS-2600, PS-60	8D	1150		T4-8D	—
1991-85	PS-30	16TF	545		—	—
1991-85	PS-48	8D	850		T4-8D	T4-4D
Texture/Cure						
1998-92	TC-400	24	900		—	—
1998-92	TC-600 Deutz Eng	24	900		—	—
1994-83	All Others	16TF	545		—	—
GRACO						
Scrubber						
	I-20 - 24-volt	16TF	NR	{15}	—	—
	I-2000 - 36-volt	921	NR	{181}	—	—
	I-24 - 36-volt	GC2	NR	{178}	—	—
	I-32 - 36-volt	902	NR	{178}	—	—
	Saturn I-16 - Optional, 24-volt	24	NR	{3,15}	—	—
	Saturn I-16 - 24-volt	921	NR	{15}	—	—
	Saturn I-20 - 24-volt	24	NR	{3,15}	—	—
	Saturn I-26 - 24-volt	921	NR	{15}	—	—
GRADALL						
Formerly WARNER & SWASEY						
Crawler Excavators						
2013-08	XL4200 III	31T	1000	{15}	T4-31+	—
2013-08	XL4210 III	31T	1000	{15}	T4-31+	—
2013-08	XL5200 III	31T	1000	{15}	T4-31+	—
2013-08	XL5210 III	31T	1000	{15}	T4-31+	—
2013	XL3200 III	31T	1000	{15}	T4-31+	—
2013	XL3210 III	31T	1000	{15}	T4-31+	—
2011-08	XL3200 III	31T	1000	{15}	T4-31+	—
2011-08	XL3210 III	31T	1000	{15}	T4-31+	—
Forklift						
1997-96	544C-10, 544D-10	34	810		S5521B	S5564B
1997-91	522, 524, 532C-6	31T	825		T4-31+	T6-31
1997-91	534C-10, 534C-6	31T	825		T4-31+	T6-31
1997-91	534C-6T, 534C-9	31T	825		T4-31+	T6-31
1997-91	534D-10, 534D-6	31T	825		T4-31+	T6-31
1997-91	534D-6T, 534D-9	31T	825		T4-31+	T6-31
1994-80	532, 534B	27	600	{147}	S4-27	S5515B
1993-84	544 - Diesel	31T	600		T4-31	T4-31+
1993-84	LPR-60	31T	600		T4-31	T4-31+
1993-75	552, 554 - Diesel	27	600	{147}	S4-27	S5515B
1993-75	LT60, MT80	27	600	{147}	S4-27	S5515B
1992-80	542	27	600	{147}	S4-27	S5515B
1983-75	534 - Diesel	31T	620	{15}	T4-31	T4-31+
Truck Engines						
1993-85	G-660, G-660E	27F	600	{177}	S4-27F	S5516B
1993-85	G-880E	27F	600	{177}	S4-27F	S5516B
1993-85	G3WD, XL-4100	31T	810	{15}	T4-31+	T6-31
1993-85	XL-5100	31T	810	{15}	T4-31+	T6-31
1993-72	G-880, G3R	8D	1115		T4-8D	—
1989-85	G-880 - Optional	24F	600	{148}	S4-24F	S5508B
1985-83	G3W	30H	510		T4-31P	T4-31P+
1985-81	G3W - Optional	8D	1115		T4-8D	—
1985-80	G-1000	8D	900	{15}	T4-8D	T4-4D

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INDUSTRIAL GRADALL — HAULOTTE

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
GRADALL (Continued)						
Truck Engines (Continued)						
1985-69	G-660 – Optional	8D	1115		T4-8D	—
1985-69	G-660E – Optional	8D	1115		T4-8D	—
1985-69	G-880E – Optional	8D	1115		T4-8D	—
1984-83	G-660 – Optional	30H	510		T4-31P	T4-31P+
1984-83	G-660E – Optional	30H	510		T4-31P	T4-31P+
1984-83	G-880E – Optional	30H	510		T4-31P	T4-31P+
Upper Engines						
1998-97	XL-2200	31T	810		T4-31+	T6-31
1998-92	XL-4000, XL-5000	31T	800	{15}	T4-31+	T6-31
1993-72	G-660, G-880, G3W	8D	1115		T4-8D	—
1986-59	G-1000	30H	520	{15}	T4-31P	T4-31P+
Wheeled Excavators						
2013-09	XL5300 III	31T	1000	{15}	T4-31+	—
2013-08	XL3300 III	31T	1000	{15}	T4-31+	—
2012-08	XL3100 III	31T	1000	{15}	T4-31+	—
2012-07	XL4100 III	31T	1000	{15}	T4-31+	—
2012-07	XL5100 III	31T	1000	{15}	T4-31+	—
2011-01	XL5110	31T	1000	{15}	T4-31+	—
GRIMMER SCHMIDT CORP.						
Portable Air Compressors						
1998-89	185DR	31T	625		T4-31	T4-31+
1998-82	185D	31T	625		T4-31	T4-31+
1997-84	100D, 100Q, 125D	31T	625		T4-31	T4-31+
1995-85	190JD, 250DR, 250MD	31T	625	{147}	T4-31	T4-31+
1995-85	260D, 275D, 345D	31T	625	{147}	T4-31	T4-31+
1995-85	375D, 375DR, H190D	31T	625	{147}	T4-31	T4-31+
1995-82	105Q, 125Q – Optional	31T	625		T4-31	T4-31+
		71	390		S4554B	S3559B(32)
		73	500		S4554B	S3559B(32)
1995-82	150D, 150Q – Optional	71	390		S4554B	S3559B(32)
		73	500		S4554B	S3559B(32)
1995-82	150D, 150Q, 160D	31T	625		T4-31	T4-31+
1995-82	160D, 165CNG – Optional	71	390		S4554B	S3559B(32)
		73	500		S4554B	S3559B(32)
1995-82	165CNG, 175-QD, 175Q	31T	625		T4-31	T4-31+
1995-82	175-QD, 175Q – Optional	71	390		S4554B	S3559B(32)
		73	500		S4554B	S3559B(32)
1995-82	175QG – Optional	31T	625		T4-31	T4-31+
		71	390		S4554B	S3559B(32)
1995-82	175QG, 185D – Optional	73	500		S4554B	S3559B(32)
1995-82	185D – Optional	71	390		S4554B	S3559B(32)
1995-81	1300D, 425TT, 600TT	31T	625	{147}	T4-31	T4-31+
1995-81	636-31B, 800D	31T	625	{147}	T4-31	T4-31+
1995-81	903-41B	31T	625	{147}	T4-31	T4-31+
1990-88	35G	U1	225		—	—
GROVE						
(see MARLIFT)						
GROVE MANLIFT						
Articulating Boom						
	AMA36E – 48-volt	903	NR	{320}	—	—
	AMZ36E – 48-volt	903	NR	{320}	—	—
	AMZ39NE – 48-volt	903	NR	{320}	—	—
	AMZ46E – 48-volt	903	NR	{320}	—	—
	AMZ46NE – 48-volt	903	NR	{320}	—	—
	AMZ51E – 48-volt	903	NR	{320}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
GROVE MANLIFT (Continued)						
Scissor Lift						
	SM2232E – 24-volt	GC2	NR	{173}	—	—
	SM2532 – 24-volt	GC2	NR	{173}	—	—
	SM2632E – 24-volt	GC2	NR	{173}	—	—
	SM2646E – 24-volt	GC2	NR	{173}	—	—
	SM2646E – Optional 24-volt	901	NR	{173}	—	—
		902	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	SM3160E – 24-volt	GC2	NR	{173}	—	—
	SM3160E – Optional 24-volt	902	NR	{173}	—	—
		903	NR	{173}	—	—
	SM3184E – 48-volt	903	NR	{320}	—	—
	SM3884E – 48-volt	903	NR	{320}	—	—
	SM4688E – 48-volt	903	NR	{320}	—	—
HAKO, MINUTEMAN						
Burnishers						
	1200B – 48-volt	GC2	NR	{320}	—	—
	2200, M-2600 – 36-volt	921	NR	{181}	—	—
	M2700-ABS – 36-volt	921	NR	{181}	—	—
Scrubber						
	170 – Optional, 24-volt	27	NR	{3,15}	—	—
	170, 175, ACS – 24-volt	24	NR	{3,15}	—	—
	175 – Optional, 24-volt	27	NR	{3,15}	—	—
	200, 205 – 24-volt	921	NR	{15}	—	—
	24B, 32B, 320 – 36-volt	GC2	NR	{178}	—	—
	260 (After '96) – 24-volt	901	NR	{173}	—	—
	260 (Prior to '97) – 24-volt	921	NR	{15}	—	—
	265 – 24-volt	901	NR	{173}	—	—
	ACS – Optional, 24-volt	GC2	NR	{173}	—	—
	B53, SBR50 – 24-volt	GC2	NR	{173}	—	—
	MC32037 – 36-volt	GC2	NR	{178}	—	—
	SB100 – 36-volt	903	NR	{178}	—	—
	SBR60 – 24-volt	GC2	NR	{173}	—	—
	SBR70, SBR85 – 36-volt	GC2	NR	{178}	—	—
Sweeper, Vacuum						
	747B – 24-volt	24	NR	{3,15}	—	—
Sweepers						
	1000B, 950 – 24-volt	GC2	NR	{173}	—	—
	1100 – 24-volt	GC2	NR	{320}	—	—
	800 – Optional, 24-volt	27	NR	{3,15}	—	—
	800 – 24-volt	31	NR	{3,15}	T5-31	T6-31DC
	Flipper FE – 24-volt	U1	NR	{15,17}	—	—
	KS52 – Gas, All 12-Volt	U1	NR	{17}	—	—
	KS57 – 24-volt	GC2	NR	{173}	—	—
	Kleen Sweep 35 – 12-volt	921	NR		—	—
Vacuum						
	VAC-35 – 24-volt	GC2	NR	{173}	—	—
HAULOTTE						
Aerial Work Platform						
	45XA / HLA 16 PX – 24-volt	GC2	NR	{173}	—	—
	55XA / HLA 19 PX – 24-volt	GC2	NR	{173}	—	—
	Lite Riser 10 – 24-volt	27	NR	{3,147}	—	—
Articulating Boom						
	HA33JE – 48-volt	903	NR	{320}	—	—
	HA43JE – 48-volt	903	NR	{320}	—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL HAULPAK DIVISION — HOBART

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
HAULPAK DIVISION						
KOMATSU DRESSER COMPANY, KOMATSU Formerly WABCO, J. D. ADAMS						
Coal Haulers						
1975-63	BFA-10, BFA-13	30H	500		T4-31P	T4-31P+
1975-63	CFA-17, CFA-2	30H	500		T4-31P	T4-31P+
1964-59	CFA-4, LW-90	60	350		S3-24(29)	S3-24F(29)
Dump Trucks						
1997-87	140M, 210M, 385M	60	350	{15,171}	S3-24(29)	S3-24F(29)
1997-87	530M	8D	900	{15}	T4-8D	T4-4D
1995-88	325M	30H	545	{15,168}	T4-31P	T4-31P+
1988-80	BFA-24, BFA-25	8D	900	{15}	T4-8D	T4-4D
1988-80	BFA-27	8D	900	{15}	T4-8D	T4-4D
1988-80	BFA-30 – Optional	8D	900	{15}	T4-8D	T4-4D
1988-80	BFA-34	8D	900	{15}	T4-8D	T4-4D
1988-75	BFA-30, BFA-32	30H	545	{15,168}	T4-31P	T4-31P+
1988-75	BFA-33, BFA-34	30H	545	{15,168}	T4-31P	T4-31P+
1988-75	BFA-36, BFA-39	30H	545	{15,168}	T4-31P	T4-31P+
1988-63	AFH-26, AFH-33	30H	545	{147}	T4-31P	T4-31P+
1988-63	BFA-12, BFA-15	30H	545	{147}	T4-31P	T4-31P+
1988-63	BFA-17, BFA-21	30H	545	{147}	T4-31P	T4-31P+
1988-63	BFA-22, BFA-23	30H	545	{147}	T4-31P	T4-31P+
1988-63	BFA-3, BFA-5, BFA-6	30H	545	{147}	T4-31P	T4-31P+
1988-63	BFA-9	30H	545	{147}	T4-31P	T4-31P+
1988-60	CFA-20, CFA-21	8D	900	{15}	T4-8D	T4-4D
1988-60	CFA-22, CFA-23	8D	900	{15}	T4-8D	T4-4D
1988-60	LW-22, LW-27, LW-32	8D	900	{15}	T4-8D	T4-4D
1975-63	CFA-10, CFA-14	30H	545	{15,168}	T4-31P	T4-31P+
1975-63	CFA-19, CFA-3, CFF-3	8D	900	{15}	T4-8D	T4-4D
1975-63	CFA-19, CFA-5, CFA-8	30H	545	{15,168}	T4-31P	T4-31P+
1975-63	CFA-9	30H	545	{15,168}	T4-31P	T4-31P+
1962-60	LW-60	60	350		S3-24(29)	S3-24F(29)
Electric Trucks						
1997-96	930E	8D	935	{171,173}	T4-8D	T4-4D
1997-88	445E, 510E – Optional	8D	935	{171,173}	T4-8D	T4-4D
1997-88	445E, 510E, 630E	30H	545	{15,168}	T4-31P	T4-31P+
1997-88	630E, 685E – Optional	8D	935	{171,173}	T4-8D	T4-4D
1997-88	685E	30H	545	{15,168}	T4-31P	T4-31P+
1997-88	730E, 830E – Optional	8D	935	{171,173}	T4-8D	T4-4D
1997-88	830E	8D	580	{15,168}	T4-8D	T4-4D
1988-72	AFE-20, AFE-21	30H	545	{15}	T4-31P	T4-31P+
1988-72	AFE-22, AFE-25	30H	545	{15}	T4-31P	T4-31P+
1988-72	AFE-27, AFE-28	30H	545	{15}	T4-31P	T4-31P+
1988-72	AFE-29	30H	545	{15}	T4-31P	T4-31P+
1986-82	AFE-34, AFE-35	30H	545	{15}	T4-31P	T4-31P+
1986-82	AFE-36, AFE-37	30H	545	{15}	T4-31P	T4-31P+
1986-82	AFE-38, AFE-39	30H	545	{15}	T4-31P	T4-31P+
1986-82	AFE-40, AFE-41	30H	545	{15}	T4-31P	T4-31P+
1980-72	AFE-10, AFE-12	30H	545	{15}	T4-31P	T4-31P+
1980-72	AFE-13, AFE-14	30H	545	{15}	T4-31P	T4-31P+
1980-72	AFE-15, AFE-17	30H	545	{15}	T4-31P	T4-31P+
1980-72	AFE-19, AFE-6, AFE-8	30H	545	{15}	T4-31P	T4-31P+
1975-67	AFE-5	8D	900	{15}	T4-8D	T4-4D
Motor Graders						
1981-70	444, 44T, 555	7D	680	{148}	—	—
1975-46	All – Exc Cummins C-160B1 Eng	4	750	{148}	—	—
1975-46	w/Cummins C-160B1 Eng	7D	680	{15}	—	—
Scrapers						
1981-76	222-G, 229-G	8D	900	{15}	T4-8D	T4-4D
1981-76	CM50 Crane	8D	900	{15}	T4-8D	T4-4D
1981-75	101-F, 101-G	4D	775	{15}	T4-4D	—
1981-75	252-FT, 259-FT	8D	900	{15}	T4-8D	T4-4D

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
HAULPAK DIVISION (Continued)						
Scrapers (Continued)						
1981-75	333-F, 333-FT, 339-F	8D	900	{15}	T4-8D	T4-4D
1981-75	353-FT	8D	900	{15}	T4-8D	T4-4D
1978-75	111-A	1	450	{173}	—	—
Speedpulls & Tournapulls						
1973-59	D models	1	500	{173}	—	—
1964-59	BK2, CKF3	8D	850	{147}	T4-8D	T4-4D
Tournatractors & Travel Loaders						
1972-59	C, CW	1	500	{174}	—	—
1960-50	30 – IHC Eng	2	660		—	—
1960-50	30 – DD Eng	4	750	{15}	—	—
HENRY J						
Industrial						
1955-51	All	1	NA		—	—
HESSTON CORPORATION						
Crawler Tractors						
1990-84	70-65C, 95-55C	4DLT	820		T4-4DLT	T4-4D{30}
1990-79	120C, 605C, 655C	30H	625		T4-31P	T4-31P+
1990-79	805C, 955C	30H	625		T4-31P	T4-31P+
HIGHWAY EQUIPMENT CO.						
Fertilizer & Aggregate Spreaders						
1993-91	Aerospread	30H	550		T4-31P	T4-31P+
1993-62	Salt, Sand	24	250		S3-24	S4-24
1975-60	6-Volt systems	1	440		—	—
1971-60	H&E, L-20, L-30	24	250		S3-24	S4-24
1971-60	SM-5, SM-8	24	250		S3-24	S4-24
Tender						
1993-82	LT-10, LT-16, LT-6	24	250		S3-24	S4-24
1993-82	LT-8	24	250		S3-24	S4-24
HILD						
Burnishers						
	Contender 2000 – 36-volt	921	NR	{181}	—	—
	Contender 2001 – 36-volt	921	NR	{181}	—	—
Scrubber						
	TR-26 – 24-volt	901	NR	{15}	—	—
HILLMAN						
Industrial						
1966-45	All	24	NA		—	—
HITACHI CONSTRUCTION MACHINERY						
Excavators						
1989-88	EX1000, EX1800	8D	1150	{148}	T4-8D	—
1989-88	EX3500, EX400	8D	1150	{148}	T4-8D	—
1989-86	EX100, EX100WD	4D	580	{15}	T4-4D	—
1989-86	EX150	4D	580	{15}	T4-4D	—
1989-84	EX200, UH083	4D	670	{15}	T4-4D	—
1989-84	EX270, UH123, UH181	4D	1000	{15}	T4-4D	—
1989-75	UH122, UH14, UH171	8D	950	{15}	T4-8D	T4-4D
1989-75	UH172, UH20, UH261	8D	950	{15}	T4-8D	T4-4D
1989-75	UH30, UH501, UH801	8D	950	{15}	T4-8D	T4-4D
1985-75	UH07, UH07-3, UH081	4DLT	790	{15}	T4-4DLT	T4-4D{30}
1985-75	UH082, UH09	4DLT	790	{15}	T4-4DLT	T4-4D{30}
HOBART						
	CHAMP 1435	U1	NA		—	—
		U1	NA		—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

INDUSTRIAL HOOVER — INGERSOLL-RAND CO.

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YEAR DESCRIPTION		O.E. CCA		Notes	Replacement Options	
		BCI NO.	@ 0°F		Option 1	Option 2
HOOVER						
Floor Machines						
C6075, C6077		GC2	NR	{178}	—	—
Scrubmax		GC2	NR	{178}	—	—
HUDSON						
Industrial						
1957-56 All		24	NA		—	—
1955 All		1	NA		—	—
1954-53 Jet		1	NA		—	—
1954-37 All ex. 54–53 Jet		2L	NA		—	—
HY-DYNAMIC DIVISION						
Backhoe Loaders						
1984-68 Series 3 200–4		8D	975		T4-8D	T4-4D
1984-65 140, 160, 190, 190–4		30H	385	{15}	T4-31P	T4-31P+
1984-65 1900, A, C, Series 3		30H	385	{15}	T4-31P	T4-31P+
1979-64 140, A		3EE	380		S4535B{31}	—
1969-63 120, 130, A, C		24	305	{147}	S3-24	S4-24
1962-60 A, C		3	690	{173}	—	—
Excavators & Hydraulic Cranes						
1975-66 250 – Waukeska Eng		2	545	{15}	—	—
1975-66 All – Exc Waukesha Eng		30H	800	{15}	T4-31P+	T6-31P
1973-72 220E		8D	975		T4-8D	T4-4D
HYSTER COMPANY						
COMPACTION AMERICA						
Compactors						
1999-94 C530A, C530AH		31T	900		T4-31+	T6-31
1997-93 C560A		NA	610	{170}	—	—
1993-75 C530A		3ET	425	{15}	—	—
1987-73 C440–441A, C450–455B		8D	900	{147}	T4-8D	T4-4D
1976-69 C550A – Optional		3ET	385	{15}	—	—
		8D	975		T4-8D	T4-4D
1975-67 C530A		24	335		S3-24	S4-24
Compactors						
1999-94 C810/812A		24	580		S4-24	S5507B
1999-92 C855/857A, CB50/852B		31T	900		T4-31+	T6-31
1999-88 C820/822A, C830/832B		31T	900		T4-31+	T6-31
1999-88 C850/860B		31T	900		T4-31+	T6-31
1999-87 C748, C754A, C766A		31T	900		T4-31+	T6-31
1999-87 C766B, C766C, C778A		31T	900		T4-31+	T6-31
1999-87 C778B		31T	900		T4-31+	T6-31
1989-72 C610B, C612B, C615B		3ET	425	{15}	—	—
1989-72 C620B, C625B		3ET	425	{15}	—	—
1987-84 C830/832A, C850/860A		30H	460	{15}	T4-31P	T4-31P+
1987-72 C617B, C620A, C625A		3ET	425	{15}	—	—
1987-72 C627B, C727A, C747A		3ET	425	{15}	—	—
1987-62 C200B, C210A – Diesel		2	560	{15}	—	—
1987-62 C200B, C210A – Gas		24	385		S3-24	S4-24
1975-68 C225A, C250A, C610A		8D	900		T4-8D	T4-4D
1975-68 C615A		8D	900		T4-8D	T4-4D
Cranes						
1979-74 D360, K200, K250		8D	935		T4-8D	T4-4D
1979-74 K300, K400		8D	935		T4-8D	T4-4D
Rough Terrain Lift Truck						
1990-88 Z–60A, Z–70A, Z–90C		31T	900		T4-31+	T6-31
1990-83 Z–80A, Z–90A, Z–90B		29NF	330	{147}	—	—
1989-83 P–60A–80A – Diesel		3EE	290	{15}	S4535B{31}	—
1989-83 P–60A–80A – Gas		3ET	425		—	—
1987-83 P–40A–50A – Gas		24	335		S3-24	S4-24
1987-83 P–40A–50A – Diesel		30H	460		T4-31P	T4-31P+

		O.E. CCA BCI @ NO. 0°F			Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
HYSTER COMPANY (Continued)						
Rough Terrain Lift Truck (Continued)						
1984-83	A–66	29NF	330	{147}	—	—
Steel Propelled Aerial Work Platform						
1987-79	M–18FW – Electric	16TF	545	{15}	—	—
1987-79	T–30, T–40NA	30H	370		T4-31P	T4-31P+
1987-77	V–24, V–30A, V–30B	24	385		S3-24	S4-24
1987-77	V–36A, V–36B	24	385		S3-24	S4-24
1987-76	T–40, T–60B, T–70B	GC2	NA	{148}	—	—
1987-76	V–18A	GC2	NA	{148}	—	—
1987-76	V–18NA, V–24 – Electric	GC2	NA	{148}	—	—
Steel Wheel Rollers						
1997-75	350D, C330B, C340C	31T	900		T4-31+	T6-31
1987-86	C330A	30H	460		T4-31P	T4-31P+
1987-75	C340A, C340B – Diesel	3ET	385	{15}	—	—
1987-75	C350B, C350C – Diesel	3ET	385	{15}	—	—
1987-73	C340A, C340B – Gas	24	380		S3-24	S4-24
1987-73	C350B, C350C – Gas	24	380		S3-24	S4-24
1985-82	C330A – Optional	30H	460		T4-31P	T4-31P+
1985-75	C330A	24	380		S3-24	S4-24
Trailers						
1989-76	All power pack equipped	22NF	225		S4536B	S5-51R
1989-76	CHF, CRG, HFR, RGH	22NF	225		S4536B	S5-51R
1976-69	RFH, RGH	3EE	305		S4535B(31)	—
INGERSOLL-RAND CO.						
Portable Air Compressors						
2005-02	234055 – AS	NA	600	{24}	—	—
2005-02	2340S9GH – AS	NA	600	{24}	—	—
2005-02	2475F11GH	NA	600	{24}	—	—
2005-02	2475F12.5G	NA	600	{24}	—	—
2005-02	2475GF12.5/Alt.	NA	600	{24}	—	—
2005-02	DD2T2, SS302 – WB	NA	600	{24}	—	—
2005-02	SS303 – AS	NA	600	{24}	—	—
2005-02	SS3F2 – GM	NA	600	{24}	—	—
2005-02	SS3J3 – WB	NA	600	{24}	—	—
2005-02	SS3J5.5GBWB	NA	600	{24}	—	—
2005-02	SS3J5.5GH – AS	NA	600	{24}	—	—
2005-02	SS3J5.5GH – WB	NA	600	{24}	—	—
2005-02	SS3L3, SS3R2 – GM	NA	600	{24}	—	—
2005-02	SS5L5	NA	600	{24}	—	—
2005-02	TS7F11.5GKA/Alt.	NA	600	{24}	—	—
2005-02	TS7F12.5G	NA	600	{24}	—	—
2005-02	TS7F12.5G/Alt.	NA	600	{24}	—	—
2005-02	TS7F13GH/Alt.	NA	600	{24}	—	—
D Series						
1988-76	DXL600APCA, DXL600BH	4D	775	{15}	T4-4D	—
1988-76	DXL600H, DXL600HCA	4D	775	{15}	T4-4D	—
1988-76	DXL600PP, DXL750APCA	4D	775	{15}	T4-4D	—
1988-76	DXL750BP, DXL850	4D	775	{15}	T4-4D	—
1988-76	DXLCA750	4D	775	{15}	T4-4D	—
1988-70	850H, CA850	4D	775	{15}	T4-4D	—
1988-70	DXL1100H, DXL1200	4D	775	{15}	T4-4D	—
1988-70	DXL1400, DXL700ACA	4D	775	{15}	T4-4D	—
1988-70	DXL700B, DXL750	4D	775	{15}	T4-4D	—
1988-70	DXL750A, DXL850A	4D	775	{15}	T4-4D	—
1988-70	DXL850ACA, DXL850B	4D	775	{15}	T4-4D	—
1988-70	DXL900	4D	775	{15}	T4-4D	—
1988-52	DR–220, DR–250	4D	775	{147}	T4-4D	—
1988-52	DR–365, DR–600	4D	775	{147}	T4-4D	—
1988-52	DR–900, DXL600A	4D	775	{147}	T4-4D	—
1988-52	DXL600AH	4D	775	{147}	T4-4D	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

INGERSOLL-RAND CO. — INTERNATIONAL HARVESTER

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YEAR DESCRIPTION		O.E. CCA		Notes	Replacement Options	
		BCI NO.	@ 0°F		Option 1	Option 2
INGERSOLL-RAND CO. (Continued)						
D Series (Continued)						
1987-71	D1750, D200, D2000	8D	990	{15}	T4-8D	T4-4D
1979-70	DXL850, DXLCA1200	8D	990	{147}	T4-8D	T4-4D
1979-70	DXLCU1050, DXLCU500	4D	775	{15}	T4-4D	—
1979-70	DXLCU900	4D	775	{15}	T4-4D	—
1979-52	D750, DL-1200	4D	775	{147}	T4-4D	—
1979-52	DL-600, DL-900	4D	775	{147}	T4-4D	—
1979-52	DR-210, DR-315	4D	775	{147}	T4-4D	—
1977-74	DFF150	24	315		S3-24	S4-24
1977-70	DDRD160, DRRF160	2	595	{15}	—	—
1977-70	DXL175, DXLGM-175	2	595	{15}	—	—
1977-41	D-60 DeLuxe, D125	2	570	{15}	—	—
1977-41	D150, D175, DF125	2	570	{15}	—	—
1977-41	DF150	2	570	{15}	—	—
1975-53	105, DR-125, DR-150	2	570	{147}	—	—
1975-53	DRA-105, DRB-125	2	570	{147}	—	—
1975-53	DRR-160	2	570	{147}	—	—
G Series						
1978-71	G105, G125, G150	24	315		S3-24	S4-24
1978-71	G150B, G175, GH160	24	315		S3-24	S4-24
1978-71	GH85	24	315		S3-24	S4-24
1977-58	GIH160, GR-125	24	315		S3-24	S4-24
1977-58	GR-150, GR-210	24	315		S3-24	S4-24
1977-58	GR-250, GR-315	24	315		S3-24	S4-24
1977-58	GR-85, GRA-175	24	315		S3-24	S4-24
1977-58	GRB-125, GRR-160	24	315		S3-24	S4-24
1977-58	GRR-85, GXL-175	24	315		S3-24	S4-24
1975-52	GR600, IKQ-415	4D	775		T4-4D	—
1957-52	GR-105, GR-125	2	600		—	—
1957-52	GR-210, GR-315	2	600		—	—
H, I Series						
1988-58	All	4D	775	{147}	T4-4D	—
P Series						
1988-82	P100AWD, P100BWD	30H	630		T4-31P	T4-31P+
1988-82	P100CWD, P110AWD	30H	630		T4-31P	T4-31P+
1988-82	P110BWD, P110CWD	30H	630		T4-31P	T4-31P+
1988-81	P125AWD, P125AWJD	30H	630		T4-31P	T4-31P+
1988-81	P125BWD, P125WJD	30H	630		T4-31P	T4-31P+
1988-81	P130AWJD, P130WJD	30H	650		T4-31P	T4-31P+
1988-81	P150AWD	30H	650		T4-31P	T4-31P
1988-81	P150AWW, P160AWW	27	500		S4-27	S5515B
1988-81	P160AWWU, P160WJU	27	500		S4-27	S5515B
1988-81	P160WJDU, P175AWW	27	500		S4-27	S5515B
1988-81	P175WJU, P175WJD	27	500		S4-27	S5515B
1988-81	P175WW, P175WWU	27	500		S4-27	S5515B
1988-81	P185ASJD, P185AWJD	30H	630		T4-31P	T4-31P+
1988-81	P185BSJD, P185BWJD	30H	630		T4-31P	T4-31P+
1988-81	P850AWGM, P850BWGM	4D	775	{15}	T4-4D	—
1988-81	P850WGM, P900WCU	4D	775	{15}	T4-4D	—
1988-80	P150BWD, P150WD	30H	630		T4-31P	T4-31P+
1988-80	P150WJD, P160AWJD	30H	630		T4-31P	T4-31P+
1988-80	P160WJD	30H	630		T4-31P	T4-31P+
1988-78	P100AWW, P100AWWU	27	500		S4-27	S5515B
1988-78	P100BWW, P100WF	27	500		S4-27	S5515B
1988-78	P100WW, P125AWW	27	500		S4-27	S5515B
1988-78	P125BWW, P125WF	27	500		S4-27	S5515B
1988-78	P125WJU, P125WJDU	27	500		S4-27	S5515B
1988-78	P125WW, P185AWW	27	500		S4-27	S5515B
1988-78	P175ASD, P175AWD	30H	630		T4-31P	T4-31P+
1988-78	P175BWD, P175WD	30H	630		T4-31P	T4-31P+

YEAR	DESCRIPTION	O.E. CCA BCI @ NO. 0°F		Notes	Replacement Options	
					Option 1	Option 2
INGERSOLL-RAND CO. (Continued)						
P Series (Continued)						
1988-78	P185WJD, P250AWD	30H	630		T4-31P	T4-31P+
1988-78	P185WW	27	500		S4-27	S5515B
1988-78	P250SGM, P250WD	30H	630		T4-31P	T4-31P+
1988-78	P300SGM, P300WGM	30H	630		T4-31P	T4-31P+
1988-78	P325WGM, P375SD	4D	775		T4-4D	—
1988-78	P335SD, P335WD	30H	630		T4-31P	T4-31P+
1988-78	P375WD, P425SGM	4D	775		T4-4D	—
1988-77	P1100AWGM, P1100BWGM	4D	775	{15}	T4-4D	—
1988-77	P1100WGM, P1600WSGM	4D	775	{15}	T4-4D	—
1988-77	P700AWGM, P700BWGM	4D	775	{15}	T4-4D	—
1988-77	P700CWGM	4D	775	{15}	T4-4D	—
1987-86	P100WJU, P100WJDU	27	500		S4-27	S5515B
1987-78	P175AWDU, P175WJDU	27	600		S4-27	S5515B
1987-77	P450SCAT	27	500	{15}	S4-27	S5515B
1982-78	P100WD	30H	630		T4-31P	T4-31P+
X Series						
1988-77	All Exc XP175WJD	4D	775	{15}	T4-4D	—
1982-78	XP175WJD	30H	630		T4-31P	T4-31P+
INGRAM MFG. CO.						
Brooms						
1979-69	X-1, XX-23, XX-7	27	360	{15}	S4-27	S5515B
Rollers						
1990-87	10-Aug – DD 3-51 Eng	27	630		S4-27	S5515B
1990-87	11-2700, 6-Apr	30H	630		T4-31P	T4-31P+
1990-87	12-Aug – DD 3-51 Eng	27	630		S4-27	S5515B
1990-87	14-Oct – DD 3-51 Eng	27	630		S4-27	S5515B
1990-87	9-Jun – DD 3-51 Eng	27	630		S4-27	S5515B
1990-61	All	27	600	{147}	S4-27	S5515B
1986-77	6-Apr	27	485		S4-27	S5515B
1986-76	10-Aug – DD 3-51 Eng	27	485		S4-27	S5515B
1986-76	11-2700	27	485		S4-27	S5515B
1986-76	12-Aug – DD 3-51 Eng	27	485		S4-27	S5515B
1986-76	14-Oct – DD 3-51 Eng	27	485		S4-27	S5515B
1986-76	9-Jun – DD 3-51 Eng	27	485		S4-27	S5515B
1979-76	11-2700, 7-10000	27	360		S4-27	S5515B
INSLEY MANUFACTURING						
Excavators & Shovels						
1985-73	All	8D	900	{147}	T4-8D	T4-4D
1973-63	All – w/12-Volt	8D	900	{147}	T4-8D	T4-4D
1973-61	All – w/6-Volt	4D	800	{147}	T4-4D	—
1961-50	All	4	815	{147}	—	—
Lift Trucks						
1971-61	All Exc 640 7 640D	24	340		S3-24	S4-24
1971	640D	3	650		—	—
1970-68	640	2	525		—	—
INTERNATIONAL HARVESTER						
Additional equipment listed in the Farm Equipment section.						
Crawler Tractors						
1968-62	T-340A	22NF	300		S4536B	S5-51R
1968-61	TD-340, TD-340A	27	500		S4-27	S5515B
1968-59	T-6 62 Series	24	375		S3-24	S4-24
1968-42	TD-18 thru TD24TC	4	800	{148}	—	—
1968-41	T-9, TD-15B, TD-6	2	600	{147}	—	—
1968-41	TD-6, TD-6 62 Series	3	625	{147}	—	—
1968-41	TD-9, TD-9B	3	625	{147}	—	—
1967-62	TD-25B, TD-30	8D	900	{15}	T4-8D	T4-4D
1962-59	T-340	1	500		—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL INTERNATIONAL HARVESTER — JLG INDUSTRIES INC.

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YEAR	DESCRIPTION	O.E. CCA BCI @ NO. 0°F		Notes	Replacement Options	
					Option 1	Option 2
INTERNATIONAL HARVESTER (Continued)						
Crawler Tractors (Continued)						
1962-59	TD-25	7D	900	{173}	—	—
1962-41	T-14, T-6 61 Series	4	800	{147}	—	—
1962-41	T-9	4	800	{147}	—	—
1962-41	TD-14 thru TD-15	4	800	{147}	—	—
Dump Trucks						
1967-56	All - Optional	2	660	{173}	—	—
		8D	900	{15}	T4-8D	T4-4D
Power Units						
1967-59	UD-817, UDT-817	8D	900	{15}	T4-8D	T4-4D
1967-58	UC-135B, UC-153	24	315		S3-24	S4-24
1967-58	UC-221, UC-263	24	315		S3-24	S4-24
1967-58	UC-301, UC-60	24	315		S3-24	S4-24
1967-57	UR-372, UR-450	27	375		S4-27	S5515B
1967-57	UR-501, UV-401	27	375		S4-27	S5515B
1967-57	UV-461, UV-549	27	375		S4-27	S5515B
1967-56	U-308, UB-220	24	315		S3-24	S4-24
1967-56	UB-264	24	315		S3-24	S4-24
1967-53	U-372, U-450, U-501	27	375		S4-27	S5515B
1967-53	UD Series - Optional	3	690	{15}	—	—
1967-53	UD-1091, UD-18A	4	840	{148}	—	—
1967-53	UD-24, UD-691	4	840	{148}	—	—
1967-53	UDT-1091, UDT-429	4	840	{148}	—	—
1967-53	UDT-573	4	840	{148}	—	—
1966-57	UC-135, UC-60	1	340		—	—
1960-47	U-1, U-123, U-175	1	445		—	—
1960-47	U-2, U-2A, U-4	1	445		—	—
1960-47	Y-164	1	445		—	—
Prime Movers & Self-Propelled Scrapers						
1965-60	2T-70	2	660	{173}	—	—
1965-60	All Exc 2T-55	8D	900	{15}	T4-8D	T4-4D
1965-60	All Exc 2T-70	8D	900	{15}	T4-8D	T4-4D
1965-60	All Exc 2T-75	8D	900	{15}	T4-8D	T4-4D
1960-55	2T-55, 2T-75	6D	880	{15}	T4-4D	—
IOWA MANUFACTURING CO.						
After 1967, see CEDARAPIDS, INC						
Asphalt Plants, Material Handling, Rock Crushing						
1961-60	800-6A	4	790	{160}	—	—
1961-58	U-501, UD-817	7D	880	{160}	—	—
1961-58	UDT-817	7D	880	{160}	—	—
1961-57	U-450, UD-1091	5D	865	{160}	—	—
1961-57	UDT-1091	5D	865	{160}	—	—
1961-56	Allis-Chalmers	1	550	{160}	—	—
1961-56	Buda, D425-6A, GM	7D	880	{160}	—	—
1961-56	D-283-4A, M-330	4	790	{160}	—	—
1961-56	LeRoi - Optional	1	550	{160}	—	—
1961-56	Minneapolis-Moline Optional	1	550	{160}	—	—
1961-56	U-123, U-175 - IHC Eng	1	550	{160}	—	—
1961-56	U-220, UC-221 - IHC Eng	1	550	{160}	—	—
1961-56	U-308, U-372, U-406	4	790	{160}	—	—
1961-56	U318	4	790	{160}	—	—
1961-56	UC-263, UC-60 - IHC Eng	1	550	{160}	—	—
1961-56	UD-135 - IHC Eng	1	550	{160}	—	—
1961-56	UD-14A, UD-281	2	630	{160}	—	—
1961-56	UD-350	2	630	{160}	—	—
1961-52	All - Murphy Eng	4	790	{160}	—	—
1961-52	All - Cat. Eng	5D	880	{160}	—	—
1961-52	All - Cont B-427 Eng	5D	880	{160}	—	—
1961-52	HD-260 - Cummins Diesel	7D	880	{160}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
IOWA MANUFACTURING CO. (Continued)						
Asphalt Plants, Material Handling, Rock Crushing (Continued)						
1961-52	HD-277 – Cummins Diesel	7D	880	{160}	—	—
1961-52	PR-501 – Cummins Diesel	7D	880	{160}	—	—
1961-52	R-602 – Cummins Diesel	7D	880	{160}	—	—
1961-52	UD-18A, UD-236	4	790	{160}	—	—
1961-52	UD-282, UD-370	4	790	{160}	—	—
1961-52	UD-525, UD-554	4	790	{160}	—	—
1961-52	UD-691	4	790	{160}	—	—
1961	D-326F, D-337F	7D	900	{160}	—	—
1961	D-342C	7D	900	{160}	—	—
1961	F-124, F-162, F-226	1	600	{160}	—	—
1961	F-162, F-226, F-244	4	790	{160}	—	—
1961	GD-157, M-271, Y-91	4	790	{160}	—	—
1961	Y-91	1	600	{160}	—	—
1960-57	800-6A	2	630	{160}	—	—
1960-56	F-244, M-271, R-602	2	630	{160}	—	—
1960-56	U-264, U-264-6	2	630	{160}	—	—
1960-56	U-281	2	630	{160}	—	—
1960-52	Case D.E.	1	550	{160}	—	—
1960-52	S.E.	2	630	{160}	—	—
JLG INDUSTRIES INC.						
Articulating Boom						
	30e – 48-volt	GC2H	NR	{320}	—	—
	30e – Optional – 48-volt	901	NR	{320}	—	—
	35e, E18MJ – 48-volt	902	NR	{320}	—	—
	40e, 45e – 48-volt	903	NR	{320}	—	—
	E300AJ – 48-volt	902	NR	{320}	—	—
	E300AJP, n35e – 48-volt	902	NR	{320}	—	—
	E400A – 48-volt	903	NR	{320}	—	—
	E400A Narrow – 48-volt	903	NR	{320}	—	—
	E400AJP – 48-volt	903	NR	{320}	—	—
	E400AJP Narrow – 48-volt	903	NR	{320}	—	—
	E400AJPN – 48-volt	903	NR	{320}	—	—
	E400AN, E450A – 48-volt	903	NR	{320}	—	—
	E450AJ, M400A – 48-volt	903	NR	{320}	—	—
	H340AJ Hybrid – 96-volt	31	NR	{3,320}	T5-31	T6-31DC
	M400A Narrow – 48-volt	903	NR	{320}	—	—
	M400AJP – 48-volt	903	NR	{320}	—	—
	M400AJP Narrow – 48-volt	903	NR	{320}	—	—
	M400AJPN – 48-volt	903	NR	{320}	—	—
	M450A, M450AJ – 48-volt	903	NR	{320}	—	—
	n40e – 48-volt	903	NR	{320}	—	—
Mast Boom						
48	T32E – 48-volt	GC2H	NR	{320}	—	—
	T20E, T26E – 24-volt	GC2	NR	{173}	—	—
Mast Lift						
	1230ES – 24-volt	GC2	NR	{173}	—	—
Mobile Vertical Lift						
	15MVL, 20MVL – 24-volt	31	NR	{3,147}	T5-31	T6-31DC
Personal Lifts						
	10VP, 15VP – 24-volt	27	NR	{3,147}	—	—
	20VP – 24-volt	27	NR	{3,147}	—	—
Scissor Lifts						
	1532E – Optional – 24-volt	GC2H	NR	{173}	—	—
	1532E, 1930ES – 24-volt	GC2	NR	{173}	—	—
	1932E – Optional – 24-volt	GC2H	NR	{173}	—	—
	1932E, 1932RS – 24-volt	GC2	NR	{173}	—	—
	2030ES – 24-volt	GC2	NR	{173}	—	—
	2032ES, 2033E – 24-volt	GC2	NR	{173}	—	—
	2033E – Optional – 24-volt	GC2H	NR	{173}	—	—

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INDUSTRIAL

JLG INDUSTRIES INC. — JOHN DEERE

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
JLG INDUSTRIES INC. (Continued)						
Scissor Lifts (Continued)						
	2046E – Optional – 24-volt	GC2H	NR	{173}	—	—
	2046E, 2630ES – 24-volt	GC2	NR	{173}	—	—
	2632ES, 2646E – 24-volt	GC2	NR	{173}	—	—
	2646E – Optional – 24-volt	GC2H	NR	{173}	—	—
	2646ES, 2685E – 24-volt	GC2	NR	{173}	—	—
	2685E – Optional – 24-volt	GC2H	NR	{173}	—	—
	3246ES – 24-volt	GC2	NR	{173}	—	—
	3248RS – 24-volt	GC2	NR	{173}	—	—
	3369 – Electric – 48-volt	GC2H	NR	{320}	—	—
	3369LE – 48-volt	903	NR	{320}	—	—
	3370 – Electric – 48-volt	901	NR	{320}	—	—
	3969 – Electric – 48-volt	901	NR	{320}	—	—
		GC2H	NR	{320}	—	—
	3969 – Electric, Optional 48-volt	901	NR	{320}	—	—
	4069LE – 48-volt	903	NR	{320}	—	—
	M3369LE – 48-volt	903	NR	{320}	—	—
	M4069LE – 48-volt	903	NR	{320}	—	—
Stock Picker						
	10 MSP – 24-volt	GC2	NR	{173}	—	—
	12 SP, 15 SP – 12-volt	31	NR	{3}	T5-31	T6-31DC
	15 MSP – 24-volt	31	NR	{3,147}	T5-31	T6-31DC
	20 MSP – 24-volt	31	NR	{3,147}	T5-31	T6-31DC
Telescopic Boom						
	E600J, E600JP – 48-volt	903	NR	{320}	—	—
	M600J, M600JP – 48-volt	903	NR	{320}	—	—
Towable Boom						
	T350, T500J – 24-volt	GC2	NR	{173}	—	—
JOHN DEERE						
Additional equipment is listed in the Farm Equipment and Lawn & Garden sections.						
AMTs						
	1987-58 600, 622, 626	U1	300		—	—
Alternators						
	1987-58 3200, 4000, 5000	22NF	335		S4536B	S5-51R
	1987-58 65	U1	300		—	—
Articulated Trucks						
	2011-99 250 D, 350 D, 400 D	31T	925	{15}	T4-31+	T6-31
	2011-02 300 D	31T	925	{15}	T4-31+	T6-31
	2004-02 35C ZTS	24	625		S4-24	S5507B
Compact Track Loader						
	2013-09 CT315	31T	750		T4-31	T4-31+
	2013-09 CT315 – Optional	31T	925		T4-31+	T6-31
	2013 319D, 323D – Optional	31T	925		T4-31+	T6-31
	2013 319D, 323D, 329D	31T	750		T4-31	T4-31+
	2013 329D – Optional	31T	925		T4-31+	T6-31
	2013 333D	31T	925		T4-31+	T6-31
	2010-05 CT322, CT332	31T	925		T4-31+	T6-31
Corn Heads						
	2004-03 90 Series (27 – 40hp)	22NF	500		S5-51R	—
Cotton Strippers						
	2005-03 7460	31T	950		T4-31+	T6-31
Crawler Dozer						
	2013-10 700K Series	31T	950	{15}	T4-31+	T6-31
	2013-10 850K Series	31T	925	{15}	T4-31+	T6-31
	2013-05 700 J, 750J Series	31T	950	{15}	T4-31+	T6-31
	2013-05 850J Series	31T	925	{15}	T4-31+	T6-31
	2013-02 650J	31T	950	{15}	T4-31+	T6-31
	2013 450J Series, 550J	31T	950	{15}	T4-31+	T6-31
	2012-03 160D LC	31T	950	{15}	T4-31+	T6-31

