



HTB COMMERCIAL FITMENT GUIDE 2021



AUSTRALIAN  
OWNED  
COMPANY

MAKE	MODEL	YEAR	HI-TEC BATTERIES	ACDelco	DELKOR
<b>DAF</b>					
DAF	XF105-510	2001-2013			
DAF	XF105 FAD 8 x 4 Rigid	2013-on			
DAF	XF105 FTT Starting Batteries	2014-on	VRL590	57090AGM x 2	
DAF	XF105 FTT Auxiliary Batteries	2014-on	VRL590	S59590AGM x 2	
<b>Dayswroth</b>					
Daysworth	Kalmar Terminal Truck (check terminal type)		G31-1000	S31-901MF x 2	31-900 x 2
<b>Dennis - Eagle</b>					
Dennis	Garbage Compactor truck - OEM batteries & tray				
Dennis	modified & batteries relocated		N150	SN150 x 2	N150HD x 2
<b>Ford Trucks (see also Sterling trucks)</b>					
Ford	Aeromax		105D31R	S95D31RHD x 4	27H-750 x 4
Ford	Cargo 0812 / 1313 / 1515 / 1621 / 2421				
Ford	HN80	1998-2009	G31-1000	S31-901MF x 4	31-900 x 4
Ford	HX7500	1998-2009	G31-1000	S31-901MF x 4	31-900 x 4
Ford	LT7500	1998-2009	G31-1000	S31-901MF x 4	31-900 x 4
Ford	L8000 / LN8000	1 x 12volt	N200	SN200	8D-1300
Ford	L9000	4 x 12volt	105D31R	S95D31RHD x 4	27H-750 x 4
Ford	LNT8000 Louisville	4 x 12volt	105D31R	S95D31RHD x 4	27H-750 x 4
Ford	LNT9000 / LTL9000 Louisville	2 x 12volt	N200	SN200 x 2	8D-1300 x 2
Ford	LTL9000 / LTS9000 1st Generation	4 x 6 volt	225		
Ford	Trader 0409 / 0509	2 x 12volt	80D26RX	S80D26R x 2	NX110-5MF x 2
Ford	Trader 4cyl Diesel	1 x 12volt	N120	SPN120MF	PN120MF
Ford	Trader 6cyl Diesel	2 x 12volt	80D26RX	S80D26R x 2	NX110-5MF x 2
Foton					
Foton	45.110		N120	SPN120MF	PN120MF
Foton	65.115		N100	SN100 x 2	N100 x 2
Foton	85.115		N100	SN100 x 2	N100 x 2
<b>Freightliner (Use AGM batteries if mounted inside cabin)</b>					
Freightliner	C112 / C120		G31-1000	S31-901MF x 4	31-900 x 4
Freightliner	Argosy		G31-1000	S31-901MF x 4	31-900 x 4
Freightliner	Century Class		G31-1000	S31-901MF x 4	31-900 x 4
Freightliner	Classic		G31-1000	S31-901MF x 4	31-900 x 4
Freightliner	Columbia (some models use 3 x batteries)		G31-1000	S31-901MF x 4	31-900 x 4
Freightliner	Coronado		G31-1000	S31-901MF x 4	31-900 x 4
Freightliner	FLA / FLB / FLC / FLD Series		G31-1000	S31-901MF x 3	31-900 x 3
Freightliner	Models with AGM batteries mounted in cabin				