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
JOHN DEERE (Continued)						
Crawler Dozer (Continued)						
2005-01	700H	31T	950	{15}	T4-31+	T6-31
2005-00	750C Series II	31T	950	{15}	T4-31+	T6-31
2004-02	450, 550, 750C S2	31T	950	{15}	T4-31+	T6-31
2004-02	655C S2	4D	900		T4-4D	—
2004-02	755C S2, 950C	4DLT	1000		T4-4D{30}	—
2004-02	850C S2	31T	925	{15}	T4-31+	T6-31
Crawler Dozers						
2017-15	1050K	31T	925	{173}	T4-31+	T6-31
Crawler Excavators						
2017-12	130G, 160G LC	31T	750	{15}	T4-31	T4-31+
2017-12	210G LC	4D	1400	{15}	—	—
2017-10	250G LC	4D	1400	{15}	—	—
2014-12	290G LC	4D	1400	{15}	—	—
2013-10	350G LC	4D	1400	{15}	—	—
2013-07	200D, 200D LC	4D	1400	{15}	—	—
2013	120D, 160D LC	31T	750	{15}	T4-31	T4-31+
2011-06	350D LC	4D	1400		—	—
2007-02	200C LC	4D	1400	{15}	—	—
2003-97	110, 120	31T	750	{15}	T4-31	T4-31+
2001-98	230LC	4D	1400	{15}	—	—
Crawler Loaders						
2013-10	655C—II	4D	1000	{15}	T4-4D	—
2013-10	755K	31T	950	{15}	T4-31+	T6-31
Equipment						
2004-02	Electric Series	U1	105		—	—
Excavators						
2012-08	120D	31T	750	{15}	T4-31	T4-31+
2012-07	160D LC	31T	750	{15}	T4-31	T4-31+
2012-02	120C	31T	750	{15}	T4-31+	T6-31
2012-02	350 D	31T	950		T4-31+	T6-31
2011-07	240D LC Series	4D	1400	{15}	—	—
2011-06	270D LC	4D	1400	{15}	—	—
2006-02	160C LC	31T	750	{15}	T4-31	T4-31+
2005-98	230C LC	4D	1400	{15}	—	—
2005-02	270CLC	4D	1400	{15}	—	—
2005-02	330C LC	4D	1400		—	—
2004-98	240, 260, 270, 280	31T	750		T4-31	T4-31+
2004-02	17ZTS	51	435		S4535B	—
2004-02	225C RTS, 370C	4D	1400		—	—
2004-02	27C ZTS, 50C ZTS	24	625		S4-24	S5507B
2004-02	350 D	31T	750		T4-31	T4-31+
2004-02	450C LC	4D	1400		—	—
2004-02	800C	4D	1400	{15}	—	—
2004-02	80C	24	625		S4-24	S5507B
2004-02	824 J	31T	950	{15}	T4-31+	T6-31
1999-86	290D, 30, 50, 70	24	530	{147}	S3-24	S4-24
1999-86	70D	24	530	{147}	S3-24	S4-24
1999-84	790, 790D, 790E, 792	4D	900	{15}	T4-4D	—
1999-84	890	30H	625	{15}	T4-31P	T4-31P+
1999-84	890 – Optional	4D	1100	{15}	—	—
1999-84	892D—LC, 992D—LC	4D	1100	{15}	—	—
1999-81	690/690 (after 001671)	4	975	{15}	—	—
1999-81	690/690A	3EH	850	{15}	—	—
1999-81	690C, 890A, 990	31T	625	{148}	T4-31	T4-31+
1999-81	690D/DR (160 min. RC)	31T	625	{15}	T4-31	T4-31+
1999-81	690E	31T	625	{15}	T4-31	T4-31+
1999-81	690E – Optional	4D	1100	{15}	—	—
1999-78	490, 495, 590, 595	30H	550	{15}	T4-31P	T4-31P+
1999-78	490D, 490E, 495D	30H	625	{15}	T4-31P	T4-31P+

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL JOHN DEERE

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			O.E. CCA BCI @ NO. 0°F			Replacement Options	
YEAR	DESCRIPTION				Notes	Option 1	Option 2
JOHN DEERE (Continued)							
Excavators (Continued)							
1999-78	590D, 595D	30H	625		{15}	T4-31P	T4-31P+
1999-78	690CR, 690D	31T	750		{15}	T4-31	T4-31+
1999-78	690D – Optional	31T	950		{147}	T4-31+	T6-31
1999-78	690D – Heavy Duty	4D	1100		{15}	—	—
1999-78	890	30H	550		{15}	T4-31P	T4-31P+
1990-64	500, 500A, 500B, 600	3ET	450		{147}	—	—
1984-69	690, 690B	4EH	975		{15}	—	—
1977-59	15	U1	300			—	—
1977-59	25	24	530			S3-24	S4-24
Feller Bunchers							
2013-06	643K – Wheeled	31T	950		{15}	T4-31+	T6-31
2013	753J, 759J – Tracked	31T	950		{15}	T4-31+	T6-31
2013	843K – Wheeled	31T	950		{15}	T4-31+	T6-31
2013	903K, 909K – Tracked	4D	1400		{15}	—	—
2013	953K, 959K – Tracked	4D	1400		{15}	—	—
2006-01	753 G	31T	950		{15}	T4-31+	T6-31
2001	653 G	31T	950		{15}	T4-31+	T6-31
Forage Harvester							
2004-02	7800 Large Capacity (660hp)	NA	1740			—	—
Forklift							
1990-86	482C	30H	625		{147}	T4-31P	T4-31P+
1986-72	380, 380B, 480, 480B	24	420		{147}	S3-24	S4-24
1986-72	480C	24	420		{147}	S3-24	S4-24
Forwarders							
2004-98	1010D, 1410D	31T	950		{15}	T4-31+	T6-31
Graders							
2013-09	670G	4D	1000		{15}	T4-4D	—
2013-09	670GP	4D	1400		{15}	—	—
2013-09	672G – 6WD	4D	1000		{15}	T4-4D	—
2013-09	672GP – 6WD	4D	1400		{15}	—	—
2013-09	770G	4D	1000		{15}	T4-4D	—
2013-09	770G – Optional	4D	1400		{15}	—	—
2013-09	770GP	4D	1400		{15}	—	—
2013-09	772G – 6WD	4D	1000		{15}	T4-4D	—
2013-09	772G – 6WD Optional	4D	1400		{15}	—	—
2013-09	772GP – 6WD	4D	1400		{15}	—	—
2013-09	870G, 870GP	4D	1000		{15}	T4-4D	—
2013-09	870G, 870GP – Optional	4D	1400		{15}	—	—
2013	670G	4D	1400		{15}	—	—
2013	670GP	4D	1000		{15}	T4-4D	—
2013	672G – 6WD	4D	1400		{15}	—	—
2013	672GP – 6WD	4D	1000		{15}	T4-4D	—
2013	770GP	4D	1000		{15}	T4-4D	—
2013	772GP – 6WD	4D	1000		{15}	T4-4D	—
2012-05	1050C	4D	1000		{15}	T4-4D	—
2005-02	670CH S2, 672CH S2	4D	1400		{15}	—	—
2005-02	770C S2, 770CH S2	4D	1400		{15}	—	—
2005-02	772CH S2	4D	1400		{15}	—	—
2005	670C S2	31T	750		{15}	T4-31	T4-31+
2004-02	770C, 770CH	4D	1400		{15}	—	—
1999-75	670, 670–A, 670–B	30H	625		{15}	T4-31P	T4-31P+
1999-75	672–B, 672A, 770	30H	625		{15}	T4-31P	T4-31P+
1999-75	770–B, 770A, 770B/BH	30H	625		{15}	T4-31P	T4-31P+
1999-75	770A, 770B – Optional	4D	800		{15}	T4-4D	—
1999-75	772–B, 772A, 772B/BH	30H	625		{15}	T4-31P	T4-31P+
1999-75	772A, 772B – Optional	4D	800		{15}	T4-4D	—
1999-71	570, 570A	3EH	850		{15}	—	—
1999-71	570B	31T	625		{15}	T4-31	T4-31+

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
JOHN DEERE (Continued)						
Grapple Skid						
2004-02	1000, 548G – 3	31T	925		T4-31+	T6-31
2004-02	648G – 3, 748G – 3	31T	925		T4-31+	T6-31
2004-02	848G	31T	925	{15}	T4-31+	T6-31
Harvesters						
2004	1070D	31T	950	{15}	T4-31+	T6-31
Hy-Cycle (Sprayer)						
2004-03	4710 (800 gal)	27	650		S4-27	S5515B
2004-02	6700 – 410 or 420 gal	31T	750	{15}	T4-31	T4-31+
Knuckleboom Loader						
2005	335, 435, 535	31T	950		T4-31+	T6-31
Log Loaders						
2004-02	TC 54H, TC 62H	31T	950	{15}	T4-31+	T6-31
Log Loaders Self Propelled						
Knuckleboom						
2013	437D	31T	925	{15}	T4-31+	T6-31
2012-06	437C	31T	925	{15}	T4-31+	T6-31
2011-07	335C	31T	925	{15}	T4-31+	T6-31
Log Loaders Trailer Mounted						
2006-02	435, 535	31T	950		T4-31+	T6-31
2004-02	335	31T	950		T4-31+	T6-31
Swing Machine						
2017-16	2454D	4D	1400	{15}	—	—
2017-08	2954D	4D	1400	{15}	—	—
2013-08	2154D, 2454D, 3754D	4D	1400	{15}	—	—
2008-02	2054	4D	1400	{15}	—	—
Logger Excavator						
2008-07	2054, 2554, 3554	4D	1400	{15}	—	—
Swing Machine						
2008-02	2554, 3554	4D	1400	{15}	—	—
Rigid Haul Trucks						
2016-05	250D-II	31T	950	{15}	T4-31+	T6-31
2013-06	300D-II, 400D-II	31T	950	{15}	T4-31+	T6-31
2013-05	350D-II	31T	950	{15}	T4-31+	T6-31
Rotary Platform						
2005	995	24	550	{15}	S4-24	S5507B
Scrapers						
1999-75	762, 762B	30H	550	{15}	T4-31P	T4-31P+
1998-86	862B	30H	625	{15}	T4-31P	T4-31P+
1990-86	862 (after 705470)	30H	545	{15}	T4-31P	T4-31P+
1986-80	762A, 862	31T	625	{15}	T4-31	T4-31+
1986-80	860	4D	900	{15}	T4-4D	—
1980-73	860A, 860B	4D	800	{15}	T4-4D	—
1979-77	860B	30H	545	{15}	T4-31P	T4-31P+
1979-77	862 (before 705470)	31T	750	{15}	T4-31	T4-31+
1976-69	760A	7D	870	{15}	—	—
	760	1	625	{173}	—	—
Self-Propelled & Pull Type Combines						
1965-60	40 – Gas, LPG, w/12–Volt	24	315		S3-24	S4-24
1965-60	45 – Gas, LPG, w/12–Volt	24	315		S3-24	S4-24
1965-50	105	30H	475	{15}	T4-31P	T4-31P+
1965-50	40 – Gas, LPG, w/6–Volt	1	525	{147}	—	—
1965-50	45 – Gas, LPG, w/6–Volt	1	525	{147}	—	—
1965-50	55 – Gas, LPG, w/6–Volt	1	525	{147}	—	—
1965-50	95 – Gas, LPG, w/6–Volt	1	525	{147}	—	—
1965-50	95H – Gas, LPG, w/6–Volt	1	525	{147}	—	—
Self-Propelled Windrowers						
1966-62	215	24	315		S3-24	S4-24
1966-60	VH4	1	525		—	—

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INDUSTRIAL JOHN DEERE

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		O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
YEAR	DESCRIPTION				Option 1	Option 2
JOHN DEERE (Continued)						
Skid Steer						
2013-09	318D, 320D	31T	750		T4-31	T4-31+
2013-09	318D, 320D – Optional	31T	925		T4-31+	T6-31
2013-09	326D, 328D, 332D	31T	925		T4-31+	T6-31
2013-07	313, 315	31T	925		T4-31+	T6-31
2012-09	319D, 323D – Optional	31T	925		T4-31+	T6-31
2012-09	319D, 323D, 329D	31T	750		T4-31	T4-31+
2012-09	329D – Optional	31T	925		T4-31+	T6-31
2012-09	333D	31T	925		T4-31+	T6-31
2010-04	317, 320	31T	925		T4-31+	T6-31
2010-02	325, 328, 332	31T	925		T4-31+	T6-31
2004-98	240, 250	31T	750		T4-31	T4-31+
2004-98	260, 270	31T	925		T4-31+	T6-31
2004-02	317, 320	31T	750		T4-31	T4-31+
2004-02	SST 15, SST 16	U1	300		—	—
2004-02	SST 18, SX 85	U1	300		—	—
2004-02	Standard Series	12	342		—	—
2004-01	280	31T	925		T4-31+	T6-31
1984-80	60	22F	420		S3514B	S3560B
1984-78	125 – Diesel	31T	625		T4-31	T4-31+
1984-78	375	70	425		S4554B	S3559B(32)
1984-78	570, 575, 6785	3ET	460		—	—
1984-78	675B	31T	950		T4-31+	T6-31
1984-78	Diesel	31T	625		T4-31	T4-31+
1984-72	125, 70, 90	24	500		S3-24	S4-24
1980-77	60	U1	180		—	—
1978-71	JD–14, JD–24 – Gas	24	500		S3-24	S4-24
1978-71	JD–14, JD–24 – Diesel	30H	545		T4-31P	T4-31P+
1978-71	JD–24A – Gas	24	500		S3-24	S4-24
1978-71	JD–24A – Diesel	30H	545		T4-31P	T4-31P+
1977-76	125 – Diesel	30H	545		T4-31P	T4-31P+
1975-72	170	24	500		S3-24	S4-24
Skidders						
1999-83	340D	31T	750	{15}	T4-31	T4-31+
1999-75	440C, 440D, 448D	31T	625	{15}	T4-31	T4-31+
1999-75	540B, 640, 640D	31T	625	{15}	T4-31	T4-31+
1999-75	648D	31T	625	{15}	T4-31	T4-31+
1998-84	540D, 548D	30H	625		T4-31P	T4-31P+
1990-69	540, 540A – Optional	31T	625	{15}	T4-31	T4-31+
1990-69	540, 540A, 740 – Gas	30H	570	{147}	T4-31P	T4-31P+
1990-69	540E, 548E, 640E	31T	950	{147}	T4-31+	T6-31
1990-69	740, 740A – Optional	31T	625	{15}	T4-31	T4-31+
1990-69	740A, 740D – Gas	30H	570	{147}	T4-31P	T4-31P+
1990-69	740D – Optional	31T	625	{15}	T4-31	T4-31+
1990-69	740E, 748E	31T	950	{147}	T4-31+	T6-31
1977-69	440, 440A, 440B	24	370	{15}	S3-24	S4-24
1977-69	440B (Power Shift)	30H	625	{15}	T4-31P	T4-31P+
Cable						
2013	640H	31T	925	{15}	T4-31+	T6-31
Grapple						
2013-07	748H, 848H	31T	925	{15}	T4-31+	T6-31
2013-03	548G–III, 648H	31T	925	{15}	T4-31+	T6-31
2012-07	648G–III	31T	925	{15}	T4-31+	T6-31
2007-03	748G–III	31T	925	{15}	T4-31+	T6-31
Skidders Cable						
2010-07	540G–III, 640H	31T	925	{15}	T4-31+	T6-31
2005	540G–3	31T	950		T4-31+	T6-31
2002-97	540G, 740G	31T	950		T4-31+	T6-31
Cable						
2013-03	540G–III	31T	925	{15}	T4-31+	T6-31

		O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
YEAR	DESCRIPTION				Option 1	Option 2
JOHN DEERE (Continued)						
Loader						
2004-02	640G – 3	31T	925		T4-31+	T6-31
Tractor/Loader/Backhoes						
2017-14	210L EP	31T	925	{15}	T4-31+	T6-31
2013-12	210K, 210K EP	31T	950	{15}	T4-31+	T6-31
2013-12	310K EP	31T	950	{15}	T4-31+	T6-31
2013-10	310SJ	31T	925	{15}	T4-31+	T6-31
2013-08	210LJ	31T	950	{15}	T4-31+	T6-31
2013-07	410J TMC Series	31T	950	{15}	T4-31+	T6-31
2013-06	310J, 410J	31T	925	{15}	T4-31+	T6-31
2013-06	710J	31T	925		T4-31+	T6-31
2013	310SJ TMC Series	31T	925	{15}	T4-31+	T6-31
2012-03	450J Series, 550J	31T	950	{15}	T4-31+	T6-31
2012-03	544J – 4WD & Optional	31T	925	{15}	T4-31+	T6-31
2012-03	650J, 700H, 750C S2	31T	950	{15}	T4-31+	T6-31
2011-02	110 TLB	27F	650		S4-27F	S5516B
2009	310 SJ	31T	925	{15}	T4-31+	T6-31
2008-96	210 LE	31T	950	{15}	T4-31+	T6-31
2008	310SJ	31T	925	{15}	T4-31+	T6-31
2007-03	544J – 4WD	30H	625	{15}	T4-31P	T4-31P+
2007-03	644J, 724J	31T	750	{15}	T4-31	T4-31+
2007-03	724J – 4WD	31T	750	{15}	T4-31	T4-31+
2007-03	724J – 4WD & Optional	4D	1400	{15}	—	—
2007-03	744J – 4WD & Optional	4D	1400	{15}	—	—
2007-02	444J	30H	625	{15}	T4-31P	T4-31P+
2007	310SJ	31T	925	{15}	T4-31+	T6-31
2007	444J – 4WD	31T	925	{15}	T4-31+	T6-31
2007	624J – 4WD & Optional	31T	925	{15}	T4-31+	T6-31
2007	644J – 4WD & Optional	31T	925	{15}	T4-31+	T6-31
2006-03	310G, 410G	31T	925		T4-31+	T6-31
2006-02	710G	31T	925		T4-31+	T6-31
2006-01	310 SG, 310SG	31T	925	{15}	T4-31+	T6-31
2005-02	310, 315SG, 410	31T	925		T4-31+	T6-31
2004-03	2210	51	435		S4535B	—
2004-03	304H, 324H	49	850	{15}	S5533B	—
2004-03	4010 Series (18 – 48hp)	51	435		S4535B	—
2004-03	4020 (43 – 58hp)	3ET	620	{27}	—	—
2004-03	4110	51	435		S4535B	—
2004-03	4115, 4210, 4310	22NF	500	{27}	S5-51R	—
2004-03	4410	22NF	500	{27}	S5-51R	—
2004-03	444J	30H	950	{15}	T4-31P+	T6-31P
2004-03	600C LC – 4WD	4D	1400	{27}	—	—
2004-03	655C S2	4D	900		T4-4D	—
2004-03	755C S2, 950C	4DLT	1000	{27}	T4-4D(30)	—
2004-03	850C S2	31T	925	{15}	T4-31+	T6-31
2004-02	304, 324	49	850	{15}	S5533B	—
2004-02	324H, 344H	49	850	{15}	S5533B	S6588B
2004-02	400 D	31T	750		T4-31	T4-31+
2004-02	544J, 624J, 644J	30H	950	{15}	T4-31P+	T6-31P
2004-02	600C LC	4D	1400		—	—
2003-99	624H – 4WD & Optional	30H	625	{15}	T4-31P	T4-31P+
		31T	925	{15}	T4-31+	T6-31
2002	420H	30H	625	{49}	T4-31P	T4-31P+
1999-96	710D	31T	625	{147}	T4-31	T4-31+
1999-90	444E, 544E	31T	625	{147}	T4-31	T4-31+
1999-90	644E	31T	950	{147}	T4-31+	T6-31
1999-85	655B, 755B	31T	625	{147}	T4-31	T4-31+
1999-85	655B, 755B – Optional	31T	950	{15}	T4-31+	T6-31
1999-83	410B, 410C, 510B	30H	625	{147}	T4-31P	T4-31P+
1999-83	415B, 515B	31T	750	{147}	T4-31	T4-31+

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INDUSTRIAL JOHN DEERE

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		O.E. CCA BCI @ NO. 0°F			Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
JOHN DEERE (Continued)						
Tractor/Loader/Backhoes (Continued)						
1999-83	500A – Gas	3ET	460	{147}	—	—
1999-83	500A (after 1968) – Diesel	3EH	850	{15}	—	—
1999-83	500A (before 1968) – Diesel	3ET	460	{147}	—	—
1999-83	500B – Gas	3ET	460	{147}	—	—
1999-83	510C, 610B, 610C	30H	625	{147}	T4-31P	T4-31P+
1999-83	710B, 710C	30H	625	{147}	T4-31P	T4-31P+
1999-82	500B – Diesel	3EH	850	{15}	—	—
1999-79	444C, 444CH, 444D	31T	750	{177}	T4-31	T4-31+
1999-79	544, 544C, 544D	31T	750	{177}	T4-31	T4-31+
1999-79	644C, 644D	31T	750	{177}	T4-31	T4-31+
1999-79	844	31T	750	{173}	T4-31	T4-31+
1999-76	655B, 750 – Optional	4D	800	{15}	T4-4D	—
1999-76	655B, 750, 750B	30H	550	{15}	T4-31P	T4-31P+
1999-76	750BLGP, 755, 755A	30H	550	{15}	T4-31P	T4-31P+
1999-76	755B	30H	550	{15}	T4-31P	T4-31P+
1999-75	450E, 450ELT, 455E	30H	550	{147}	T4-31P	T4-31P+
1999-75	450G, 455G, 550G	31T	625	{147}	T4-31	T4-31+
1999-75	550, 550B, 555B, 655	30H	550	{147}	T4-31P	T4-31P+
1999-75	555G, 625G	31T	625	{147}	T4-31	T4-31+
1999-66	210C – Optional	30H	570	{147}	T4-31P	T4-31P+
1999-66	210C, 300, 300B	24	385		S3-24	S4-24
1999-66	300D, 310D, 315D	31T	625	{147}	T4-31	T4-31+
1999-66	410D, 510D	31T	625	{147}	T4-31	T4-31+
1999-65	350, 350B, 350C	30H	625	{147}	T4-31P	T4-31P+
1999-65	350D	30H	625	{147}	T4-31P	T4-31P+
1999-65	355D (JD Series)	30H	625	{147}	T4-31P	T4-31P+
1999-65	400G	30H	625	{147}	T4-31P	T4-31P+
1998-85	750B – Optional	4D	900	{15}	T4-4D	—
1998-85	750B, 750BLGP, 755B	30H	625	{15}	T4-31P	T4-31P+
1998-85	750BLGP – Optional	4D	900	{15}	T4-4D	—
1998-85	755B – Optional	4D	900	{15}	T4-4D	—
1998-78	750LGP, 850 – Optional	4D	800	{15}	T4-4D	—
1998-78	750LGP, 850, 850B	30H	625	{15}	T4-31P	T4-31P+
1998-78	850B – Optional	4D	800	{15}	T4-4D	—
1998-78	850BLGP – Optional	4D	800	{15}	T4-4D	—
1998-78	850BLGP, 850LGP, 855	30H	625	{15}	T4-31P	T4-31P+
1998-78	850LGP, 855 – Optional	4D	800	{15}	T4-4D	—
1998-78	855B	30H	625	{15}	T4-31P	T4-31P+
1998-78	855B – Optional	4D	800	{15}	T4-4D	—
1998-73	302, 302A – Optional	30H	625	{147}	T4-31P	T4-31P+
1998-73	302, 302A, 310C	24	420	{15}	S3-24	S4-24
1998-73	310C – Optional	30H	625	{147}	T4-31P	T4-31P+
1998-73	315C, 315CH – Optional	24	550		S3-24	S4-24
1998-73	315C, 315CH, 315D	30H	625	{147}	T4-31P	T4-31P+
1998-73	315D – Optional	24	550		S3-24	S4-24
1998-73	401B, 401C	24	420	{15}	S3-24	S4-24
1998-73	401B, 401C – Optional	30H	625	{147}	T4-31P	T4-31P+
1986-82	310B – Optional	30H	545		T4-31P	T4-31P+
1986-82	310B, 500	3EH	830	{15}	—	—
1986-82	400, 401, 401A, 401C	24	550	{147}	S3-24	S4-24
1986-82	401D	24	550	{147}	S3-24	S4-24
1986-82	500, 500A, 500B, 600	3ET	460		—	—
1986-82	500A (after 1969) – Diesel	3EH	850	{15}	—	—
1986-82	600 – Diesel	3EH	850	{15}	—	—
1986-82	700	1	625	{173}	—	—
1986-82	700A (after 025159)	7D	975	{15}	—	—
1986-82	700A (before 025158)	1	625	{173}	—	—
1986-77	300, 301	24	550	{147}	S3-24	S4-24
1985-66	301A, 302, 401B	24	370	{147}	S3-24	S4-24

		O.E. CCA BCI @ NO. 0°F			Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
JOHN DEERE (Continued)						
Tractor/Loader/Backhoes (Continued)						
1985-66	401D	24	370	{147}	S3-24	S4-24
1985-65	450, 450B, 450C	30H	550	{147}	T4-31P	T4-31P+
1985-65	450D, 455D, 550A	30H	550	{147}	T4-31P	T4-31P+
1985-65	555, 555A	30H	550	{147}	T4-31P	T4-31P+
1984-77	300B, 301A, 302	24	550	{147}	S3-24	S4-24
1984-77	302A, 401B	24	550	{147}	S3-24	S4-24
1984-71	301A, 310, 310A	3EH	850	{147}	—	—
1984-71	310 – Optional	30H	625		T4-31P	T4-31P+
1984-71	310B	3EH	850	{147}	—	—
1983-70	410 – Optional	3ET	425		—	—
1983-70	410, 500C, 510	3EH	830	{15}	—	—
1980-74	444, 544B	4D	975	{15}	T4-4D	—
1980-74	644B	4D	800	{15}	T4-4D	—
1973-71	301, 401, 401A	24	525	{147}	S3-24	S4-24
1973-70	544A, 644A	30H	545	{147}	T4-31P	T4-31P+
1964-60	1010, 2010	24	500		S3-24	S4-24
	244E	26	450		S3513B	S3560B(32)
	344E	31T	625		T4-31	T4-31+
	624E, 644	31T	750	{147}	T4-31	T4-31+
	744E	8D	1000		T4-8D	T4-4D
	84	24	530	{15}	S3-24	S4-24
	LX100, LX120, LXD100	31T	625	{15}	T4-31	T4-31+
	LX150	31T	950	{15}	T4-31+	T6-31
	LXD120	31T	625	{15}	T4-31	T4-31+
Cable						
2012-08	540G–III	31T	925	{15}	T4-31+	T6-31
2012-08	644K – 4WD	31T	925	{15}	T4-31+	T6-31
Loader						
2012-08	524K, 544K, 624K – 4WD	31T	925	{15}	T4-31+	T6-31
2012-08	640H	31T	925	{15}	T4-31+	T6-31
2012-08	644K – 4WD	31T	925	{15}	T4-31+	T6-31
2012-08	724K, 744K, 824K – 4WD	4D	1400	{15}	—	—
2012-08	844K – 4WD	4D	1400	{15}	—	—
2012-03	444K – 4WD	31T	925	{15}	T4-31+	T6-31
2007-04	644J – S/N To – 611231	4D	1400	{15}	—	—
2007-03	444J – 4WD & Optional	30H	625	{15}	T4-31P	T4-31P+
2007-03	624J – S/N To – 611796	30H	625	{15}	T4-31P	T4-31P+
2007-03	624J – S/N 611797 – On	31T	925	{15}	T4-31+	T6-31
2007-03	644J – Optional S/N To 611231	31T	750	{15}	T4-31	T4-31+
2007-03	644J – S/N 611232 – On	31T	750	{15}	T4-31	T4-31+
Tractors, Compact Utility						
2004-03	4120	27	650		S4-27	S5515B
2004-03	4320, 4520	3EH	850	{15}	—	—
2004-03	4510, 4610	48	690		S4-48	S5532B
2004-03	4720	34	770		S5521B	S6521B
2004-03	5103, 5203, 5303	31T	750		T4-31	T4-31+
2004-03	5105	31T	700		T4-31	T4-31+
2004-03	5205, 5220, 5320	31T	925		T4-31+	T6-31
2004-03	5420, 5520	31T	925		T4-31+	T6-31
2004-03	790	22NF	500		S5-51R	—
2004-03	990	27F	650		S4-27F	S5516B
1964-60	1050, 850, 900HC	30H	525		T4-31P	T4-31P+
1964-60	1070, 970	30H	625		T4-31P	T4-31P+
1964-60	650, 750, 770	24	420		S3-24	S4-24
1964-60	655, 755, 855	22F	425		S3514B	S3560B
1964-60	670	45	460		S3-45	S4535B
1964-60	855 – Optional	45	460		S3-45	S4535B
1964-60	950, 970	30H	525		T4-31P	T4-31P+
1964-60	955	45	460		S3-45	S4535B

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL JOHN DEERE — KAWASAKI LOADERS, INC.

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
JOHN DEERE (Continued)						
Tree Harvester, Feller-Buncher						
2013-08	753JH, 759JH	31T	950	{15}	T4-31+	T6-31
2012-10	903K, 909K – Tracked	4D	1400	{15}	—	—
2012-10	953K – Tracked	4D	1400	{15}	—	—
2012-09	843K – Wheeled	31T	950	{15}	T4-31+	T6-31
2012-08	753J, 759J – Tracked	31T	950	{15}	T4-31+	T6-31
2012-06	959J – Tracked	4D	1400	{15}	—	—
2012	759J – Tracked	31T	950	{15}	T4-31+	T6-31
2011-08	853JH, 903JH, 909JH	4D	1000	{15}	T4-4D	—
2011-06	853J, 903J – Tracked	4D	1000	{15}	T4-4D	—
2011-06	909J – Tracked	4D	1400	{15}	—	—
2011-06	953J – Tracked	4D	1000	{15}	T4-4D	—
2008-07	843J	31T	950	{15}	T4-31+	T6-31
2008-06	643 J	31T	950	{15}	T4-31+	T6-31
2006-02	643 H, 843 H	31T	950	{15}	T4-31+	T6-31
2006-02	853, 853 G, 953 G	4D	1400	{15}	—	—
2006-01	753 GL	31T	950	{15}	T4-31+	T6-31
2004-03	653 G	31T	950	{15}	T4-31+	T6-31
2004-02	653, 753 G	31T	950	{15}	T4-31+	T6-31
1999-90	693D	31T	625	{147}	T4-31	T4-31+
1999-85	693C	31T	750	{147}	T4-31	T4-31+
1984-77	693B	4	975	{15}	—	—
1984-77	743, 743–FB, 743–TH	30H	625	{15}	T4-31P	T4-31P+
1984-77	743A	30H	625	{15}	T4-31P	T4-31P+
	493D	30H	625	{15}	T4-31P	T4-31P+
	643, 653E	31T	950	{147}	T4-31+	T6-31
	643D	31T	625	{147}	T4-31	T4-31+
Harvester						
2013-10	903KH, 909KH	4D	1400	{15}	—	—
2013-08	703JH	31T	950	{15}	T4-31+	T6-31
Utility Vehicles						
2004-02	670C S2	31T	750	{15}	T4-31	T4-31+
2004-02	Buck Series	16CLB	260		—	—
2004-02	Gator	12	342		—	—
1984-77	4x2, 6x4 – Gator	U1	300		—	—
Waste Handling						
2007-03	744 J	31T	950	{15}	T4-31+	T6-31
2007-02	624J – 4WD	30H	625	{15}	T4-31P	T4-31P+
Wheel Loaders						
2013	444K, 524K, 544K – 4WD	31T	925	{15}	T4-31+	T6-31
2013	624K, 644K – 4WD	31T	925	{15}	T4-31+	T6-31
2013	724K, 744K, 824K – 4WD	4D	1400	{15}	—	—
2013	844K – 4WD	4D	1400	{15}	—	—
Windrowers						
2004-03	4995 (182hp)	31T	925		T4-31+	T6-31
2004-02	4895 (11hp)	31T	925		T4-31+	T6-31
JOY MANUFACTURING CO.						
Portable Air Compressors						
1975-69	RPS–175, RPS–175DA20	60	310	{147}	S3-24{29}	S3-24F{29}
1975-69	RPS–175GA20, RPS–185	60	310	{147}	S3-24{29}	S3-24F{29}
1975-69	RPS–185DA20	60	310	{147}	S3-24{29}	S3-24F{29}
1975-69	RPS–185GA20	60	310	{147}	S3-24{29}	S3-24F{29}
1975-69	RPV–100GA20	60	310	{147}	S3-24{29}	S3-24F{29}
1975-69	RPV–160D21	60	310	{147}	S3-24{29}	S3-24F{29}
1975-69	RPV–185DA20	60	310	{147}	S3-24{29}	S3-24F{29}
1975-69	RPV–GA20, RPV–GA21	60	310	{147}	S3-24{29}	S3-24F{29}
1975-64	RPS–1000D, RPS–1050D	8D	900	{15}	T4-8D	T4-4D
1975-64	RPS–1200D, RPS–1500D	8D	900	{15}	T4-8D	T4-4D
1975-64	RPS–1600D, RPS–900D	8D	900	{15}	T4-8D	T4-4D
1975-64	RPS–B24, RPS–D30	8D	900	{15}	T4-8D	T4-4D

JOY MANUFACTURING CO.

Portable Air Compressors						
1975-69	RPS-175, RPS-175DA20	60	310	{147}	S3-24{29}	S3-24F{29}
1975-69	RPS-175GA20, RPS-185	60	310	{147}	S3-24{29}	S3-24F{29}
1975-69	RPS-185DA20	60	310	{147}	S3-24{29}	S3-24F{29}
1975-69	RPS-185GA20	60	310	{147}	S3-24{29}	S3-24F{29}
1975-69	RPV-100GA20	60	310	{147}	S3-24{29}	S3-24F{29}
1975-69	RPV-160D21	60	310	{147}	S3-24{29}	S3-24F{29}
1975-69	RPV-185DA20	60	310	{147}	S3-24{29}	S3-24F{29}
1975-69	RPV-GA20, RPV-GA21	60	310	{147}	S3-24{29}	S3-24F{29}
1975-64	RPS-1000D, RPS-1050D	8D	900	{15}	T4-8D	T4-4D
1975-64	RPS-1200D, RPS-1500D	8D	900	{15}	T4-8D	T4-4D
1975-64	RPS-1600D, RPS-900D	8D	900	{15}	T4-8D	T4-4D
1975-64	RPS-B24, RPS-D30	8D	900	{15}	T4-8D	T4-4D

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
JOY MANUFACTURING CO. (Continued)						
Portable Air Compressors (Continued)						
1975-58	RP-250G, RPS-600D	4D	800	{147}	T4-4D	—
1975-58	RPS-600D22, RPS-650	4D	800	{147}	T4-4D	—
1975-58	RPS-750D, RPS-800	4D	800	{147}	T4-4D	—
1975-58	RPS-850	4D	800	{147}	T4-4D	—
1975-56	RP-250D, RP-365D	8D	900		T4-8D	T4-4D
1975-56	RP-600D, RP-900D	8D	900		T4-8D	T4-4D
1975-56	RP-900D40	8D	900		T4-8D	T4-4D
1967-60	RP-125G41 thru RP-125G52	6D	750		T4-4D	—
1967-54	WK8-0-75G	24	390		S3-24	S4-24
1960-57	RP-125G2 thru RP-125G40	4	790		—	—
KAISER						
Industrial						
1955-47	All	1	NA		—	—
KARCHER						
Scrubber Drier						
	BD 50/50 C Classic Bp 24-volt	31	NR	{15,80}	T6-31DC	—
KAWASAKI LOADERS, INC.						
Lift Trucks						
Lift						
2005-02	60K	NA	650	{15}	—	—
Loader						
2006	115ZV	8D	1300	{15}	T4-8D	—
Loaders						
2005-03	80ZIV – 2, 80ZV	4D	1000	{15}	T4-4D	—
		NA	1500	{15,149}	—	—
2005-03	85ZIV – 2, 85ZV	4D	1000	{15}	T4-4D	—
		NA	1500	{15,149}	—	—
2005-03	90ZIV – 2, 90ZV	4D	1000	{15}	T4-4D	—
		NA	1500	{15,149}	—	—
2005-03	95ZIV – 2	8D	1300	{15}	T4-8D	—
2005-03	95ZIV – 2, 95ZV	NA	2000	{15,149}	—	—
2005-02	115ZIV – 2, 115ZV	8D	1300	{15}	T4-8D	—
2005-02	135ZIV – 2	8D	1300	{148}	T4-8D	—
2005-02	50ZIV – 2, 60ZIV – 2	NA	650	{15}	—	—
2005-02	60ZIV – 2, 60ZV	NA	650	{15,149}	—	—
2005-02	60ZV, 65TM – 2	NA	650	{15}	—	—
2005-02	65TM – 2, 65ZIV – 2	NA	650	{15,149}	—	—
2005-02	65TMV, 65ZV	56	550	{15}	S4-55	—
2005-02	65ZIV – 2	NA	650	{15}	—	—
2005-02	70ZIV – 2, 70ZV	4D	1000	{15}	T4-4D	—
		NA	1500	{15,149}	—	—
2002	80 Series, 90 Series	4D	1000	{15}	T4-4D	—
		NA	1500	{15,149}	—	—
1999-96	KSS50Z IV, KSS60Z IV	24	520	{15}	S3-24	S4-24
1999-85	KSS-110Z	8D	975	{15}	T4-8D	T4-4D
1999-85	KSS-110Z-IIC	8D	975	{15}	T4-8D	T4-4D
1999-85	KSS115Z-III	8D	975	{15}	T4-8D	T4-4D
1999-85	KSS115Z-IV	8D	975	{15}	T4-8D	T4-4D
1999-85	KSS65Z-III	4D	740	{15}	T4-4D	—
1999-85	KSS65Z-IV, KSS70BC	4D	740	{15}	T4-4D	—
1999-85	KSS70DC, KSS70Z-II	4D	740	{15}	T4-4D	—
1999-85	KSS70Z-III	4D	740	{15}	T4-4D	—
1999-85	KSS70Z-IV	4D	740	{15}	T4-4D	—
1999-83	KSS90Z-III	8D	975	{15}	T4-8D	T4-4D
1999-83	KSS90Z-IV, KSS95Z	8D	975	{15}	T4-8D	T4-4D
1999-83	KSS95Z-IIC	8D	975	{15}	T4-8D	T4-4D

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INDUSTRIAL

KAWASAKI LOADERS, INC. — KOEHRING COMPANY

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
KAWASAKI LOADERS, INC. (Continued)						
Loaders (Continued)						
1999-83	KSS95Z-III	8D	975	{15}	T4-8D	T4-4D
1999-83	KSS95Z-IV	8D	975	{15}	T4-8D	T4-4D
1999-77	KSS-85Z, KSS-85Z-IV	4D	740	{15}	T4-4D	—
1999-77	KSS80C, KSS80CT	4D	740	{15}	T4-4D	—
1999-77	KSS80Z, KSS80Z-II	4D	740	{15}	T4-4D	—
1999-77	KSS80Z-III	4D	740	{15}	T4-4D	—
1999-77	KSS80Z-IV	4D	740	{15}	T4-4D	—
1997-95	KSS115Z IV	8D	975	{15}	T4-8D	T4-4D
1997-95	KSS65 T/M, KSS65Z IV	4D	740	{15}	T4-4D	—
1997-95	KSS70Z IV, KSS80Z IV	4D	740	{15}	T4-4D	—
1997-95	KSS85Z IV, KSS90Z IV	8D	975	{15}	T4-8D	T4-4D
1997-95	KSS95Z IV	8D	975	{15}	T4-8D	T4-4D
1995-88	KSS60Z-III	24	520	{15}	S3-24	S4-24
1989-82	KSS65Z-II, KSS70BC	31T	590	{15}	T4-31	T4-31+
1989-82	KSS70D	31T	590	{15}	T4-31	T4-31+
1988-86	KSS60Z	27	400	{15}	S4-27	S5515B
KENT, EUROCLEAN (NILFISK-ADVANCE)						
Burnishers						
	DuraGloss – 36-volt	901	NR	{178}	—	—
	DuraGloss – Optional, 36-volt	902	NR	{178}	—	—
	KF2002B – 36-volt	921	NR	{181}	—	—
	KF2500B – 36-volt	921	NR	{181}	—	—
	SelectGloss – 36-volt	921	NR	{181}	—	—
Scrubber						
	DuraScrub 27 – 24-volt	901	NR	{173}	—	—
	DuraScrub 27 – Optional, 24-volt	902	NR	{173}	—	—
	DuraScrub 33 – Optional, 36-volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
	DuraScrub 33 – 36-volt	GC2	NR	{178}	—	—
	DuraScrub 34R – 36-volt	901	NR	{178}	—	—
	DuraScrub 34R – Optional, 36-volt	902	NR	{178}	—	—
	DuraScrub 39 – 36-volt	902	NR	{178}	—	—
	DuraScrub Rider 33 36-volt	902	NR	{178}	—	—
	KA-171B – 24-volt	920	NR	{15}	—	—
	KA-200BST – 24-volt	GC2	NR	{173}	—	—
	KA-201B – 24-volt	GC2	NR	{173}	—	—
	KA-261 – 36-volt	GC2	NR	{178}	—	—
	KA-262B – 24-volt	GC2	NR	{173}	—	—
	KA-266EB – 36-volt	GC2	NR	{178}	—	—
	KA-26RB – 36-volt	901	NR	{178}	—	—
	KA-280EB – 36-volt	901	NR	{178}	—	—
	KA-28RB – 36-volt	901	NR	{178}	—	—
	KA-321 – 36-volt	901	NR	{178}	—	—
	KA-325 – 36-volt	901	NR	{178}	—	—
	KA-326EB – 36-volt	901	NR	{178}	—	—
	KA-32RB – 36-volt	902	NR	{178}	—	—
	KA-380 – 36-volt	901	NR	{178}	—	—
	KA-381EB – 36-volt	901	NR	{178}	—	—
	KA-38RB – 36-volt	902	NR	{178}	—	—
	SelectScrub 20B – Optional, 24-volt	30H	NR	{3,15}	—	—
		901	NR	{173}	—	—
	SelectScrub 20B – 24-volt	GC2	NR	{173}	—	—
	SelectScrub 20BT Optional, 24-volt	30H	NR	{3,15}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
KENT, EUROCLEAN (NILFISK-ADVANCE) (Continued)						
Scrubber (Continued)						
	SelectScrub 20BT Optional, 24-volt	901	NR	{173}	—	—
	SelectScrub 20BT – 24-volt	GC2	NR	{173}	—	—
	SelectScrub 26BT – 24-volt	901	NR	{173}	—	—
	SelectScrub 26BT Optional, 24-volt	GC2	NR	{173}	—	—
	SelectScrub 27 – 24-volt	901	NR	{173}	—	—
	SelectScrub 33 – 36-volt	901	NR	{178}	—	—
	SelectScrub 33 – Optional, 36-volt	902	NR	{178}	—	—
		GC2	NR	{178}	—	—
	SelectScrub 39 – 36-volt	901	NR	{178}	—	—
	SelectScrub 39 – Optional, 36-volt	902	NR	{178}	—	—
Stainless Series						
	Model 17 – 24-volt	30H	NR	{3,15}	—	—
	Model 20 – 24-volt	GC2	NR	{173}	—	—
	Model 26 – 24-volt	GC2	NR	{173}	—	—
Scrubber, Vacuum						
	RoboKent ScrubberVac 24-volt	GC2	NR	{173}	—	—
Sweeper, Vacuum						
	RoboKent SweeperVac 24-volt	GC2	NR	{173}	—	—
Sweepers						
	26BW – 12-volt	901	NR	{15}	—	—
	34R – 24-volt	30H	NR	{3,15}	—	—
	35BW – 12-volt	902	NR	{15}	—	—
	35R – 24-volt	GC2	NR	{173}	—	—
KIOTI						
Tractors						
2007-06	DK Series	24	450		S3-24	S4-24
2005	CK20, CK20HST	24	450		S3-24	S4-24
2005	CK30	24	675		S5521B	S5564B
2005	LB1914, LK2554	24	450		S3-24	S4-24
2005	LK3054X5	24	450		S3-24	S4-24
KLAUER MFG. CO.						
Rotary Snow Removers						
1998-88	MP-3D	31T	750	{15}	T4-31	T4-31+
1998-86	MTR, TR-44, TR-52	31T	750	{173}	T4-31	T4-31+
1998-86	TU-3	31T	750	{173}	T4-31	T4-31+
1997-94	WK-800	31T	750	{173}	T4-31	T4-31+
1988-83	MP-3D	31T	475	{147}	T4-31	T4-31+
1988-83	MTR, TU-3	8D	900	{15}	T4-8D	T4-4D
KOEHRING COMPANY						
BANTAM Formerly WEST BRICK BUGGY						
Construction Equipment Division (Includes PCM Division)						
1981-74	Generator Sets	U1	200		—	—
1981-74	Light Towers	24	380	{15}	S3-24	S4-24
1981-74	Riding Trowel	U1	200		—	—
Skytrak						
1981-77	5030, 6034 – Diesel	24	380	{15}	S3-24	S4-24
1981-73	8034 – GM Eng, Cummins	8D	935	{15}	T4-8D	T4-4D
1978-71	5030, 6034 – Gas	29NF	300		—	—
1977-70	4030	24	380	{15}	S3-24	S4-24
1977-64	1510, 2000, 450, 550	29NF	350	{147}	—	—
1977-64	610, 700, 710	29NF	350	{147}	—	—
1973	8034 – Ford Eng	30H	300		T4-31P	T4-31P+

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
KOEHRING COMPANY (Continued)						
Cranes, Moto-Type w/ Rubber Tires and Two Engines						
1983-78	MCH-350	4D	750	{15}	T4-4D	—
1983-78	MCH-400 – Optional	4D	750	{15}	T4-4D	—
1983-78	MCH-400, MCH-500	8D	950	{147}	T4-8D	T4-4D
1983-78	MCH-500 – Optional	4D	750	{15}	T4-4D	—
1983-63	MC-1150, MC-1400	8D	950	{147}	T4-8D	T4-4D
1983-63	MC-1650, MC-7125	8D	950	{147}	T4-8D	T4-4D
1983-63	MC-540, MC-540A	8D	935	{147}	T4-8D	T4-4D
1983-63	MC-550A	8D	935	{147}	T4-8D	T4-4D
1983-63	MC-8150, MC-9115	8D	950	{147}	T4-8D	T4-4D
1983-61	MC-670A, MC-680	8D	935	{147}	T4-8D	T4-4D
1983-61	MC-760, MC-770	8D	935	{147}	T4-8D	T4-4D
1983-61	MC-775, MC-790	8D	935	{147}	T4-8D	T4-4D
1978-66	MC-30H, MC-35H	8D	935	{147}	T4-8D	T4-4D
1978-66	MC-75H	8D	935	{147}	T4-8D	T4-4D
1978-63	MC-545 – Waukeska, Cummins	4	655	{15}	—	—
1978-63	MC-545 – Cat. Eng, Cummins, DD Eng	8D	935	{147}	T4-8D	T4-4D
1978-63	MC-550A – Waukeska, Cummins	4	655	{15}	—	—
1978-63	MC-550A – Cat. Eng, Cummins, DD Eng	8D	935	{147}	T4-8D	T4-4D
1974-64	MC-320 – Waukeska Eng	4	655	{147}	—	—
1974-64	MC-320, MC-325	8D	935	{147}	T4-8D	T4-4D
1974-64	MC-325 – Waukeska Eng	4	655	{147}	—	—
1974-64	MC-330 – Waukeska Eng	4	655	{147}	—	—
		8D	935	{147}	T4-8D	T4-4D
1973-61	MC-254 – Waukeska Eng	2	545		—	—
1973-61	MC-254 – DD Eng	7D	925	{15}	—	—
1973-61	MC-254W – Waukeska Eng	2	545		—	—
1973-61	MC-254W – DD Eng	7D	925	{15}	—	—
1965-61	MC-107	1	450	{15}	—	—
1961	MC-110 – Ford 254 Eng	2	545		—	—
1961	MC-110 – Ford 272 Eng	24	400		S3-24	S4-24
1961	MC-110 – DD 2-71 Eng	7D	925	{15}	—	—
1961	MC-110 – Ford 233 Eng	8D	935		T4-8D	T4-4D
1961	MC-424 – DD Eng	8D	935		T4-8D	T4-4D
1961	MC-424W – DD Eng	8D	935		T4-8D	T4-4D
1961	MC-425 – DD Eng	8D	935		T4-8D	T4-4D
1961	MC-425W – DD Eng	8D	935		T4-8D	T4-4D
1961	MC-425WL – DD Eng	8D	935		T4-8D	T4-4D
1961	MC-530, MC-530W	8D	935	{147}	T4-8D	T4-4D
Cranes, Self-Propelled w/ Rubber Tires and One Eng						
1978-73	LRT-15H, LRT-15U	8D	950	{147}	T4-8D	T4-4D
1978-73	LRT-18U, LRT-35U	8D	950	{147}	T4-8D	T4-4D
1973-61	SP-107 – Cont GD157 & Ford 172 Eng	1	450	{147}	—	—
1973-61	SP-107 – Ford 220 Eng	4D	750		T4-4D	
1973-61	SP-107 – Cummins-Cont. F-186 & DD Eng	7D	925	{15}	—	—
1973-61	SP-108 – Ford Eng	4D	750		T4-4D	—
1973-61	SP-108 – Cont Eng	7D	925	{15}	—	—
1973-61	SP-108A – Ford Eng	4D	750		T4-4D	—
1973-61	SP-108A – Cont Eng	7D	925	{15}	—	—
1973-61	SP-254 – Waukeska, Cat. Eng, Hercules Eng	2	545	{15}	—	—
1973-61	SP-254 – DD Eng	7D	925	{15}	—	—
1973-61	SP-254W – Waukeska, Cat. Eng, Hercules Eng	2	545	{15}	—	—
1973-61	SP-254W – DD Eng	7D	925	{15}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
KOEHRING COMPANY (Continued)						
Cranes, Self-Propelled w/ Rubber Tires and One Eng (Continued)						
1973-61	SP-530 – Optional, Waukeska Eng	2	545	{15}	—	—
1973-61	SP-530 – Waukeska Eng	4	655	{15}	—	—
1973-61	SP-530 – Cummins, DD Eng	8D	950	{147}	T4-8D	T4-4D
1973-61	SP-530W – Optional, Waukeska Eng	2	545	{15}	—	—
1973-61	SP-530W – Waukeska Eng	4	655	{15}	—	—
1973-61	SP-530W – Cummins, DD Eng	8D	950	{147}	T4-8D	T4-4D
1967-61	501, 501P, 502, 502P	24	340		S3-24	S4-24
1967-61	501D, 501PD, 502D	30H	380		T4-31P	T4-31P+
1967-61	502PD, 601PP	30H	380		T4-31P	T4-31P+
1967-61	510P, 540, 590, 600	24	340		S3-24	S4-24
1967-61	540D, 600D	4D	750		T4-4D	—
1967-61	601P, 60P	24	340		S3-24	S4-24
1965-61	4-5 models – Optional, Waukeska Eng, Cat. Eng	2	545	{147}	—	—
1965-61	4-5 models – Cat. Eng	8D	950	{147}	T4-8D	T4-4D
1961	670	8D	950	{15}	T4-8D	T4-4D
1961	SP-100 – Ford 233 Eng	8D	935		T4-8D	T4-4D
1961	TSP-875 – Cat. Eng	2	545		—	—
Crawler Machines						
1978-61	L-48H – Waukeska, Cat. Eng	2	545	{147}	—	—
1978-61	L-48H, L-50 – DD Eng	8D	935	{147}	T4-8D	T4-4D
1978-61	L-50 – Waukeska, Cat. Eng	2	545	{147}	—	—
1978-61	L-72, L-775, L-790	8D	935	{147}	T4-8D	T4-4D
1978-61	L-820A, L-86	8D	935	{147}	T4-8D	T4-4D
1975-68	L-48L	8D	935	{147}	T4-8D	T4-4D
1973-65	L-36 Pipeliner – Waukeska Eng	4	655	{15}	—	—
1973-65	L-36 Pipeliner – Exc Waukeska Eng	8D	935		T4-8D	T4-4D
1973-64	L-51	4	655		—	—
1973-61	L-26 – DD Eng	7D	925		—	—
1973-61	L-51 – Waukeska Eng	4	655	{15}	—	—
1973-61	L-51, L-56 – Other Engs	8D	935	{147}	T4-8D	T4-4D
1973-61	L-56 – Waukeska Eng	4	655	{15}	—	—
1973-61	L-56K4 – Waukeska Eng	4	655	{15}	—	—
1973-61	L-56K4 – Other Engs	8D	935	{147}	T4-8D	T4-4D
1973-61	L-56K5 – Waukeska Eng	4	655	{15}	—	—
1973-61	L-56K5 – Other Engs	8D	935	{147}	T4-8D	T4-4D
Front End Loaders						
1971-63	ML-200 – Cont Eng	1	450	{15}	—	—
1971-63	ML-200 – Cummins Diesel	7D	925	{15}	—	—
1971-63	ML-225 – Cont Eng	1	450	{15}	—	—
1971-63	ML-225 – Cummins Diesel	7D	925	{15}	—	—
1971-63	ML-250 – Cont Eng	1	450	{15}	—	—
1971-63	ML-250 – Cummins Diesel	7D	925	{15}	—	—
1971-63	ML-275 – Cont Eng	1	450	{15}	—	—
1971-63	ML-275 – Cummins Diesel	7D	925	{15}	—	—
1971-61	ML-307, ML-325	8D	935	{15}	T4-8D	T4-4D
Cranes, Excavators & Shovel Units						
1989-85	4460, 4465, 4470	31A	625	{15}	T4-31P	T4-31P+
1989-85	4475	31A	625	{15}	T4-31P	T4-31P+
1989-85	MCH-140, MCH-150	31A	625	{148}	T4-31P	T4-31P+
1989-85	MCH-180, MCH-200	31A	625	{148}	T4-31P	T4-31P+
1989-85	MCH-230, MCH-250	31A	625	{148}	T4-31P	T4-31P+
1989-85	MCH-350	31A	625	{148}	T4-31P	T4-31P+
1989-81	6625, 6625-L, S-888	31A	625	{148}	T4-31P	T4-31P+

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		O.E. CCA BCI @ NO. 0°F			Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
KOEHRING COMPANY (Continued)						
Cranes, Excavators & Shovel Units (Continued)						
1989-81	T-888	31A	625	{148}	T4-31P	T4-31P+
1989-79	MCH-275	31A	625	{148}	T4-31P	T4-31P+
1989-78	LRT-150, LRT-180	31A	625	{148}	T4-31P	T4-31P+
1989-78	LRT-200, LRT-220	31A	625	{148}	T4-31P	T4-31P+
1989-78	LRT-230, LRT-250	31A	625	{148}	T4-31P	T4-31P+
1989-78	LRT-275	31A	625	{148}	T4-31P	T4-31P+
1989-66	6644, 6644-KL	8D	935	{147}	T4-8D	T4-4D
1989-66	6644-L, Telescoop	8D	935	{147}	T4-8D	T4-4D
1988-79	LRT-330, MCA-275	31A	625	{148}	T4-31P	T4-31P+
1988-79	MCH-300	31A	625	{148}	T4-31P	T4-31P+
1987-78	180, 200, 220	31A	625	{148}	T4-31P	T4-31P+
1987-78	LCD-150	31A	625	{148}	T4-31P	T4-31P+
1985-81	166, 266	31A	625	{15}	T4-31P	T4-31P+
1985-75	1166, 1266-D, 1466	8D	975	{15}	T4-8D	T4-4D
1985-74	366, 366C	4D	760	{15}	T4-4D	—
1985-73	488A, 522, 588, 588A	8D	935		T4-8D	T4-4D
1985-73	644, 688A, 725, 744	8D	935		T4-8D	T4-4D
1985-72	866, 866D, 866E	8D	975	{15}	T4-8D	T4-4D
1985-67	665-1ASP, 665-1ATC	8D	975	{147}	T4-8D	T4-4D
1985-67	666, 666-1A, 666-1B	8D	975	{147}	T4-8D	T4-4D
1985-67	666-2A, 666-D, 666-E	8D	975	{147}	T4-8D	T4-4D
1985-67	666-ELS, 666-ESR	8D	975	{147}	T4-8D	T4-4D
1985-61	505-1A, 505-1B	8D	975	{147}	T4-8D	T4-4D
1985-61	535-1A, 566	8D	975	{147}	T4-8D	T4-4D
1985-58	1000-1B - Optional	4	790	{179}	—	—
1985-58	1000-1B, 1066	8D	975	{147}	T4-8D	T4-4D
1985-58	1066 - Optional	4	790	{179}	—	—
1985-58	1066-1A - Optional	4	790	{179}	—	—
1985-58	1066-1A, 1266-D	8D	975	{147}	T4-8D	T4-4D
1985-58	1266-D - Optional	4	790	{179}	—	—
1984-61	304 - Chrysler, Ford Eng	27	360		S4-27	S5515B
1984-61	304, 304C - GM Eng	8D	935		T4-8D	T4-4D
1984-61	304C - Chrysler, Ford Eng	27	360		S4-27	S5515B
1984-61	306A - Chrysler, Ford Eng	27	360		S4-27	S5515B
1984-61	306A, 306C - GM Eng	8D	935		T4-8D	T4-4D
1984-61	306C - Chrysler, Ford Eng	27	360		S4-27	S5515B
1984-61	306RR - Chrysler, Ford Eng	27	360		S4-27	S5515B
1984-61	306RR - GM Eng	8D	935		T4-8D	T4-4D
1982-78	488B, 588B, 688B	31A	625	{148}	T4-31P	T4-31P+
1981-78	788/448, S-888	4D	760	{15}	T4-4D	—
1981-78	T-888	4D	760	{15}	T4-4D	—
1981-75	466E, 466ELS, 466ESR	4D	775	{15}	T4-4D	—
1981-74	266, 266C	4D	760	{147}	T4-4D	—
1981-65	155-166, 206	8D	935		T4-8D	T4-4D
1981-65	306 - Carrier	8D	935		T4-8D	T4-4D
1981-55	1066C - Cummins Diesel	7D	880	{173}	—	—
1981-55	1066C, 1066D - Optional	4	655		—	—
1981-55	1066C, 1066D, 1066E	8D	975	{15}	T4-8D	T4-4D
1981-55	1066D - Cummins Diesel	7D	880	{173}	—	—
1981-55	1066E - Cummins Diesel	7D	880	{173}	—	—
1981-55	1066E, 1166E - Optional	4	655		—	—
1981-55	1166E - Cummins Diesel	7D	880	{173}	—	—
1981-55	1166E, 1205-1A	8D	975	{15}	T4-8D	T4-4D
1981-55	1205-1A - Optional	4	655		—	—
1981-55	1205-1A - Cummins Diesel	7D	880	{173}	—	—
1981-55	1205-1B - Optional	4	655		—	—
1981-55	1205-1B - Cummins Diesel	7D	880	{173}	—	—
1981-55	1205-1B, 1295-1A	8D	975	{15}	T4-8D	T4-4D
1981-55	1295-1A - Optional	4	655		—	—

		O.E. CCA BCI @ NO. 0°F		Notes	Replacement Options	
YEAR	DESCRIPTION				Option 1	Option 2
KOEHRING COMPANY (Continued)						
Cranes, Excavators & Shovel Units (Continued)						
1981-55	1295-1A – Cummins Diesel	7D	880	{173}	—	—
1979-76	405-2B	8D	935		T4-8D	T4-4D
1979-64	400 – Other Engs, Carrier	27	360		S4-27	S5515B
1979-64	400 – GM Eng, Carrier	8D	935		T4-8D	T4-4D
1979-64	414, 416 – Other Engs	27	360		S4-27	S5515B
1979-64	414, 416, 424 – GM Eng	8D	935		T4-8D	T4-4D
1979-64	424, 424C – Other Engs	27	360		S4-27	S5515B
1979-64	424C, 426 – GM Eng	8D	935		T4-8D	T4-4D
1979-64	426, 426C – Other Engs	27	360		S4-27	S5515B
1979-64	426C – GM Eng	8D	935		T4-8D	T4-4D
1979-62	366-1A, 405-2A	8D	935	{147}	T4-8D	T4-4D
1979-62	405-2B, 445-1A	8D	935	{147}	T4-8D	T4-4D
1979-62	450-1A	8D	935	{147}	T4-8D	T4-4D
1979-62	545-1A – Waukeska, IHC Eng, DD Eng	4	655	{15}	—	—
1979-62	545-1A – Cat. Eng, Cummins	8D	935	{147}	T4-8D	T4-4D
1979-62	550-1A – Waukeska, IHC Eng, DD Eng	4	655	{15}	—	—
1979-62	550-1A – Cat. Eng, Cummins	8D	935	{147}	T4-8D	T4-4D
1978-61	350, C-350 – Gas	1	500	{147,172}	—	—
1978-61	350, C-350 – Opt Gas	27	360	{165}	S4-27	S5515B
1978-61	350, C-350 – Diesel	8D	935	{165}	T4-8D	T4-4D
1978-61	CR-350, T-350 – Gas	1	500	{147,172}	—	—
1978-61	CR-350, T-350 – Opt Gas	27	360	{165}	S4-27	S5515B
1978-61	CR-350, T-350 – Diesel	8D	935	{165}	T4-8D	T4-4D
1977-72	434A, 488, C-451	8D	935		T4-8D	T4-4D
1977-72	T-451	8D	935		T4-8D	T4-4D
1975-69	626, 628 – Chrysler Eng	27	360		S4-27	S5515B
1975-69	626, 628 – GM Eng	8D	935		T4-8D	T4-4D
1975-65	335-2A – Waukeska Eng	4	655	{15}	—	—
1975-65	335-2A – Exc Waukeska Eng	8D	935	{147}	T4-8D	T4-4D
1975-65	435-1A – Waukeska Eng	4	655	{15}	—	—
1975-65	435-1A – Exc Waukeska Eng	8D	935	{147}	T4-8D	T4-4D
1975-65	440-1A – Waukeska Eng	4	655	{15}	—	—
1975-65	440-1A – Exc Waukeska Eng	8D	935	{147}	T4-8D	T4-4D
1975-65	440-1ATC – Waukeska Eng	4	655	{15}	—	—
1975-65	440-1ATC – Exc Waukeska Eng	8D	935	{147}	T4-8D	T4-4D
1975-65	455-S – Waukeska Eng	4	655	{15}	—	—
1975-65	455-S – Exc Waukeska Eng	8D	935	{147}	T4-8D	T4-4D
1975-65	SP40-1A – Waukeska Eng	4	655	{15}	—	—
1975-65	SP40-1A – Exc Waukeska Eng	8D	935	{147}	T4-8D	T4-4D
1975-58	305-1A – Waukeska, IHC Eng, DD Eng	4	655	{15}	—	—
1975-58	305-1A – Cat. Eng, Cummins	8D	935	{15}	T4-8D	T4-4D
1975-58	305-1A Cruiser Waukeska, IHC Eng, DD Eng	4	655	{15}	—	—
1975-58	305-1A Cruiser – Cat. Eng, Cummins	8D	935	{15}	T4-8D	T4-4D
1975-58	305-1A Cruiser – Optional, Waukeska Eng	8D	935	{15}	T4-8D	T4-4D
1975-58	325-1A – Waukeska, IHC Eng, DD Eng	4	655	{15}	—	—
1975-58	325-1A – Cat. Eng, Cummins	8D	935	{15}	T4-8D	T4-4D

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INDUSTRIAL KOEHRING COMPANY — KOHLER COMPANY

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
KOEHRING COMPANY (Continued)						
Cranes, Excavators & Shovel Units (Continued)						
1975-58	330-1A – Waukesha, IHC Eng. DD Eng	4	655	{15}	—	—
1975-58	330-1A – Cat. Eng, Cummins	8D	935	{15}	T4-8D	T4-4D
1975-58	330-2A – Waukesha, IHC Eng. DD Eng	4	655	{15}	—	—
1975-58	330-2A – Cat. Eng, Cummins	8D	935	{15}	T4-8D	T4-4D
1975-58	335-1A – Waukesha, IHC Eng. DD Eng	4	655	{15}	—	—
1975-58	335-1A – Cat. Eng, Cummins	8D	935	{15}	T4-8D	T4-4D
1975-58	605-2A	4	655	{147}	—	—
1975-58	605-2A – Optional	8D	935	{15}	T4-8D	T4-4D
1975-58	605A – Cat. Eng	8D	935	{15}	T4-8D	T4-4D
1975-58	805-1A – Waukesha WAK, GM & Cat D342CNA Eng	4	655	{147}	—	—
1975-58	805-1A – Cat. Eng, Cummins	8D	935	{15}	T4-8D	T4-4D
1975-53	205-2A – Cat. Eng	8D	935	{15}	T4-8D	T4-4D
1975-53	205-2A, 205-2B	4	655	{179}	—	—
1975-53	205-2B – Cat. Eng	8D	935	{15}	T4-8D	T4-4D
1975-53	218-1A – Cat. Eng	8D	935	{15}	T4-8D	T4-4D
1975-53	218-1A, 220-1A	4	655	{179}	—	—
1975-53	220-1A – Cat. Eng	8D	935	{15}	T4-8D	T4-4D
1975-53	225-1A	4	655	{179}	—	—
1975-53	225-1A – Cat. Eng	8D	935	{15}	T4-8D	T4-4D
1974-70	C-475	4D	760		T4-4D	—
1973-67	515 Log Loader – Chrysler Eng	27	360		S4-27	S5515B
1973-66	Telekruisers – Chrysler Eng	27	360		S4-27	S5515B
1973-66	Telekruisers – DD Eng	8D	935		T4-8D	T4-4D
1973-61	C-450 – Chrysler Eng	27	360		S4-27	S5515B
1973-61	C-450 – Cummins, DD Eng	8D	935		T4-8D	T4-4D
1973-61	T-450 – Chrysler Eng	27	360		S4-27	S5515B
1973-61	T-450 – Cummins, DD Eng	8D	935		T4-8D	T4-4D
1973-61	TK-450 – Chrysler Eng	27	360		S4-27	S5515B
1973-61	TK-450 – Cummins, DD Eng	8D	935		T4-8D	T4-4D
1971-37	16E-1B, 16E-1D	4	655	{148}	—	—
1971-37	34E-1B, 34E-3A	4	655	{148}	—	—
1967-41	304-1A	4	790	{179}	—	—
1967-41	304-1A – Optional	7D	880	{15}	—	—
1966-61	54 – Carrier	27	360		S4-27	S5515B
1965-61	206	27	360		S4-27	S5515B
1965-61	306 – Carrier	27	360		S4-27	S5515B
1955-48	1005-1A	4	790	{179}	—	—
1955-48	1005-1A – Optional	7D	880		—	—
Logger						
1985-72	866D	8D	975	{15}	T4-8D	T4-4D
1976-58	445-1A – Optional	4	655	{147}	—	—
1976-58	445-1A, 455-1A	8D	935	{147}	T4-8D	T4-4D
1976-58	455-1A – Optional	4	655	{147}	—	—
1976-58	466-1A – Optional	4	655	{147}	—	—
1976-58	466-1A, 466-D	8D	935	{147}	T4-8D	T4-4D
1976-58	466-D – Optional	4	655	{147}	—	—
1976-58	466-DLS – Optional	4	655	{147}	—	—
		8D	935	{147}	T4-8D	T4-4D
Finishers & Pavers						
1975-58	TF-1A Finisher	1	450		—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
KOHLER COMPANY						
Early Models Prior to 1976						
1975-69	100RO81, 150RO81	4	655	{173}	—	—
1975-69	10RCOP21, 12.5RCOP21	2	600	{15}	—	—
1975-69	125RO81	1	630		—	—
1975-69	12RMO21, 20RO61	2	600	{15}	—	—
1975-69	15MY21, 15RO21	30HR	340		T4-31P	T4-31P+
1975-69	15ROY21	30HR	340		T4-31P	T4-31P+
1975-69	170R81, 175RO81	4	655	{173}	—	—
1975-69	200RO81	4	655	{173}	—	—
1975-69	250RO81, 300RO81	8D	900	{15}	T4-8D	T4-4D
1975-69	350RO81, 400RO81	8D	900	{15}	T4-8D	T4-4D
1975-69	450RO81, 500ROZ81	8D	900	{15}	T4-8D	T4-4D
1975-69	500ROZD81	8D	900	{15}	T4-8D	T4-4D
1975-69	7.5RKM21	29NF	300		—	—
1975-69	Models 1 thru 5	29NF	300		—	—
1975-69	Models 7.5 thru 115 Optional	30H	340		T4-31P	T4-31P+
Electric Plants						
2000-98	20REOZJ – Optional	24	900	{165}	—	—
		26	525	{15,166}	S3513B	S3560B{32}
2000-94	135ROZJ, 150ROZ	31T	1000	{147}	T4-31+	—
2000-94	150ROZJ, 150ROZP	31P	1000	{15}	T4-31P+	—
2000-94	180ROZJ, 180ROZP	31P	1000	{15}	T4-31P+	—
2000-94	200RZD	31P	1000	{15}	T4-31P+	—
2000-93	1000ROZD, 1200ROZD	31P	1000		T4-31P+	—
2000-93	1500ROZD, 1600ROZD	31P	1000		T4-31P+	—
2000-93	2000ROZD, 800ROZD	31P	1000		T4-31P+	—
2000-93	450ROZD, 500ROZD	31P	1000	{173}	T4-31P+	—
2000-93	600ROZD, 750ROZD	31P	1000	{173}	T4-31P+	—
2000-93	900ROZD	31P	1000		T4-31P+	—
2000-91	10ROY/ROZ, 6ROY/ROZ	24	900		—	—
2000-89	10RY/RZ, 12RY/RZ	31P	625		T4-31P	T4-31P+
2000-89	200ROZD, 50ROZJ	24	900		—	—
2000-89	230ROZD, 250ROZD	31P	1000	{173}	T4-31P+	—
2000-89	275ROZD, 275RZD	31P	1000	{173}	T4-31P+	—
2000-89	300ROZD, 350ROZD	31P	1000	{173}	T4-31P+	—
2000-89	400ROZD	31P	1000	{173}	T4-31P+	—
2000-89	50ROZP, 50RZ, 60ROZJ	24	900		—	—
2000-89	60ROZP, 60RZ, 70RZ	24	900		—	—
2000-84	15ROY/ROZ, 18RY/RZ	24	900		—	—
2000-84	20RZ	24	900		—	—
2000-83	20ROZJ, 20ROZP	24	900		—	—
2000-83	30ROZJ, 30ROZP, 30RZ	24	900		—	—
2000-83	35RZ, 40ROZJ, 40ROZP	24	900		—	—
2000-83	45RZ	24	900		—	—
2000-75	100REOZJ, 100ROZJ	24	900	{147}	—	—
2000-75	100ROZP, 100RZ, 70RZ	24	900	{147}	—	—
2000-75	80REOZJ, 80ROZJ	24	900	{147}	—	—
2000-75	80ROZP, 80RZ	24	900	{147}	—	—
1997-94	125ROZP	31A	1000		T4-31P+	—
1997-93	5RMY	30H	460		T4-31P	T4-31P+
1997-92	6.5RMY	U1	200		—	—
1997-89	15RMOY, 15RMY	30H	460		T4-31P	T4-31P+
1995-89	150ROZJ, 180ROZJ	31A	625	{15}	T4-31P	T4-31P+
1994-83	33RZ, 40ROZ, 45ROZ	31A	625		T4-31P	T4-31P+
1994-83	50ROZ	31A	625		T4-31P	T4-31P+
1993-89	1200ROZD, 1500ROZD	31A	900		T4-31P+	T6-31P
1993-89	1600ROZD, 800ROZD	31A	900		T4-31P+	T6-31P
1993-89	450ROZD, 500ROZD	31A	625	{173}	T4-31P	T4-31P+
1993-89	600ROZD, 750ROZD	31A	625	{173}	T4-31P	T4-31P+
1993-83	5RMY	U1	200		—	—

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INDUSTRIAL

KOHLER COMPANY — KOLMAN

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		O.E. CCA BCI @ NO. 0°F			Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
KOHLER COMPANY (Continued)						
Electric Plants (Continued)						
1992-82	7RMY	U1	200		—	—
1992-76	3.5CM-HS, 5CM-HS	U1	200		—	—
1991-83	17RY, 20ROZ, 30ROZ	31A	625		T4-31P	T4-31P+
1991-82	5RMOY	30H	460		T4-31P	T4-31P+
1990-87	1250ROZ	8D	900	{173}	T4-8D	T4-4D
1990-84	100ROZ, 150ROZ	31A	625		T4-31P	T4-31P+
1990-84	125ROZ	31A	625	{15}	T4-31P	T4-31P+
1990-84	60ROZ, 80ROZ	31A	625		T4-31P	T4-31P+
1990-78	350ROZ	8D	935	{15}	T4-8D	T4-4D
1990-77	1000ROZ, 1100ROZ	8D	900	{173}	T4-8D	T4-4D
1990-77	180ROZ, 200ROZ	8D	900	{15}	T4-8D	T4-4D
1990-77	230ROZ	8D	900	{15}	T4-8D	T4-4D
1990-77	750ROZ, 800ROZ	8D	900	{173}	T4-8D	T4-4D
1990-77	900ROZ	8D	900	{173}	T4-8D	T4-4D
1990-69	250ROZ, 275ROZ	8D	900	{15}	T4-8D	T4-4D
1990-69	300ROZ, 400ROZ	8D	900	{15}	T4-8D	T4-4D
1990-69	450ROZ, 500ROZ	8D	900	{15}	T4-8D	T4-4D
1990-69	600ROZ	8D	900	{15}	T4-8D	T4-4D
1989-84	160ROZ	8D	935	{15}	T4-8D	T4-4D
1989-75	10RM, 10RMOY, 12.5R	30H	380		T4-31P	T4-31P+
1989-75	12RMO, 15R, 15RM	30H	380		T4-31P	T4-31P+
1985-69	250RO, 260ROZ	8D	935	{15}	T4-8D	T4-4D
1984-81	100RZ	30H	380		T4-31P	T4-31P+
1984-80	60ROZ	30H	380		T4-31P	T4-31P+
1984-79	150ROZ	8D	935		T4-8D	T4-4D
1984-75	125RO, 125ROZ	8D	935		T4-8D	T4-4D
1984-75	130ROZ	8D	935		T4-8D	T4-4D
1984-75	22.5RZ, 24ROZ, 30R	30H	380		T4-31P	T4-31P+
1984-75	30RO, 70R, 75ROZ	30H	380		T4-31P	T4-31P+
1984-75	85R, 85RZ	30H	380		T4-31P	T4-31P+
1984-69	165ROZ, 170R, 175RO	4	655	{173}	—	—
1984-69	175ROZ, 200RO	4	655	{173}	—	—
1983-76	5RMS	30H	300		T4-31P	T4-31P+
1983-75	30ROZ, 30RZ, 32.5ROZ	30H	380		T4-31P	T4-31P+
1983-75	32.5RZ, 45R, 45RO	30H	380		T4-31P	T4-31P+
1983-75	45ROZ, 45RZ, 47.5ROZ	30H	380		T4-31P	T4-31P+
1983-75	55R, 55RZ, 60RO	30H	380		T4-31P	T4-31P+
1982-75	15.5ROY, 15ROY, 7.5R	30H	380		T4-31P	T4-31P+
1982-75	6.5RK	29NF	300		—	—
1982-75	7.5RMW, 8.5RMO	30H	380		T4-31P	T4-31P+
1982-69	2.5RM, 3RM, 4RM	29NF	300		—	—
1982-69	20R, 20RO	30H	380		T4-31P	T4-31P+
1982-69	4RMO	29NF	300		—	—
1981-69	10RCOP, 12.5RCOP	2	545	{15}	—	—
1980-69	100RO, 75ROZ	4	655	{173}	—	—
1979-69	350ROZD, 400ROZD	8D	935	{15}	T4-8D	T4-4D
1979-69	500ROZD	8D	935	{15}	T4-8D	T4-4D
1978-75	7.5RKM	29NF	300		—	—
1978-69	5RKM, 5RM	29NF	300		—	—
1976-75	15RO	30H	380	{15}	T4-31P	T4-31P+
1976-69	150RO	4	655	{173}	—	—
1975-69	125RO	1	600		—	—
Generators						
2005	10 CCE/CEZ, 10 CEFZ	NA	400	{24}	—	—
2005	1000REOZDB	NA	1150	{15,24}	—	—
2005	1000REOZM, 650REOZDB	NA	1150	{15,24}	—	—
2005	100REOZJB	NA	1800	{15,24}	—	—
2005	100REOZJC	NA	1640	{15,24}	—	—
2005	100RZG – RES, 125RZG	NA	1630	{24}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
KOHLER COMPANY (Continued)						
Generators (Continued)						
2005	10ROY, 10ROZ, 15ROY	NA	500	{24}	—	—
2005	11 RMY, 12 RES	NA	675	{24}	—	—
2005	12 CCE/CEZ, 12 CEFZ	NA	400	{24}	—	—
2005	1250REOZM, 1600REOZM	NA	1150	{24,173}	—	—
2005	125REOZJB	NA	1800/2570	{15,24}	—	—
2005	1350REOZDB	NA	2500	{24,173}	—	—
2005	135REOZJC	NA	1640/2570	{15,24}	—	—
2005	15 RYG, 30 RYG	NA	600	{24}	—	—
2005	1500REOZDB	NA	2500	{24,173}	—	—
2005	150REOZJB, 180REOZJB	NA	1800/2570	{24}	—	—
2005	150REOZJC, 180ROZK	NA	1640/2570	{24}	—	—
2005	15ROZ, 6ROY, 6ROZ	NA	500	{24}	—	—
2005	180RZD, 200RZD	NA	2950	{24}	—	—
2005	1820REOZDB	NA	2500	{24,173}	—	—
2005	18RY, 18RZ, 20RZ	NA	1630	{24}	—	—
2005	200REOZDB	NA	2500	{24,173}	—	—
2005	200REOZJB, 230REOZJB	NA	2570	{24}	—	—
2005	200REOZM, 2500REOZD	NA	2300	{24,173}	—	—
2005	20REOZJB, 30REOZJB	NA	1640	{24}	—	—
2005	22RY	NA	670	{24}	—	—
2005	230REOZD, 230RZD	NA	2950	{24}	—	—
2005	250REOZD, 250RZD	NA	2950	{24}	—	—
2005	275REOZD, 275REOZV	NA	2950	{24}	—	—
2005	275RZD, 300REOZD	NA	2950	{24}	—	—
2005	2800REOZD	NA	2300	{24,173}	—	—
2005	300REOZV, 350REOZD	NA	2950	{24}	—	—
2005	30RZG, 35RZG – RES	NA	1630	{24}	—	—
2005	350REOZV, 400REOZD	NA	2950	{24}	—	—
2005	35RZG, 45RZG, 60RZG	NA	1630	{24}	—	—
2005	4 EFRKM, 7 ER	NA	260	{24}	—	—
2005	400REOZV	NA	950	{15,24}	—	—
2005	40REOZJB, 50REOZJB	NA	1640	{24}	—	—
2005	45RZG – RES	NA	1630	{24}	—	—
2005	5 ERKM	NA	250	{24}	—	—
2005	50HZ	NA	426	{24}	—	—
2005	50RZGB – RES	NA	1630	{24}	—	—
2005	6 EFR	NA	400	{24}	—	—
2005	60HZ	NA	450	{24}	—	—
2005	60RZG – RES	NA	1630	{24}	—	—
2005	750REOZDB, 750REOZM	NA	1150	{15,24}	—	—
2005	8.5 RES	NA	675	{24}	—	—
2005	800REOZM, 900REOZDB	NA	1150	{15,24}	—	—
2005	80RZG	NA	1630	{24}	—	—
2005	80RZG – RES	NA	1630	{24}	—	—
2005	900REOZM	NA	1150	{15,24}	—	—
2005	COM – 6	NA	1500	{24}	—	—
2004-02	10 EOR/Z	31T	625		T4-31	T4-31+
2004-02	12.5 EFOR/Z	31T	625		T4-31	T4-31+
2004-02	15 EOR/Z	31T	625		T4-31	T4-31+
2004-02	16.5 EFOR/Z	31T	625		T4-31	T4-31+
2004-02	20 EOR/Z, 6 EFOR/Z	31T	625		T4-31	T4-31+
2004-02	7.5 EOR/Z, 9 EFOR/Z	31T	625		T4-31	T4-31+
KOLMAN						
Formerly a Division of ATHEY PRODUCTS CO.						
Loaders & Skidders						
1971-70	S-70	24	400	{15}	S3-24	S4-24
1971-68	S-100B, S-135, S-95	4D	850		T4-4D	—
1971-68	S-97	4D	850		T4-4D	—
1971-62	11-Jul, 125	24	340		S3-24	S4-24

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL KOLMAN — KOMATSU

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
KOLMAN (Continued)						
Material Handling Equipment						
1993-78	101 All American 40in.X24in., 50in.X24in., 50in.X30in.	8D	1150		T4-8D	—
1993-62	202 – 18in., 24in.	24	515		S3-24	S4-24
1993-62	202 – Optional, 18in., 24in.	8D	935		T4-8D	T4-4D
1993-59	18 – Other Eng	24	515		S3-24	S4-24
1993-59	18in., 24in. – GM Eng	8D	850		T4-8D	T4-4D
1993-59	30in. – All other Eng	24	515		S3-24	S4-24
1993-59	30in. – GM Eng, Cat Eng	8D	850		T4-8D	T4-4D
1993-59	30in., 36in. – IHC Eng	2	590	{15}	—	—
1993-59	36in. – All other Eng	24	515		S3-24	S4-24
1993-59	36in. – GM Eng, Cat Eng	8D	1150	{147}	T4-8D	—
1993-59	42in. – GM Eng, Cat Eng	8D	1150	{147}	T4-8D	—
1993-59	42in., 48in. – IHC Eng	24	515		S3-24	S4-24
1993-59	48in. – GM Eng, Cat Eng	8D	1150	{147}	T4-8D	—
1981-77	101-SS – 40in.X24in., 50in.X24in., 50in.X30in.	30H	380		T4-31P	T4-31P+
1981-77	202-SS – 40in.X24in., 50in.X24in., 50in.X30in.	30H	380		T4-31P	T4-31P+
1976-59	303 – 48in., 60in., 50in.X60in., 60in.X60in., 50in.X72in	8D	1150	{147}	T4-8D	—
1976-59	404 – 48in., 60in., 50in.X60in., 60in.X60in., 50in.X72in	8D	1150	{147}	T4-8D	—
All American						
1993-86	202 – 40in.X24in., 50in.X24in., 50in.X30in.	4D	975		T4-4D	—
Moto-Scaffold						
1962-59	X205	2L	400		—	—
KOMATSU						
See also HAULPAK DIVISION						
Mfr. Recommended replacement battery shown, may vary from OE battery.						
Backhoe Loaders						
2004-02	WB140 – 2N	4DLT	925	{27}	T4-4D{30}	—
2004-02	WB140PS – 2N	4DLT	925	{27}	T4-4D{30}	—
2004-02	WB150 – 2N	4DLT	925	{27}	T4-4D{30}	—
2004-02	WB150AWS – 2N	4DLT	925	{27}	T4-4D{30}	—
2004-02	WB150AWS – 2N – All Wheel Steer	4DLT	925	{27}	T4-4D{30}	—
2004-02	WB150PS – 2N	4DLT	925	{27}	T4-4D{30}	—
Dozers, Crawler Type						
2005	D155AX-5, D155AX-5B	4D	1000	{15}	T4-4D	—
2005	D155AX-5LT	4D	900	{15}	T4-4D	—
2005	D155AX-5SL	4D	1000	{15}	T4-4D	—
2005	D65PX-5, D65WX-12	4DLT	1000	{15,27}	T4-4D{30}	—
2005	D65WX-15, D85E-21	4DLT	1000	{15,27}	T4-4D{30}	—
2005	D85EX – 15, D85EX-15	4D	900	{15}	T4-4D	—
2005	D85P-21	4DLT	1000	{15,27}	T4-4D{30}	—
2005	D85PX – 15, D85PX-5	4D	900	{15}	T4-4D	—
2005	D87E-2BOSS	31T	875	{15}	T4-31+	T6-31
2005	D87P-2BOSS	31T	900	{15}	T4-31+	T6-31
2002	D375	4D	1000		T4-4D	—
	D135A-1, D355A-5	8D	1000	{15}	T4-8D	T4-4D
	D21E-6, D21P-6	31T	750	{15}	T4-31	T4-31+
	D31E-18, D31P-18	31T	750	{15}	T4-31	T4-31+
	D375A-1, D475A-1	8D	1000	{15}	T4-8D	T4-4D
	D37E-2, D37P-2	31T	750	{15}	T4-31	T4-31+
	D58E-1, D58P-1	8D	1000	{15}	T4-8D	T4-4D
	D63E-1, D68E-1	8D	1000	{15}	T4-8D	T4-4D
	D68P-1, D83E-1	8D	1000	{15}	T4-8D	T4-4D

YEAR	DESCRIPTION	O.E. BC NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
KOMATSU (Continued)						
Dozers, Crawler Type (Continued)						
	D83P-1, D85P-18	8D	1000	{15}	T4-8D	T4-4D
	KBD65E-6	8D	1000	{15}	T4-8D	T4-4D
Dozers, Wheel Type						
2004-02	WD600-3	4D	1000		T4-4D	—
	WD600-1	8D	1000	{173}	T4-8D	T4-4D
Dump Trucks, Articulated & Off-Highway						
	HA250, HA270	31T	750	{15}	T4-31	T4-31+
	HD1200M-1, HD465-3	8D	1000	{173}	T4-8D	T4-4D
	HD325-5	31T	750	{15}	T4-31	T4-31+
	HD785-2	8D	1000	{173}	T4-8D	T4-4D
Excavators						
2004-03	PW170ES - 6	4D	1000		T4-4D	—
2004-03	PW200 - 7, PW220 - 7	4D	1000		T4-4D	—
1999-96	200LC-6 - 220	4D	1000	{15}	T4-4D	—
1999-96	220LC-6, 250LC-6	4D	1000	{15}	T4-4D	—
1999-96	300LC-3, 300LC-6	4D	1000	{15}	T4-4D	—
1999-96	PC-300LC-3	8D	1000	{15}	T4-8D	T4-4D
1999-96	PC-360LC-3	8D	1000	{15}	T4-8D	T4-4D
1999-96	PC-400LC-3, PC1000-1	8D	1000	{15}	T4-8D	T4-4D
1999-96	PC1000LC-1, PC650-3	8D	1000	{15}	T4-8D	T4-4D
1999-96	PC200, PC200LC-3	4D	1000	{15}	T4-4D	—
1999-96	PC220LC-3, PC280LC-3	4D	1000	{15}	T4-4D	—
1999-96	PC650LC-3	8D	1000	{15}	T4-8D	T4-4D
1999-96	PF55L-1, PW210-1	31T	750	{15}	T4-31	T4-31+
1999-96	PW05-6, PW30-1	27F	370	{49,147}	S4-27F	S5516B
1999-96	PW60-3	27F	370	{49,147}	S4-27F	S5516B
	PC-80-3	27F	370	{49}	S4-27F	S5516B
Graders						
2004-02	GD555 - 3 LaTerra (Tier 2)	31T	780	{15}	T4-31+	T6-31
1999	GD515A-1, GD525A-1	31T	750	{15}	T4-31	T4-31+
1999	GD615A-1, GD625A-1	31T	750	{15}	T4-31	T4-31+
1999	GD725A-1, GD825A-1	31T	750	{15}	T4-31	T4-31+
1999	GD750A	4D	1000	{15}	T4-4D	—
GD Series						
1999-83	530A/AW2, 650A/AW2	31T	800	{15}	T4-31+	T6-31
Hydraulic Excavators						
2004-02	PC03-2, PC09-1	4D	1000		T4-4D	—
2004-02	PC1100 - 6	4D	1000		T4-4D	—
2004-02	PC1100LC - 6	4D	1000		T4-4D	—
2004-02	PC1100LC - 6MH	4D	1000		T4-4D	—
2004-02	PC120 - 6	4D	1000		T4-4D	—
2004-02	PC120 - 6 Tier 2	4D	1000		T4-4D	—
2004-02	PC1250 - 7	4D	1000		T4-4D	—
2004-02	PC1250LC - 7MH	4D	1000		T4-4D	—
2004-02	PC128US - 2, PC128UU	4D	1000		T4-4D	—
2004-02	PC138USLC - 2	4D	1000		T4-4D	—
2004-02	PC1400, PC150 - 6	4D	1000		T4-4D	—
2004-02	PC150LC - 6	4D	1000		T4-4D	—
2004-02	PC158USLC - 2	4D	1000		T4-4D	—
2004-02	PC15MRX - 1	4D	1000		T4-4D	—
2004-02	PC15R - 8E Deluxe	4D	1000		T4-4D	—
2004-02	PC160LC - 7	4D	1000		T4-4D	—
2004-02	PC1800 - 6	4D	1000		T4-4D	—
2004-02	PC200 - 7	4D	1000		T4-4D	—
2004-02	PC200LC - 7	4D	1000		T4-4D	—
2004-02	PC20MRx - 1	4D	1000		T4-4D	—
2004-02	PC220LC - 7	4D	1000		T4-4D	—
2004-02	PC270LC - 7	4D	1000		T4-4D	—
2004-02	PC27MRx - 1	4D	1000		T4-4D	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL KOMATSU — LAVOR PRO

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

			O.E. CCA BCI @ NO. 0°F		Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
KOMATSU (Continued)						
Hydraulic Excavators (Continued)						
2004-02	PC27R – 8E Deluxe	4D	1000		T4-4D	—
2004-02	PC3000, PC300HD – 7	4D	1000		T4-4D	—
2004-02	PC300LC – 7	4D	1000		T4-4D	—
2004-02	PC308USLC – 3	4D	1000		T4-4D	—
2004-02	PC35MR – 2	4D	1000		T4-4D	—
2004-02	PC35MRX – 1	4D	1000		T4-4D	—
2004-02	PC35R – 8E Deluxe	4D	1000		T4-4D	—
2004-02	PC4000, PC400LC – 7	4D	1000		T4-4D	—
2004-02	PC40MR – 2	4D	1000		T4-4D	—
2004-02	PC40MRX – 1	4D	1000		T4-4D	—
2004-02	PC45MRX – 1	4D	1000		T4-4D	—
2004-02	PC50MR – 2, PC5500	4D	1000		T4-4D	—
2004-02	PC58UU – 3	4D	1000		T4-4D	—
2004-02	PC60 – 7B	4D	1000		T4-4D	—
2004-02	PC600LC – 7	4D	1000		T4-4D	—
2004-02	PC750LC – 7	4D	1000		T4-4D	—
2004-02	PC75R – 2	4D	1000		T4-4D	—
2004-02	PC78MR – 6	4D	1000		T4-4D	—
2004-02	PC78US – 6, PC8000	4D	1000		T4-4D	—
2004-02	PC95R – 2	4D	1000		T4-4D	—
2004-02	PX30MRX – 1	4D	1000		T4-4D	—
2004-02	PX45R – 8E Deluxe	4D	1000		T4-4D	—
	PC05–6, PC20–5	27F	370	{49}	S4-27F	S5516B
	PC120–3, PC150	31T	750	{15}	T4-31	T4-31+
	PC150LC–3, PC180LC–3	31T	750	{15}	T4-31	T4-31+
	PC30–5, PC40–5	27F	370	{49}	S4-27F	S5516B
	PC60–5, PC60U–5	27F	370	{49}	S4-27F	S5516B
Avance						
2004-02	PC120LC – 6	4D	1000		T4-4D	—
2004-02	PC200LC – 6	4D	1000		T4-4D	—
2004-02	PC220LC – 6	4D	1000		T4-4D	—
2004-02	PC228USLC – 2	4D	1000		T4-4D	—
2004-02	PC228USLC – 3	4D	1000		T4-4D	—
2004-02	PC270LC – 6	4D	1000		T4-4D	—
2004-02	PC300HD – 6	4D	1000		T4-4D	—
2004-02	PC300HD – MH	4D	1000		T4-4D	—
2004-02	PC300LC – 6	4D	1000		T4-4D	—
2004-02	PC400HD – 6	4D	1000		T4-4D	—
2004-02	PC400LC – 6	4D	1000		T4-4D	—
2004-02	PC450LCD – 6	4D	1000		T4-4D	—
2004-02	PC600LC – 6	4D	1000		T4-4D	—
2004-02	PC750 – 6	4D	1000		T4-4D	—
2004-02	PC750LC – 6	4D	1000		T4-4D	—
2004-02	PC750SE – 6	4D	1000		T4-4D	—
Loaders, Crawler & Wheel Types						
2004-02	515CH, 520CH, 520E	4D	1000		T4-4D	—
2004-02	520EH, WA1	4D	1000		T4-4D	—
2004-02	WA1200 – 3	4D	1000		T4-4D	—
2004-02	WA150 – 5, WA200–5	4D	1000		T4-4D	—
2004-02	WA200PT–5, WA250 – 5	4D	1000		T4-4D	—
2004-02	WA250PT–5, WA30 – 5	4D	1000		T4-4D	—
2004-02	WA30–5, WA320–5	4D	1000		T4-4D	—
2004-02	WA380–5, WA400 – 5	4D	1000		T4-4D	—
2004-02	WA450–5, WA480–5	4D	1000		T4-4D	—
2004-02	WA50 – 3, WA65–3	4D	1000		T4-4D	—
2004-02	WA700–3, WA75–3	4D	1000		T4-4D	—
2004-02	WA800–3, WA900–3	4D	1000		T4-4D	—
2004-02	WA95–3	4D	1000		T4-4D	—
1999-96	WA250–3, WA320–1	4D	1000	{15}	T4-4D	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
KOMATSU (Continued)						
Loaders, Crawler & Wheel Types (Continued)						
1999-96	WA320–3, WA380–1	4D	1000	{15}	T4-4D	—
1999-96	WA350–1, WA380–1	8D	1000	{15}	T4-8D	T4-4D
1999-96	WA380–3, WA420–1	4D	1000	{15}	T4-4D	—
1999-96	WA420–1, WA450–1	8D	1000	{15}	T4-8D	T4-4D
1999-96	WA420–3, WA450–1	4D	1000	{15}	T4-4D	—
1999-96	WA450–3	4D	1000	{15}	T4-4D	—
1999-96	WA470–1, WA500–1	8D	1000	{15}	T4-8D	T4-4D
1999-96	WA600–1, WA800–1	8D	1000	{15}	T4-8D	T4-4D
	180–1, 180–3, D21S–6	31T	750	{15}	T4-31	T4-31+
	D155S–1, D75S–5	8D	1000	{15}	T4-8D	T4-4D
	D31S–18, D41S–3	31T	750	{15}	T4-31	T4-31+
	D53S–17, D57S–1	31T	750	{15}	T4-31	T4-31+
	D66S–1, WA120–1	31T	750	{15}	T4-31	T4-31+
	WA120–1, WA130–2	31T	1000	{15}	T4-31+	—
	WA120–3, WA20–1	31T	750	{15}	T4-31	T4-31+
	WA180–1, WA180–3	31T	1000	{15}	T4-31+	—
	WA30–2, WA40–1	31T	750	{15}	T4-31	T4-31+
	WA70–1	31T	750	{15}	T4-31	T4-31+
Avance Plus						
2004-02	WA120L – 3	4D	1000		T4-4D	—
2004-02	WA180 – 3	4D	1000		T4-4D	—
2004-02	WA180PT – 3	4D	1000		T4-4D	—
2004-02	WA320 – 3, WA500 – 3	4D	1000		T4-4D	—
2004-02	WA600 – 3	4D	1000		T4-4D	—
Motor Graders						
2004-02	GD555 – 3 LaTerra	31T	750	{15}	T4-31	T4-31+
Motor Graders - Galion						
2004-02	830, 850, 870	31T	950		T4-31+	T6-31
Scrapers						
1999-96	S23–2, WS23S–2	31T	750	{18}	T4-31	T4-31+
Shovels						
2004-02	PC1100 – 6LS	31T	950		T4-31+	T6-31
Wheeled Excavators						
2004-02	PW170ES – 6	4D	1000		T4-4D	—
2004-02	PW200 – 7, PW220 – 7	4D	1000		T4-4D	—
KUBOTA TRACTOR CORP.						
Additional equipment listed in the Farm Equipment section.						
Backhoe Loaders						
1999-96	161–2, KX121–2	29H	750		T4-31P	T4-31P+
1999-96	KX61–2	24	585		S4-24	S5507B
Excavators						
2008-05	KX41 – 3	35	NA		—	—
1999-96	KH18, KH28, KH90	30H	525		T4-31P	T4-31P+
LANDMASTER						
Commercial Turf Utility Vehicles						
2016-15	LM200 RUNABOUT LUTV	BTX7A-B5	-	{80}	—	—
2016	LANDMASTER 202	BTX7A-B5	-	{80}	—	—
LAVOR PRO						
Scrubber						
	BSW 700 ET – 12–volt	24	NR		—	—
	BSW 900 ET – 12–volt	NA	NR		—	—
	Comfort XS–R 75 Essential 24–volt	DIN	NR	{135,173}	—	—
	Comfort XS–R 75 Up 24–volt	DIN	NR	{135,173}	—	—
	Comfort XXS – 24–volt	DIN	NR	{135,173}	—	—
	Easy–R – 24–volt	DIN	NR	{15,135}	—	—
	MIDI–R 75BT – 24–volt	DIN	NR	{135,173}	—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL LAVOR PRO — LETOURNEAU-WESTINGHOUSE

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
LAVOR PRO (Continued)						
Scrubber (Continued)						
	NEXT EVO – 24–volt	DIN	NR	{15,135}	—	—
	QUICK 36B – 12–volt	24	NR		—	—
	QUICK 36E – 12–volt	24	NR		—	—
	SCL Comfort XS 75 24–volt	902	NR	{173}	—	—
	SCL Compact Free 45B 12–volt	27	NR		—	—
Sweeper						
	SWL 700 ET – 12–volt	DIN	NR		—	—
	SWL 900 ET – 12–volt	DIN	NR		—	—
	SWL R 1000 ET – 24–volt	DIN	NR	{15,135}	—	—
	SWL R 850 ET – 12–volt	DIN	NR		—	—
LE ROI DIVISION						
DRESSER INDUSTRIES, INC.						
Compressors						
1994-78	D185DJE, D185DPE	31T	625		T4-31	T4-31+
1994-78	Q185GE, Q186DCE	31T	625		T4-31	T4-31+
1994-78	Q186DDE	31T	625		T4-31	T4-31+
1993-92	EQ850DDC, HQ750DDC	31T	950	{15}	T4-31+	T6-31
1993-92	Q1000DDC, XQ850DDC	31T	950	{15}	T4-31+	T6-31
1993-90	Q105DTE, Q125DJE	27	650		S4-27	S5515B
1993-90	Q125DTE, Q175DJE	27	650		S4-27	S5515B
1993-87	D185DJE – Optional	27	650		S4-27	S5515B
1993-87	D185DPE – Optional	27	650		S4-27	S5515B
1993-87	Q185GE – Optional	27	650		S4-27	S5515B
1993-87	Q185GFE – Optional	27	650		S4-27	S5515B
1993-87	Q186DCE – Optional	27	650		S4-27	S5515B
1993-87	Q250DPE, Q375DCE	27	650	{147}	S4-27	S5515B
1993-87	Q750DCC, Q825DKC	31T	800	{15}	T4-31+	T6-31
1993-87	Q75DPC	27	650	{147}	S4-27	S5515B
1993-85	HQ1300DCC, Q1200DCC	31T	950	{15}	T4-31+	T6-31
1993-85	Q1600DCC	31T	950	{15}	T4-31+	T6-31
1991-90	Q125GFE, Q125GHE	24	525		S3-24	S4-24
1991-87	Q100GE, Q105GHE	24	475		S3-24	S4-24
1991-87	Q125DE, Q125DPE	24	475		S3-24	S4-24
1991-87	Q125GE	24	475		S3-24	S4-24
1987-83	Q250DPE	31T	625		T4-31	T4-31+
1987-78	A125DE, Q100GE	31T	625		T4-31	T4-31+
1987-78	Q125D, Q125GE, Q160D	31T	625		T4-31	T4-31+
1987-78	Q260D, Q300D, Q300DE	31T	625	{147}	T4-31	T4-31+
1987-78	Q375D, Q375DCE	31T	625	{147}	T4-31	T4-31+
1987-78	Q375DE	31T	625	{147}	T4-31	T4-31+
1987-78	Q600DC, Q750D	31T	625	{148}	T4-31	T4-31+
1987-78	Q750DC, Q75DPC	31T	625	{148}	T4-31	T4-31+
1987-78	Q85DE	31T	625		T4-31	T4-31+
1987-78	Q900D, Q900DC	31T	625	{148}	T4-31	T4-31+
1985-75	Q1500, Q1500DC	8D	900	{15}	T4-8D	T4-4D
1983-81	Q185D, Q185DE	24F	525		S3-24F	S4-24F
1983-78	Q125G, Q160G, Q175DE	22F	400		S3514B	S3560B
1983-78	Q175G, Q185G, Q185GE	22F	400		S3514B	S3560B
1982-78	Q100GE, Q85G	22F	400		S3514B	S3560B
1980-58	Q1050SD1, Q1200RD2	8D	900	{15}	T4-8D	T4-4D
1980-58	Q1200SD1	8D	900	{15}	T4-8D	T4-4D
1979-72	750SD, Q750	8D	900	{15}	T4-8D	T4-4D
1978-60	125RD1, 85RD1, Q85DG	30H	545		T4-31P	T4-31P+
1978-60	Q85G	30H	545		T4-31P	T4-31P+
1978-58	600RD2 – Optional	2E	525	{15}	—	—
1978-58	600RD2, 600SD1	8D	900		T4-8D	T4-4D
1978-58	600SD1 – Optional	2E	525	{15}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
LE ROI DIVISION (Continued)						
Compressors (Continued)						
1978-58	600SDL, Q600 – Optional	2E	525	{15}	—	—
		8D	900		T4-8D	T4-4D
1977-66	260SD, 365SD1	4D	640		T4-4D	—
1977-66	450RD2, 900SD1	4D	640		T4-4D	—
1977-64	150RD1, 150RD2	30H	545		T4-31P	T4-31P+
1977-64	160RD1, 175, 300	30H	545		T4-31P	T4-31P+
1977-60	125RG1A, 125RG1B	3EE	375		S4535B{31}	—
1977-60	125RG2, 125U	3EE	375		S4535B{31}	—
1977-60	130RG1B, 150	3EE	375		S4535B{31}	—
1977-60	160–RG1	3EE	375		S4535B{31}	—
1977-58	125RG1, 125RG2	24	300		S3-24	S4-24
1977-58	125TA, 85RG1	24	300		S3-24	S4-24
1975-72	75RG1	22NF	280		S4536B	S5-51R
1975-59	100RG1, 125G1–E	3EE	315		S4535B{31}	—
1975-59	75RG1, 85G1–E, 85RG1	3EE	315		S4535B{31}	—
1974-70	170RG2	3EE	305		S4535B{31}	—
1967-63	250RD2, 250RG2	NA	525	{155}	—	—
1967-58	365D2, 365RD2	2E	525	{15}	—	—
1967-58	6001D2–C	2E	525	{15}	—	—
1967-47	150RG2, 160D2, 160G2	1	540	{15}	—	—
1967-47	210D2, 210G2	1	540	{15}	—	—
LETOURNEAU INC.						
Container Handlers						
1998-76	SST100, ST100	31T	475	{173}	T4-31	T4-31+
1994-77	2582CH, 2682CH	4D	650	{15}	T4-4D	—
Haul Trucks						
1995-85	33–15DG, T–2240	8D	900	{148}	T4-8D	T4-4D
1995-85	Titan 33–15C	8D	900	{148}	T4-8D	T4-4D
1995-85	Titan T–2000	8D	900	{148}	T4-8D	T4-4D
Industrial Equipment						
1967-56	All	1	525	{174}	—	—
Log Stackers						
2008-02	3592SL, 4592, 5092	4D	650	{15}	T4-4D	—
2008-02	5094, 5592, 5594	4D	650	{15}	T4-4D	—
2008-02	6592, 6594	4D	650	{15}	T4-4D	—
2007-66	2594, 2594SS, 2694	4D	650	{15}	T4-4D	—
2007-66	2694SS, 2794, 4594	4D	650	{15}	T4-4D	—
Wheel Dozers						
1988-78	D–800	4D	650	{173}	T4-4D	—
Wheel Loaders						
2008-06	L–950	4D	650	{148}	T4-4D	—
2008-02	L–1350, L–2350	8D	900	{148}	T4-8D	T4-4D
2008-02	L–1850	8D	900	{15}	T4-8D	T4-4D
2007-76	L–1100	4D	650	{148}	T4-4D	—
2004-78	L–1400	8D	900	{173}	T4-8D	T4-4D
2004-02	L–1800	8D	900	{148}	T4-8D	T4-4D
1998-78	L–1200, L–1800	8D	900	{173}	T4-8D	T4-4D
1997-76	L–1000, L–1000B	4D	650	{148}	T4-4D	—
1997-76	L–600, L–800	4D	650	{148}	T4-4D	—
LETOURNEAU-WESTINGHOUSE						
See also WESTINGHOUSE AIR BRAKE						
Coal Haulers						
1967-63	CFA–11, CFA–12	30H	500		T4-31P	T4-31P+
1967-63	CFA–2	30H	500		T4-31P	T4-31P+
1964-59	CFA4, LW–90	60	325		S3-24{29}	S3-24F{29}
Dump Trucks						
1967-60	CFA–3, CFA–5, CFF–3	8D	950	{147}	T4-8D	T4-4D
1967-60	LW–22, LW–27, LW–32	8D	950	{147}	T4-8D	T4-4D

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LETOURNEAU-WESTINGHOUSE — LINCOLN ELECTRIC CO.

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		O.E. CCA BC @ NO. 0°F			Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
LETOURNEAU-WESTINGHOUSE (Continued)						
Dump Trucks (Continued)						
1967	CFA10	8D	950	{147}	T4-8D	T4-4D
1966-63	BFA-3, BFL-3, CFA-10	30H	500		T4-31P	T4-31P+
1966-63	CFA-5	30H	500		T4-31P	T4-31P+
1965-63	CFA-8 – All w/Air start	30H	500		T4-31P	T4-31P+
1965-63	CFA-8 – w/Electro-start	8D	950	{15}	T4-8D	T4-4D
1965-63	CFA-9 – All w/Air start	30H	500		T4-31P	T4-31P+
1965-63	CFA-9 – w/Electro-start	8D	950	{15}	T4-8D	T4-4D
1962-60	LW-60	60	325		S3-24{29}	S3-24F{29}
Motor Graders						
1971-63	All other	4	800	{148}	—	—
1968-63	666T – Cummins Diesel	7D	900	{15}	—	—
Push Pack C500						
1967-63	All	8D	950	{147}	T4-8D	T4-4D
Speedpulls & Tournapulls						
1967-47	All – Optional	1	550	{173}	—	—
		8D	950	{147}	T4-8D	T4-4D
Tournatractors						
1967-53	C, CW	1	550	{174}	—	—
LIEBHERR-AMERICA, INC.						
Crawler Cranes						
2004-03	HS83	4D	1000		T4-4D	—
2004-02	11200, 1130, 1160	4D	1000		T4-4D	—
2004-02	1200, 1280, 1350/1	4D	1000		T4-4D	—
2004-02	1400/2, 1400/2 – W	4D	1000		T4-4D	—
2004-02	1750, 1800, 843, 855	4D	1000		T4-4D	—
2004-02	873, 885, 895, HS833	4D	1000		T4-4D	—
2004-02	LR1100	4D	1000		T4-4D	—
Crawler Excavators						
2004-02	R 984 C	4D	1000		T4-4D	—
Litronic						
2004-03	R 900 C, R 904 C	4D	1000		T4-4D	—
2004-03	R 914 B, R 924 B	4D	1000		T4-4D	—
2004-03	R 934 B, R 944 B	4D	1000		T4-4D	—
2004-02	R 954 B, R 964 B	4D	1000		T4-4D	—
2004-02	R 974 B, R 994	4D	1000		T4-4D	—
2004-02	R 994 B, R 995	4D	1000		T4-4D	—
2004-02	R 996	4D	1000		T4-4D	—
Excavators						
1983-77	991, A/R 902	4D	840	{15}	T4-4D	—
1983-77	A/R 912, A/R 922	4D	840	{15}	T4-4D	—
1983-77	A/R 932, A/R 942	4D	840	{15}	T4-4D	—
1983-77	R982	4D	840	{15}	T4-4D	—
Mining Trucks						
2004-03	T 252, T 262	4D	1000		T4-4D	—
2004-03	T 282 B	4D	1000		T4-4D	—
Mobile Cranes						
2008-02	1045 – 3.1	4D	1000		T4-4D	—
2008-02	1055 – 3.1, 1060 / 2	4D	1000		T4-4D	—
2008-02	1070 – 4.1	4D	1000		T4-4D	—
2008-02	1090 – 4.1	4D	1000		T4-4D	—
2008-02	1100 – 4.1	4D	1000		T4-4D	—
2008-02	1100 – 5.1, 115-0	4D	1000		T4-4D	—
2008-02	1750, 1800	4D	1000		T4-4D	—
2004-02	115-0 – 5.1	4D	1000		T4-4D	—
2004-02	1220 – 5.1	4D	1000		T4-4D	—
2004-02	1250 – 6.1	4D	1000		T4-4D	—
2004-02	1300 – 6.1	4D	1000		T4-4D	—
2004-02	1400 – 7.1	4D	1000		T4-4D	—
2004-02	1500 – 8.1, LG 1550	4D	1000		T4-4D	—

		O.E. CCA BCI @ NO. 0°F		Notes	Replacement Options	
YEAR	DESCRIPTION				Option 1	Option 2
LIEBHERR-AMERICA, INC. (Continued)						
Mobile Cranes (Continued)						
2004-02	LTC 1055 – 3.1	4D	1000		T4-4D	—
2004-02	LTM 1030 – 2.1	4D	1000		T4-4D	—
2004-02	MK100, MK80	4D	1000		T4-4D	—
Wheeled Excavators						
2004-02	A 900 ZW	4D	1000		T4-4D	—
Litronic						
2008-02	A 309, A 311, A 312	4D	1000		T4-4D	—
2008-02	A 314, A 316	4D	1000		T4-4D	—
2008-02	A 900 C	4D	1000		T4-4D	—
2004-02	A 904 C, A 914 B	4D	1000		T4-4D	—
2004-02	A 924 B, A 934 B	4D	1000		T4-4D	—
2004-02	A 944 B HD	4D	1000		T4-4D	—
2004-02	A 954 B HD, A 974 B	4D	1000		T4-4D	—
2004-02	R 317	4D	1000		T4-4D	—
LIFT-A-LOFT CORP						
Scissor Lifts						
	MPBC –16 SPL – 36–volt	GC2	NR	{178}	—	—
	MSP – Series – 36–volt	NA	NR		—	—
	SPN16 – 24–volt	901	NR	{173}	—	—
	SPN16–10 – 24–volt	901	NR	{173}	—	—
	SPN20 – 24–volt	901	NR	{173}	—	—
	SPN20–7.5 – 24–volt	901	NR	{173}	—	—
	SPW19 – 24–volt	901	NR	{173}	—	—
	SPW19–15 – 24–volt	901	NR	{173}	—	—
	SPW24 – 24–volt	901	NR	{173}	—	—
	SPW24–7.5 – 24–volt	901	NR	{173}	—	—
	SPX – Series – 36–volt	NA	NR		—	—
Service Platform						
	MWS16 – 24–volt	901	NR	{173}	—	—
Vertical Mast Lifts						
24	AMV36–20 – 24–volt	901	NR	{173}	—	—
	AMV36–20 – Otional 24–volt	902	NR	{173}	—	—
		903	NR	{173}	—	—
	AMV36–24 – 24–volt	901	NR	{173}	—	—
Vertical Personal Lifts						
	AMR 40–18 – 48–volt	902	NR	{320}	—	—
	AMR 40–20 – 48–volt	902	NR	{320}	—	—
	AMR 40–22 – 48–volt	902	NR	{320}	—	—
	MCL – Series – 24–volt	NA	NR		—	—
	NLI – 12–volt	GC2	NR	{147}	—	—
	RAL – Series – 24–volt	NA	NR		—	—
	VAL – Series – 24–volt	NA	NR		—	—
LINCOLN ELECTRIC CO.						
Electric Arc Welders						
1995-62	AC/DC, AC150	U1	220	{147}	—	—
1995-62	DC–225/3AS	U1	220	{147}	—	—
1995-62	Weldmanpower 150	U1	220	{147}	—	—
1993-87	B & S G7, G9 Pro	U1	235		—	—
1993-87	Onan G7	U1	235		—	—
1993-86	250 AC/DC	24	600		S4-24	S5507B
1993-86	Weldmanpower 225 AC/210 DC	24	600		S4-24	S5507B
1993-83	Deutz 350 Amp – Diesel	24	600		S4-24	S5507B
1993-83	Perkins 3.09 D10	24	600		S4-24	S5507B
1993-83	Pro	24	600		S4-24	S5507B
1993-80	SAE–400	24	600	{147}	S4-24	S5507B
1993-76	SA–250	24	650		S5521B	S5564B
1993-70	SAM–400 – Optional	4	655		—	—

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INDUSTRIAL LINCOLN ELECTRIC CO. — LISTER PETTER, INC.

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YEAR	DESCRIPTION	O.E. CCA	Notes	Replacement Options	
		BCI NO.		@ 0°F	Option 1
LINCOLN ELECTRIC CO. (Continued)					
Electric Arc Welders (Continued)					
1993-70	SAM-600	4	655		—
1993-52	SA-200 – Optional	2	630	{15}	—
1993-52	SA-200, SAE-300	24	340		S3-24
1993-52	SAE-300 – Optional	2	630	{15}	—
1993-52	SAE-400 – Optional	2	630	{15}	—
1993-52	SAE-400, SAF-300	24	340		S3-24
1993-52	SAF-300 – Optional	2	630	{15}	—
1989-64	SAM-400	24	280		S3-24
1985-80	SAE-400 – Optional	30H	380		T4-31P
1985-80	SAM-400 – Optional	30H	380		T4-31P
1984-81	SAE-300, SAE-350	30H	380		T4-31P
1980-62	AC-225/5AS	53	280		S4535B
1975-66	SAE-600	29NF	300		—
1965-61	SAE-600	32N	335		S4536B(29)
Ranger					
1995-80	8, 9	U1	235		—
Welder/Generator					
2008-02	250, 3 Phase, 305G	58	435		S3543B
2004-03	SAE – 400	58	550		S3543B
2004-03	SAE – 400 Severe Duty	58	550		S3543B
Ranger					
2008-02	10,000, GTX	58	435		S3543B
2004-02	305D	58	550		S3543B
2004-02	305G	58	435		S3543B
LINDE LULL CORP.					
Diesel/LPG Forklifts					
2008-02	H100, H16, H18, H20	31T	950		T4-31+
2008-02	H20/600CD, H20/600CT	31T	950		T4-31+
2008-02	H25CT/60D, H460	31T	950		T6-31
2008-02	H80/900	31T	950		T4-31+
2002	H25D03, H30D03, H45D	31T	950		T4-31+
LIPPMANN-MILWAUKEE, INC.					
Crushing Equipment					
2004-02	LLD140, LLD190	4D	640		T4-4D
2004-02	LLD200, LLD250	4D	640		T4-4D
2004-02	LLD275, LLD35	4D	640		T4-4D
2004-02	LLD400, LLD410	4D	640		T4-4D
2004-02	LLD95, LLG140N	4D	640		T4-4D
2004-02	LLG140P, LLG185N	4D	640		T4-4D
2004-02	LLG185P, LLG80N	4D	640		T4-4D
2004-02	LLG80P, LXD280	4D	640		T4-4D
All Portable Equipment					
2004-02	HSL13, HSL15, HSL19	4D	640		T4-4D
2004-02	HSL24, HSL26, HSL6	4D	640		T4-4D
2004-02	HSL8, LJD1240	4D	640		T4-4D
2004-02	LJD1430, LJD1925	4D	640		T4-4D
2004-02	LJD460, LJD760	4D	640		T4-4D
2004-02	LJD915, LL	4D	640		T4-4D
1990-87	24-Volt – Diesel	8D	1100	{15}	T4-8D
1987-78	12-cyl., 16-cyl.	4D	640	{173}	T4-4D
1987-78	Thru 8-cyl.	4D	640	{173}	T4-4D
LISTER PETTER, INC.					
Formerly LISTER DIESEL, INC. & WITTE ENGINES CORPORATION					
Generator Sets					
2008-02	LJD1240, LJD1430	4D	1000		T4-4D
2008-02	LJD1925, LJD460	4D	1000		T4-4D
2008-02	LJD760, LJD915	4D	1000		T4-4D

YEAR	DESCRIPTION	O.E. CCA	Notes	Replacement Options	
		BCI NO.		@ 0°F	Option 1
LISTER PETTER, INC. (Continued)					
Generator Sets (Continued)					
2008-02	LLD410, LLG140N	4D	1000		T4-4D
2008-02	LLG140P, LLG185N	4D	1000		T4-4D
2008-02	LLG185P, LLG80	4D	1000		T4-4D
2007-02	LLG 80 N, LLG 80 P	4D	1000		T4-4D
Natural Gas Power Plants					
1991-82	HR2G	27	360		S4-27
1991-82	HR2G – Optional	30H	490		T4-31P
1991-80	HR3G	30H	490		T4-31P
1991-80	HR3G – Optional	4D	635		T4-4D
Power Units and Generator Plants					
1967-65	Heavy-Duty	4D	790		T4-4D
1967-65	Standard	24	340		S3-24
1964-54	100, 120	2B	455		T4-8D(26)
Stationary & Portable Power Plants					
1999-94	CD4, CDT4	NA	735		—
1999-94	CD6, CDT6	NA	950		—
1999-88	LPW 2/3/4	24F	700		S5508B
1999-88	LPW 2/3/4 – Optional	27	550		S4-27
1999-88	LPWS 2/3/4	24F	700		S5508B
1999-88	LPWS 2/3/4 – Optional	27	550		S4-27
1999-86	CRK3	30H	570		T4-31P
1999-86	CRK3 – Optional	4D	635		T4-4D
1999-85	TR1	24F	550		S3-24F
1999-85	TS1	24F	650		S4-24F
1999-83	TR2/3, TS2/3 – Optional	27	700	{49}	S4-27
1999-83	TR2/3, TS2/3, TX2/3	24F	850	{49}	—
1999-83	TX2/3 – Optional	27	700	{49}	S4-27
1999-75	AA1, AC1 – Optional	27	360		S4-27
1999-75	AA1, AC1, AD1, AD2	24F	280		S3-24F
1999-75	AC2, AD1 – Optional	27	360		S4-27
1999-75	AD2, LPA – Optional	27	360		S4-27
1999-75	LPA, LPW, LPWS2/3/4	24F	280		S3-24F
1999-75	LPW – Optional	27	360		S4-27
1999-75	LPWS2/3/4 – Optional	27	360		S4-27
1999-75	LT1, LT2 – Optional	27	360		S4-27
1999-75	LT1, LT2, LV1, LV2	24F	280		S3-24F
1999-75	LV1, LV2 – Optional	27	360		S4-27
1999-75	P600/1/2/3, PH1/2	24F	280		S3-24F
1999-75	P600/1/2/3 – Optional	27	360		S4-27
1999-75	PH1/2 – Optional	27	360		S4-27
1999-75	PH1/2W	24F	280		S3-24F
1999-75	PH1/2W – Optional	27	360		S4-27
1998-88	LPA 2/3	24F	650		S4-24F
1998-88	LPA 2/3 – Optional	27	550		S4-27
1997-72	ST1, ST2 – Optional	27	360		S4-27
1997-72	ST1, ST2, ST3, TL2/3	24F	280		S3-24F
1997-72	ST3, TL2/3 – Optional	27	360		S4-27
1997-72	TR1/2/3	24F	280		S3-24F
1997-72	TR1/2/3 – Optional	27	360		S4-27
1995-86	CR3, CRK3, HL3, HR3	30H	490		T4-31P
1995-86	CR3, HL3 – Optional	4D	635		T4-4D
1995-86	HR3 – Optional	4D	635		T4-4D
1993-68	CS4, CS6, CST6, HL4	4D	635	{147}	T4-4D
1993-68	HL6, HLT6, HR4, HR6	4D	635	{147}	T4-4D
1993-68	HS6	4D	635	{147}	T4-4D
1991-68	HR2	27	360		S4-27
1991-68	HR2 – Optional	30H	490		T4-31P
		4D	635		T4-4D
1987-70	JA6, JAS6	6D	750	{147}	T4-4D

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LISTER PETTER, INC. — LULL CORPORATION

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
LISTER PETTER, INC. (Continued)						
Stationary & Portable Power Plants (Continued)						
1986-75	PJ3/4	27	360		S4-27	S5515B
1986-75	PJ3/4 – Optional	30H	490		T4-31P	T4-31P+
LITTLE GIANT CRANE & SHOVEL, INC.						
Cranes, Shovels, Backhoes						
2008-02	64 Carrier Mounted SPR48	8D	1400		T4-8D	—
2008-02	64 Crawler – SPR64	8D	1400		T4-8D	—
2008-02	6430	8D	1400		T4-8D	—
2007-02	64 Trakrane – 48 – 67R	8D	1400		T4-8D	—
1993-85	64 Carrier – Carrier	8D	1170		T4-8D	—
1993-85	7.5MT	8D	1170		T4-8D	—
1993-76	64, Tele Max 90	4D	805		T4-4D	—
1993-68	10, 34TX, 34TXR, 8	4D	805		T4-4D	—
1993-68	Combo 48 (Bull of the Woods)	4D	805		T4-4D	—
1993-66	18TRT, 32, 32R, C–32	4D	805		T4-4D	—
1993-66	C–64, SP–32	4D	805		T4-4D	—
1993-65	16 (Bullet), 48R – GM	4D	805		T4-4D	—
1993-65	C–48, SP–48 – GM	4D	805		T4-4D	—
1990-75	Ford	30H	380		T4-31P	T4-31P+
1990-60	32, 48, Combo 12, L	30H	380		T4-31P	T4-31P+
Crane Carrier						
1993-65	32, 48 – Optional	8D	1170		T4-8D	—
Workcrane						
1993-65	SPR–48, SPR–64	8D	1170		T4-8D	—
Early Models						
1971-46	All	30H	380		T4-31P	T4-31P+
Generator Sets						
2004	LJD1240	4D	1000		T4-4D	—
LITTLEFORD BROS.						
Asphalt Plants & Brooms						
1967-56	All	24	525		S3-24	S4-24
Compactors						
1965-63	SE–50	8D	950		T4-8D	T4-4D
Patchers and Vibrators						
1967-54	700, D–54V	24	525		S3-24	S4-24
Pavers and Rollers						
1967-58	125, 125V	22F	220		S3514B	S3560B
1967-58	160	1	525		—	—
1967-58	308A, BPF	24	525		S3-24	S4-24
1967-58	All – Optional	27	375		S4-27	S5515B
LOG HOG MANUFACTURING, INC.						
Formerly DUNHAM MFG. CO., INC.						
Knuckle Boom Log Loaders						
1992-77	All	4DLT	760		T4-4DLT	T4-4D{30}
Skidding Tractors						
1989-77	546, 660, 760	4DLT	760		T4-4DLT	T4-4D{30}
1989-77	760 – 4WD	4DLT	760		T4-4DLT	T4-4D{30}
1989-77	XTR50, XTR60, XTR70	4DLT	760		T4-4DLT	T4-4D{30}
1979-75	531	30H	545		T4-31P	T4-31P+
1979-66	440, 441, 500, 501	4DLT	760		T4-4DLT	T4-4D{30}
1979-66	515	4DLT	760		T4-4DLT	T4-4D{30}
1977-74	PH–97	24	280	{15}	S3-24	S4-24
1977-74	PS–130, S–130D	4D	635	{147}	T4-4D	—
1977-74	S–97D	4D	635	{147}	T4-4D	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
LONG MFG. N.C., INC.						
Crawler Tractors						
1997-91	2260, 2310, 2360	30H	650		T4-31P	T4-31P+
1997-91	2460, 2510, 2610	30H	650		T4-31P	T4-31P+
1986-79	All 460, All 510	30H	510		T4-31P	T4-31P+
1986-79	All 610	30H	510		T4-31P	T4-31P+
LONGYEAR CO.						
Drills & Pumps						
1986-80	Hydra–Core 28	24	450		S3-24	S4-24
1986-62	24, 320, 335, 520	30H	520		T4-31P	T4-31P+
1986-62	34	27	450		S4-27	S5515B
1986-62	38, 44, HC–150	4D	850		T4-4D	—
1986-62	535, 835	30H	520		T4-31P	T4-31P+
1986-62	Hydro 44	4D	850		T4-4D	—
LULL CORPORATION						
10 Ton Pipe & Log Loader						
1996-91	2044B – Diesel	31T	925	{15}	T4-31+	T6-31
1990-72	2044 – Diesel	8D	1000		T4-8D	T4-4D
1990	4–71 – Diesel	8D	1000		T4-8D	T4-4D
1989	4–71 – Diesel	8D	1000		T4-8D	T4-4D
1988-72	4–71 – Diesel	8D	1000		T4-8D	T4-4D
1975-66	Chrysler	4D	700		T4-4D	—
15 Ton Pipe Handler						
1996-95	644B, 844C	31T	625	{147}	T4-31	T4-31+
1996-89	3044 – Diesel	31T	925	{15}	T4-31+	T6-31
DynaLugger Pole Handling Unit						
1981-76	4–71	8D	900		T4-8D	T4-4D
1975-64	Chrysler	4D	700		T4-4D	—
1975	4–71	8D	900		T4-8D	T4-4D
Early Models						
1967-64	All	60	235		S3-24{29}	S3-24F{29}
High Lift Fork Loaders						
1994-86	522 – Diesel	31T	925	{165}	T4-31+	T6-31
1993-92	1522 – Diesel, Turbo	31T	925		T4-31+	T6-31
1993-92	622B, 644 – Diesel	31T	925		T4-31+	T6-31
1993-89	824B – Diesel, Turbo	31T	925	{147}	T4-31+	T6-31
1993-89	844B – Diesel, Turbo	31T	925	{147}	T4-31+	T6-31
1992-91	Falcon 600	31T	925	{147}	T4-31+	T6-31
1992-85	1044B – Diesel, Turbo	4	940	{15}	—	—
1992-85	644 – Diesel, Turbo	4	940	{15}	—	—
1992-85	824 – Diesel, Turbo	4	940	{15}	—	—
1992-85	824B – Diesel, Turbo	4	940	{15}	—	—
1991-86	522, 544, 622 – Diesel	4	940	{15,172}	—	—
1991-86	622B – Diesel	4	940	{15,172}	—	—
1991-75	1044 – Diesel, Turbo	4	940	{15}	—	—
1991-75	1522 – Diesel, Turbo	4	940	{15}	—	—
1991-75	844 – Diesel, Turbo	4	940	{15}	—	—
1988-79	544, 622, 644 – Diesel	2	590	{15}	—	—
1987-84	844 – Diesel	2	590	{15}	—	—
1983-81	2094	8D	1000		T4-8D	T4-4D
1983-80	422 – Diesel	2	590	{15}	—	—
1983-80	422 – Gas	60	370		S3-24{29}	S3-24F{29}
1983-64	400, 4D3, 4D4, 4D4B	60	370		S3-24{29}	S3-24F{29}
1983-64	7C1, 7C2	60	370		S3-24{29}	S3-24F{29}
1981-76	544, 644, 844 – Gas	24	355		S3-24	S4-24
1971-65	Loader – 4WD	4D	700		T4-4D	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

M-R-S MANUFACTURING — MANITOWOC CRANES, INC.

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
M-R-S MANUFACTURING						
Additional equipment listed in the Farm Equipment section.						
Industrial Tractors						
1980-72	I-100S, I-105S	8D	845	{147}	T4-8D	T4-4D
1980-72	I-110S, I-90S, I-95S	8D	845	{147}	T4-8D	T4-4D
1980-65	I-115S, I-120	8D	845	{147}	T4-8D	T4-4D
1980-59	250	24	500	{15,168}	S3-24	S4-24
1970-64	I-80S, I-80T	30H	580	{15}	T4-31P	T4-31P+
1967-63	200 – Cummins Diesel	24	500		S3-24	S4-24
1967-63	A-100, A-105, A-80	30H	580	{147}	T4-31P	T4-31P+
1967-63	A-80B, A-80CS, A-90	30H	580	{147}	T4-31P	T4-31P+
1967-63	A-90B	30H	580	{147}	T4-31P	T4-31P+
1967-63	I-100, I-105, I-110	30H	580	{173}	T4-31P	T4-31P+
1967-63	I-90	30H	580	{173}	T4-31P	T4-31P+
1967-52	125, 150, 150C, 190	8D	950	{147}	T4-8D	T4-4D
1962-61	A-100, A-105, A-90	6TL	600		—	—
1962-61	A-95, I-100, I-105	6TL	600		—	—
1962-61	I-110, I-90	6TL	600		—	—
1959-56	250 – Electric Start	9D	1200	{175}	—	—
1959-54	200 – Cummins Diesel	8D	950	{15}	T4-8D	T4-4D
1958-56	250	8D	950	{168}	T4-8D	T4-4D
1953-52	72	3	645		—	—
1952	125, 150	7D	850	{15}	—	—
MAC DON INDUSTRIES LTD.						
Windrowers						
2007-02	9250, 9352I	27	620		S4-27	S5515B
Pull Type						
2007-05	3020	27	620		S4-27	S5515B
MACHINERY DISTRIBUTION, INC.						
MITSUBISHI HEAVY INDUSTRIES						
Excavators						
1987-81	8, MS120-2, MS180-3	4D	830	{15}	T4-4D	—
1987-81	MS1600, MS450-8	8D	980	{148}	T4-8D	T4-4D
1987-81	MS180LC-8, MS240LC-8	4D	830	{15}	T4-4D	—
1987-81	MS230LC-3, MS280-2	8D	980	{15}	T4-8D	T4-4D
1987-81	MS300LC-8, MS380-2	8D	980	{15}	T4-8D	T4-4D
1987-81	MS580	8D	980	{148}	T4-8D	T4-4D
Forklift						
	20, 25, 30, 35, 50	24	500	{147}	S3-24	S4-24
	500	24	500	{147}	S3-24	S4-24
Motor Graders & Wheel Loaders						
1987-85	WS200A	27	340		S4-27	S5515B
1987-81	WS400, WS500	45	300	{15}	S3-45	S4535B
1987-80	MG100, MG150	30H	360	{15}	T4-31P	T4-31P+
1987-79	MG300, MG400, MG500	4D	550	{15}	T4-4D	—
MAN & MATERIAL LIFT ENGINEERING						
Boom Lift						
	A30JEX, A34EX – 48-volt	903	NR	{320}	—	—
Manlift						
	1872CR – 24-volt	901	NR	{173}	—	—
Mast Manlifts						
	MVL12EX – 24-volt	901	NR	{173}	—	—
	MVL16EX – 24-volt	901	NR	{173}	—	—
	MVLJ32EX – 24-volt	901	NR	{173}	—	—
	VM36EX-DC – 24-volt	GC2	NR	{173}	—	—
Scissor Lifts						
	1532EX – 24-volt	901	NR	{173}	—	—
	1932EX – 24-volt	901	NR	{173}	—	—
	2032EX – 24-volt	901	NR	{173}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
MAN & MATERIAL LIFT ENGINEERING (Continued)						
Scissor Lifts (Continued)						
	2046EX – 24–volt	901	NR	{173}	—	—
	2632EX – 24–volt	901	NR	{173}	—	—
	2646EX – 24–volt	901	NR	{173}	—	—
	2668EX – 24–volt	901	NR	{173}	—	—
	3188EX – 48–volt	903	NR	{320}	—	—
	3246EX – 24–volt	901	NR	{173}	—	—
	3268EX – 24–volt	901	NR	{173}	—	—
	4188EX – 48–volt	903	NR	{320}	—	—
	5092EX – 48–volt	903	NR	{320}	—	—
MANITOWOC CRANES, INC.						
Formerly MANITOWOC ENGINEERING CO. See also BAY CITY-MANITOWOC						
Lattice Boom Truck Cranes						
2008-02	2250T	8D	1400		T4-8D	—
2008	228 Wagon Crane	8D	1400		T4-8D	—
2007-02	777T	8D	1400		T4-8D	—
2007	227 Wagon Crane	8D	1400		T4-8D	—
2006	226 Wagon Crane	8D	1400		T4-8D	—
2005	225 Wagon Crane	8D	1400		T4-8D	—
2004	224 Wagon Crane	8D	1400		T4-8D	—
2003	223 Wagon Crane	8D	1400		T4-8D	—
2002	222 Wagon Crane	8D	1400		T4-8D	—
Crawler Cranes						
2008-02	10000, 1015, 111	8D	1400		T4-8D	—
2008-02	12000, 15000, 16000	8D	1400		T4-8D	—
2008-02	180, 18000, 21000	8D	1400		T4-8D	—
2008-02	222, 2250, 5000	8D	1400		T4-8D	—
2008-02	5500, 555, 777, 8000	8D	1400		T4-8D	—
2008-02	8500, 999	8D	1400		T4-8D	—
2007-06	11000	8D	1400		T4-8D	—
2000-95	2100, 2250, 777, 888	8D	1100	{15}	T4-8D	—
2000-95	888r	8D	1100	{15}	T4-8D	—
1995-92	M–1200R, M–250	8D	1100	{147}	T4-8D	—
1995-92	M–85W	8D	1100	{147}	T4-8D	—
1995-75	6000W, 6400W, 7000W	8D	1100	{15}	T4-8D	—
1995-75	All others	29NF	350	{15}	—	—
1995-75	Pilot House	8D	1100	{15}	T4-8D	—
1995-73	2900WC, 3000W, 3600	8D	1100	{15}	T4-8D	—
1995-73	3900	8D	1100	{15}	T4-8D	—
1995-62	3900W, 4000W, 4100W	8D	1100	{15}	T4-8D	—
1995-62	4600	8D	1100	{15}	T4-8D	—
1992-91	M–85W	31T	950	{148}	T4-31+	T6-31
1992-89	M–50W, M–65W – Optional	31T	950	{15}	T4-31+	T6-31
1992-89	M–80W, M–85W – Optional	31T	950	{15}	T4-31+	T6-31
1992-85	M–50W, M–65W, M–80W	8D	1100		T4-8D	—
1992-85	M–85W	8D	1100		T4-8D	—
1972-58	2000–B, 2300, 300–B	8D	935	{15}	T4-8D	T4-4D
1972-58	3000, 3000–A, 3100	8D	935	{15}	T4-8D	T4-4D
1972-58	3400, 3500, 3600	8D	935	{15}	T4-8D	T4-4D
1972-58	3900, 4000, 4100	8D	935	{15}	T4-8D	T4-4D
1972-52	1600 – Most other Eng	8D	935	{147}	T4-8D	T4-4D
1972-52	1600, 4500 – Cummins	2	545		—	—
1972-52	4500 – Most other Eng	8D	935	{147}	T4-8D	T4-4D
Hoist Cranes						
1995-67	290, 390, 560	8D	1100	{15}	T4-8D	—
1992-66	All – All w/Air start	29NF	350	{15}	—	—
Platform Ringer						
1995-67	36, 60	8D	1100	{15}	T4-8D	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL MANITOWOC CRANES, INC. — MAYVILLE ENGINEERING

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

		O.E. CCA BCI @ NO. 0°F			Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
MANITOWOC CRANES, INC. (Continued)						
Trucks Cranes/Carriers						
2000-92	777T, M250T	8D	1100	{15}	T4-8D	—
1992-64	2900T, 3900T	8D	1100	{15}	T4-8D	—
1991-85	M100T, M80W	8D	1100	{15}	T4-8D	—
1972-56	2800 – Cummins Diesel	2	545	{148}	—	—
1972-56	2800, 2900 – Other Engs	8D	935	{147}	T4-8D	T4-4D
1972-56	2900 – Cummins Diesel	2	545	{148}	—	—
MANLIFT						
SEE GROVE MANLIFT						
MARATHON LETOURNEAU CO.						
See Letourneau Co.						
Haul Trucks						
1991-85	33–15D, T–2000	8D	900	{148}	T4-8D	T4-4D
1991-85	T–2240, Titan 33–15C	8D	900	{148}	T4-8D	T4-4D
Log Stackers & Wheel Dozers						
1991-66	2594, 2594SS, 2694	4D	650	{148}	T4-4D	—
1991-66	2694SS, 2794, 5594	4D	650	{148}	T4-4D	—
1991-66	6594, D–800	4D	650	{148}	T4-4D	—
Wheel Loaders						
1991-82	L–1000, L–1000B	4D	650	{173}	T4-4D	—
1991-82	L–1100	4D	650	{173}	T4-4D	—
1991-78	L–1200, L–1400	8D	900	{173}	T4-8D	T4-4D
1988-76	L–600, L–800	4D	650	{148}	T4-4D	—
MARION						
Air Compressors						
1967-64	183M	24	375		S3-24	S4-24
Excavators & Power Shovels						
1967-62	65M–75M	8D	950	{147}	T4-8D	T4-4D
1967-60	43M – Cat D–318G Eng	1	525		—	—
1967-58	362 – Cat D–1300 Eng	2	525		—	—
1967-58	362 – All other Eng	8D	950	{147}	T4-8D	T4-4D
1967-58	372 – Cat D–1300 Eng	2	525		—	—
1967-58	372 – All other Eng	8D	950	{147}	T4-8D	T4-4D
1967-58	43M – All other Eng	8D	950	{147}	T4-8D	T4-4D
1965-52	83M – w/Buda – Cat. D–375 Eng	1	525		—	—
1965-52	All – Cat D–353 Eng	24	375		S3-24	S4-24
1965-52	All – Cummins V–12525 & VT–1200	7D	900	{175}	—	—
1965-52	All – Cat D337F & DD Twin 6–71 Eng	8D	950	{147}	T4-8D	T4-4D
1965-52	All – Other Cummins	8D	950	{15}	T4-8D	T4-4D
1959-58	43M – Cat D–318G Eng	2	525		—	—
1959-52	All – Buda 6DC–1879 & 6DCB–1742 Eng	2	525		—	—
MARKLIFT						
SEE TEREX CORP.						
MARLIFT (GROVE)						
Floor Machines						
	SM2129E – 24–volt	901	NR	{173}	—	—
	SM2134E – 24–volt	901	NR	{173}	—	—
	SM2634E – 24–volt	901	NR	{173}	—	—
	SM2658E – 24–volt	901	NR	{173}	—	—
	SM3158E – 24–volt	901	NR	{173}	—	—
	SM3270E – 24–volt	903	NR	{173}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
MASSEY-FERGUSON						
Additional equipment listed in the Farm Equipment section.						
Crawler Tractors						
1968-65	MF–2244	30H	545		T4-31P	T4-31P+
Industrial Wheel Tractors						
1982-76	MF–20C – Optional	30H	545		T4-31P	T4-31P+
1982-76	MF–20C, MF–30B	24	470		S3-24	S4-24
1982-76	MF–30B – Optional	30H	545		T4-31P	T4-31P+
1982-76	MF–40B – Optional	27	580		S4-27	S5515B
		30H	545		T4-31P	T4-31P+
1982-76	MF–50C – Optional	24	470	{15}	S3-24	S4-24
		4D	775		T4-4D	—
1981-78	MF–60	24	525	{15}	S3-24	S4-24
		24	545	{15}	S3-24	S4-24
Shovel Loaders						
1974-64	470 – Gas	30H	550		T4-31P	T4-31P+
1974-64	470 – Diesel	4D	775		T4-4D	—
1963-62	MF–365	30H	475		T4-31P	T4-31P+
1962	MF–365 – Gas, Optional	24	265		S3-24	S4-24
1961-59	1001	3EE	375		S4535B{31}	—
MASTER CONSOLIDATED CORP.						
Riding Trowels						
1985-74	RF2B4, RF3B3	U1	220		—	—
MAXON						
MARINE INDUSTRIES, INC.						
Concrete Spreaders						
1974-58	20–C – Ford Eng, Cont Eng	24	375		S3-24	S4-24
1974-58	20–C, 20–D – GM Eng	4D	790		T4-4D	—
1974-58	20–D – Ford Eng, Cont Eng	24	375		S3-24	S4-24
1974-58	20–S – Ford Eng, Cont Eng	24	375		S3-24	S4-24
1974-58	20–S, DS–1 – GM Eng	4D	790		T4-4D	—
1974-58	DS–1 – Ford Eng, Cont Eng	24	375		S3-24	S4-24
1974-58	DS–2 – Ford Eng, Cont Eng	24	375		S3-24	S4-24
1974-58	DS–2 – GM Eng	4D	790		T4-4D	—
MAYVILLE ENGINEERING						
Personal Lifts						
	Handy Herman – 12–volt	27	NR	{3}	—	—
Scissor Lifts						
	1532ES – 24–volt	GC2	NR	{173}	—	—
	1932ES – 24–volt	GC2	NR	{173}	—	—
	2033ES – 24–volt	GC2	NR	{173}	—	—
	2047ES – 24–volt	GC2	NR	{173}	—	—
	2548HT – 24–volt	GC2	NR	{173}	—	—
	2591ES – 48–volt	903	NR	{320}	—	—
	2633ES – 24–volt	GC2	NR	{173}	—	—
	2647ES – 24–volt	GC2	NR	{173}	—	—
	2684ES – 48–volt	903	NR	{320}	—	—
	2684RT – 48–volt	903	NR	{320}	—	—
	3068ES – 48–volt	GC2	NR	{320}	—	—
	3068ES – Optional – 48–volt	901	NR	{320}	—	—
		GC2H	NR	{320}	—	—
	3084ES – 48–volt	903	NR	{320}	—	—
	3084RT – 48–volt	903	NR	{320}	—	—
	3247ES – 24–volt	GC2	NR	{173}	—	—
	3391ES – 48–volt	903	NR	{320}	—	—
	4191ES – 48–volt	903	NR	{320}	—	—
	Hite–Master – 48–volt	GC2	NR	{320}	—	—
	Quadrex– E Model – 48–volt	27	NR	{3,173}	—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

MAYVILLE ENGINEERING — MOODY NORTHWEST CO.

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
MAYVILLE ENGINEERING (Continued)						
Specialty Lift						
	A70TD – 48–volt	902	NR	{320}	—	—
MEC						
SEE MAYVILLE ENGINEERING CO.						
MELROE COMPANY						
Formerly CLARK EQUIPMENT CO. INGERSOLL-RAND						
Bobcat Fellar Buncher						
1986-85	1213	31P	700		T4-31P	T4-31P+
1986-79	1080, 1080C	27	410	{15}	S4-27	S5515B
Bobcat Loaders						
2000-99	751, 753, 763, 773	24	600		S4-24	S5507B
2000-99	863, 864, 873, 963	24	600		S4-24	S5507B
2000-99	963 – Diesel	24	600		S4-24	S5507B
2000-95	450	24	530		S3-24	S4-24
2000-95	453, 553, 751 – Diesel	24	530		S3-24	S4-24
2000-76	310, 313, 440, 440B	24	370		S3-24	S4-24
2000-76	443 – Diesel	24	370		S3-24	S4-24
1998-97	963 – Diesel	31T	950		T4-31+	T6-31
1998-96	864	31T	950		T4-31+	T6-31
1998-90	753, 763, 773	31P	625		T4-31P	T4-31P+
1998-90	843B, 853, 863, 864	31P	700		T4-31P	T4-31P+
1998-90	873	31P	700		T4-31P	T4-31P+
1997-95	863, 873, 953	31P	950		T4-31P+	T6-31P
1995-91	7753 – Diesel	31P	625		T4-31P	T4-31P+
1995-72	742, 742B, 825	27	410		S4-27	S5515B
1994-83	1600 – Diesel	31P	1000		T4-31P+	—
1994-83	2400, 943, 974, 975	31P	1000		T4-31P+	—
1994-83	980	31P	1000		T4-31P+	—
1994-81	643	31P	625		T4-31P	T4-31P+
1994-80	731, 741, 743, 743B	31P	600		T4-31P	T4-31P+
1994-80	753	31P	600		T4-31P	T4-31P+
1994-76	530, 533, 540, 542B	24	370		S3-24	S4-24
1994-76	543 – Diesel	24	370		S3-24	S4-24
1993-84	843 – Diesel	31P	700		T4-31P	T4-31P+
1993-81	631, 641	31P	600		T4-31P	T4-31P+
1993-81	642, 642B	27	410		S4-27	S5515B
1986-81	2000	24	370	{15}	S3-24	S4-24
1986-74	974, 975 – Diesel	27	410	{15}	S4-27	S5515B
1985-81	843 – Diesel	24	370	{15}	S3-24	S4-24
1981-77	630, 632 – Optional	24	370		S3-24	S4-24
		27	410		S4-27	S5515B
1981-72	610	24	370		S3-24	S4-24
1980-78	730, 732	24	370		S3-24	S4-24
1980-78	730, 732 – Optional	27	410		S4-27	S5515B
Bobcat Trenchers						
1992-89	3022	31P	625		T4-31P	T4-31P+
1992-89	3023 – Diesel	31P	625		T4-31P	T4-31P+
1992-87	T116	55	380		S4-55	—
1992-87	T116D – Diesel	55	380		S4-55	—
1992-87	T135	70	405		S4554B	S3559B(32
1992-87	T136 – Diesel	70	405		S4554B	S3559B(32
Early Models						
1975-66	All M Series	27	410	{147}	S4-27	S5515B
1972-71	CCK – Wisconsin Eng	60	400		S3-24(29)	S3-24F(29
1972-66	K662 – Wisconsin Eng	60	400		S3-24(29)	S3-24F(29
1970-60	CCK	53	290		S4535B	—
1965-60	K662	53	290		S4535B	—
Excavators						
1995-93	331, 337 – Diesel	24	575		S4-24	S5507B

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
METROPOLITAN						
Industrial						
1962-54	All	27	NA		—	—
MID-CENTRAL CORPORATION						
Burnishers						
	200 – 36-volt	901	NR	{178}	—	—
	200, 200, 270 – 36-volt	921	NR	{181}	—	—
	255 – 36-volt	903	NR	{178}	—	—
Scrubber						
	3400 – 24-volt	903	NR	{173}	—	—
	Magnum – 24-volt	901	NR	{173}	—	—
	MicroMag – 24-volt	27	NR	{15,80}	—	—
	XR – 24-volt	901	NR	{178}	—	—
MIDMARK CORP.						
Trenchers						
1984-82	440	31T	625		T4-31	T4-31+
1984-79	140	55	380		S4-55	—
1984-72	200, 201, 202, 220	71	350		S4554B	S3559B(32)
1984-72	300, 300A, 321, 400	71	350		S4554B	S3559B(32)
1984-72	400A, 401A	71	350		S4554B	S3559B(32)
MILLER						
		U1	NA		—	—
MINI-EXCAVATOR						
2000-93	320, 322, 325 – Diesel	26	500		S3513B	S3560B(32)
2000-93	328, 331, 337 – Diesel	26	500		S3513B	S3560B(32)
MINNEAPOLIS-MOLINE						
Additional equipment listed in the Farm Equipment section.						
Crawler Tractors						
1962-60	W-10, W-12 – Diesel	30H	500	{15}	T4-31P	T4-31P+
Lift Trucks						
1971-68	MY-40, MY-50 – Diesel	30H	500	{15}	T4-31P	T4-31P+
1971-67	MY-60 – Diesel	24	400	{147}	S3-24	S4-24
1971-67	WC-20 thru WC-60	24	400	{147}	S3-24	S4-24
1971-66	MSB-20 thru MSB-35	22F	300		S3514B	S3560B
1971-63	MA-20 thru MA-60	24	400		S3-24	S4-24
1971-63	MSA-20 thru MSA-35	24	400		S3-24	S4-24
1971-60	MY-40, MY-50, MY-60	29NF	375		—	—
1971-60	MY-70	29NF	375		—	—
MINUTEMAN						
(see HAKO, MINUTEMAN)						
MOBILE DRILLING CO., INC.						
Early Models						
1976-62	B-40H, B-50, B-56	24	340		S3-24	S4-24
1976-62	B-61, Strokemaster	24	340		S3-24	S4-24
1973-62	B-30, B-38, B-40L	1	450		—	—
1973-62	B-40M	1	450		—	—
Earth Drills						
1995-62	B-40L, B-47, B-57	27	460		S4-27	S5515B
1995-62	B-61, B-80, B31, B34	27	460		S4-27	S5515B
1995-62	B53	27	460		S4-27	S5515B
1991-68	All – Diesel	4D	760	{147}	T4-4D	—
MOODY NORTHWEST CO.						
Mounted Machines						
1995-76	1200C, 180D, 190D	4D	750	{15}	T4-4D	—
1995-76	45DH, 50 Series	4D	750	{15}	T4-4D	—
1995-76	55 Series, 60HT, 65	4D	750	{15}	T4-4D	—

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INDUSTRIAL

MOODY NORTHWEST CO. — NEW HOLLAND

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YEAR	DESCRIPTION	O.E. CCA		Notes	Replacement Options	
		BCI NO.	@ 0°F		Option 1	Option 2
MOODY NORTHWEST CO. (Continued)						
Mounted Machines (Continued)						
1995-76	70D, 70HT, 8070, 80D	4D	750	{15}	T4-4D	—
1995-76	95, 9570	4D	750	{15}	T4-4D	—
1983-77	100DH	4D	750	{173}	T4-4D	—
1981-78	All – Cat 3306NA & 3306T	4D	750	{15}	T4-4D	—
1981-77	All – w/DD 6V–71N	4D	750		T4-4D	—
1981-76	41 – Cat. Eng	4D	750	{15}	T4-4D	—
1981-76	All – DD 4–71N Eng	4D	750		T4-4D	—
1980-76	6	4D	750	{147}	T4-4D	—
1979-76	30DH – w/DD 6V–71N	4D	750		T4-4D	—
1979-76	35DH – w/DD 6V–71N	4D	750		T4-4D	—
1979-76	All – Cat. Eng	4D	750	{15}	T4-4D	—
1979-76	All – Murphy Eng	4D	750	{15}	T4-4D	—
1978-76	28D – Cat. Eng, Murphy Eng, DD 4–71N Eng	4D	750	{15}	T4-4D	—
1978-76	452, Murphy 12	4D	750	{147}	T4-4D	—
MULTI-CLEAN						
Floor Machines						
	1000B, 1000SB – 24–volt	GC2	NR	{173}	—	—
	1100, 1200B – 48–volt	GC2	NR	{320}	—	—
	170 – Optional, 24–volt	24	NR	{3,15}	—	—
	170, 175, 800 – 24–volt	27	NR	{3,15}	—	—
	175 – Optional, 24–volt	24	NR	{3,15}	—	—
	2200, M2200 – 36–volt	921	NR	{181}	—	—
	24B, 32B – 36–volt	GC2	NR	{178}	—	—
	747B – 24–volt	24	NR	{3,15}	—	—
	ACS – Optional, 24–volt	24	NR	{3,15}	—	—
	ACS, B53 – 24–volt	GC2	NR	{173}	—	—
	Flipper FE – 24–volt	U1	NR	{3,15}	—	—
	KS57, SBR50 – 24–volt	GC2	NR	{173}	—	—
	M2600 – 36–volt	921	NR	{181}	—	—
	SB100 – 36–volt	903	NR	{178}	—	—
	SBR60 – 24–volt	GC2	NR	{173}	—	—
	SBR70, SBR85 – 36–volt	GC2	NR	{178}	—	—
MURPHY						
Diesel Engs						
1973-58	All	4D	1000		T4-4D	—
MWM DIESEL INC.						
Formerly MWM-MURPHY DIESEL CO.						
1988-84	D226–6, D327–6 – Diesel	4	810	{15}	—	—
1988-84	TBD234 – Diesel	4	810	{15}	—	—
1988-84	TD226–6 – Diesel	4	810	{15}	—	—
1988-83	D202–2, D302–1 – Diesel	60	360		S3-24{29}	S3-24F{29}
1988-83	D202–3, D226–2 – Diesel	30H	400		T4-31P	T4-31P+
1988-83	D226–3, D226–4 – Diesel	31T	475		T4-31	T4-31+
1988-83	D302–2 – Diesel	60	360		S3-24{29}	S3-24F{29}
1988-83	D302–3, D327–2 – Diesel	30H	400		T4-31P	T4-31P+
1988-83	D327–3, D327–4 – Diesel	31T	475		T4-31	T4-31+
1988-83	T D226–4 – Diesel	31T	475		T4-31	T4-31+
1988-66	232 Series – Diesel	4D	640	{15}	T4-4D	—
1988-66	AD Series – Diesel	4D	640	{15}	T4-4D	—
1988-66	D234, MP – Diesel	4D	640	{15}	T4-4D	—
1984	D234 – Diesel	7D	835		—	—
NAMCO						
Forklift						
1990-85	G–2000, G–2500	U1	230		—	—
1990-85	L–2000, L–2500	U1	230		—	—
1986-66	SLC–2015G, SLC–2020G	24	225		S3-24	S4-24

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
NAMCO (Continued)						
Forklift (Continued)						
1986-66	SLC–2525, SPLC–2524	24	225		S3-24	S4-24
1975-62	All	24	225		S3-24	S4-24
Tow Tractors						
1986-62	All	24	225		S3-24	S4-24
NAPCO						
Loaders						
1969-64	42 thru 44PDD	4	900	{15}	—	—
1969-58	42 thru 44PG	60	375		S3-24{29}	S3-24F{29}
NASH						
Industrial						
1957-40	All	24	NA		—	—
NATIONAL OILWELL						
Formerly OILWELL						
Power Units						
Single Cylinder						
1990-58	F–28, F–32, F–42	4D	760		T4-4D	—
1990-46	98, B, B–12, C, C–15	24	435		S3-24	S4-24
1990-46	C–19, E–15, E–20	24	435		S3-24	S4-24
1975-47	BD, CD – Diesel	24	370		S3-24	S4-24
1967-57	98, B, B–12 – Optional	27	380		S4-27	S5515B
1967-57	C, C–15 – Optional	27	380		S4-27	S5515B
1967-57	C–19, E–15 – Optional	27	380		S4-27	S5515B
1967-57	E–20 – Optional	27	380		S4-27	S5515B
Two Cylinder						
1971-65	F–70, F–90	4D	760		T4-4D	—
NELSON, N.P.						
Tractor-Shovels						
1968-65	350D, 400 – DD Eng	4D	800	{15}	T4-4D	—
		8D	950	{15}	T4-8D	T4-4D
1968-58	150, 200	2	625	{15}	—	—
1968-58	150D – GM Eng, DD Eng	8D	950		T4-8D	T4-4D
1968-58	200D – GM Eng, DD Eng	8D	950		T4-8D	T4-4D
1968-58	200D, 250D – Cummins	4D	800	{15}	T4-4D	—
NEW HOLLAND						
Compact Tracked Loaders						
2013-10	C227, C232, C238	31T	1000		T4-31+	—
Crawler Excavators						
2013-10	E215B	4D	1000		T4-4D	—
Skid Steer Loaders						
2013-10	L213, L215, L218	31T	1000		T4-31+	—
2013-10	L220, L223, L225	31T	1000		T4-31+	—
2013-10	L230	31T	1000		T4-31+	—
2010-07	L175	31T	700		T4-31	T4-31+
2010-05	L150, L160, L170	31T	700		T4-31	T4-31+
2010-05	L180, L185, L190	31T	1000		T4-31+	—
Wheel Loaders						
2013-08	W130B Series	31T	700	{15}	T4-31	T4-31+
2013-08	W130B Series – Heavy Duty	4D	1000	{15}	T4-4D	—
2013-07	W110B Series	31T	700	{15}	T4-31	T4-31+
2010-06	W170B – Heavy Duty	4D	1000	{15}	T4-4D	—
2010-06	W170B, W190B	31T	700	{15}	T4-31	T4-31+
2010-06	W190B – Heavy Duty	4D	1000	{15}	T4-4D	—

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INDUSTRIAL NIFTYLIFT INC. — OLIVER

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
NIFTYLIFT INC.						
Articulated-Boom Telescopic Lifts						
	SD50, SP33 – 24–volt	GC2H	NR	{173}	—	—
	SP 26 – 24–volt	GC2	NR	{173}	—	—
	SP54N – 24–volt	903	NR	{173}	—	—
	TM24 – 12–volt	GC2	NR	{147}	—	—
	TM34T – 12–volt	GC2H	NR	{147}	—	—
	TM50 – 24–volt	GC2H	NR	{173}	—	—
Lifts						
	TM33 – 12–volt	GC2	NR	{147}	—	—
Vertical Boom Lifts						
	Alleycat – 24–volt	903	NR	{173}	—	—
NILFISK-ADVANCE						
(see ADVANCE)						
NOBLES						
Floor Machines						
	BR17, BR20 – 24–volt	921	NR	{15}	—	—
	SCV-B28, SS20 – 24–volt	27	NR	{3,15}	—	—
	SS27 – Optional, 24–volt	901	NR	{173}	—	—
	SS27 – 24–volt	902	NR	{173}	—	—
	SS33 – 12–volt	902	NR	{15}	—	—
NORTH AMERICAN MFG. CO.						
Forklift						
1970-62 All		24	300		S3-24	S4-24
NORTHWEST ENGINEERING CO.						
Crawler Mounted Machines						
1985-76 100DH, 1200C, 60HT		4D	750	{148}	T4-4D	—
1985-76 70HT		4D	750	{148}	T4-4D	—
1985-67 45DH, 50 Series		4D	750	{15}	T4-4D	—
1985-67 55 Series, 65		4D	750	{15}	T4-4D	—
1985-62 180D, 190D, 70D		4D	750	{147}	T4-4D	—
1985-62 8070, 80D, 95, 9570		4D	750	{147}	T4-4D	—
1981-54 41 – Exc Cat D-339 Eng		4D	750	{147}	T4-4D	—
1980-46 25, 25D, 6 – Optional		2	600		—	—
		4D	750	{147}	T4-4D	—
1979-75 28D, 30DH, 35DH		4D	750	{147}	T4-4D	—
1962-54 41 – Cat D-339 Eng		2	600		—	—
NSS ENTERPRISES INC. (NATIONAL SUPER SERVICE)						
Burnishers						
	2000BP – 36–volt	921	NR	{181}	—	—
	2500BP – 36–volt	921	NR	{181}	—	—
	3000BP – 36–volt	921	NR	{181}	—	—
	Charger – 36–volt	921	NR	{181}	—	—
Scrubber						
	1708C, 20 – 24–volt	31	NR	{3,15}	T5-31	T6-31DC
	17B – 24–volt	27	NR	{3,15}	—	—
	20 – Optional, 24–volt	27	NR	{3,15}	—	—
		921	NR	{15}	—	—
		GC2	NR	{173}	—	—
	2008C, 20B – 24–volt	31	NR	{3,15}	T5-31	T6-31DC
	200B – Optional, 24–volt	GC2	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	200B, 200LX – 24–volt	27	NR	{3,15}	—	—
	200LX – Optional, 24–volt	GC2	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	20B – Optional, 24–volt	27	NR	{3,15}	—	—
		921	NR	{15}	—	—
		GC2	NR	{173}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
NSS ENTERPRISES INC. (NATIONAL SUPER SERVICE) (Continued)						
Scrubber (Continued)						
	20W – Optional, 24–volt	27	NR	{3,15}	—	—
		921	NR	{15}	—	—
		GC2	NR	{173}	—	—
	20W, D – 24–volt	31	NR	{3,15}	T5-31	T6-31DC
	210B – Optional, 24–volt	GC2H	NR	{173}	—	—
	210B, 21B, 24 – 24–volt	GC2	NR	{173}	—	—
	21B – Optional, 24–volt	GC2H	NR	{173}	—	—
	24 – Optional, 24–volt	GC2H	NR	{173}	—	—
	240LX – Optional, 36–volt	902	NR	{178}	—	—
		GC2H	NR	{178}	—	—
	240LX, 27B – 36–volt	GC2	NR	{178}	—	—
	24B – Optional, 24–volt	GC2H	NR	{173}	—	—
	24B, 26, 260B – 24–volt	GC2	NR	{173}	—	—
	26 – Optional, 24–volt	GC2H	NR	{173}	—	—
	260B – Optional, 24–volt	GC2H	NR	{173}	—	—
	265LX – Optional, 24–volt	GC2H	NR	{173}	—	—
	265LX, 26B – 24–volt	GC2	NR	{173}	—	—
	26B – Optional, 24–volt	GC2H	NR	{173}	—	—
	26VS – 24–volt	GC2	NR	{173}	—	—
	26VS – Optional, 24–volt	GC2H	NR	{173}	—	—
	27 – 36–volt	921	NR	{181}	—	—
	27B – Optional, 36–volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
	27F – Optional, 36–volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
	27F, 27VS – 36–volt	GC2	NR	{178}	—	—
	27VS – Optional, 36–volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
	285LX – Optional, 36–volt	902	NR	{178}	—	—
		GC2H	NR	{178}	—	—
	285LX, 28LX – 36–volt	GC2	NR	{178}	—	—
	28LX – Optional, 36–volt	902	NR	{178}	—	—
		GC2H	NR	{178}	—	—
	325LX, 32LX – 36–volt	903	NR	{178}	—	—
	32B – Optional, 36–volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
		GC2H	NR	{178}	—	—
	32B, 32BD – 36–volt	GC2	NR	{178}	—	—
	32BD – Optional, 36–volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
		GC2H	NR	{178}	—	—
	32LX – Optional, 36–volt	GC2	NR	{178}	—	—
	33, 33B, 33F – 36–volt	GC2	NR	{178}	—	—
	33VS, 385LX – 36–volt	GC2	NR	{178}	—	—
	385LX – Optional, 36–volt	902	NR	{178}	—	—
		903	NR	{178}	—	—
		GC2H	NR	{178}	—	—
	38BD – 36–volt	GC2	NR	{178}	—	—
	38LX – 36–volt	903	NR	{178}	—	—
	38LX – Optional, 36–volt	GC2	NR	{178}	—	—
	D – Optional, 24–volt	27	NR	{3,15}	—	—
		921	NR	{15}	—	—
		GC2	NR	{173}	—	—
OLIVER						
See also WHITE-OLIVER						
Additional equipment listed in the Farm Equipment section.						
Crawler Tractors						
	1965-63 OC–9 – Diesel	8D	900	{147}	T4-8D	T4-4D
	1965-45 FDE – Diesel	8D	900	{147}	T4-8D	T4-4D

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INDUSTRIAL

OLIVER — OWATONNA MFG. CO., INC.

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		O.E. BCI NO.	CCA @ 0°F			Replacement Options	
YEAR	DESCRIPTION				Notes	Option 1	Option 2
OLIVER (Continued)							
Crawler Tractors (Continued)							
1965-45	OC-18	8D	900		{147}	T4-8D	T4-4D
1965-45	OC-96 – Diesel	8D	900		{147}	T4-8D	T4-4D
1965-44	AG-6, AG-6H – Diesel	2	600		{147}	—	—
1965-44	OC-4 3cyl – Diesel	2	600		{147}	—	—
1962-45	OC-9 – Diesel, Optional	8D	900		{147}	T4-8D	T4-4D
1962-39	DD, DG – Diesel	4D	800		{147}	T4-4D	—
1962-39	OC-15	4D	800		{147}	T4-4D	—
1962-39	OC-9, OC-96 – Diesel	4D	800		{147}	T4-4D	—
1961-55	OC-12	7D	850			—	—
1961-55	OC-12 – Diesel	8D	950			T4-8D	T4-4D
1960-51	OC-3	1	500		{147}	—	—
1960-51	OC-4 – 4-Cyl Eng	1	500		{147}	—	—
1960-51	OC-6	1	500		{147}	—	—
ONAN							
D.W. ONAN							
Early Models							
1975-63	10JC, 15JC, 6JB	60	360			S3-24{29}	S3-24F{29}
1975-63	705JB	60	360			S3-24{29}	S3-24F{29}
1975-62	WB, WC, WF, WK	8D	935		{15}	T4-8D	T4-4D
1975-59	WA, WE	5D	820		{15}	—	—
1975-58	10HC, 10XRAY, 15HC	30HR	380			T4-31P	T4-31P+
1975-58	15HQ	30HR	380			T4-31P	T4-31P+
1975-58	35JJ, 50KA, 75HR	2	565		{15}	—	—
1975-42	10HC, 4JB, 5JB	1	450		{147}	—	—
1975-42	706JB	1	450		{147}	—	—
1964-57	10HC – Optional	32N	335			S4536B{29}	S5-51R{29}
1964-57	10HCXRAY – Optional	32N	335			S4536B{29}	S5-51R{29}
1964-57	15HC, 15HQ – Optional	32N	335			S4536B{29}	S5-51R{29}
1963	10JC, 15JC – Unhoused	60	510			S3-24{29}	S3-24F{29}
Generator Sets							
1985-84	DKC, DKD	22F	380			S3514B	S3560B
1985-84	DVA, DVB, DVC, DVD	31T	700		{15}	T4-31	T4-31+
1985-84	DVE	31T	700		{15}	T4-31	T4-31+
1985-84	MDKC, MDKD, SJB	29NF	325			—	—
1985-82	DL4, DL4B, DL6, DL6B	31T	530			T4-31	T4-31+
1985-82	DL6TB	31T	530			T4-31	T4-31+
1985-81	ES	29NF	325			—	—
1985-70	EK, EM – Optional	60	360			S3-24{29}	S3-24F{29}
1985-70	NH, NHE, NHEL, NHL	60	360			S3-24{29}	S3-24F{29}
1985-70	SK, SKB	60	360			S3-24{29}	S3-24F{29}
1985-64	DJC, DTA, DYA, DYJ	2	565		{15}	—	—
1985-62	CCK – Housed	22F	380			S3514B	S3560B
1985-62	CCK – Unhoused	60	360			S3-24{29}	S3-24F{29}
1985-62	MCCK, MDJA, MDJB	1	450		{147}	—	—
1985-62	MDJC, MDJE, MJA, MJB	1	450		{147}	—	—
1985-62	MJC	1	450		{147}	—	—
1985-60	EC, EF, EK, EM, EN	3EE	360		{147}	S4535B{31}	—
1985-60	ENT	3EE	360		{147}	S4535B{31}	—
1985-60	MDJC, MDJF, MDTA	2	565		{15}	—	—
1985-60	MSDL	2	565		{15}	—	—
1985-59	DF models, DHB	8D	975		{148}	T4-8D	T4-4D
1985-58	AJ, AK – Unhoused	1	450		{15}	—	—
1985-58	AJ, AK – Housed	60	360			S3-24{29}	S3-24F{29}
1985-58	BF, BFA, BGA, BGAL	60	360			S3-24{29}	S3-24F{29}
1985-58	BGE, BGEL	60	360			S3-24{29}	S3-24F{29}
1985-55	6JB, 705JB, JC	60	360			S3-24{29}	S3-24F{29}
1985-55	LK, LKB	1	450		{15}	—	—
1985-45	CCKB, CK, CW, DJA	1	450		{15}	—	—
1985-45	DJB, DJC, DJE	1	450		{15}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
ONAN (Continued)						
Generator Sets (Continued)						
1985-42	RDJC, RDJF, RJC, W2C	1	450	{15}	—	—
1985-42	W2S, W3S	1	450	{15}	—	—
1985	MAJB	60	260		S3-24{29}	S3-24F{29}
1984-68	DYB, DYC, DYD, DYG	8D	975	{15}	T4-8D	T4-4D
1984-68	DYH – If used w/ transfer switch	8D	975	{15}	T4-8D	T4-4D
1983-49	DAY, DBY, DCV, DDA	2	565	{15}	—	—
1983-49	DDB, DEF, DEG, DEH	2	565	{15}	—	—
1983-49	DES, DKS	2	565	{15}	—	—
1982-59	DZB, DZC, DZD, KB	3EE	360	{147}	S4535B{31}	—
1982-59	KR	3EE	360	{147}	S4535B{31}	—
1981-62	MAJ, MJB, MJC, NB	1	450	{15}	—	—
1975-68	FT	8D	935	{15}	T4-8D	T4-4D
1975-60	DRN, DSL, DSP, JA	1	450	{15}	—	—
1975-60	MDSL	1	450	{15}	—	—
1970-59	MDZB	3EE	360		S4535B{31}	—
1969-58	Early models – Optional	1	450	{15}	—	—
1966-59	DWF	NA	1575		—	—
1966-42	Early models	3EE	380		S4535B{31}	—
1965-62	DZB, DZC – Optional	2	630	{15}	—	—
1965-62	DZD, KB, KR – Optional	2	630	{15}	—	—
1964	DSP	2	565	{15}	—	—
1961-58	LH, LKB – Optional	3EE	360		S4535B{31}	—
ORTON CRANE & SHOVEL CO.						
Cranes & Excavators						
1963-61	35M, 37M – Other Engs	1	525	{147}	—	—
1963-61	35M, 37M – Cummins	30H	525	{15}	T4-31P	T4-31P+
Locomotive and Wacker Cranes						
1970-47	All – Optional	7D	900	{147}	—	—
		8D	900	{147}	T4-8D	T4-4D
OSGOOD-GENERAL						
Cranes & Excavators						
1963-57	35-M, 37-M – Other Engs	1	525	{39}	—	—
1963-57	35-M, 37-M – Cummins	30H	500	{39}	T4-31P	T4-31P+
OTTAWA STEEL PRODUCTS						
DAYBROOK-OTTAWA CORP., YOUNG OTTAWA, INC.						
Self-Propelled Hydra Hammers						
1969-50	Commando, H-10, M-11	24	325		S3-24	S4-24
1969-50	M-8	24	325		S3-24	S4-24
OWATONNA MFG. CO., INC.						
Additional equipment listed in the Farm Equipment section.						
Industrial Loaders						
1983-77	1700 Series T/C, 780	24	500	{147}	S3-24	S4-24
1983-76	310, 312	U1	180		—	—
1983-76	345 – Diesel, Optional	31T	625		T4-31	T4-31+
1983-76	440 – Diesel, Optional	31T	625		T4-31	T4-31+
1983-76	441 – Diesel, Optional	31T	625		T4-31	T4-31+
1983-76	445 – Diesel, Optional	31T	625		T4-31	T4-31+
1983-76	545 – Diesel, Optional	31T	625		T4-31	T4-31+
1983-76	770 – Diesel, Optional	31T	625		T4-31	T4-31+
1983-73	320, 345, 440, 441	24	500		S3-24	S4-24
1983-73	445	24	500		S3-24	S4-24
1983-71	440, 770, 880 – Diesel	30H	520	{147}	T4-31P	T4-31P+
1980-76	1700 Series T/C – Optional	31T	625		T4-31	T4-31+
1980-76	780 – Optional	31T	625		T4-31	T4-31+
1979-71	1700 Series T/C – Optional	30H	520		T4-31P	T4-31P+
1979-71	330 Series, 770	24	300		S3-24	S4-24

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

OWATONNA MFG. CO., INC. — PHOENIX FLOOR CARE

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
OWATONNA MFG. CO., INC. (Continued)						
Industrial Loaders (Continued)						
1979-71	780 – Optional	30H	520		T4-31P	T4-31P+
1979-68	1200 Series	24	300		S3-24	S4-24
1979-68	1700 Series	24	300		S3-24	S4-24
1975-69	1700 Series T/C – Optional	24	300		S3-24	S4-24
1975-69	780 – Optional	24	300		S3-24	S4-24
P.K. LINDSAY CO., INC.						
Portable Air Compressors						
2000-95	30KE, 55RK	24	370		S3-24	S4-24
2000-89	80NC, 80WC	24	370		S3-24	S4-24
2000-84	175QD – Standard	30H	600		T4-31P	T4-31P+
2000-84	185QD	30H	600		T4-31P	T4-31P+
2000-80	125QD	30H	550		T4-31P	T4-31P+
2000-80	160QD – Standard	30H	550		T4-31P	T4-31P+
2000-80	80KC, 80KUB	30H	550		T4-31P	T4-31P+
1998-94	185QD	30H	550		T4-31P	T4-31P+
1998-63	25, 33, 40, 40H, 55	24	370		S3-24	S4-24
1998-63	55H, 80, 80H	24	370		S3-24	S4-24
1991-80	80D – Optional	30H	550		T4-31P	T4-31P+
		4D	760		T4-4D	—
1991-71	160QD – w/cold start	30H	470	{15}	T4-31P	T4-31P+
1991-71	175	30H	470	{15}	T4-31P	T4-31P+
1991-71	175QD – w/cold start	30H	470	{15}	T4-31P	T4-31P+
1991-64	125, 125Q, 150, 150Q	30H	455		T4-31P	T4-31P+
1967-66	25	22F	225		S3514B	S3560B
1962-52	33, 55, 80	2E	550		—	—
1953	55	2L	400		—	—
PACIFIC FLOOR (PACIFIC STEAMEX INC.)						
Scrubber						
	B, M, R – 36-volt	901	NR	{178}	—	—
	PAS 26 – 36-volt	GC2	NR	{178}	—	—
	PAS 32 – 36-volt	GC2	NR	{178}	—	—
	ScrubMaster 20B – 24-volt	31	NR	{3,15}	T5-31	T6-31DC
	ScrubMaster 26B Optional, 36-volt	921	NR	{181}	—	—
	ScrubMaster 26B – 36-volt	GC2H	NR	{178}	—	—
	ScrubMaster 30R – 36-volt	902	NR	{178}	—	—
	ScrubMaster 32B Optional, 36-volt	921	NR	{181}	—	—
	ScrubMaster 32B – 36-volt	GC2H	NR	{178}	—	—
PARSONS DIVISION						
KOEHRING PARSONS						
In the absence of a cranking performance specification supplied by the original equipment vehicle manufacturer, the rating shown is based upon battery industry consensus.						
Dumptors						
1975-62	100–1A, 140–1A, 1860	8D	900		T4-8D	T4-4D
Trenchers & Trenchmobiles						
1976-72	75	24F	410		S3-24F	S4-24F
1975-68	155A, 255A, 355A	5D	720		—	—
1975-68	600, 700, 736W	5D	720		—	—
1970-52	88, 88–1B	1	450		—	—
Trenchliners						
1976-54	150–1A, 150–W	5D	720		—	—
1976-54	155–1A, 155–A, 155–L	5D	720		—	—
1976-54	170–1A, 170–W, 180	5D	720		—	—
1976-54	180–W, 250, 255–1A	5D	720		—	—
1976-54	255–A, 255–L, 35	5D	720		—	—
1976-54	355–A	5D	720		—	—
1975-62	131–1A, 131–W	24	410		S3-24	S4-24
1975-62	133–1A, 331–W	24	410		S3-24	S4-24

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
PARSONS DIVISION (Continued)						
Trenchliners (Continued)						
1970-58	77–1A, 77–L	1	450		—	—
1970-55	310 – Cat D–318G Eng	4D	960		T4-4D	—
1970-55	310, 410 – Other Engs	5D	720		—	—
1970-55	410 – Cat D–318G Eng	4D	960		T4-4D	—
1970-55	420 – Cat D–318G Eng	4D	960		T4-4D	—
1970-55	420 – Other Engs	5D	720		—	—
1967-65	724L	24	315		S3-24	S4-24
1960-58	130–1A	5D	720		—	—
Vibratory Plows						
1976-68	DP100, DP80	8D	900	{15}	T4-8D	T4-4D
PENNDRIILL MFG. DIVISION						
Auger & Core Drills						
1975-65	B, H, JE	24	290		S3-24	S4-24
1964-51	B, H, JE	1	550		—	—
PETTIBONE CORPORATION						
PETTIBONE MICHIGAN DIVISION						
Cary-Lifts						
1999-90	10, 15, 20, 25, 30	8D	975		T4-8D	T4-4D
1999-90	40, 70, Super 8	8D	975		T4-8D	T4-4D
Coil Handler						
1999-90	All	8D	975		T4-8D	T4-4D
Cranes						
1999-90	36MK, 40MK	8D	975		T4-8D	T4-4D
Extendo Forklifts						
1999-90	All	4D	900		T4-4D	—
Speed Swings						
1999-90	360, 441, 445	8D	975		T4-8D	T4-4D
Hydraulic Cranes						
1984-83	100SCp, 36SCp, 40SCp	4D	960	{15}	T4-4D	—
1984-83	130SCp	8D	975	{15}	T4-8D	T4-4D
1984-83	16MKp, 20MKp, 25MKp	4D	960		T4-4D	—
1984-83	30MKp, 36MKp, 40MKp	4D	960		T4-4D	—
1984-83	45SCp, 60SCp, 80MKp	4D	960	{15}	T4-4D	—
1984-83	80SCp	4D	960	{15}	T4-4D	—
Multikranes						
1971-70	30CM, 30SC, 70SC	4D	900	{15}	T4-4D	—
1971-65	40CM, 50CM, 70, 90SC	7D	900	{15}	—	—
1971-63	15, 20 – Hercules Eng	30H	525	{173}	T4-31P	T4-31P+
1971-63	15, 20 – Most other Eng	7D	900	{15}	—	—
1971-63	15, 20, 25 – Cummins	4D	900	{15}	T4-4D	—
1971-63	25, 30 – Hercules Eng	30H	525	{173}	T4-31P	T4-31P+
1971-63	25, 30 – Most other Eng	7D	900	{15}	—	—
1971-63	30 – Cummins	4D	900	{15}	T4-4D	—
1962	25	27	400		S4-27	S5515B
Road Graders						
1971-58	All	5D	720	{15}	—	—
Truckcranes						
1971-63	All	30H	540		T4-31P	T4-31P+
PFAHLER						
Ken-Roll Rollers						
1967-59	All	24	325		S3-24	S4-24
Ken-Seal Asphalt Applicators						
1967-61	All	24	325		S3-24	S4-24
PHOENIX FLOOR CARE						
Scrubber						
	Phoenix Combo 21 – 24-volt	921	NR	{15}	—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

PIONEER ENGINEERING — REINCO EQUIPMENT

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
PIONEER ENGINEERING						
Mine, Pit & Quarry Equipment						
1963-52	All	6D	880	{147}	T4-4D	—
PIONEER-ECLIPSE						
Burnishers						
	All Models – LPG, 12-volt	U1	NR	{135}	—	—
	Magna X – 24-volt	903	NR	{173}	—	—
	PE-2000B – 24-volt	GC2	NR	{173}	—	—
Burnishers, Scrubber						
	PE-2000C – 24-volt	GC2	NR	{173}	—	—
Scrubber						
	E, PE-1700S – 24-volt	24	NR	{15}	—	—
	PE-2400S – 24-volt	GC2	NR	{173}	—	—
	PE-3200S – 24-volt	GC2	NR	{173}	—	—
PITMAN MFG. CO.						
Brush Chipper						
1967-66	All	29NF	290		—	—
PORTEC, INC.						
Pioneer Pavers						
1975-73	All	27	650		S4-27	S5515B
Portable Crushing Plants						
1975-70	All	8D	900		T4-8D	T4-4D
1963-58	All	6D	875	{147}	T4-4D	—
POWER CURBERS, INC.						
Power Curber						
2004-03	440, Extrader – 150	24	575		S4-24	S5507B
2004-03	S700 – B	24	575		S4-24	S5507B
Slip-form Paver						
1999-78	3500, 5500, 5700	24	410	{147}	S3-24	S4-24
1999-78	5700B, 6700, 8700	24	410	{147}	S3-24	S4-24
POWR-FLITE						
Scrubber						
	Predator PAS20 – Optional, 24-volt	30H	NR	{3,15}	—	—
	Predator PAS20 – 24-volt	920	NR	{15}	—	—
	Predator PAS28 – 24-volt	GC2H	NR	{173}	—	—
	Predator PAS28 – Optional, 24-volt	GC2H	NR	{173}	—	—
	Predator PAS32SHP 24-volt	GC2H	NR	{173}	—	—
PRIME MOVER CO.						
Forklifts & Loaders						
1991-79	LD-50 – J. Deere Eng	30H	545		T4-31P	T4-31P+
1991-79	LL-40 – J. Deere Eng	30H	545		T4-31P	T4-31P+
1991-78	LD-50, LL-40 – Cont Eng	27	385		S4-27	S5515B
Mason Tenders, Platform Trucks & Powered Buggies						
1991-60	F-20, F-40A, L-32	24	260		S3-24	S4-24
1991-60	L-36, M-20	24	260		S3-24	S4-24
Skid Steer						
1991-81	L-1200, L-1300	24	440		S3-24	S4-24
1991-81	L-925, L-930	24	440		S3-24	S4-24
1991-78	L-600, L-700, LS-70	22NF	250		S4536B	S5-51R
1991-78	LS-75	22NF	250		S4536B	S5-51R
1988-80	L-1200 – Optional	3ET	400		—	—
1988-80	L-930 – Optional	3ET	400		—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
PUCKETT BROS. MFG. CO., INC.						
Asphalt Pavers & Rollers						
1990-74	S-240, T-450, T-450D	70	525		S4554B	S3559B{32}
1990-74	T-650, T-650BD	70	525		S4554B	S3559B{32}
Concrete Curbers & Utility Graders						
1990-75	510B, 510D, SF-820D	31T	925		T4-31+	T6-31
Truck-Mounted Cranes & Power Shovels						
1961-60	125, 125A – Optional	27	410	{147}	S4-27	S5515B
1961-60	125B, 150A – Optional	27	410	{147}	S4-27	S5515B
1961-60	150B – Optional	27	410	{147}	S4-27	S5515B
1961-60	180B, 200B, 225B	27	410		S4-27	S5515B
1961-60	250B, M-200, M-202	27	410		S4-27	S5515B
1961-58	125, 125A, 125B	3	625		—	—
1961-55	100, 100B, 105A, 80	1	525		—	—
1961-55	85A, 85B, J2, S2, S3	1	525		—	—
1959	150A, 150B	3	625		—	—
PULLMAN-HOLT						
Burnishers						
	GB2001 – 36-volt	GC2H	NR	{178}	—	—
POLISHER						
	GB2000 – 36-volt	GC2	NR	{178}	—	—
	GB2000 – Optional, 36-volt	GC2H	NR	{178}	—	—
Scrubber						
	Scrub-Boss SB-26 36-volt	902	NR	{178}	—	—
	Scrub-Boss SB-32 36-volt	903	NR	{178}	—	—
R. A. HANSON CO., INC.						
Canal Excavators & Canal Jumbo						
1979-77	HT428C, RW 303	8D	975	{148}	T4-8D	T4-4D
1979-77	JCJ48	24	410		S3-24	S4-24
Canal Pavers & Trimmer						
1979-77	HS-28C, S31, S48	8D	975	{179}	T4-8D	T4-4D
1979-77	RTS16, RTS17	24	410		S3-24	S4-24
1979-77	T448	8D	975	{179}	T4-8D	T4-4D
Conveyor & Stacker						
1979-78	A Frame Hoist	24	410		S3-24	S4-24
1979-78	Moving Dolly	24	410		S3-24	S4-24
1979-77	C42-330, ST110	8D	975	{15}	T4-8D	T4-4D
Excavators & Fine Graders						
1979-77	15, 512, 61, 62	8D	975	{15}	T4-8D	T4-4D
1979-77	E212	8D	975	{15}	T4-8D	T4-4D
Hydraulic Transporter & Truck Unloader						
1980-79	2, Hoist, TU 14	8D	975	{147}	T4-8D	T4-4D
READY-POWER						
Trucks						
1965-59	CH2, HA4, J2, L5	3EE	350		S4535B{31}	—
1965-58	H, HA, HA2, HA3, J	2E	575	{147}	—	—
1965-58	L2, L3, L4, N, NL, P	2E	575	{147}	—	—
1965-58	R, RD18DX, S, V	2E	575	{147}	—	—
1965-58	RD14DX, RD9DX	2	600	{15}	—	—
1961-59	CH	24	325		S3-24	S4-24
REINCO EQUIPMENT						
Hydrograssers						
1999-95	HA – w/electric reel	24	425		S3-24	S4-24
1999-95	HA – w/o electric reel	U1R	245		—	—
1999-95	HG-5H – w/electric reel	24	425		S3-24	S4-24
1999-95	HG-5H – w/o electric reel	U1R	245		—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL REINCO EQUIPMENT — ROSCO MFG. CO.

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
REINCO EQUIPMENT (Continued)						
Hydrograssers (Continued)						
1999-94	HG13GX - Wisconsin W4-1770 & Ford VSG-413 Eng	24	425		S3-24	S4-24
1999-94	HG13GX - Isuzu 3KRI-VA05 Eng	30H	685		T4-31P+	T6-31P
1999-90	HG-10GM - Isuzu 3KRI-VA05, Wisconsin W4-1770 & Ford VSG-413	24	425		S3-24	S4-24
1999-90	HG-10GX - Isuzu 3KRI-VA05, Wisconsin W4-1770 & Ford VSG-413	24	425		S3-24	S4-24
1999-90	HG-15GM, HG-15GX	30H	685		T4-31P+	T6-31P
1999-90	HG-20GX	30H	685		T4-31P+	T6-31P
1997-80	HG-25GG, HG-25M	30H	685		T4-31P+	T6-31P
1997-80	HG-30G, HG-30GM	30H	685		T4-31P+	T6-31P
1997-80	HG-30GX	30H	685		T4-31P+	T6-31P
1994-90	HG-10GM - Other Engs	30H	685		T4-31P+	T6-31P
1994-90	HG-10GX - Other Engs	30H	685		T4-31P+	T6-31P
1994-89	HG-5GA - w/electric reel	24	410		S3-24	S4-24
1994-89	HG-5GA - w/o electric reel	U1R	245		—	—
1992-73	All - w/Optional Trailer brake system	U2	100		—	—
1990-85	HG-10EG - Other Engs	24	410		S3-24	S4-24
1990-85	HG-10EG - Kubota V-1702B & Yanmar 4TN82E Eng	30H	685		T4-31P+	T6-31P
1989-85	HG-15G - Ford Eng	24	410		S3-24	S4-24
1989-85	HG-15G - Other Engs	30H	685		T4-31P+	T6-31P
1988-73	HG-8	24	410		S3-24	S4-24
1988-73	HG-8 - Duetz F4L912 & Deere, Diesel	30H	685		T4-31P+	T6-31P
1985-79	HG-15M - Ford Eng	24	410		S3-24	S4-24
1985-79	HG-15M - Other Engs	30H	685		T4-31P+	T6-31P
1985-73	HG-10 - Other Engs	24	410		S3-24	S4-24
1985-73	HG-10 - Diesel	30H	685		T4-31P+	T6-31P
1985-73	HG-10M - Other Engs	24	410		S3-24	S4-24
1985-73	HG-10M - John Deere 4.219D	30H	685		T4-31P+	T6-31P
1980-74	HG-12 - J. Deere Eng	30H	685		T4-31P+	T6-31P
1980-74	HG-13 - Ford Eng	24	410		S3-24	S4-24
1980-74	HG-13M - Ford Eng	24	410		S3-24	S4-24
1980-74	HG-13M - J. Deere Eng	30H	685		T4-31P+	T6-31P
1979-73	HG-15 - Ford ex. F245D Eng	24	410		S3-24	S4-24
1979-73	HG-15 - John Deere 4.219D & Ford F245D Eng	30H	685		T4-31P+	T6-31P
1979-73	HG-25 - Ford Eng	24	410		S3-24	S4-24
1979-73	HG-25 - Other Engs	30H	685		T4-31P+	T6-31P
1977-73	HG-10	24	410		S3-24	S4-24
Power Mulchers						
1999-95	M65-D	30H	685		T4-31P+	T6-31P
1999-87	TM-JR, TM-JR-E	U1R	245		—	—
1999-75	M80, M80-C, M90	30H	685		T4-31P+	T6-31P
1999-73	M60F6, M65-W, TM7-30	24	425		S3-24	S4-24
REXWORKS, INC.						
Formerly REXNORD INC.						
Compactors						
1993-78	3-55, 3-55B, 3-70	8D	975	{15}	T4-8D	T4-4D
1993-78	3-70A, 3-90, 3-90C	8D	975	{15}	T4-8D	T4-4D
1993-73	3-45	8D	975	{147}	T4-8D	T4-4D
1993-72	3-35	8D	975	{147}	T4-8D	T4-4D

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
REXWORKS, INC. (Continued)						
Compactors (Continued)						
1993-67	3-50, 3-50A, 30-Mar	8D	975	{147}	T4-8D	T4-4D
1993	3-80	8D	975	{15}	T4-8D	T4-4D
1992	3-80	8D	975	{15}	T4-8D	T4-4D
1991-78	3-80	8D	975	{15}	T4-8D	T4-4D
1972-71	3-35	8D	975	{147}	T4-8D	T4-4D
1971-70	3-35	8D	975	{147}	T4-8D	T4-4D
1970-69	3-35	8D	975	{147}	T4-8D	T4-4D
1969-68	3-35	8D	975	{147}	T4-8D	T4-4D
1968-67	3-35	8D	975	{147}	T4-8D	T4-4D
1967	3-35	8D	975	{147}	T4-8D	T4-4D
Pavers & Pneumatic Rollers						
1973-59	3-50, 30-Mar	4D	775		T4-4D	—
1973-59	34ED (GD Models)	4D	775		T4-4D	—
1970-66	Rex-Pac	29NF	280		—	—
Pumps						
1972-59	1605 (C2)	1	550		—	—
1972-59	200D (CPD)	1	550		—	—
1972-59	200S (CP)	1	550		—	—
1972-59	40MW (NHV)	1	550		—	—
1969-67	4 LD (NHD)	29NF	280		—	—
1969-67	4 LSW (NHMF)	29NF	280		—	—
1966-59	4 LSW (NHMF)	1	550		—	—
Stabilizers						
1992-85	HSPS - Optional	27F	600	{15}	S4-27F	S5516B
1992-67	3-50	4D	775	{147}	T4-4D	—
1992-67	Rex Pactor 3-30	4D	775	{147}	T4-4D	—
1992-67	SPDMS	4D	775	{147}	T4-4D	—
1992-56	HSPS, Optional, PTS	4	590	{15}	—	—
1977-63	DMS, DMS8-48, HDMS	29NF	280	{173}	—	—
1977-63	PTDMS	29NF	280	{173}	—	—
1977-58	D-47, D7W, DS-47	4	590	{15}	—	—
1977-58	GS7	4	590	{15}	—	—
1975-65	Hammer	29NF	280	{179}	—	—
1975-65	Rex Pactor 3-40	29NF	280	{179}	—	—
Steel Wheel Rollers						
1977-60	10 - Diesel, Rex Roll	27F	360		S4-27F	S5516B
1977-60	10, 12, 14 - Rex Roll	29NF	280		—	—
1977-60	12 - Diesel, Rex Roll	27F	360		S4-27F	S5516B
1977-60	14 - Diesel, Rex Roll	27F	360		S4-27F	S5516B
1977-60	5, 6 - Diesel, Rex Roll	27F	360		S4-27F	S5516B
1977-60	5, 6, 8 - Rex Roll	29NF	280		—	—
1977-60	8 - Diesel, Rex Roll	27F	360		S4-27F	S5516B
Vibratory Rollers						
1993-76	SP400, SP600, SP700	27F	600		S4-27F	S5516B
1993-76	SP900	27F	600		S4-27F	S5516B
1993-73	SP1000, SP1100	4D	775		T4-4D	—
1993-73	SP1300, SP910	4D	775		T4-4D	—
1993-68	SP484, SP484D	4D	775		T4-4D	—
1993-68	SP600D, SP600PD	4D	775		T4-4D	—
1993-68	SP848DH, SP848PD	4D	775		T4-4D	—
1993-68	SP900A	4D	775		T4-4D	—
1973-72	SP1300	27F	600		S4-27F	S5516B
1971-68	All	4D	775		T4-4D	—
Pull Type						
1969-67	All	29NF	280		—	—
ROSCO MFG. CO.						
1980-76	Small	24	325		S3-24	S4-24
Road Oil Distributors						
1981-62	RES, ROE, RRE	24	225		S3-24	S4-24

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL ROSCO MFG. CO. — SCHRAMM, INC.

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
ROSCO MFG. CO. (Continued)						
Road Rollers						
1995-92	Trupac (Rubber Tired)	24	950		—	—
1980-59	All	24	225		S3-24	S4-24
Street Flushers						
1981-59	MTA All	24	225		S3-24	S4-24
Sweepers						
1981-60	All	24	225		S3-24	S4-24
RPC CORPORATION						
Straddle Cranes						
1986-81	HD-RR, HD1080	8D	1100	{147}	T4-8D	—
1986-81	HD1080ST, HD1280	8D	1100	{147}	T4-8D	—
1986-81	HD1580	8D	1100	{147}	T4-8D	—
1986-79	C1100, C500 – Diesel	8D	1100		T4-8D	—
1986-79	C1100, C500, C750	24	340		S3-24	S4-24
1986-79	C750 – Diesel	8D	1100		T4-8D	—
1986-73	11000, 1600, 1800	8D	1100		T4-8D	—
1986-73	HD480, HD680, HD880	8D	1100		T4-8D	—
1982-73	1400	24	340		S3-24	S4-24
SAKAI AMERICA, INC.						
Compactors						
2008	CV Series, SV Series	24	575		S4-24	S5507B
2007-06	SV510 Series	24	575		S4-24	S5507B
Feed Loader						
1995-75	FL300, FL50	27	440	{147}	S4-27	S5515B
Road Planer						
1995-72	ER160, ER300, ERF300	4D	850	{15}	T4-4D	—
Rollers						
2008-06	SW Series	24	575		S4-24	S5507B
2008	3-Wheeler Series, CR	24	575		S4-24	S5507B
2008	GW, TW	24	575		S4-24	S5507B
2004-03	SW Series	24	575		S4-24	S5507B
2004-02	SW300, SW320, SW330	24	575		S4-24	S5507B
2002	SW800 Series	24	575		S4-24	S5507B
1995-93	SW350, SW500, SW750	27	440	{15}	S4-27	S5515B
1995-93	TW350, TW500, TW750	27	440	{15}	S4-27	S5515B
1995-85	PV20, PV20T	22NF	325		S4536B	S5-51R
1995-85	PV20, PV20T – Optional	45	270		S3-45	S4535B
1995-85	SG25, SV200	27	440	{147}	S4-27	S5515B
1995-85	SV500 Series, SW40	27	440	{147}	S4-27	S5515B
1995-85	TG25	27	440	{147}	S4-27	S5515B
1995-84	SW100, TW100	4DLT	660	{15}	T4-4DLT	T4-4D{30}
1995-80	SW70C, TW70C	27	440	{15}	S4-27	S5515B
1995-77	SV8	24	340		S3-24	S4-24
1995-75	SV10	24	355		S3-24	S4-24
1995-74	SV100, SV70 Series	4DLT	660	{15}	T4-4DLT	T4-4D{30}
1995-74	SV90(A), SV90T(D)	4DLT	660	{15}	T4-4DLT	T4-4D{30}
1995-72	SV25, SV40, SV41	27	440	{147}	S4-27	S5515B
1995-72	SV55–TV55, SV91(A)	4DLT	660	{147}	T4-4DLT	T4-4D{30}
1995-72	SV70C, TW40, TW41	27	440	{147}	S4-27	S5515B
1995-72	SV91T(D), SW70	4DLT	660	{147}	T4-4DLT	T4-4D{30}
1995-72	TW70C	27	440	{147}	S4-27	S5515B
Rubber Tired & Steel Rollers						
1995-86	H.T., R-2S, TS200	27	440	{15}	S4-27	S5515B
1995-86	TS31, TS600	27	440	{15}	S4-27	S5515B
1995-66	R-1, R-2, T2, TS150	4DLT	660	{15}	T4-4DLT	T4-4D{30}
1995-66	TS150H, TS290	4DLT	660	{15}	T4-4DLT	T4-4D{30}
1995-66	TS7409	4DLT	660	{15}	T4-4DLT	T4-4D{30}

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
SAUERMAN						
Power Scrapers						
1971-62	ASD-1302, ASD-1302TC	8D	1000		T4-8D	T4-4D
1971-62	ASD-2002, ASD-2002TC	8D	1000		T4-8D	T4-4D
1971-62	ASD-2515, ASD-2602	8D	1000		T4-8D	T4-4D
1971-62	ASD-4002	8D	1000		T4-8D	T4-4D
1971-62	ASG-1302, ASG-2002	7D	900		—	—
1971-62	ASG-2602, ASG-902	7D	900		—	—
1969-62	ASG-4002, ASG-5402	8D	1000		T4-8D	T4-4D
1967-62	ASD-2515TC	8D	1000	{15}	T4-8D	T4-4D
1967-62	ASD-2602TC, ASD-3015	8D	1000	{15}	T4-8D	T4-4D
1967-62	ASD-3015TC	8D	1000	{15}	T4-8D	T4-4D
1967-62	ASD-4002TC	8D	1000	{15}	T4-8D	T4-4D
1967-62	ASD-5402TC	8D	1000	{15}	T4-8D	T4-4D
Slackline Cableway Machines						
1971-62	2401TC, 2541, 2541TC	8D	1000	{15}	T4-8D	T4-4D
1971-62	2651, 2651TC, 2911	8D	1000	{15}	T4-8D	T4-4D
1971-62	2911TC, UCD-2201TC	8D	1000	{15}	T4-8D	T4-4D
1971-62	UCD-2131, UCD-2131TC	8D	1000		T4-8D	T4-4D
1971-62	UCD-2201, UCD-2261	8D	1000		T4-8D	T4-4D
1971-62	UCD-2261TC	8D	1000	{15}	T4-8D	T4-4D
1971-62	UCD-2401	8D	1000		T4-8D	T4-4D
1967-62	UCG-2131, UCG-2201	7D	900		—	—
1967-62	UCG-2261	7D	900		—	—
SCHIELD BANTAM						
Crane & Shovel Units						
1966-65	206	8D	1000		T4-8D	T4-4D
1966-65	306 – Carrier	8D	1000		T4-8D	T4-4D
1966-62	C-450, T-450	27	410		S4-27	S5515B
1966-62	C-450, T-450 – Diesel	8D	1000		T4-8D	T4-4D
1966-59	206	27	410		S4-27	S5515B
1966-59	306 – Carrier	27	410		S4-27	S5515B
1966-59	400 Series – Carrier	27	410		S4-27	S5515B
1966-59	54 – Carrier	27	410		S4-27	S5515B
1966-54	200	3N	575		—	—
1966-54	300 – Carrier	3N	575		—	—
1966-54	T-250	3N	575		—	—
1962-53	C-35, CR-35, T-35	1	550	{147}	—	—
SCHRAMM, INC.						
Crawler Mtd. Drill Rigs						
1989-75	C42B, C42HB, C64HC	5D	865	{148}	—	—
1989-75	C66C	5D	865	{148}	—	—
Rotadrill						
2000-85	SC25M, SC30M, SC40M	8D	1400	{15}	T4-8D	—
2000-85	SC45M, SCH25M	8D	1400	{15}	T4-8D	—
2000-85	SCH30GC, SCH30M	8D	1400	{15}	T4-8D	—
2000-85	SCH45M	8D	1400	{15}	T4-8D	—
1989-75	C560, C985H	5D	865	{148}	—	—
1988-85	C685, C685H	8D	1400	{15}	T4-8D	—
Portable Air Compressors						
Pneumapower						
1984-61	100, 125, 160, 40	3ET	425	{147}	—	—
1984-61	85	3ET	425	{147}	—	—
1983-80	185	31T	630		T4-31	T4-31+
1979-58	315, 375, 600	5D	860	{15}	—	—
1970-66	20, 35	3EE	325		S4535B{31}	—
1969-55	125, 250 Unistage	1	550	{15}	—	—
1969-55	75	1	550	{15}	—	—
1965-58	125 Unistage, 20, 35	2E	600	{147}	—	—
1965-36	210, 250 Unistage	2	630	{148}	—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL SCHRAMM, INC. — SIMON AERIALS

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
SCHRAMM, INC. (Continued)						
Powair						
2000-89	1000/350 Hi-Pressure	8D	1400	{15}	T4-8D	—
1989-62	425/350 Hi-Pressure	5D	810	{173}	—	—
1989-62	600	5D	810	{173}	—	—
1989-62	850/350 Hi-Pressure	5D	810	{173}	—	—
1985-79	250	30H	510	{15}	T4-31P	T4-31P+
1980-64	200, 240/350, 250	5D	825	{15}	—	—
Rotary Drills						
2008-02	T10XD, T300M, T445i	8D	1400		T4-8D	—
2008-02	T450 BH, T450M 111	8D	1400		T4-8D	—
2008-02	T450M 11A, T450WS	8D	1400		T4-8D	—
2008-02	T555, T555C	8D	1400		T4-8D	—
2008-02	T685WS – Tracked	8D	1400		T4-8D	—
2007-02	T685WS, T90XD	8D	1400		T4-8D	—
2007-02	TI 30XD, TI 45EX, TM	8D	1400		T4-8D	—
Tractor Air Compressors						
Pneumatractor						
1995-67	250, 300 – Diesel	5D	860	{148}	—	—
1995-67	HT–300B, HT–300C	5D	860	{148}	—	—
1995-67	S–200, S–250	5D	860	{148}	—	—
1981-68	HT–160, S–160	3ET	425		—	—
1970-59	125 – Diesel	3ET	425	{15}	—	—
1970-55	125, 160HT, 250, 300	1	550	{15}	—	—
1970-55	62	1	550	{15}	—	—
Trailer Mtd. Drill Rigs						
1997-82	T450W – 18in., 24in.	8D	1400	{15}	T4-8D	—
1997-82	TM140 – 18in., 24in.	8D	1400	{15}	T4-8D	—
1997-82	TM90 – 18in., 24in.	8D	1400	{15}	T4-8D	—
1997-80	T660W – 18in., 24in.	8D	1400	{15}	T4-8D	—
1997-80	T685 – 18in., 24in.	8D	1400	{15}	T4-8D	—
1997-80	T685DHH – 18in., 24in.	8D	1400	{15}	T4-8D	—
1997-80	T685H – 18in., 24in.	8D	1400	{15}	T4-8D	—
1997-80	T685W – 18in., 24in.	8D	1400	{15}	T4-8D	—
1993-75	T450 – 18in., 24in.	5D	810	{173}	—	—
1993-75	T450H – 18in., 24in.	5D	810	{173}	—	—
1993-75	T450M – 18in., 24in.	5D	810	{173}	—	—
1993-75	T985HA – 18in., 24in.	5D	810	{173}	—	—
1991-75	T64HB – 18in., 24in.	5D	825	{173}	—	—
1991-75	T660 – 18in., 24in.	5D	825	{173}	—	—
1991-75	T660M – 18in., 24in.	5D	825	{173}	—	—
1991-75	T66B – 18in., 24in.	5D	825	{173}	—	—
1991-75	T66H – 18in., 24in.	5D	825	{173}	—	—
SEALED AIR/TASKI						
Scrubber						
	1500 – 24-volt	903	NR	{173}	—	—
	2500 Ridescrub – 24-volt	902	NR	{173}	—	—
	4000, SR5730 – 36-volt	903	NR	{178}	—	—
	42B, 600 – 24-volt	24	NR	{15}	—	—
	55 – 24-volt	921	NR	{15}	—	—
	600BMS – 24-volt	24	NR	{15,135}	—	—
	D28, D33, D38 – 36-volt	901	NR	{178}	—	—
	Encore 120 – 24-volt	921	NR	{15}	—	—
	L25HD – 24-volt	GC2	NR	{173}	—	—
	S28, S33, S38 – 36-volt	901	NR	{178}	—	—
	Swingo 1255B – 24-volt	31	NR	{15,80}	T6-31DC	—
	Swingo 1650B – 24-volt	8D	NR	{15,80}	—	—
	Swingo 1850B – 24-volt	8D	NR	{15,80}	—	—
	Swingo 2100 – 24-volt	902	NR	{173}	—	—
	Swingo 455B – 24-volt	24	NR	{15,80}	—	—
	Swingo 5000 – 24-volt	902	NR	{173}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
SEALED AIR/TASKI (Continued)						
Scrubber (Continued)						
	Swingo 755B – 24-volt	31	NR	{15,80}	T6-31DC	—
	Swingo 855B – 24-volt	31	NR	{15,80}	T6-31DC	—
	Swingo XP – 24-volt	31	NR	{15,80}	T6-31DC	—
	Swingo XP-M – 24-volt	GC2	NR	{80,173}	—	—
	Swingo XP-R – 24-volt	GC2	NR	{80,173}	—	—
SHEPPARD						
Additional equipment listed in the Farm Equipment section.						
Power Units						
1965-40	12, 12D, 13, 13D	4	900	{15}	—	—
1965-40	14, 16, 17, 17A, 19	1	550	{15}	—	—
1965-40	16B, 19B, 19D, 6A-1	4	900	{15}	—	—
1965-40	250, 7, 7D, 8, 9	1	550	{15}	—	—
1965-40	6D	4	900	{15}	—	—
SICARD INDUSTRIES, INC.						
Snow Blowers						
2004-02	2200 – Snow Blower Loader Mouted	8D	900	{150}	T4-8D	T4-4D
2004-02	3200	8D	900		T4-8D	T4-4D
2004-02	5000 – Snow Blower Chassis Mounted	4D	800		T4-4D	—
Snowplows						
1981-73	3200 – DD Eng	4D	900		T4-4D	—
1981-73	5000, 7000	4D	900		T4-4D	—
1981-63	1500, 2100, 3100, BM	3EE	325		S4535B{31}	—
1981-63	SW-314	3EE	325		S4535B{31}	—
1981-59	All – Waukeska Eng	30H	535		T4-31P	T4-31P+
1981-59	All – Cat. Eng	8D	950	{147}	T4-8D	T4-4D
1981-59	All – w/AC	8D	950	{147}	T4-8D	T4-4D
1981-59	BK, BL – IHC Eng	3ET	425		—	—
1981-59	JSM (BJ)	3ET	425		—	—
1981-54	2200 – DD 4-53 Eng	3EE	325		S4535B{31}	—
1981-54	BB-636, BB-660	3EE	325		S4535B{31}	—
1981-54	BB-860	3EE	325		S4535B{31}	—
Spreaders & Sweepers						
1973-62	MS-23B	3EE	325		S4535B{31}	—
1968-57	SW-112	30H	535		T4-31P	T4-31P+
SILENT HOIST & CRANE CO., INC.						
Forklift						
1991-73	FK, FKS, FS – Diesel	8D	975		T4-8D	T4-4D
1991-58	CD, CDH, FCK, FK	27	485		S4-27	S5515B
1991-58	FKS, FS	27	485		S4-27	S5515B
1979-73	FS – w/Cummins Eng	4D	760	{15}	T4-4D	—
1967-46	CD, CDH	1	440		—	—
Mobile Cranes						
1991-75	CAX, CAY, CAZ – Diesel	8D	975		T4-8D	T4-4D
1991-64	CAX, CAY, CAZ	27	485		S4-27	S5515B
1991-46	AX, AXH, AY, AYH, AZ	27	485		S4-27	S5515B
1991-46	AZH, CD, CDH, FAX	27	485		S4-27	S5515B
1991-46	FAY, FAZ	27	485		S4-27	S5515B
1975-46	A, AX, AY, CD, CDH	1	440		—	—
SIMCA						
Industrial						
1971-62	All – Standard Imports	24	NA		—	—
1962-50	All ex. V8	27SL	NA		—	—
SIMON AERIALS						
SEE TEREX CORP.						

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

INDUSTRIAL SIMPLICITY — SNORKEL ENGINEERING

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
SIMPLICITY						
Utility Vehicles						
2005	Turf Cruiser	NA	375	{24}	—	—
SKAGIT PRODUCTS						
Formerly LTV ENERGY PRODUCTS CO., CONTINENTAL EMS CO.						
Hoists						
1986-79	BU-18, G-70, RB-80	4D	900		T4-4D	—
1986-79	MD-97, RB-150	8D	910	{15}	T4-8D	T4-4D
1986-79	RB-90	4D	900		T4-4D	—
1964-58	All	4D	805	{147}	T4-4D	—
Mobile Loggers						
1986-79	Ford 272	4D	805	{177}	T4-4D	—
1986-79	SJ-2-R, SJ-4-RT	4D	805	{15}	T4-4D	—
1986-79	SJ-7-R	4D	805	{15}	T4-4D	—
Tower Yarder						
1964-62	TY-60	4D	805	{15}	T4-4D	—
Winches						
1986-79	DTW-100	4D	900		T4-4D	—
1986-79	DTW-150	8D	910		T4-8D	T4-4D
Yarders & Loaders						
1986-79	BU-199, BU-737	8D	910	{15}	T4-8D	T4-4D
1986-79	BU-739, BU-90G	8D	910	{15}	T4-8D	T4-4D
1986-79	SY-717, SY-757	8D	910	{15}	T4-8D	T4-4D
SKYJACK INC.						
Boom Lifts						
	SJKB – Optional – 48-volt	903	NR	{320}	—	—
	SJKB, SJLB – 48-volt	902	NR	{320}	—	—
	SJLB – Optional – 48-volt	903	NR	{320}	—	—
Knuckle Type						
	SJKB-33N – 48-volt	902	NR	{320}	—	—
	SJKB-33N – Optional 48-volt	903	NR	{320}	—	—
Personnel Lifts						
	SJPI, SJPM – 12-volt	27	NR	{3}	—	—
	SJPX – 12-volt	27	NR	{3}	—	—
Scissor Lifts						
	SJ 8841 RT – 24-volt	GC2	NR	{173}	—	—
	SJ6826 – 24-volt	GC2	NR	{173}	—	—
	SJ6832 RT – 24-volt	GC2	NR	{173}	—	—
	SJ7127 – 24-volt	GC2	NR	{173}	—	—
	SJ7135 RT – 24-volt	GC2	NR	{173}	—	—
	SJ8831 – 24-volt	GC2	NR	{173}	—	—
	SJ9250 RT – 24-volt	GC2	NR	{173}	—	—
	SJIII 3215 – 24-volt	GC2	NR	{173}	—	—
	SJIII 3219 – 24-volt	GC2	NR	{173}	—	—
	SJIII 3220 – 24-volt	GC2	NR	{173}	—	—
	SJIII 3226 – 24-volt	GC2	NR	{173}	—	—
	SJIII 4620 – 24-volt	GC2	NR	{173}	—	—
	SJIII 4626 – 24-volt	GC2	NR	{173}	—	—
	SJIII 4632 – 24-volt	GC2	NR	{173}	—	—
	SJIII 6826 – 24-volt	GC2	NR	{173}	—	—
	SJIII 6832 – 24-volt	GC2	NR	{173}	—	—
	SJIII Compact or Conventional 24-volt	GC2	NR	{173}	—	—
	SJIII Compact or Conventional Optional – 24-volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
Vertical Mast Lifts						
	SJ 12, SJ 16 – 24-volt	GC2	NR	{173}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
SMI (WATERTOWN, NY)						
Rotary Snowplowers						
1981-73	2200 – DD 4-53 Eng	3EE	310		S4535B{31}	—
1981-73	2200 – Cummins Diesel	8D	900		T4-8D	T4-4D
1981-73	3200 – w/DD 6V-71N	4D	800		T4-4D	—
1981-73	3200 – Cummins Diesel	8D	900		T4-8D	T4-4D
1981-73	5000, 7000	4D	800		T4-4D	—
1981-73	SW-314D	8D	900		T4-8D	T4-4D
1981-63	BL – Cat. Eng	8D	900	{15}	T4-8D	T4-4D
1981-61	1500, 2100, 3100	3EE	310		S4535B{31}	—
1981-61	All – Waukeska Eng	30H	545		T4-31P	T4-31P+
1981-61	BB-636, BB-660	3EE	310		S4535B{31}	—
1981-61	BB-860, BM, SW-314	3EE	310		S4535B{31}	—
1981-61	BK – IHC Eng	3ET	425		—	—
1981-61	BK – Allis-Chalmers	8D	900		T4-8D	T4-4D
1975-63	JSM (BJ)	3ET	425		—	—
Spreader						
1975-62	MS-23B	3EE	310		S4535B{31}	—
Sweepers						
1970-61	SW-112	30H	540		T4-31P	T4-31P+
SMITH, GORDON & CO., INC.						
Formerly GORDON, SMITH & CO.						
Portable Air Compressors						
1995-87	100	24	500	{147}	S3-24	S4-24
1995-86	110D, 125DP, 175D	31T	900		T4-31+	T6-31
1995-86	175DP	31T	900		T4-31+	T6-31
1995-86	200 – Optional	31T	900		T4-31+	T6-31
1995-86	200DP	31T	900		T4-31+	T6-31
1995-81	160, 200	24	500	{147}	S3-24	S4-24
1986-81	100 – Optional	24	500	{147}	S3-24	S4-24
1986-68	100, 125, 150, 45	27	505		S4-27	S5515B
1986-68	70, 75, 90	27	505		S4-27	S5515B
1985-84	160 – Optional	22F	400		S3514B	S3560B
1970-64	160	3	500	{15}	—	—
1968-57	45, 75	60	320		S3-24{29}	S3-24F{29}
SMITH, T.L.						
Division of ATO INC.						
Concrete Mixers						
1974-59	All – Chrysler, Ford Eng	24	375		S3-24	S4-24
1973-65	All – Diesel GM Eng	8D	975		T4-8D	T4-4D
SNORKEL ENGINEERING						
Subsidiary of OMNIQUIP INTERNATIONAL, INC.						
Snorkelift						
2008-06	All	27	675		S4-27	S5515B
2004-02	Telescoping Boom 37	27	675		S4-27	S5515B
2000-96	SLA-27, SLA-35, SLH	27	575		S4-27	S5515B
2000-94	126, Pro 100	27	600	{181}	S4-27	S5515B
2000-92	18, 19, 20 – Optional	4	500		—	—
2000-92	18, 19, 20, 25, SL15	GC2	220		—	—
2000-92	25, SL15 – Optional	4	500		—	—
2000-89	ATB42, ATB46E	27	600		S4-27	S5515B
2000-89	ATB46N, ATB50, ATB60	27	600		S4-27	S5515B
2000-89	Pro 66	27	600		S4-27	S5515B
1998-86	41, Uno 33	27	575		S4-27	S5515B
1998-86	TB Series, TB120	27	600	{177}	S4-27	S5515B
1995-90	5000	NA	NA		—	—
1995-89	5000D, 5000G	22F	330		S3514B	S3560B

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

SNORKEL INTERNATIONAL — SULLAIR CORPORATION

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
SNORKEL INTERNATIONAL						
Articulated						
	SL26N, SL30N – 24-volt	GC2	NR	{173}	—	—
Articulated Boom						
	ATB33 – 48-volt	903	NR	{320}	—	—
	M2032J – 24-volt	903	NR	{173}	—	—
	M2639J – 24-volt	903	NR	{173}	—	—
Boom Lift						
	A38E, AB38 – 48-volt	GC2	NR	{320}	—	—
	A46JE – 48-volt	902	NR	{320}	—	—
	AB38 Lite – 48-volt	GC2	NR	{320}	—	—
	AB38N, AB46 – 48-volt	903	NR	{320}	—	—
	AB46 Bi Energy – 48-volt	903	NR	{320}	—	—
	MB20, MB20J – 24-volt	903	NR	{173}	—	—
	MB20N, MB26 – 24-volt	903	NR	{173}	—	—
	MB26J – 24-volt	903	NR	{173}	—	—
	SP37, TL38 – 24-volt	GC2	NR	{173}	—	—
	TL49 – 24-volt	GC2	NR	{173}	—	—
Conventional						
	S2033, S2545 – 24-volt	GC2	NR	{173}	—	—
Mast Lift						
	UL25, UL32 – 12-volt	27	NR	{3}	—	—
	UL40 – 12-volt	27	NR	{3}	—	—
Narrow Slab						
	S2633, S2646 – 24-volt	GC2	NR	{173}	—	—
	S3246, SL19 – 24-volt	GC2	NR	{173}	—	—
	SL19 – Optional – 24-volt	GC2H	NR	{173}	—	—
	SL20 – Optional – 24-volt	GC2H	NR	{173}	—	—
	SL20, SL26 – 24-volt	GC2	NR	{173}	—	—
	SL26 – Optional – 24-volt	GC2H	NR	{173}	—	—
Personnel Lifts						
	PAM26 – 12-volt	NA	NR	{147}	—	—
	SPM20 – 12-volt	27	NR	{3,147}	—	—
	UL20 – 12-volt	27	NR	{3}	—	—
Portable						
	UL48 – 12-volt	27	NR	{3}	—	—
Scissor Lifts						
	M1230E, MX15 – 24-volt	GC2	NR	{173}	—	—
	MX19, S1930 – 24-volt	GC2	NR	{173}	—	—
	S1930 – Optional – 24-volt	GC2H	NR	{173}	—	—
	S1930E – 24-volt	GC2	NR	{173}	—	—
	S1931 – 24-volt	GC2H	NR	{173}	—	—
	S1932E, SL15 – 24-volt	GC2	NR	{173}	—	—
	S2770BE – 24-volt	902	NR	{173}	—	—
	S3010E – 24-volt	27	NR	{3,147}	—	—
	S3370BE – 24-volt	902	NR	{173}	—	—
	S4726E – 24-volt	901	NR	{173}	—	—
	S4732E – 24-volt	901	NR	{173}	—	—
	SL15 – Optional – 24-volt	GC2H	NR	{173}	—	—
	SLH 2580 – 24-volt	GC2	NR	{173}	—	—
	SLH 2580 – Optional 24-volt	GC2H	NR	{173}	—	—
	TM12, X20 – 24-volt	GC2	NR	{173}	—	—
	X20N, X20W – 24-volt	GC2	NR	{173}	—	—
	X26 – 24-volt	GC2	NR	{173}	—	—
	X26 Ultra-N – 24-volt	GC2	NR	{173}	—	—
	X26N, X31 – 24-volt	GC2	NR	{173}	—	—
	X32 – 24-volt	GC2	NR	{173}	—	—
	XRT27E – 48-volt	GC2	NR	{320}	—	—
	XRT33E – 48-volt	GC2	NR	{320}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
SNORKEL INTERNATIONAL (Continued)						
Telescoping						
	AB38W, AB46JE – 48-volt	GC2	NR	{320}	—	—
	ATB38, ATB46e – 48-volt	903	NR	{320}	—	—
	UNO 33E – 48-volt	GC2	NR	{320}	—	—
	UNO41E – 48-volt	GC2	NR	{320}	—	—
Trailer Mounted						
	TL33, TL37J – 24-volt	GC2	NR	{173}	—	—
	TL34 – 12-volt	GC2	NR	{147}	—	—
Wide Slab						
	SLH 3280 – 24-volt	GC2	NR	{173}	—	—
	SLH 3280 – Optional 24-volt	GC2H	NR	{173}	—	—
	SLH 4090 – 24-volt	GC2	NR	{173}	—	—
	SLH 4090 – Optional 24-volt	GC2H	NR	{173}	—	—
	SLH 4091 – 24-volt	GC2	NR	{173}	—	—
	SLH 4091 – Optional 24-volt	GC2H	NR	{173}	—	—
SPECTRUM						
Electric Power Plants						
1999-97	125DS, 20DS – Diesel	26	525		S3513B	S3560B{32}
1999-97	135–180GS(60Mz)	24	900	{147}	—	—
1999-97	150–180DS – Diesel	31T	1000	{148}	T4-31+	—
1999-97	20–100GS	24	900	{147}	—	—
1999-97	200DS – Diesel	31T	1000	{148}	T4-31+	—
1999-97	230–600DS – Diesel	31T	1000	{148}	T4-31+	—
1999-97	30–1000DSE – Diesel	24	900		—	—
1999-97	30–100DS – Diesel	24	900		—	—
1999-97	50Mz	31T	1000	{15}	T4-31+	—
1999-97	750–2000DS – Diesel	31T	1000	{148}	T4-31+	—
STEAMEX						
(see PACIFIC FLOOR)						
STEIGER TRACTOR, INC.						
Additional equipment listed in the Farm Equipment section.						
Industrial Tractors						
1986-82	CA–280, CA–325	31T	475	{173}	T4-31	T4-31+
1986-82	CA–360, CU–280	31T	475	{173}	T4-31	T4-31+
1986-82	CU–325, CU–360	31T	475	{173}	T4-31	T4-31+
STEINER						
Utility Vehicles						
2004	75 – 70134, ST35	26	650		S4560B{32}	S5560B{32}
2004	75 – 70136	26	650	{15}	S4560B{32}	S5560B{32}
2004	ST480	26	650		S4560B{32}	S5560B{32}
STERLING INDUSTRIES LLC (ACCESS DIVISION)						
Scissor Lifts						
	20NE, 20WE – 24-volt	GC2	NR	{178}	—	—
	26NE – 24-volt	GC2	NR	{178}	—	—
SULLAIR CORPORATION						
Air Compressors						
2008-06	300HH, 375, 375H	8D	1400		T4-8D	—
2008-06	425	8D	1400		T4-8D	—
2008-04	1050, 1150XH	8D	1400		T4-8D	—
2008-04	1150XHDL, 1150XHDL	8D	1400		T4-8D	—
2008-04	1300H, 1300XHDL	8D	1400		T4-8D	—
2008-04	1450HH, 1600, 1600H	8D	1400		T4-8D	—
2008-04	600H, 750, 750H	8D	1400		T4-8D	—
2008-04	750HH, 825, 900	8D	1400		T4-8D	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

INDUSTRIAL

SULLAIR CORPORATION — TAMPO MFG. CO.

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			O.E. CCA BCI @ NO. 0°F		Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
SULLAIR CORPORATION (Continued)						
Air Compressors (Continued)						
2008-04	900H, 900HDL, 900XH	8D	1400		T4-8D	—
2008-04	900XHDL, 900XHH	8D	1400		T4-8D	—
2008-04	Portable Compressors 1900	8D	1400		T4-8D	—
2007-06	1350XHDL, 30, 435	8D	1400		T4-8D	—
1993-90	100	24F	815		—	—
1993-90	100 – Diesel	24F	815		—	—
1993-90	125	24F	815		—	—
1993-90	125 – Diesel	24F	815		—	—
1993-90	175, 250, 375 – Diesel	30H	800	{147}	T4-31P+	T6-31P
1993-90	185	30H	800		T4-31P+	T6-31P
1993-90	80	24F	815		—	—
1993-82	600 – Diesel, Optional	4D	960	{15}	T4-4D	—
1993-82	750 – Diesel, Optional	4D	960	{15}	T4-4D	—
1993-77	600, 800, 805 – Diesel	4D	775	{147}	T4-4D	—
1993-77	825, 900 – Diesel	4D	775	{147}	T4-4D	—
1993-74	1050, 1250 – Diesel	8D	975	{148}	T4-8D	T4-4D
1993-74	1600, 3200 – Diesel	8D	975	{148}	T4-8D	T4-4D
1993-74	800, 900 – Diesel	8D	975	{148}	T4-8D	T4-4D
1990-89	H300 – 300 psi, 350 psi	8D	975	{15}	T4-8D	T4-4D
1990-89	H425 – 300 psi, 350 psi	8D	975	{15}	T4-8D	T4-4D
1990-89	H600 – 300 psi, 350 psi	8D	975	{15}	T4-8D	T4-4D
1990-89	H750 – 300 psi, 350 psi	8D	975	{15}	T4-8D	T4-4D
1990-86	100, 80	30H	550		T4-31P	T4-31P+
1990-86	175 – Diesel	31A	650		T4-31P	T4-31P+
1990-85	250 – Diesel	31A	650		T4-31P	T4-31P+
1990-85	H1050	8D	975	{15}	T4-8D	T4-4D
1990-85	H1250 – Diesel, Rex Roll	8D	975	{15}	T4-8D	T4-4D
1990-85	H1300 – Diesel	8D	975	{15}	T4-8D	T4-4D
1990-84	H185 – Diesel	31A	650		T4-31P	T4-31P+
1990-83	185	31A	650		T4-31P	T4-31P+
1990-83	H300 – Diesel, Rex Roll	4D	775	{147}	T4-4D	—
1990-83	H425 – Diesel, Rex Roll	4D	775	{147}	T4-4D	—
1990-83	H600 – Diesel, Rex Roll	4D	775	{147}	T4-4D	—
1990-83	H750 – Diesel, Rex Roll	4D	775	{147}	T4-4D	—
1990-80	H900 – Diesel, Rex Roll, 350 psi	8D	975	{15}	T4-8D	T4-4D
1990-78	125	30H	550		T4-31P	T4-31P+
1990-78	250, 300, 330 – Diesel	4D	775		T4-4D	—
1990-78	375 – Diesel	4D	775		T4-4D	—
1987-80	H275/300 – Diesel	8D	975		T4-8D	T4-4D
1986-85	160, 185 – Diesel	31A	650		T4-31P	T4-31P+
1985-78	100 – Optional	30H	550		T4-31P	T4-31P+
1985-78	250 – Diesel, Optional	8D	975		T4-8D	T4-4D
1985-78	375 – Diesel, Optional	8D	975		T4-8D	T4-4D
1985-74	350 – Diesel	8D	975		T4-8D	T4-4D
1985-74	600, 750 – Optional	8D	975	{15}	T4-8D	T4-4D
1985-69	100, 125, 70 – Optional	24	400		S3-24	S4-24
1985-69	100, 125, 70, 85	22F	300		S3514B	S3560B
1985-69	85 – Optional	24	400		S3-24	S4-24
1982-76	160, 185	29NF	300		—	—
1982-74	160, 185 – Diesel	4D	775		T4-4D	—
1977-74	250, 375 – Diesel	8D	975		T4-8D	T4-4D
1975-74	150	27	410		S4-27	S5515B
1975-74	150 – Diesel	4D	775		T4-4D	—
Generator Sets						
1985-82	25KW, 30KW – Optional	8D	975		T4-8D	T4-4D
1985-82	25KW, 30KW, 45KW	4D	775		T4-4D	—
1985-82	45KW, 50KW – Optional	8D	975		T4-8D	T4-4D
1985-82	50KW, 55KW	4D	775		T4-4D	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
SULLAIR CORPORATION (Continued)						
Generator Sets (Continued)						
1985-82	55KW – Optional	8D	975		T4-8D	T4-4D
1985-80	100KW, 125KW, 150KW	8D	975		T4-8D	T4-4D
1985-80	50KW, 70KW, 75KW	8D	975		T4-8D	T4-4D
1985-80	85KW	8D	975		T4-8D	T4-4D
1985-79	10KW, 15KW, 20KW	3ET	475		—	—
1985-79	25KW, 30KW, 35KW	3ET	475		—	—
1985-79	45KW	3ET	475		—	—
SUPERIOR EQUIPMENT CO.						
Buckeye Ditchers						
1991-90	300G, 403	8D	1115		T4-8D	—
1991-60	310 Super 7, 318	8D	1115		T4-8D	—
1991-60	Hydrostatic, Super H	8D	1115		T4-8D	—
1991-60	Super H+	8D	1115		T4-8D	—
1989-59	300-D – Most other Eng	8D	1115		T4-8D	—
1989-59	300-G – Most other Eng	8D	1115		T4-8D	—
1989-59	400-B – Most other Eng	8D	1115		T4-8D	—
1989-59	403 – Most other Eng	8D	1115		T4-8D	—
1975-59	300-D – Chrysler Eng, IHC Eng, Cont Eng	27	360		S4-27	S5515B
1975-59	300-G – Chrysler Eng, IHC Eng, Cont Eng	27	360		S4-27	S5515B
1975-59	400-B – Chrysler Eng, IHC Eng, Cont Eng	27	360		S4-27	S5515B
1975-59	403 – Chrysler Eng, IHC Eng, Cont Eng	27	360		S4-27	S5515B
T & J INDUSTRIES, INC.						
Mobile Hydraulic Crane						
1984-74	MHC 85	8D	1000		T4-8D	T4-4D
Rail Car Mover & Spotter						
1985-72	SWX20, SWX30, SWX40	4D	850		T4-4D	—
1984	SWX80	31T	500	{148}	T4-31	T4-31+
Rear Dump Haulers						
1985-65	22R, 235R, 240C	8D	1000	{15}	T4-8D	T4-4D
1985-65	245R, 24R, 250C	8D	1000	{15}	T4-8D	T4-4D
1985-65	258C, 258R, 25R	8D	1000	{15}	T4-8D	T4-4D
1985-65	265C	8D	1000	{15}	T4-8D	T4-4D
Shuttle Spotter						
1985-84	SS500	8D	1000		T4-8D	T4-4D
1985-83	SS300 – Optional	31T	500	{148}	T4-31	T4-31+
		4D	850		T4-4D	—
TAMPO MFG. CO.						
Early Models						
1975-64	VP-60 – Cont Eng	2	450		—	—
1975-64	VP-60 – Ford Eng	29NF	290		—	—
1973-67	VC-400, VS-125 – Diesel	8D	860		T4-8D	T4-4D
1973-65	VP-90 – All 6-Volt	2	450		—	—
1973-65	VP-90 – All 12-Volt	29NF	290		—	—
1973-60	VC-80	24	440		S3-24	S4-24
1973-60	VC-80 – All 6-Volt, Wisconsin Eng	2E	500		—	—
1973-60	VC-80 – Deutz 6-Volt	3EE	350		S4535B(31)	—
Pneumatic Road Rollers						
1987-76	SP-312 – Diesel	4D	800		T4-4D	—
1987-76	SP-312HD – Diesel	4D	800		T4-4D	—
1987-76	SP-518 – Diesel	4D	800		T4-4D	—
1986-64	SP-1070 – Diesel	4D	800		T4-4D	—
1986-64	SP-1070 – Diesel, Optional	8D	900		T4-8D	T4-4D
1986-64	SP-1070M – Diesel	4D	800		T4-4D	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL TAMPO MFG. CO. — TENNANT CO.

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
TAMPO MFG. CO. (Continued)						
Pneumatic Road Rollers (Continued)						
1986-64	SP-1070M – Diesel, Optional	8D	900		T4-8D	T4-4D
1986-64	SP-750 – Diesel, Optional	8D	900		T4-8D	T4-4D
1986-64	SP-750, SP-950 – Diesel	4D	800		T4-4D	—
1986-64	SP-950 – Diesel, Optional	8D	900		T4-8D	T4-4D
1977-62	SP-312 – All 12-Volt	29NF	290		—	—
1972-65	SP-518 – All 12-Volt	29NF	290		—	—
1966-57	SP-11 – Diesel	2	550	{15}	—	—
		60	350		S3-24(29)	S3-24F(29)
1965-61	SP-312 – All 6-Volt	2	450		—	—
1965-54	SP-9	1	550	{147}	—	—
Self-Propelled, Vibratory						
1990-73	RH-16A, RH-28D	4D	800		T4-4D	—
1990-73	RP-16D, RP-28D	4D	800		T4-4D	—
1990-73	RP-58, RP-58D, RS-1	4D	800		T4-4D	—
1990-73	RS-156A, RS-16D	4D	800		T4-4D	—
1990-73	RS-28C, RS-28D	4D	800		T4-4D	—
1990-73	RS-58, RS-58D	4D	800		T4-4D	—
1990-72	RS-16 – Diesel	4D	800		T4-4D	—
1990-72	RS-16A	4D	800		T4-4D	—
1986-74	RH-199, RS-188A	8D	1000		T4-8D	T4-4D
1983-76	RS-144A	24	440		S3-24	S4-24
1983-68	RS-210, RS-288A	4D	800		T4-4D	—
1982-81	RS-03	22F	315		S3514B	S3560B
1979-68	RH-48, RP-310, RP-38	8D	860		T4-8D	T4-4D
1979-68	RP-48, RS-210, RS-28	8D	860		T4-8D	T4-4D
1979-68	RS-310, RS-410	8D	860		T4-8D	T4-4D
1977-70	RS-28, RS-28A	4D	660		T4-4D	—
1976-71	RS-16	29NF	290		—	—
Steel 3-Wheel & Tandem, Sheepsfoot						
1974-66	SP-500 – All 12-Volt	8D	860		T4-8D	T4-4D
1969-64	10-Aug – All 12-Volt	29NF	290		—	—
1969-64	8-12 ton – All 12-Volt	29NF	290		—	—
1969-64	8-May – All 12-Volt	29NF	290		—	—
TASKI						
Scrubber						
	Combimat 1500 – 24-volt	903	NR	{173}	—	—
	Combimat 1700 – 24-volt	903	NR	{173}	—	—
	Combimat 1900 – 24-volt	903	NR	{173}	—	—
	Combimat 4000 – 36-volt	903	NR	{178}	—	—
	Combimat 42B – 24-volt	24	NR	{3,15}	—	—
	Combimat 42B – Optional, 24-volt	27	NR	{3,15}	—	—
	Combimat 55 – Optional, 24-volt	24	NR	{3,15}	—	—
	Combimat 55 – 24-volt	921	NR	{15}	—	—
	Combimat 600 – 24-volt	24	NR	{3,15}	—	—
	Combimat 600BMS 24-volt	24	NR	{15,135}	—	—
TENNANT (CASTEX INC.)						
Carpet Maintainer						
	Sentry – 24-volt	921	NR	{15}	—	—
Scrubber						
	Drymatic DR170B – 24-volt	27	NR	{3,15}	—	—
Sweepers						
	SCV-B28 – 24-volt	27	NR	{3,15}	—	—
	Scout 28 – 12-volt	27	NR	{3}	—	—
	Scout 37B – 24-volt	27	NR	{3,15}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
TENNANT (CASTEX INC.) (Continued)						
Vacuum						
	Eagle – 36-volt	921	NR	{181}	—	—
	Max-Trac BWV 3000 24-volt	27	NR	{3,15}	—	—
TENNANT (NOBLES INDUSTRIES INC.)						
Burnishers						
	BR-17 – 24-volt	921	NR	{15}	—	—
	BR-2000 – 24-volt	921	NR	{15}	—	—
	BR-21 – 24-volt	921	NR	{15}	—	—
	BR-2250 – 36-volt	GC2H	NR	{178}	—	—
	BR-2500 – 36-volt	902	NR	{178}	—	—
	BR-2500 – Optional, 36-volt	903	NR	{178}	—	—
	Speed Gleam – 36-volt	921	NR	{181}	—	—
Scrubber						
	265TS, 265XP – 36-volt	GC2H	NR	{178}	—	—
	320 – 36-volt	902	NR	{178}	—	—
	320 – Optional, 36-volt	903	NR	{178}	—	—
	5100 – 24-volt	27	NR	{3,15}	—	—
	AS5400 – 24-volt	GC2	NR	{173}	—	—
	Drymatic 170BR – 24-volt	27	NR	{3,15}	—	—
	Speed Scrub 1701 – 24-volt	30H	NR	{3,15}	—	—
	Speed Scrub 2001 – 24-volt	30H	NR	{3,15}	—	—
	Speed Scrub 2400 – 24-volt	30H	NR	{3,15}	—	—
	Speed Scrub 2401 – 24-volt	921	NR	{15}	—	—
	Speed Scrub 2601 – 24-volt	921	NR	{15}	—	—
	Speed Scrub 2701 – 24-volt	902	NR	{173}	—	—
	Speed Scrub 3301 – 24-volt	902	NR	{173}	—	—
	Speed Scrub 5300T 24-volt	921	NR	{15}	—	—
Scrubbers/Burnishers						
	201 Scrubbisher – Optional, 36-volt	902	NR	{178}	—	—
		903	NR	{178}	—	—
	201 Scrubbisher – 36-volt	GC2H	NR	{178}	—	—
Vacuum						
	Typhoon – 24-volt	27	NR	{3,15}	—	—
	Typhoon – Optional, 24-volt	30H	NR	{3,15}	—	—
TENNANT CO.						
Concrete Groover						
1983-64	Model G	1	450		—	—
Scarifiers						
1983-66	2-R, L-2	24	280		S3-24	S4-24
1983-64	K-4	U1	220		—	—
1968-64	L, R	1	450		—	—
Scrubbers						
1983-78	432 – Heavy Duty	GC2	NA	{178}	—	—
1983-78	432 – Standard	GC2	NA	{178}	—	—
1983-75	520, 527, 550	24	280		S3-24	S4-24
Sweepers						
1983-81	717, Trailblazer	24	280		S3-24	S4-24
1983-70	210, 220, 240, 250	24	280		S3-24	S4-24
1983-70	260, 265, 280, 520	24	280		S3-24	S4-24
1983-70	525, 550, 92	24	280		S3-24	S4-24
1983-64	42, T-42, T-42HD	U1	220		—	—
1983-64	T-100, T-53, T-85	24	280		S3-24	S4-24
1983-64	T-86, T-88, T-90	24	280		S3-24	S4-24
1983-64	T-91	24	280		S3-24	S4-24

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INDUSTRIAL

TENNANT COMPANY — TEREX CORP. (GENIE)

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
TENNANT COMPANY						
Carpet Extractors						
	Boss 2000B – 36–volt	GC2	NR	{178}	—	—
	Concorde – 36–volt	921	NR	{181}	—	—
	Falcon Ultra – 24–volt	921	NR	{15}	—	—
Scrubber						
	1465, 1480 – 36–volt	GC2	NR	{178}	—	—
	1490, 426 HD – 36–volt	902	NR	{178}	—	—
	426 ST – 36–volt	GC2	NR	{178}	—	—
	426 ST – Optional, 36–volt	GC2H	NR	{178}	—	—
	432 HD, 480EE – 36–volt	902	NR	{178}	—	—
	432 ST – Optional, 36–volt	GC2H	NR	{178}	—	—
	432 ST, 465 – 36–volt	GC2	NR	{178}	—	—
	443 – 24–volt	27	NR	{3,15}	—	—
	450E – 24–volt	GC2	NR	{173}	—	—
	480, 5700 ST – 36–volt	GC2	NR	{178}	—	—
	515E – 36–volt	NA	NR	{133}	—	—
	5700 HD – 36–volt	902	NR	{178}	—	—
	6100E – 36–volt	GC2	NR	{178}	—	—
	7200 HD – 36–volt	902	NR	{178}	—	—
	7200 ST – 36–volt	GC2	NR	{178}	—	—
Sweepers						
	1186E, 1186EE – 24–volt	920	NR	{15}	—	—
	140, 140E – 24–volt	27	NR	{3,15}	—	—
	141E – 24–volt	27	NR	{3,15}	—	—
	186E, 210 HD – 36–volt	902	NR	{178}	—	—
	186E, 210 HD – 24–volt	920	NR	{15}	—	—
	210E – Optional, 36–volt	GC2H	NR	{178}	—	—
	210E, 215E HD – 36–volt	GC2	NR	{178}	—	—
	215E HD – Optional, 36–volt	902	NR	{178}	—	—
	215E ST – Optional, 36–volt	902	NR	{178}	—	—
	215E ST – 36–volt	GC2	NR	{178}	—	—
	235E ST, 6400 – 36–volt	903	NR	{178}	—	—
	42E, 42EE – 24–volt	920	NR	{15}	—	—
	42EH, 42HD – 24–volt	920	NR	{15}	—	—
	510E – 36–volt	NA	NR	{133}	—	—
	510E – Optional, 36–volt	NA	NR	{133,181}	—	—
	6080 HD – 24–volt	921	NR	{15}	—	—
	6080 ST – 24–volt	30H	NR	{3,15}	—	—
Sweepers, Scrubbers						
	240, 240E – 36–volt	NA	NR	{15,133}	—	—
	240EE, 242 – 36–volt	NA	NR	{15,133}	—	—
	530E, 540E – 36–volt	NA	NR	{15,133}	—	—
	8010E – 36–volt	NA	NR	{133}	—	—
TENNANT TREND						
Floor Machines						
	170B – 24–volt	27	NR	{3,15}	—	—
	S–200 – Optional, 36–volt	902	NR	{178}	—	—
		903	NR	{178}	—	—
	S–200, S260 – 36–volt	GC2	NR	{178}	—	—
	S260XP, S261 – 36–volt	GC2	NR	{178}	—	—
	S262 – 36–volt	GC2	NR	{178}	—	—
	Servomatic 32 – 36–volt	902	NR	{178}	—	—
	Servomatic 320 – 36–volt	902	NR	{178}	—	—
	Servomatic 320 – Optional, 36–volt	GC2	NR	{178}	—	—
TEREX CORP. (GENIE)						
Articulating						
	2034, TA33 – 24–volt	GC2	NR	{173}	—	—
	2548, 32/21E – 48–volt	GC2	NR	{320}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
TEREX CORP. (GENIE) (Continued)						
Articulating (Continued)						
	32/21N – 48–volt	GC2	NR	{320}	—	—
	41/24E – 48–volt	GC2	NR	{320}	—	—
	41/24N – 48–volt	GC2	NR	{320}	—	—
	TA30N – 48–volt	903	NR	{320}	—	—
	TA34, TA40 – 24–volt	GC2	NR	{173}	—	—
	TA50E – 24–volt	GC2	NR	{173}	—	—
	TS19, TS20 – 24–volt	901	NR	{173}	—	—
	TS20W, TS26 – 24–volt	901	NR	{173}	—	—
	TS26W, TS30 – 24–volt	901	NR	{173}	—	—
Boom Lifts						
	2034, TA33 – 24–volt	GC2	NR	{173}	—	—
	2548, 32/21E – 48–volt	GC2	NR	{320}	—	—
	32/21N – 48–volt	GC2	NR	{320}	—	—
	41/24E – 48–volt	GC2	NR	{320}	—	—
	41/24N – 48–volt	GC2	NR	{320}	—	—
	TA30N – 48–volt	903	NR	{320}	—	—
	TA34, TA40 – 24–volt	GC2	NR	{173}	—	—
	TA50E – 24–volt	GC2	NR	{173}	—	—
	TS19, TS20 – 24–volt	901	NR	{173}	—	—
	TS20W, TS26 – 24–volt	901	NR	{173}	—	—
	TS26W, TS30 – 24–volt	901	NR	{173}	—	—
	Z–20/8 – 48–volt	GC2	NR	{320}	—	—
	Z–20/8N – 48–volt	GC2	NR	{320}	—	—
	Z–25/8 – 48–volt	GC2	NR	{320}	—	—
	Z–30/20 – 48–volt	903	NR	{320}	—	—
	Z–30/20 HD – 36–volt	GC2	NR	{178}	—	—
	Z–34/22 – 48–volt	902	NR	{320}	—	—
	Z–45/22 – 48–volt	901	NR	{320}	—	—
	Z–45/22 DC – 48–volt	901	NR	{320}	—	—
	Z–45/22 GP – 48–volt	901	NR	{320}	—	—
	Z–45/25 – 48–volt	903	NR	{320}	—	—
	Z–45/25 DC – 48–volt	903	NR	{320}	—	—
	Z–45/25J DC – 48–volt	903	NR	{320}	—	—
	Z30/20N – 48–volt	903	NR	{320}	—	—
	Z30/20NRJ – 48–volt	903	NR	{320}	—	—
	Z33/18 – 48–volt	902	NR	{320}	—	—
	Z34/22 BE – 48–volt	902	NR	{320}	—	—
	Z34/22 DC – 48–volt	902	NR	{320}	—	—
	Z34/22N – 48–volt	902	NR	{320}	—	—
	Z40/23N – 48–volt	902	NR	{320}	—	—
	Z40/23N RJ – 48–volt	902	NR	{320}	—	—
	Z45/25J BE – 48–volt	902	NR	{320}	—	—
	Z60/37DC – 48–volt	903	NR	{320}	—	—
Scissor Lifts						
	GS–1530 – 24–volt	GC2	NR	{173}	—	—
	GS–1930 – 24–volt	GC2	NR	{173}	—	—
	GS–2032 – 24–volt	GC2	NR	{173}	—	—
	GS–2046 – 24–volt	GC2	NR	{173}	—	—
	GS–2632 – 24–volt	GC2	NR	{173}	—	—
	GS–2646 – 24–volt	GC2	NR	{173}	—	—
	GS–2646 AV – 24–volt	GC2	NR	{173}	—	—
	GS–2668DC – 48–volt	GC2	NR	{320}	—	—
	GS–2669 DC – 48–volt	GC2	NR	{320}	—	—
	GS–2669BE Hybrid 48–volt	GC2	NR	{320}	—	—
	GS–30, GS–32 – 24–volt	GC2	NR	{173}	—	—
	GS–3232 – 24–volt	GC2	NR	{173}	—	—
	GS–3246 – 24–volt	GC2	NR	{173}	—	—
	GS–3246 AV – 24–volt	GC2	NR	{173}	—	—
	GS–3268DC – 48–volt	GC2	NR	{320}	—	—

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INDUSTRIAL

TEREX CORP. (GENIE) — THE JAEGER MACHINE CO.

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
TEREX CORP. (GENIE) (Continued)						
Scissor Lifts (Continued)						
	GS-3369 DC – 48-volt	GC2	NR	{320}	—	—
	GS-3369BE Hybrid 48-volt	GC2	NR	{320}	—	—
	GS-4047 – 48-volt	NA	NR	{173}	—	—
	GS-4069 DC – 48-volt	902	NR	{320}	—	—
	GS-4069BE Hybrid 48-volt	GC2H	NR	{320}	—	—
	GS-46, X-14 – 24-volt	GC2	NR	{173}	—	—
	X2032 – 24-volt	GC2	NR	{173}	—	—
Trailer Mounted						
	TMZ-34/19 – 24-volt	GC2	NR	{173}	—	—
	TMZ-50/30 – 24-volt	GC2H	NR	{173}	—	—
	TZ-34/20 – 24-volt	GC2	NR	{173}	—	—
	TZ-50 – 24-volt	GC2	NR	{173}	—	—
Vertical Mast Lifts						
	GR-12, GR-15 – 24-volt	GC2	NR	{173}	—	—
	GR-16, GR-20 – 24-volt	GC2	NR	{173}	—	—
	GR-8, GRC-12 – 24-volt	GC2	NR	{173}	—	—
	QS-12, QS-15 – 24-volt	GC2	NR	{173}	—	—
	QS-20 – 24-volt	GC2	NR	{173}	—	—
TEREX CORPORATION						
Articulated Haulers						
1998-84	All	4D	760	{15}	T4-4D	—
Backhoe Loaders						
2002	TX760	78	875	{149}	—	—
Crawlers						
1998-84	D800	8D	935	{15}	T4-8D	T4-4D
1983-75	82-20	30H	490	{173}	T4-31P	T4-31P+
1983-75	82-30B, 82-50	8D	935	{15}	T4-8D	T4-4D
Haulers						
1998-84	3305B, TR34/40/45/60	4D	760	{15}	T4-4D	—
1998-84	3307/09 – All w/Air start	30H	490	{15}	T4-31P	T4-31P+
1998-84	33100/100B, 3310F	8D	935	{148}	T4-8D	T4-4D
1998-84	3311C/D	30H	490	{15}	T4-31P	T4-31P+
1998-84	3311D/E, TR100	8D	935	{148}	T4-8D	T4-4D
1983-73	Air start	30H	490	{15}	T4-31P	T4-31P+
1983-58	All – Electric Start	8D	935	{148}	T4-8D	T4-4D
1973-58	Air start	4D	760		T4-4D	—
Loaders						
1998-84	7220, 90C	8D	935		T4-8D	T4-4D
1998-58	72-31B	4D	760	{15,168}	T4-4D	—
1998-58	All – All w/Air start	4D	760	{15,168}	T4-4D	—
1983-79	72-21B	30H	490	{148}	T4-31P	T4-31P+
1983-75	Exc. 72-21B	8D	935	{15}	T4-8D	T4-4D
1983-75	Exc. 72-31B	8D	935	{15}	T4-8D	T4-4D
1975-58	All	8D	935	{147,167}	T4-8D	T4-4D
Scrapers						
1998-84	S-24B, S-24C, TS-24C	8D	935	{15}	T4-8D	T4-4D
1998-84	TS-24D	8D	935	{15}	T4-8D	T4-4D
1998-76	TS-14B, TS-14C	4D	760	{15}	T4-4D	—
1998-76	TS-14D, TS-14DII	4D	760	{15}	T4-4D	—
1998-76	TS-14F	4D	760	{15}	T4-4D	—
1983-71	S-11E, TS-14, TS-14B	4D	760	{147}	T4-4D	—
1983-71	S-24, TS-24, TS-32	8D	935	{148}	T4-8D	T4-4D
1983-71	TS-32B	8D	935	{148}	T4-8D	T4-4D

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
TG INDUSTRIES (ARMLIFT DIVISION)						
Aerial Lifts, Trailer Mounted						
	29DC, 33DC – 12-volt	GC2	NR	{147}	—	—
	34DC, A-32DC – 12-volt	GC2	NR	{147}	—	—
	A-36DC – 12-volt	GC2	NR	{147}	—	—
	A-38DC – 12-volt	GC2	NR	{147}	—	—
	A-TEL Series – 12-volt	GC2	NR	{147}	—	—
THE CHARLES MACHINE WORKS, INC.						
DITCHWITCH						
Ditchwitch Trenchers						
	1999-94 PP70 – Turbo	30H	700		T4-31P+	T6-31P
	1999-91 6520, 7020, 7520	34	650		S4521B	S5521B
	1999-91 8020	34	650		S4521B	S5521B
	1994-91 4500, 5110	26R	525		S3514B	S6523B
	1994-78 1500, 1620, 1820	22F	335		S3514B	S3560B
	1994-77 2020, 2200, 2300	22F	250		S3514B	S3560B
	1994-77 2310, 3210	22F	250		S3514B	S3560B
	1993-91 5020	34	650		S4521B	S5521B
	1993-91 PP50	26R	525		S3514B	S6523B
	1993-89 3500, 3610	26	675		S4560B(32)	S5560B(32)
	1993-88 HT-100	31T	925		T4-31+	T6-31
	1993-86 7510	30H	520		T4-31P	T4-31P+
	1993-79 1410, 1420, 1620	U1	200		—	—
	1993-79 1810	U1	200		—	—
	1993-79 6510	24	315		S3-24	S4-24
	1993-79 6510 – Optional	30H	520		T4-31P	T4-31P+
	1993-75 R-100	5D	865	{15}	—	—
	1993-73 C Series – Optional	22F	250		S3514B	S3560B
	1993-73 C Series, PP16	U1	200		—	—
	1993-73 PP16 – Optional	22F	250		S3514B	S3560B
	1993-73 Power Pack – Optional	22F	250		S3514B	S3560B
		U1	200		—	—
	1991-80 3210DD, 4010 – Optional	31A	520		T4-31P	T4-31P+
	1991-80 3210DD, 4010, 5010	30H	470		T4-31P	T4-31P+
	1991-80 5010 – Optional	31A	520		T4-31P	T4-31P+
	1981-67 R-40, R-60, R-65	24	470	{15}	S3-24	S4-24
	1981-64 H Series, M Series	22F	250		S3514B	S3560B
	1981-64 R-30	22F	250		S3514B	S3560B
	1980-74 R-30D	24	315		S3-24	S4-24
	1980-64 J-20, V30	22F	250		S3514B	S3560B
	1977-75 R-200	8D	900		T4-8D	T4-4D
	1964-59 J4, K3, V4	22NF	250		S4536B	S5-51R
Loaders						
	1989-84 1025SK	31A	520		T4-31P	T4-31P+
	1989-84 1025SK – Optional	31A	925		T4-31P+	T6-31P
Self-Propelled Vibratory Plow						
	1999-93 400SX, 410SX	26R	525		S3514B	S6523B
	1993-83 255SX, V-252	U1	150		—	—
	1993-82 350SX	24	315		S3-24	S4-24
	1993-82 350SX – Optional	31A	520		T4-31P	T4-31P+
	1980-70 VP-12 – Optional	22F	250		S3514B	S3560B
		U1	200		—	—
THE JAEGER MACHINE CO.						
Portable Air Compressors Reciprocating Type						
	1964-44 105, 125	2	630		—	—
	1956-50 S.N. C-19633 and later	27	375		S4-27	S5515B
	1956-44 160, 185 – Optional	7D	880		—	—
	1956-44 160, 185, 210, 250	3	690	{147}	—	—
	1956-44 210, 250 – Optional	7D	880		—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

THE JAEGER MACHINE CO. — THEW-LORAIN

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
THE JAEGER MACHINE CO. (Continued)						
Portable Air Compressors Reciprocating Type (Continued)						
1952-50	75 from S.N. C-7623 to C-19632	1	525		—	—
1951-45	60	2E	525		—	—
1951-45	75 to S.N. C-7622	2E	525		—	—
1950-47	315, 365 – Optional	8D	900	{15}	T4-8D	T4-4D
1950-47	315, 365, 600	4	800	{15}	—	—
1950-47	600 – Optional	8D	900	{15}	T4-8D	T4-4D
Single Stage						
1978-62	365, 600, 900	8D	900	{147}	T4-8D	T4-4D
1978-62	DS-175, DS-750	8D	900	{147}	T4-8D	T4-4D
1978-61	GS-175	27	390		S4-27	S5515B
1978-57	125, 75, 85, GS175	24	400		S3-24	S4-24
1978-57	GV-160E	24	400		S3-24	S4-24
1972-71	G-2300	27	400	{15}	S4-27	S5515B
1972-71	GV-175 – D-2300	2	650	{15}	—	—
1960-57	75 – Optional	1	550		—	—
Two Stage						
1978-62	250 – Cont B-427 Eng	4D	800		T4-4D	—
1978-62	250 – Optional	7D	880		—	—
1978-62	DD Eng, Ford – Diesel	6D	800		T4-4D	—
1978-62	F-226-7, G-193 Eng	24	400		S3-24	S4-24
1978-62	HD-260	7D	880	{15}	—	—
1968-61	125	2	650	{147}	—	—
1968-61	125 – Optional	24	315		S3-24	S4-24
		27	390		S4-27	S5515B
		7D	880	{15}	—	—
1968-61	150 – Ford Diesel	2	650	{147}	—	—
1968-61	150 – Ford Diesel Optional	24	315		S3-24	S4-24
		27	390		S4-27	S5515B
		7D	880	{15}	—	—
1968-61	DD2-53	2	650	{147}	—	—
1968-61	DD2-53 – Optional	24	315		S3-24	S4-24
		27	390		S4-27	S5515B
		7D	880	{15}	—	—
1967-55	365, 600, 900	8D	900	{147}	T4-8D	T4-4D
THEW-LORAIN						
Crawler Machines						
1966-65	L-26-K3 – GM 3-71 Eng	7D	880		—	—
1966-65	L-36 Pipeliner	8D	975		T4-8D	T4-4D
1966-59	L-775, L-820A, L-86	8D	975	{147}	T4-8D	T4-4D
1966-58	L-26 – DD 3-71 Eng	7D	900	{15}	—	—
1966-58	L-36 – Waukeska Eng	4	825	{15}	—	—
1966-58	L-36 – Cat. Eng, Cummins, DD Eng	8D	975	{147}	T4-8D	T4-4D
1966-58	L-51 – Waukeska Eng	4	825	{15}	—	—
1966-58	L-51 – Cat. Eng, Cummins, DD Eng	8D	975	{147}	T4-8D	T4-4D
1966-58	L-56 – Waukeska Eng	4	825	{15}	—	—
1966-58	L-56 – Cat. Eng, Cummins, DD Eng	8D	975	{147}	T4-8D	T4-4D
1966-58	L-72 – Cat D326 Eng	2	650		—	—
1966-58	L-72 – w/DD 6-71N	8D	975		T4-8D	T4-4D
1966-52	L-26 – Waukeska, Cat. Eng	2	650	{147}	—	—
1966-52	L-50 – Waukeska, Cat. Eng	2	650	{147}	—	—
1966-52	L-50 – DD 3-71 Eng	8D	975		T4-8D	T4-4D
1961-59	L-85 – Other Engs	8D	975	{15}	T4-8D	T4-4D
1961-59	L-85, L-85A – Cat. Eng	2	650		—	—
1961-59	L-85A – Other Engs	8D	975	{15}	T4-8D	T4-4D

		O.E. BCI NO.	CCA @ 0°F			Replacement Options
YEAR	DESCRIPTION			Notes	Option 1	Option 2
THEW-LORAIN (Continued)						
Crawler Shovel-Crane						
1966-64	Lorain 51	4	825	{15}	—	—
Front End Loaders						
1966-63	ML-200 – Cont Eng	1	525	{15}	—	—
1966-63	ML-200 – Cummins, DD Eng	7D	900	{15}	—	—
1966-63	ML-225 – Cont Eng	1	525	{15}	—	—
1966-63	ML-225 – Cummins, DD Eng	7D	900	{15}	—	—
1966-63	ML-250 – Cont Eng	1	525	{15}	—	—
1966-63	ML-250 – Cummins, DD Eng	7D	900	{15}	—	—
1966-63	ML-275 – Cont Eng	1	525	{15}	—	—
1966-63	ML-275 – Cummins, DD Eng	7D	900	{15}	—	—
1966-60	ML-307, ML-325	8D	975	{147}	T4-8D	T4-4D
Moto-Cranes, Rubber Tires w/ Two Engines						
1967-59	501D, 501PD, 502D	30H	500		T4-31P	T4-31P+
1967-59	502PD, 601PD	30H	500		T4-31P	T4-31P+
1967-56	540D, 600D	4D	800		T4-4D	—
1967-54	501, 501P, 502, 502P	24	410		S3-24	S4-24
1967-54	510P, 540, 590, 600	24	410		S3-24	S4-24
1967-54	600P, 601P	24	410		S3-24	S4-24
1966-64	MC-320 – Waukeska Eng	4	825	{15}	—	—
1966-64	MC-320 – Other Engs	8D	975	{147}	T4-8D	T4-4D
1966-64	MC-325 – Waukeska Eng	4	825	{15}	—	—
1966-64	MC-325 – Other Engs	8D	975	{147}	T4-8D	T4-4D
1966-64	MC-330 – Waukeska Eng	4	825	{15}	—	—
1966-64	MC-330 – Other Engs	8D	975	{147}	T4-8D	T4-4D
1966-63	MC-540 – Waukeska Eng	4	825	{15}	—	—
1966-63	MC-540A – Waukeska Eng	4	825	{15}	—	—
1966-63	MC-545 – Waukeska Eng	4	825	{15}	—	—
1966-63	MC-550 – Waukeska Eng	4	825	{15}	—	—
1966-59	MC-760, MC-760A	8D	975	{147}	T4-8D	T4-4D
1966-59	MC-770, MC-775	8D	975	{147}	T4-8D	T4-4D
1966-59	MC-794, MC-9115	8D	975	{147}	T4-8D	T4-4D
1966-59	SP-107 – Cont GD157 & Ford 172 Eng	1	525	{147}	—	—
1966-59	SP-107 – Fordomatic Trans	4D	800		T4-4D	—
1966-59	SP-107 – Other Engs	7D	900	{15}	—	—
1966-59	SP-108A – Ford 220 Eng	4D	800		T4-4D	—
1966-59	SP-108A – Cont F-186 Eng	7D	900	{15}	—	—
1966-55	MC-530 – Other Engs	8D	975	{147}	T4-8D	T4-4D
1966-55	MC-530W – Other Engs	8D	975	{147}	T4-8D	T4-4D
1966-55	MC-540 – Other Engs	8D	975	{147}	T4-8D	T4-4D
1966-55	MC-540A – Other Engs	8D	975	{147}	T4-8D	T4-4D
1966-55	MC-545 – Other Engs	8D	975	{147}	T4-8D	T4-4D
1966-55	MC-550 – Other Engs	8D	975	{147}	T4-8D	T4-4D
1966-55	SP-350 – Waukeska Eng	2	650	{15}	—	—
1966-55	SP-350 – Cummins	4	825	{15}	—	—
1966-55	SP-350 – Other Engs	8D	975	{147}	T4-8D	T4-4D
1966-55	SP-425 – Waukeska Eng	2	650	{15}	—	—
1966-55	SP-425 – Cummins	4	825	{15}	—	—
1966-55	SP-425 – Other Engs	8D	975	{147}	T4-8D	T4-4D
1966-55	SP-530W – Waukeska Eng	2	650	{15}	—	—
1966-55	SP-530W – Cummins	4	825	{15}	—	—
1966-55	SP-530W – Other Engs	8D	975	{147}	T4-8D	T4-4D
1966-52	MC-254 – Other Engs	2	650	{147}	—	—
1966-52	MC-254W – Other Engs	2	650	{147}	—	—
1966-52	SP-254 – Other Engs	2	650	{147}	—	—
1966-52	SP-254 – DD Eng	7D	900	{15}	—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL THEW-LORAIN — TIME CONDOR

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
THEW-LORAIN (Continued)						
Moto-Cranes, Rubber Tires w/ Two Engines (Continued)						
1966-52	SP-254W – Other Engs	2	650	{147}	—	—
1966-52	SP-254W – DD Eng	7D	900	{15}	—	—
1965-56	MC-107 – Cont Eng	1	525	{147}	—	—
1965-56	MC-107 – Ford Eng	24	325		S3-24	S4-24
1965-56	MC-107 – Cummins	7D	900	{15}	—	—
1965-56	Series 4-5 models Optional, Waukeska Eng	2	660	{147}	—	—
1965-56	Series 4-5 models – Cat D318G & D-330 Eng	8D	900	{15}	T4-8D	T4-4D
1965-52	MC-254 – DD Eng	7D	900	{15}	—	—
1965-52	MC-254W – DD Eng	7D	900	{15}	—	—
1961-56	MC-100 – Ford 272 Eng	24	325		S3-24	S4-24
1961-56	MC-100 – DD 2-71 Eng	7D	900	{15}	—	—
1961-56	MC-110 – Ford 223 & 254 Eng	2	650		—	—
1961-56	MC-530 – Waukeska Eng	2	650	{147}	—	—
1961-56	MC-530W – Waukeska Eng	2	650	{147}	—	—
1961-56	SP-100 – Ford 223 Eng	8D	975		T4-8D	T4-4D
1961-53	MC-424 – Optional, Waukeska Eng	2	650	{147}	—	—
1961-53	MC-424 – Waukeska Eng	4	825	{15}	—	—
1961-53	MC-424 – DD Eng	8D	975		T4-8D	T4-4D
1961-53	MC-424W – Optional, Waukeska Eng	2	650	{147}	—	—
1961-53	MC-424W – Waukeska Eng	4	825	{15}	—	—
1961-53	MC-424W – DD Eng	8D	975		T4-8D	T4-4D
1961-53	MC-425 – Optional, Waukeska Eng	2	650	{147}	—	—
1961-53	MC-425 – Waukeska Eng	4	825	{15}	—	—
1961-53	MC-425 – DD Eng	8D	975		T4-8D	T4-4D
1961-53	MC-425W – Optional, Waukeska Eng	2	650	{147}	—	—
1961-53	MC-425W – Waukeska Eng	4	825	{15}	—	—
1961-53	MC-425W – DD Eng	8D	975		T4-8D	T4-4D
1961-53	MC-425WL – Optional, Waukeska Eng	2	650	{147}	—	—
1961-53	MC-425WL – Waukeska Eng	4	825	{15}	—	—
1961-53	MC-425WL – DD Eng	8D	975		T4-8D	T4-4D
1960-59	MC-430	4	825	{15}	—	—
THOMAS EQUIPMENT, LTD.						
Loaders						
1959-58	180	27	710		S5515B	S5507B
1959-58	Bankout	30H	600		T4-31P	T4-31P+
Screener						
2007-02	400, 900	34	730		S5521B	S6521B
2007-02	Screener 300	34	730		S5521B	S6521B
Skid Steer						
2008-02	105, 137, 153, 155	34	730		S5521B	S6521B
2008-02	1700, 175, 205, 250	34	730		S5521B	S6521B
2008-02	255, 35DT, 85	34	730		S5521B	S6521B
2008-02	Pro 1300	34	730		S5521B	S6521B
2007-06	1300, 1300/1700	34	730		S5521B	S6521B
2007-06	1460, 1960	34	730		S5521B	S6521B
2007-02	25G, 25GT	34	235		S3-34	S4521B
1994-81	T173HL, T173K	30H	625		T4-31P	T4-31P+
1994-78	T173P, T183HD	30H	625		T4-31P	T4-31P+
1994-78	T203HD, T233HD	30H	625		T4-31P	T4-31P+
1994-78	T233K, T233P	30H	625		T4-31P	T4-31P+
1994-77	T103, T132, T133	24	590		S4-24	S5507B

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
THOMAS EQUIPMENT, LTD. (Continued)						
Skid Steer (Continued)						
1994-77	T81, T82, T83	24	590		S4-24	S5507B
1994	T1335, T835	74	600		S4563B	S5563B
1994	T173HLS	34/78	720		S5563B	S5564B
1983-77	1210, 1220, T1230	24	440		S3-24	S4-24
1983-77	T171, T172, T231	24	440		S3-24	S4-24
1983-77	T232	24	440		S3-24	S4-24
TIME CONDOR						
Articulating						
	A28 – Optional – 48–volt	901	NR	{320}	—	—
	A28, A32J – 48–volt	GC2	NR	{320}	—	—
	A32J – Optional – 48–volt	901	NR	{320}	—	—
		GC2H	NR	{320}	—	—
	A38, A42J – 48–volt	GC2	NR	{320}	—	—
	A39 – 48–volt	GC2H	NR	{320}	—	—
	A40 – 48–volt	901	NR	{320}	—	—
	A41E – 72–volt	903	NR	{321}	—	—
	A42J – Optional – 48–volt	901	NR	{320}	—	—
		GC2H	NR	{320}	—	—
Boom Lifts						
	A28, A32J – 48–volt	GC2	NR	{320}	—	—
	A38, A42J – 48–volt	GC2	NR	{320}	—	—
	A39 – 48–volt	GC2H	NR	{320}	—	—
	A40 – 48–volt	901	NR	{320}	—	—
	A41E – 72–volt	903	NR	{321}	—	—
	T62, T72 – 12–volt	27	NR	{3}	—	—
Scissor Lifts						
	2633 – Optional – 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	2633, V – 24–volt	GC2	NR	{173}	—	—
	V1433 – 24–volt	GC2	NR	{173}	—	—
	V1433 – Optional – 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V1433XL – 24–volt	GC2	NR	{173}	—	—
	V1433XL – Optional 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V1833 – 24–volt	GC2	NR	{173}	—	—
	V1833 – Optional – 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V1833XL – 24–volt	GC2	NR	{173}	—	—
	V1833XL – Optional 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V1932 – Optional – 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V1932, V1948 – 24–volt	GC2	NR	{173}	—	—
	V1948 – Optional – 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V2033 – 24–volt	GC2	NR	{173}	—	—
	V2033 – Optional – 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V2033XL – 24–volt	GC2	NR	{173}	—	—
	V2033XL – Optional 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V2048 – 24–volt	GC2	NR	{173}	—	—
	V2048 – Optional – 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V2048XL – 24–volt	GC2	NR	{173}	—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL TIME CONDOR — TOWMOTOR

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
TIME CONDOR (Continued)						
Scissor Lifts (Continued)						
	V2048XL – Optional 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V2053 – 24–volt	GC2	NR	{173}	—	—
	V2053 – Optional – 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V2053XL – 24–volt	GC2	NR	{173}	—	—
	V2053XL – Optional 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V2648 – 24–volt	GC2	NR	{173}	—	—
	V2648 – Optional – 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V2648XL – 24–volt	GC2	NR	{173}	—	—
	V2648XL – Optional 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V2653 – 24–volt	GC2	NR	{173}	—	—
	V2653 – Optional – 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V2653XL – 24–volt	GC2	NR	{173}	—	—
	V2653XL – Optional 24–volt	901	NR	{173}	—	—
		GC2H	NR	{173}	—	—
	V3287E – 72–volt	903	NR	{321}	—	—
	V4287E – 72–volt	903	NR	{321}	—	—
TODCO DIVISION						
WATSON						
E Lift Gate Models						
With Independent Trailer						
	1987-68 LST, SL, ST, TT, TWL	8D	900		T4-8D	T4-4D
	1987-68 VL, WT	8D	900		T4-8D	T4-4D
	1967-63 Hide-A-Lift	8D	900		T4-8D	T4-4D
	1967-63 Weightlifter	8D	900		T4-8D	T4-4D
TOMCAT						
Burnishers						
	255, 295, 335 – 36–volt	903	NR	{178}	—	—
	270 – 36–volt	921	NR	{181}	—	—
Scrubber						
	2100, 2300 – 24–volt	921	NR	{15}	—	—
	2600, 2800 – 24–volt	921	NR	{15}	—	—
	CARBON Floor Scrubber Dryer – 24–volt	921	NR	{15}	—	—
	GTX – 36–volt	901	NR	{178}	—	—
	HERO – 24–volt	902	NR	{173}	—	—
	Magnum – 24–volt	901	NR	{173}	—	—
	MicroMag – 24–volt	24	NR	{15}	—	—
	SPORT Floor Scrubber Dryer – 24–volt	GC12	NR	{15,80}	—	—
	XR – 36–volt	903	NR	{178}	—	—
Sweeper						
	297 – 24–volt	903	NR	{173}	—	—
	3300 – 12–volt	921	NR		—	—
	4700 – 24–volt	921	NR	{179}	—	—
	TR – 24–volt	901	NR	{173}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
TORNADO						
Burnishers						
	Floor Glazer 2000B 36-volt	921	NR	{181}	—	—
	Floor Glazer 2500B 36-volt	921	NR	{181}	—	—
Scrubber						
	105A, 125A – 24-volt	920	NR	{15}	—	—
	105B, 125B – 24-volt	GC2	NR	{173}	—	—
	130A – 24-volt	920	NR	{15}	—	—
	130B – 24-volt	GC2	NR	{173}	—	—
	307A, 307B – 36-volt	921	NR	{181}	—	—
	321A, 321B – 36-volt	921	NR	{181}	—	—
	3500 – 24-volt	921	NR	{15}	—	—
	351A, 351B – 36-volt	921	NR	{181}	—	—
	3800, 407A – 36-volt	921	NR	{181}	—	—
	407B, 421A – 36-volt	921	NR	{181}	—	—
	421B, 451A – 36-volt	921	NR	{181}	—	—
	421C, 451C – 36-volt	902	NR	{178}	—	—
	451B, 9300 – 36-volt	921	NR	{181}	—	—
	9400 – Optional, 36-volt	920	NR	{181}	—	—
	9400 – 36-volt	921	NR	{181}	—	—
	9400 – Optional, 36-volt	GC2	NR	{178}	—	—
	Floorkeeper EZ20 – 24-volt	920	NR	{15}	—	—
	Floorkeeper EZ20 Optional, 24-volt	GC2H	NR	{173}	—	—
	Floorkeeper EZ20BD 24-volt	920	NR	{15}	—	—
	Floorkeeper EZ20BD Optional, 24-volt	GC2H	NR	{173}	—	—
	Floorkeeper EZ24 – 24-volt	920	NR	{15}	—	—
	Floorkeeper EZ24 Optional, 24-volt	GC2H	NR	{173}	—	—
Long-Range						
	Floorkeeper 24 or 28 36-volt	921	NR	{181}	—	—
	Floorkeeper 32 or 36 36-volt	921	NR	{181}	—	—
Mid-Range						
	Floorkeeper 26 or 33 36-volt	921	NR	{181}	—	—
TOWMOTOR						
Lift Trucks						
	1971-59 461D, 462D, 502	30H	475		T4-31P	T4-31P+
	1971-59 500, 500P, 510P	24	325		S3-24	S4-24
	1971-59 502D, 601PD, V30D	30H	475		T4-31P	T4-31P+
	1971-59 511P, 540, 600, 601P	24	325		S3-24	S4-24
	1971-59 670, 680P, 680SPL	24	325		S3-24	S4-24
	1971-59 750, 760P, 850, 860P	24	325		S3-24	S4-24
	1971-59 900, 950, 960P	24	325		S3-24	S4-24
	1971-59 V40D, V50D	30H	475		T4-31P	T4-31P+
	1971-58 540D, 600D, 670D	4D	825		T4-4D	—
	1971-58 680PD, V41D, V51D	4D	825		T4-4D	—
	1971-58 V60D	4D	825		T4-4D	—
	1971-57 35, 350, 351, 391	24	325		S3-24	S4-24
	1971-57 392, 421, 422, 462	24	325		S3-24	S4-24
	1971-57 502	24	325		S3-24	S4-24
	1970-60 K-5, T-30 thru T-60	24	325		S3-24	S4-24
	1970-60 V-30 thru V-60	24	325		S3-24	S4-24
	1969-59 400P, 410, 411, 440	29NF	300		—	—
	1969-59 441	29NF	300		—	—
	1966-40 50, 55, 60, 62, 680P	3	690		—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL TOWMOTOR — UPRIGHT

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
TOWMOTOR (Continued)						
Lift Trucks (Continued)						
1966-40	680SPL, 72, 90, K-5	3	690		—	—
TOYOTA MOTOR CORPORATION						
Forklift						
	42-5FG25	24F	440		S3-24F	S4-24F
	42-6FGU25	35	390		S4523B	S5523B
TREE FARMER EQUIPMENT CO., INC.						
Includes Hawker Siddeley Canada Inc.						
Feller Bunchers & Skidders						
1986-72	C4D, C5D, C6D, C6E	30H	545	{15}	T4-31P	T4-31P+
1986-72	C7D, C7T, C8C, FB-67	30H	545	{15}	T4-31P	T4-31P+
TROJAN						
Formerly EATON CORP.						
Additional equipment listed in the Farm Equipment section.						
1980-79	1600	4	590	{15}	—	—
Tractor Shovels						
1967-60	112, 114, 124, 164	27	370		S4-27	S5515B
1967-60	114, 124, 164A – Diesel	4	790	{15}	—	—
1967-60	164 – Diesel	4D	815		T4-4D	—
1967-60	164A	27	370		S4-27	S5515B
1967-59	204 – Cummins Diesel	8D	900	{147}	T4-8D	T4-4D
1967-59	204, 204A – Other Engs	27	370		S4-27	S5515B
1967-59	204, 204A – Penta D-67	30H	475	{15}	T4-31P	T4-31P+
1967-59	204, 204A – GM 4-53 Eng	4	790	{15}	—	—
1967-59	204, 204A – GM 3-71 Eng	5D	815		—	—
1967-59	204A – Cummins Diesel	8D	900	{147}	T4-8D	T4-4D
1967-59	254, 300, 3000, 304A	4	790	{173}	—	—
1967-59	400, OS-10	4	790	{173}	—	—
1965-64	134A	4	790	{15}	—	—
1964-63	124A – UD-264 Eng	27	370		S4-27	S5515B
1964-63	124A – Other Engs	4	790	{15}	—	—
1964-57	304, 404	7D	880	{173}	—	—
1964-54	134 – Other Engs	27	370		S4-27	S5515B
1964-54	134 – Herc D-298 & Penta D-47 Eng	4D	815		T4-4D	—
1964-54	134 – GM 3-53 & IHC UD-282 Eng	5D	865	{15}	—	—
Wheel Loaders						
1991-87	4500Z, L3000, L4500	4D	950	{15}	T4-4D	—
1991-84	1900Z, 2000Z, 3500Z	4D	850	{15}	T4-4D	—
1991-83	1500C, 1500D, 1700C	30H	800	{15}	T4-31P+	T6-31P
1991-83	1700Z, 1900, 1900C	30H	800	{15}	T4-31P+	T6-31P
1991-83	500Z	30H	800	{15}	T4-31P+	T6-31P
1991-76	5500, 7500	8D	975	{15}	T4-8D	T4-4D
1991-75	2500C, 3000C, 4000E	7D	925	{173}	—	—
1991-75	4500, 5500Z	7D	925	{173}	—	—
1983-73	1500C, 1500D, 1500Z	4	590	{15}	—	—
1983-73	1700C, 1700Z, 1900	4	590	{15}	—	—
1983-73	1900C	4	590	{15}	—	—
1981-72	2000C, 2000D	5D	820	{173}	—	—
UNIT CRANE & SHOVEL CORP.						
Cranes & Shovels						
1986-73	150-H, 2700B, 2800B	8D	900		T4-8D	T4-4D
1986-73	342-H, 381-H, 5000	8D	900		T4-8D	T4-4D
1986-73	5500	8D	900		T4-8D	T4-4D
1980-68	1220A, 1220B, 1225WA	4	650	{15}	—	—
1980-68	300, 400, 500, 750	4	650	{15}	—	—
1980-64	H-171, H-172, H-201	8D	900		T4-8D	T4-4D

YEAR	DESCRIPTION	O.E. BC NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
UNIT CRANE & SHOVEL CORP. (Continued)						
Cranes & Shovels (Continued)						
1980-64	H-202, H-30T, H-401	8D	900		T4-8D	T4-4D
1980-64	H-471	8D	900		T4-8D	T4-4D
1975-63	All – Diesel	4	790	{15}	—	—
1975-63	All – Gas	60	305		S3-24{29}	S3-24F{29}
1968-65	360T – Diesel	3	690	{15}	—	—
1960-46	All except 360T – Gas	2L	400		—	—
1960-46	All except 510T – Gas	2L	400		—	—
1960-46	All except 513T – Gas	2L	400		—	—
1958-46	All – Diesel	5	865	{15}	—	—
1957-55	510T, 513T	5D	525		—	—
UNIT RIG & EQUIPMENT CO.						
INCLUDES DART TRUCK CO.						
Front End Wheel Loaders & Log Stackers						
1985-69	600C, 620C, KW120	8D	830	{148}	T4-8D	T4-4D
1985-69	KW30	8D	830	{148}	T4-8D	T4-4D
Off Highway Trucks						
1985-75	2085, 3065, 3075	8D	830	{15}	T4-8D	T4-4D
1985-75	3100, 3120, 4100	8D	830	{15}	T4-8D	T4-4D
1985-75	4120, 4150	8D	830	{15}	T4-8D	T4-4D
Open Pit Mining Trucks						
1983-70	BD-180, BD-30, BWE	8D	935	{148}	T4-8D	T4-4D
1983-70	Mark 36	8D	935	{148}	T4-8D	T4-4D
1983-62	M-100, M-120	8D	935	{148}	T4-8D	T4-4D
1983-62	M-120-17, M-200	8D	935	{148}	T4-8D	T4-4D
1983-62	M-24, M-30, M-85	8D	935	{148}	T4-8D	T4-4D
UPRIGHT						
Arm Lifts, Articulated						
	SL20, SL26N – 24-volt	GC2	NR	{173}	—	—
	SL30N – 24-volt	GC2	NR	{173}	—	—
Boom Lifts						
	AB38 LITE – 48-volt	GC2	NR	{320}	—	—
	AB38N, AB46 – 48-volt	903	NR	{320}	—	—
	AB38W – 48-volt	GC2	NR	{320}	—	—
	AB46 Bi Energy – 48-volt	903	NR	{320}	—	—
	MB20, MB20N – 24-volt	27	NR	{3,147}	—	—
	MB26 – 24-volt	27	NR	{3,147}	—	—
	SP37 – 24-volt	GC2	NR	{173}	—	—
Boom Lifts, Trailer Mounted						
	TL33, TL38 – 24-volt	GC2	NR	{173}	—	—
	TL49 – 24-volt	GC2	NR	{173}	—	—
Personnel Lifts, Portable						
	UL20, UL25 – 12-volt	27	NR	{3}	—	—
	UL32, UL40 – 12-volt	27	NR	{3}	—	—
	UL48 – 12-volt	27	NR	{3}	—	—
Scissor Lifts						
	MX15, MX19 – 24-volt	GC2	NR	{173}	—	—
	X2032, X20N – 24-volt	GC2	NR	{173}	—	—
	X20W, X26 – 24-volt	GC2	NR	{173}	—	—
	X26 Ultra-N – 24-volt	GC2	NR	{173}	—	—
	X26N, X31 – 24-volt	GC2	NR	{173}	—	—
	X31N, X32 – 24-volt	GC2	NR	{173}	—	—
	XRT27E – 48-volt	GC2	NR	{320}	—	—
	XRT33E – 48-volt	GC2	NR	{320}	—	—
Self-Propelled Lift w/Telescopic Mast						
	TM12 – 24-volt	GC2	NR	{173}	—	—

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INDUSTRIAL VAUXHALL — VERMEER MFG. CO.

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YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
VAUXHALL						
Industrial						
1963-57	Cresta, Velox	24F	NA		—	—
1963-57	Estate Wagon, Victor	24	NA		—	—
VERMEER MFG. CO.						
Auger						
1980-63	M-12	24	250		S3-24	S4-24
Chippers						
1999-91	1200BC, 1220BC	24	580		S4-24	S5507B
1999-91	1220BC – Diesel	31T	925		T4-31+	T6-31
1999-91	935BC	24	580		S4-24	S5507B
1999-88	620, 620BC, 625BC	24	485		S3-24	S4-24
1995-78	1250BC, 1250UBC	24	580		S4-24	S5507B
1995-78	1600, 1600A	24	580		S4-24	S5507B
1995	1230BC	31T	925		T4-31+	T6-31
1991-87	1250	24	580	{147}	S4-24	S5507B
1987-70	671 – Diesel	4D	800		T4-4D	—
1978-70	671	24	365		S3-24	S4-24
Compactors						
1993-89	TC23/33	24	575		S4-24	S5507B
1993-88	TC4	26R	425		S3514B	S6523B
Directional Borers						
1999-91	D14/24, D7	24	575		S4-24	S5507B
Frost Cutters & Stump Cutters						
1999-93	1102SC, 672	31T	925		T4-31+	T6-31
1993-90	665B	24	485		S3-24	S4-24
1993-90	665B – Diesel	31T	925		T4-31+	T6-31
1993-71	2465, 630A, 665	24	440		S3-24	S4-24
1993-71	665A	24	440		S3-24	S4-24
1993-63	1560, 186, 206	24	400		S3-24	S4-24
1993-63	222SC, 2460A, 6, 618	24	400		S3-24	S4-24
1993-63	M-18	24	400		S3-24	S4-24
1991-88	630B	26	425		S3513B	S3560B(32)
1971-63	10, 15, 18	24F	440	{17}	S3-24F	S4-24F
1971-63	2460A, 630	24F	440		S3-24F	S4-24F
1967-62	F-100	60	315		S3-24(29)	S3-24F(29)
Lawnmasters						
1992-83	LM-35, LM-40	30H	685		T4-31P+	T6-31P
1983-79	LM-35	22F	250		S3514B	S3560B
1981-76	Dink Digger w/Independent PTO	24	365		S3-24	S4-24
1981-76	LM-18 – w/Independent PTO	24	365		S3-24	S4-24
Log Splitters						
1987-80	LS-150A	22F	250		S3514B	S3560B
1987-71	LS-200	24	250		S3-24	S4-24
Portable/Walk-Behind Trencher						
2013	LM42	31T	660		T4-31	T4-31+
Riding Trenchers						
2013	RT450	29H	660		T4-31P	T4-31P+
2013	RT950, XTS1250	NA	1000		—	—
2013	RTX1250	4D	1000		T4-4D	—
2013	RTX750	29H	950		T4-31P+	T6-31P
Tree Mover						
1970-65	TM-700	24F	485		S3-24F	S4-24F
Tree Spades						
1993-67	TS-30 – Other Engs	24	485		S3-24	S4-24
1993-67	TS-30 – Ford Eng	24F	485		S3-24F	S4-24F
1993-67	TS-44A – Other Engs	24	485		S3-24	S4-24
1993-67	TS-44A – Ford Eng	24F	485		S3-24F	S4-24F
1993-67	TS-530 – Other Engs	24	485		S3-24	S4-24

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
VERMEER MFG. CO. (Continued)						
Tree Spades (Continued)						
1993-67	TS-530 – Ford Eng	24F	485		S3-24F	S4-24F
1993-67	TS-544 – Other Engs	24	485		S3-24	S4-24
1993-67	TS-544 – Ford Eng	24F	485		S3-24F	S4-24F
Trenchers, Ditchmasters						
2012-08	RTX750	29H	950		T4-31P+	T6-31P
2012-07	RTX1250	4D	1000		T4-4D	—
2012-05	RT950, XTS1250	NA	1000		—	—
2012-03	LM42	31T	660		T4-31	T4-31+
2012-03	RT350, RT450	29H	660		T4-31P	T4-31P+
2011-99	LM25	26	400		S3513B	S3560B{32}
2011-06	RTX450	29H	660		T4-31P	T4-31P+
2000-96	T-1055, T-1255	8D	1105	{15}	T4-8D	—
2000-96	T-1505, T-865	8D	1105	{15}	T4-8D	—
2000-96	T-9554	8D	1105	{15}	T4-8D	—
2000-95	P-125, P-185	31T	950		T4-31+	T6-31
2000-95	TC4A	26R	425		S3514B	S6523B
2000-91	T-455, T-555	31T	950	{15}	T4-31+	T6-31
2000-90	T-655, T-658, T-755	31T	950	{177}	T4-31+	T6-31
2000-90	T-758, T-850	31T	950	{177}	T4-31+	T6-31
2000-88	CC135, CC145	4D	1000		T4-4D	—
1999-95	V-5750	29H	660		T4-31P	T4-31P+
1999-94	OCC-135	8D	1150		T4-8D	—
1999-94	V-3550	29H	660		T4-31P	T4-31P+
1999-91	V-5050, V-5800	24	625	{147}	S4-24	S5507B
1999-88	V-7650, V-8050	4D	1000		T4-4D	—
1999-88	V-8550	4D	1000		T4-4D	—
1995-83	LM-35, LM-40, LM-42	29H	685		T4-31P	T4-31P+
1993-92	V-4150 – Optional	24	575	{15}	S4-24	S5507B
1993-92	V-4150, V-4750	30H	660		T4-31P	T4-31P+
1993-92	V-4750 – Optional	24	575	{15}	S4-24	S5507B
1993-91	Flex Trak-115	31T	950		T4-31+	T6-31
1993-91	Flex Trak-75	31T	950		T4-31+	T6-31
1993-90	M-5850, M-7850	24	575	{147}	S4-24	S5507B
1993-90	T-450, T-455	24	575	{147}	S4-24	S5507B
1993-85	CC-135, CC-90	8D	1155		T4-8D	—
1993-78	V-430, V-430A, V-440	24	575	{147}	S4-24	S5507B
1993-78	V-450, V-455A	24	575	{147}	S4-24	S5507B
1993-76	M-455A, M-475	4D	1000		T4-4D	—
1993-76	M-475A, M-485, M-495	4D	1000		T4-4D	—
1993-76	T-1450, T-1455	8D	1155	{147}	T4-8D	—
1993-76	T-650, T-800, T-800B	8D	1155	{147}	T4-8D	—
1993-76	T-800C, T-800HT	8D	1155	{147}	T4-8D	—
1993-72	T-600B, T-600C	4D	1000	{147}	T4-4D	—
1993-72	T-600D, T-850	4D	1000	{147}	T4-4D	—
1993-72	V-7550, V-8050	4D	1000	{147}	T4-4D	—
1991-89	V-1550	26	310		S3513B	S3560B{32}
1987-68	M-220, M-455A	24	365	{147}	S3-24	S4-24
1987-68	M-465A, M-470	24	365	{147}	S3-24	S4-24
1987-68	M-470D	24	365	{147}	S3-24	S4-24
1985-62	Dinky Digger, M-418	24	370	{147}	S3-24	S4-24
1985-62	M-434, M-437, M-437A	24	370	{147}	S3-24	S4-24
1985-62	M-440, M-450, M-450D	24	370	{147}	S3-24	S4-24
1985-62	M-455	24	370	{147}	S3-24	S4-24
1984-70	T-400A, T-400B	4D	800		T4-4D	—
1984-70	T-400C	4D	800		T4-4D	—
1984-65	T-100, T-200, T-218	24	365		S3-24	S4-24
1984-65	T-230, T-300, T-300A	24	365		S3-24	S4-24
1984-65	T-300B, T-400	24	365		S3-24	S4-24
1976-63	LM18, M-18, M-30	24	365	{17,147}	S3-24	S4-24

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

VERMEER MFG. CO. — WAGNER MINING EQUIPMENT CO.

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
VERMEER MFG. CO. (Continued)						
Trenchers, Ditchmasters (Continued)						
1976-63	M-36, M-50, M-50D	24	365	{17,147}	S3-24	S4-24
1976-63	M-60	24	365	{17,147}	S3-24	S4-24
1975-69	T-600A – DD 353 Eng	4D	1000		T4-4D	—
1975-64	T-600 – Ford Eng	24F	485		S3-24F	S4-24F
1975-62	W-1, W-1A, W-3	24	365		S3-24	S4-24
1971-63	E-30, M-30, M-36	24F	365	{17}	S3-24F	S4-24F
1971-63	M-437, M-450, M-460	24F	365	{17}	S3-24F	S4-24F
1971-63	M-465, M-50, M-60	24F	365	{17}	S3-24F	S4-24F
1970-64	T-600A – Diesel	24F	485		S3-24F	S4-24F
1967-63	4T, 524T – Optional	24	315		S3-24	S4-24
1967-54	4T, 524T	1	550		—	—
1963-60	36	1	550		—	—
1962-58	W-1, W-2, W-3	1	550		—	—
VERSA, INC.						
Bagger						
2004	Bagger 891	31T	625	{15}	T4-31	T4-31+
VERSATILE, INC.						
FORD-NEW HOLLAND CANADA LTD.						
Additional equipment listed in the Farm Equipment section.						
Loaders						
1999-90	744	4DLT	750		T4-4DLT	T4-4D{30}
Skid Steer						
2004-02	2145–145 hp	31T	660		T4-31	T4-31+
2004-02	2160–160 hp	31T	660		T4-31	T4-31+
2004-02	2180–180 hp	31T	660		T4-31	T4-31+
2004-02	2210–210 hp	31T	660		T4-31	T4-31+
2004-02	2290–290 hp	31T	660		T4-31	T4-31+
2004-02	2335–335 hp	31T	660		T4-31	T4-31+
2004-02	2360–360 hp	31T	660		T4-31	T4-31+
2004-02	2375–375 hp	31T	660		T4-31	T4-31+
2004-02	2425–425 hp	31T	660		T4-31	T4-31+
VIPER						
Scrubber						
	FANG 20 – 24-volt	921	NR	{15}	—	—
	FANG 20 HD – 24-volt	921	NR	{15}	—	—
	FANG 24T/26T/28T 24-volt	921	NR	{15}	—	—
	FANG 32T – 36-volt	902	NR	{178}	—	—
VOLVO DIVISION						
See EUCLID HITACHI HEAVY EQUIPMENT, INC.						
Wheel Loaders						
2003-02	L120E	NA	NA	{24}	—	—
WACKER CORPORATION						
Diesel Vibro Plates						
1999-84	DPU 5055, DPU 6055	22F	255		S3514B	S3560B
1999-84	DPU 6760, DPU 7060	22F	255		S3514B	S3560B
Generators						
1999-93	G-25, G-45, G-60	27	500		S4-27	S5515B
1999-93	G-75	27	500		S4-27	S5515B
Industrial						
1999-93	GS 5.6A	NA	NA		—	—
Light Towers						
1999-95	4S, LT-4 – Optional	24F	330		S3-24F	S4-24F
1999-95	4S, LT-4, LT-4S	24	330		S3-24	S4-24
1999-95	LT-4S, LTP-4 – Optional	24F	330		S3-24F	S4-24F
1999-95	LTP-4	24	330		S3-24	S4-24

		O.E. BCI NO.	CCA @ 0°F			Replacement Options	
YEAR	DESCRIPTION			Notes		Option 1	Option 2
WACKER CORPORATION (Continued)							
Pumps							
1999-92	PT6LT	31T	685			T4-31	T4-31+
1995-83	PT5-3H, PT5-4H	22NF	225			S4536B	S5-51R
1991-88	PT6DS, PT6DT	24F	450			S3-24F	S4-24F
Ride-On Trowels							
1999-95	ART46, ASN, ASO	26	400			S3513B	S3560B{32}
1999-95	CRT36 ASN, CRT36 ASO	26	NA			—	—
1999-95	CRT36, CRT46, KHN	26	400			S3513B	S3560B{32}
1999-95	CRT46 ASO, CRT46 KHN	26	NA			—	—
Rollers							
1999-89	R1000, R1000B	31T	685			T4-31	T4-31+
1999-89	R1000S, RT560, RT820	31T	685			T4-31	T4-31+
1995-90	RD880V	22NF	225			S4536B	S5-51R
1995-87	RSS800A	NA	260	{170}		—	—
1995-87	W74A	NA	260			—	—
1994-81	WDH86-110, WHK 50100	22F	225			S3514B	S3560B
1994-81	WHK 90A, WHK 90L	22F	225			S3514B	S3560B
1989-84	R1000, R1000B	24F	450			S3-24F	S4-24F
1989-84	R1000S	24F	450			S3-24F	S4-24F
1984-79	R900, R900S	24	220			S3-24	S4-24
WAGNER MINING EQUIPMENT CO.							
Loaders							
1989-81	ST-1.3A	31T	600			T4-31	T4-31+
1989-66	HST-1A, JS-500	30H	540	{147}		T4-31P	T4-31P+
1989-66	ST-11, ST-13, ST-2B	4D	950	{147}		T4-4D	—
1989-66	ST-2A, ST-3-1/2, ST1	30H	540	{147}		T4-31P	T4-31P+
1989-66	ST-2C, ST-2D, ST-3	4D	950	{147}		T4-4D	—
1989-66	ST-6C, ST-8, ST-8A	4D	950	{147}		T4-4D	—
1989-61	ST-4A, ST-4C, ST-5	4D	950	{15}		T4-4D	—
1989-61	ST-5A, ST-5B, ST-5D	4D	950	{15}		T4-4D	—
1989-61	ST-5E, ST-5H	4D	950	{15}		T4-4D	—
1984-72	MS-1 1/2, MS-1F	4D	950	{147}		T4-4D	—
1984-72	MS-1H, MS-2, MS-3	4D	950	{147}		T4-4D	—
1984-72	MS-3A	4D	950	{147}		T4-4D	—
1984-63	HST-5, SD-2 1/2	4D	950	{147}		T4-4D	—
1984-63	SD-3, ST-1, ST-1 1/2	4D	950	{147}		T4-4D	—
1984-63	ST-1 1/2A	4D	950	{147}		T4-4D	—
1971-60	MS-1 1/2, MS-1F	30HR	540			T4-31P	T4-31P+
1971-60	MS-1H	30HR	540			T4-31P	T4-31P+
1967-60	MS-2, MS-3, SD-2-1/2	4D	815	{147}		T4-4D	—
1967-60	SD-3, ST-5	4D	815	{147}		T4-4D	—
Personnel Transports							
1989-67	UT-42 – Optional	4D	950			T4-4D	—
1989-67	UT-42, UT-45A	30H	540	{148}		T4-31P	T4-31P+
1989-67	UT-45A – Optional	4D	950			T4-4D	—
1984-72	PT-10, PT-14	4D	950			T4-4D	—
1971-63	PT-10, PT-14, PT-30	30HR	540			T4-31P	T4-31P+
Supply Carriers							
1984-79	DC-07	31T	600	{15}		T4-31	T4-31+
1984-65	FT-410A, FT-410Z	4D	950	{147}		T4-4D	—
1984-65	LT-410A, PM-22	4D	950	{147}		T4-4D	—
1984-65	TT-410A, UT-410A	4D	950	{147}		T4-4D	—
1984-65	UT-F20	4D	950	{147}		T4-4D	—
1971-63	LT-410, TT-410	30HR	540			T4-31P	T4-31P+
1971-63	UT-410	30HR	540			T4-31P	T4-31P+
1971	HPT-5	30H	540			T4-31P	T4-31P+
Trucks							
1989-78	MT-411-30, MT-413-30	31T	600	{15}		T4-31	T4-31+
1989-75	MT-245-30/433-30	4D	950	{15}		T4-4D	—
1989-75	MT-414-30, MT-416-30	4D	950	{15}		T4-4D	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

WAGNER MINING EQUIPMENT CO. — WHITEMAN MFG. CO.

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			O.E. CCA BC @ NO. 0°F		Replacement Options	
YEAR	DESCRIPTION			Notes	Option 1	Option 2
WAGNER MINING EQUIPMENT CO. (Continued)						
Trucks (Continued)						
1989-75	MT-420-30	4D	950	{15}	T4-4D	—
1989-67	MT-435-32	4D	950	{147}	T4-4D	—
1989-67	MTP-410-30, MTP-F10	4D	950	{147}	T4-4D	—
1989-67	MTP-F12-30	4D	950	{147}	T4-4D	—
1989-66	MT-F25-35, MT-F25-44	4D	950	{15}	T4-4D	—
1989-66	MT-F28	4D	950	{15}	T4-4D	—
1989-66	MTT-F15, MTT-F20	4D	950	{147}	T4-4D	—
1989-66	MTT-F20-23	4D	950	{147}	T4-4D	—
1989-66	MTT-F20-24	4D	950	{147}	T4-4D	—
1989-66	MTT-F20-27A, MTT-R15	4D	950	{147}	T4-4D	—
1989-63	MTT-420-27A	4D	950	{15}	T4-4D	—
1989-63	MTT-420-27B	4D	950	{15}	T4-4D	—
1989-63	MTT-420-30	4D	950	{15}	T4-4D	—
1989-63	MTT-420-38	4D	950	{15}	T4-4D	—
1989-63	MTT-422-30	4D	950	{15}	T4-4D	—
1989-63	MTT-423-38	4D	950	{15}	T4-4D	—
1989-61	MTT-415, MTT-415-22	4D	950	{15}	T4-4D	—
1989-61	MTT-417-25	4D	950	{15}	T4-4D	—
1989-61	MTT-419-32	4D	950	{15}	T4-4D	—
1989-61	MTT-435-20, MTT-610A	4D	950	{15}	T4-4D	—
1984-72	MF-F10	4D	950		T4-4D	—
1984-72	MT-F50-26	8D	1000	{15}	T4-8D	T4-4D
1984-69	HPT-5, MTT-426-23A	30H	540		T4-31P	T4-31P+
1984-69	MTT-F10, MTT-F25-23	30H	540		T4-31P	T4-31P+
1984-69	MTT-F26-23, UT-F20	30H	540		T4-31P	T4-31P+
1984-68	MTT-425-28	8D	1000	{15}	T4-8D	T4-4D
1984-66	HMTT-410, PM-22	4D	950	{147}	T4-4D	—
1984-63	MTT-425-34	4D	950	{15}	T4-4D	—
1984-63	MTT-425-36	4D	950	{15}	T4-4D	—
1984-63	MTT-425-46	4D	950	{15}	T4-4D	—
1984-63	MTT-426-23	4D	950	{15}	T4-4D	—
1984-62	MT-F15	30H	540	{15}	T4-31P	T4-31P+
1984-62	MT-F15 – Optional	4D	815	{15}	T4-4D	—
1984-61	MTT-413, MTT-420	4D	950	{15}	T4-4D	—
1984-61	MTT-425, MTT-F40-44	4D	950	{15}	T4-4D	—
1984-61	MTT-R40	4D	950	{15}	T4-4D	—
1977-72	MT-F10-C	4D	695	{147}	T4-4D	—
1967-60	MT-F10-C, MTP-F10	30HR	540		T4-31P	T4-31P+
1967-60	MTP-F12-30	30HR	540		T4-31P	T4-31P+
WALDON, INC.						
Aerial Lifts						
1998-88	Sky Jacker, Sky Van	8D	1150	{15}	T4-8D	—
	Sky Van – 12-volt	8D	NR		—	—
	SkyJackers – 12-volt	8D	NR		—	—
Dozers						
1999-98	LD80, WD80	34/78	850		S5563B	S5564B
1999-95	7000, 7500 – Diesel	34/78	875	{49}	S5563B	S5564B
1999-85	6000B – Diesel	26R	460	{15}	S3514B	S6523B
1999-85	6000C, 8500C	26R	460	{15}	S3514B	S6523B
1988-84	8500B	71	650	{49}	S4559B(32)	S5559B(32)
1984-81	8500	31T	625		T4-31	T4-31+
1982-81	4500	31T	625		T4-31	T4-31+
1982-78	6000	22F	405	{15}	S3514B	S3560B
1982-75	5000, 5200	24	505		S3-24	S4-24
1982-75	6000 – Optional	24	505		S3-24	S4-24
Loaders						
1999-91	4500B	31T	625		T4-31	T4-31+
1999-83	4100, 5100	31T	625		T4-31	T4-31+

		O.E. CCA BCI @ NO. 0°F		Notes	Replacement Options	
YEAR	DESCRIPTION				Option 1	Option 2
WALDON, INC. (Continued)						
Sweepers						
1999-98	8C – Lay-Mor	31T	950		T4-31+	T6-31
1999-98	Sweepmaster 250	31T	950		T4-31+	T6-31
1999-94	6HB, 6HC, 8B – Lay-Mor	34/78	525		S3-78	S4563B
1999-94	8HC – Lay-Mor	34/78	525		S3-78	S4563B
1997-91	Sweepmaster B – Diesel	31T	950		T4-31+	T6-31
1997-91	Sweepmaster II – Diesel	31T	950		T4-31+	T6-31
1991-85	Sweepmaster – Diesel	26R	460	{15}	S3514B	S6523B
WARD LAFRANCE						
Aerials, Pumpers, Snorkels						
1977-66	A-80, P-80, P-82	8D	935	{15}	T4-8D	T4-4D
1977-66	P-85, S-80	8D	935	{15}	T4-8D	T4-4D
WESTINGHOUSE AIR BRAKE CO.						
See also LETOURNEAU-WESTINGHOUSE						
Air Compressors						
1971-70	125RD1, 150RD1	30H	525		T4-31P	T4-31P+
1971-70	125RG1A, 125RG1B	3EE	375		S4535B{31}	—
1971-70	125TA	24	325		S3-24	S4-24
1971-70	150G1, 170RG2, 85RG1	3EE	375		S4535B{31}	—
1971-70	170RD1	30H	525		T4-31P	T4-31P+
1971-70	365SD1, 450RD2	4D	800	{147}	T4-4D	—
1971-70	600RD2, 600SD1	8D	975		T4-8D	T4-4D
1971-70	900SD1	4D	800	{147}	T4-4D	—
WHITE-NEW IDEA DIVISION						
1991-86	FB16, FB21	U1	340	{17}	—	—
Industrial						
1988-84	2-32	27	530		S4-27	S5515B
1988-82	2-55, 2-65, 2-75	27	530	{15}	S4-27	S5515B
1987-82	2-88	3EH	825	{15}	—	—
1984-79	2-30, 2-35	31T	515		T4-31	T4-31+
1982-80	2-45, 2-62	27	530	{15}	S4-27	S5515B
1982-76	2-70	4	610	{15}	—	—
1982-76	2-85	3EH	825	{15}	—	—
WHITE-OLIVER						
See also OLIVER						
Industrial Wheel Tractors						
1968-66	2-44 – Diesel	1	500	{15}	—	—
		60	400		S3-24{29}	S3-24F{29}
1968-66	2-62, 2-78 – Diesel	5D	800	{15}	—	—
1968-66	2-62, 4-78	6D	750		T4-4D	—
1968-66	4-78 – Diesel	5D	800	{15}	—	—
1968	4-78	6D	750		T4-4D	—
1967-66	2-78	6D	750		T4-4D	—
WHITEMAN MFG. CO.						
Concrete Equipment						
1983-59	DB-60 – Cart powered	U1	235		—	—
1978-69	B-85	24	360		S3-24	S4-24
1978-65	P-40G, P-60D	24	330	{179}	S3-24	S4-24
1978-65	P-80D Pumps	24	330	{179}	S3-24	S4-24
Forklifts & Power Buggies						
1990-58	WBH-16E Buggy	U1	235		—	—
Lift						
1990-58	M-WLS-1000	U1	235		—	—
Twin Finishing Machines						
1990-80	All	U1	235		—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

WHITMAN & ROBINSON, INC. — WORTHINGTON COMPRESSORS, INC.

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E.	CCA	Notes	Replacement Options	
		BCI NO.	@ 0°F		Option 1	Option 2
WHITMAN & ROBINSON, INC.						
Sidewalk Snow Plow Tractors w/ 4-Wheel Drive						
1975-58	Cayuga A, Cayuga L	29NF	300		—	—
1975-58	Cayuga LB, Cayuga W	29NF	300		—	—
WILLMAR						
Mini Wheel Loaders						
2013-05	Wrangler 4550	49	770		S5533B	S6588B
WILLY'S JEEP						
Industrial						
1963-58	All (ex. 58 6 Volt)	24	NA		—	—
1958-37	All – w/6-Volt	1	NA		—	—
WINDSOR						
Burnishers						
	Lightning L2020B – 36-volt	921	NR	{181}	—	—
	Lightning L20D – 36-volt	921	NR	{181}	—	—
	Lightning L22FT – 36-volt	921	NR	{181}	—	—
	MXB – 24-volt	27	NR	{3,15}	—	—
Carpet Extractors						
	Voyager 2 – 36-volt	921	NR	{181}	—	—
Scrubber						
	PT-17 – 24-volt	24	NR	{3,15}	—	—
	PT-20 – Optional, 24-volt	901	NR	{173}	—	—
	PT-20, PT-24 – 24-volt	GC2	NR	{173}	—	—
	PT-24 – Optional, 24-volt	901	NR	{173}	—	—
	PT-26 – 36-volt	901	NR	{178}	—	—
	PT-26 – Optional, 36-volt	902	NR	{178}	—	—
		GC2	NR	{178}	—	—
	PT-32 – Optional, 36-volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
		903	NR	{178}	—	—
	PT-32, S-200 – 36-volt	GC2	NR	{178}	—	—
	QFATB, QTATB – 36-volt	903	NR	{178}	—	—
	ROBOSCRUB – 36-volt	902	NR	{178}	—	—
	ROBOSCRUB – Optional, 36-volt	903	NR	{178}	—	—
	Radius 34 – 24-volt	24	NR	{15}	—	—
	S-200 – Optional, 36-volt	902	NR	{178}	—	—
		903	NR	{178}	—	—
	S-260 – 36-volt	GC2	NR	{178}	—	—
	S-260XP – 36-volt	GC2	NR	{178}	—	—
	S-261, S-262 – 36-volt	GC2	NR	{178}	—	—
	Saber 24 – Optional, 36-volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
	Saber 24 – 36-volt	GC2	NR	{178}	—	—
	Saber 28 – Optional, 36-volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
		903	NR	{178}	—	—
	Saber 28 – 36-volt	GC2	NR	{178}	—	—
	Saber 34 – Optional, 36-volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
		903	NR	{178}	—	—
	Saber 34 – 36-volt	GC2	NR	{178}	—	—
	Tracker AS – Optional, 36-volt	901	NR	{178}	—	—
		902	NR	{178}	—	—
	Tracker AS – 36-volt	GC2	NR	{178}	—	—
	Trident 20 – 24-volt	GC2	NR	{173}	—	—
	Trident 24 – 24-volt	GC2	NR	{173}	—	—
	Trident 28 – 36-volt	901	NR	{178}	—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
WINDSOR (Continued)						
Scrubber (Continued)						
	Trident 28 – Optional, 36–volt	902	NR	{178}	—	—
		903	NR	{178}	—	—
	Trident 34 – 36–volt	901	NR	{178}	—	—
	Trident 34 – Optional, 36–volt	902	NR	{178}	—	—
		903	NR	{178}	—	—
	Trident Compact 17 24–volt	27	NR	{3,15}	—	—
	Trident Compact 17 Optional, 24–volt	30H	NR	{3,15}	—	—
	Trident Compact 20T 24–volt	27	NR	{3,15}	—	—
	Trident Compact 20T Optional, 24–volt	30H	NR	{3,15}	—	—
	Trident Compact 20X 24–volt	30H	NR	{3,15}	—	—
Vacuum						
	Maximatic 28B – 24–volt	24	NR	{3,15}	—	—
WOOD CHUCK CHIPPER CORP.						
Formerly SAFETY TEST & EQUIPMENT CO.						
Wood Chuck Chippers						
1984-71	w/CA12, w/CA16	24	330		S3-24	S4-24
1984-71	w/CA12, w/CA16 – Diesel	30H	510		T4-31P	T4-31P+
WORKFORCE AERIAL LIFTS						
SEE BIL-JAX INC.						
WORTHINGTON COMPRESSORS, INC.						
In the absence of a cranking performance specification supplied by the original equipment vehicle manufacturer, the rating shown is based upon battery industry consensus.						
Early Models Portable Air Compressors, Reciprocating						
1956-43	105, 125, 160	3	690	{147}	—	—
1956-43	210 – IHC UD–14A	3	690	{148}	—	—
1956-43	210 – Cont B–427 Eng	5	790		—	—
1956-43	315 – Exc Murphy 220	4	790	{148}	—	—
1956-43	600 – Exc Murphy 220	4	790	{148}	—	—
Early Models Portable Air Compressors, Reciprocating Type						
1959-46	60, 75	1	550		—	—
Portable Air Compressors						
1976-73	1150	4D	640	{148}	T4-4D	—
1976-73	750, 850	7D	875	{148}	—	—
1976-73	750, 850 – Optional	8D	875	{148}	T4-8D	T4-4D
1976-70	175 – Hercules G–2300	24	315		S3-24	S4-24
1976-70	175 – Hercules D–2300	4D	640		T4-4D	—
1976-67	600 – Cummins 12V & GM 6–71N	8D	875		T4-8D	T4-4D
1976-66	160 – IHC C–200 & Herc G2300 Eng	24	315		S3-24	S4-24
1976-66	160 – Bedford & Deere, Diesel	3ET	430	{148}	—	—
1976-66	160 – Hercules D2300 Eng	6D	750		T4-4D	—
1976-64	1050, 900TS	8D	875	{148}	T4-8D	T4-4D
1976-64	125, 85 – IHC Eng	24	315		S3-24	S4-24
1976-64	250	3	580	{148}	—	—
1976-64	365 – GM 4–71 Eng	7D	875	{148}	—	—
1976-64	600 – Cummins	7D	875	{148,166}	—	—
1976-64	600 SS	7D	875	{148}	—	—
1971-65	125 – Hercules GD2300 Eng	6D	750		T4-4D	—
Portable Air Compressors, Rotary Type						
1967-64	315 – Optional, GM Eng	7D	880	{148}	—	—
1967-64	365 – Optional, GM Eng	7D	880	{148}	—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.

INDUSTRIAL

INDUSTRIAL WORTHINGTON COMPRESSORS, INC. — ZEFER

IMPORTANT NOTE: BATTERIES CAN EXPLODE! Always wear safety glasses AND shield eyes when working around batteries. Always check for proper polarity and sufficient terminal clearance BEFORE final installation to avoid dangerous sparks, potential explosion, possible severe personal injury and/or expensive electrical system and/or vehicle/equipment damage or fire.

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
WORTHINGTON COMPRESSORS, INC. (Continued)						
Portable Air Compressors, Rotary Type (Continued)						
1967-64	600T.S. – Optional, GM Eng	7D	880	{148}	—	—
1967-63	85	24	315		S3-24	S4-24
1967-60	125 – Cont G-193 & Herc G2300 Eng	24	315		S3-24	S4-24
1967-60	125 – Cont GD-193 & Herc D2300 Eng	6D	900		T4-4D	—
1967-60	160 – Cont G-193 & Herc G2300 Eng	24	315		S3-24	S4-24
1967-60	160 – Cont GD-193 & Herc D2300 Eng	6D	900		T4-4D	—
1967-60	900 T.S.	8D	900	{148}	T4-8D	T4-4D
1967-56	210, 250	3	690	{147}	—	—
1965-63	600 S.S.	7D	880		—	—
1963-56	315, 365 – Cummins	8D	900	{148}	T4-8D	T4-4D
1963-56	600T.S. – Cummins	8D	900	{148}	T4-8D	T4-4D
1963-55	315, 365 – GM Eng	4	790	{148}	—	—
1963-55	600T.S. – GM Eng	4	790	{148}	—	—
1963-55	Herc. DD198, JX4D	3	690	{148}	—	—
YALE						
Floor Machines						
	MT, VF – 24-volt	903	NR	{15}	—	—
YALE & TOWNE						
Industrial Tractors & Tractor Shovels						
1973-58	KG-51, KGA-51	1	525		—	—
1973-58	KGP-51, KGPA-51	1	525		—	—
1973-58	Y-18	1	525		—	—

YEAR	DESCRIPTION	O.E. BCI NO.	CCA @ 0°F	Notes	Replacement Options	
					Option 1	Option 2
YALE & TOWNE (Continued)						
Industrial Tractors & Tractor Shovels (Continued)						
1971-58	G10P – Series 030-040-050	1	525		—	—
Material Handling Trucks						
1973-63	D51P – Series 030-040-050	30H	500		T4-31P	T4-31P+
1973-63	G-51C – Series 030-400	29NF	300		—	—
1973-63	G-51P – Series 030-400	29NF	300		—	—
1973-58	D5 – Series 150-220	4D	825		T4-4D	—
1973-58	DP3P – Series 150-220	4D	825		T4-4D	—
1973-58	G-3H – Series 150-220	24	325		S3-24	S4-24
1973-58	G-3P – Series 150-220	24	325		S3-24	S4-24
1973-58	G-5 – Series 150-220	24	325		S3-24	S4-24
1973-58	G-52, GC-52, GP-52	2E	525		—	—
1973-58	G-54C, G-54P	24	325		S3-24	S4-24
1973-58	KD – Series 60H-70-80	6D	885		T4-4D	—
1973-58	KDP – Series 60H-70-80	6D	885		T4-4D	—
1973-58	KG, KGP, KGS – Series	1	525		—	—
1963-54	KDP Series 40 – 06	1B	885		T4-4D{26}	—
1953-52	KD Series 40 – 50	1	525	{15}	—	—
ZEFER						
Scissor Lifts						
	ZLS-15HC – 36-volt	GC2	NR	{178}	—	—
	ZLS-15n – 36-volt	GC2	NR	{178}	—	—
	ZLS-19n – 36-volt	GC2	NR	{178}	—	—
	ZLS-20n – 36-volt	GC2	NR	{178}	—	—
	ZLS-26n – 36-volt	GC2	NR	{178}	—	—
	ZLS-32 – 48-volt	GC2H	NR	{320}	—	—

Refer to last page for explanation of footnotes. Recommended replacement batteries may vary from original equipment size/type.