FUSO (refer to Mitsubishi)					
<b>GD Bus</b>					
GD Bus	GD70 / GD77	2014-on	N120	SPN120MF x 2	PN120MF x 2
<b>Grove</b>					
Grove	Cranes - Most models (BHD Ledge)				
<b>Higer Bus</b>					
Note: Fit marine terminals to batteries where required					
Higer	A30 Scania coach-based				
Higer	H7 / H8 mid-size 170 - 200HP				
Higer	H9 / H10 mid-large size 250 - 280HP				
Higer	H12 full-size 300 - 320HP			*SN200 x 2	*8D-1300 x 2
<b>Hino</b>					
Hino Bus	AB 26B bus	1985-1995	N120	SPN120MF x 2	PN120MF x 2
Hino Bus	AC 140K Rainbow mid-size bus	1983-1989	N120	SPN120MF x 2	PN120MF x 2
Hino Bus	CH (7M) Rainbow mid-size bus	1987-1999	N120	SPN120MF x 2	PN120MF x 2
Hino Bus	BD / BG full-size bus	1989-on	N150	SN150 x 2	N150 x 2
Hino Bus	BX340E bus	1979-on	N150	SN150 x 2	N150 x 2
Hino Bus	FD230 / FD240 bus		55D23R	S70D23R x 2	55D23R x 2
Hino Bus	HR Rainbow city bus	1999-2011	N120	SPN120MF x 2	PN120MF x 2
Hino Bus	RB / AB Rainbow mid-size bus	1985-1996	N120	SPN120MF x 2	PN120MF x 2
Hino Bus	KR Rainbow II city bus	2004-on			
Hino Bus	RG230 full-size bus	1990-on	N150	SN150 x 2	N150 x 2
Hino Bus	RJ / RR full-size bus	1980-2004	N120	SPN120MF x 2	PN120MF x 2
Hino Bus	RK8J / RN8J full-size bus	1996-on	N150	SN150 x 2	N150 x 2
Hino 300	Dutro 300 Series	2000-on	55D23LX	S70D23L x 2	55D23L x 2
Hino	Dutro 5000 / 6000	2003-2006	80D26LX	S80D26L x 2	NX110-5LMF x 2
Hino	Dutro 6500 / 7500 / 8500	2003-2006	80D26LX	S80D26L x 2	NX110-5LMF x 2
Hino 300	Hybrid 616 / Hybrid 716 / Hybrid 916	2007-on	105D31L	S95D31LHD x 2	27HR-750 x 2
Hino 300	616 / 716 / 816 / 916 (300 Series)	2007-on	55D23LX	S70D23L x 2	55D23L x 2
Hino 300	617 / 717 / 917 / 920 / 921 (300 Series)	2011-on	55D23LX	S70D23L x 2	55D23L x 2
Hino	Ranger Series FC / FD / FE / FF / FG	1989-2001	80D26LX	S80D26L x 2	NX110-5LMF x 2
Hino	Ranger Series GD	1989-2001	80D26LX	S80D26L x 2	NX110-5LMF x 2
Hino 500	Ranger Series (500 Series)	2001-on			
Hino 500	FC 1018 / FC 1022	2001-2016	55D23LX	S70D23L x 2	55D23L x 2
Hino 500	FD 1027 / FD 1124 / FD 1126	2001-2016	55D23LX	S70D23L x 2	55D23L x 2
Hino 500	FD 1124 Crew Heavy-Duty option	2001-2016	N120	SPN120MF x 2	PN120MF x 2
Hino 500	FE 1422 / FE 1426	2001-2016	55D23LX	S70D23L x 2	55D23L x 2
Hino 500	FG 1527 / FG 1628 (can also fit 80D26L)	2001-2016	55D23LX	S70D23L x 2	55D23L x 2

Hino 500	FG 1628 Crew (& H/Duty option)	2001-2016	N120	SPN120MF x 2	PN120MF x 2
Hino 500	FL 2628	2013-on	N120	SPN120MF x 2	PN120MF x 2
Hino 500	FM 2627	2001-2013	80D26LX	S80D26L x 2	NX110-5LMF x 2
Hino 500	FM 2628 / FM 2630 / FM 2632	2001-2016	N120	SPN120MF x 2	PN120MF x 2
Hino 500	FM 2628 / FM 2632 Heavy-Duty option	2001-2016	N150	SN150 x 2	N150 x 2
Hino 500	GD 1227	2003-2011	N120	SPN120MF x 2	PN120MF x 2
Hino 500	GH 1727	1992-2013	80D26LX	S80D26L x 2	NX110-5LMF x 2
Hino 500	GH 1728	2008-2016	N120	SPN120MF x 2	PN120MF x 2
Hino 500	GT 1322 / GT 1322 Crew 4X4	2004-2016	N120	SPN120MF x 2	PN120MF x 2
Hino 700	700 Series FS / FY / SH / SS	2004-2016	N150	SN150 x 2	N150 x 2
<b>I-Bus</b>					
I-Bus (Isuzu-based)	500 / 600		N100L	SN100L x 2	N100L x 2
I-Bus (Isuzu-based)	850		N100L	SN100L x 2	N100L x 2
<b>International Trucks</b>					
International	Acco A510		80D26LX	S80D26L	NX110-5LMF
International	Acco 1630 / 1650 / 1810D		85L550	22F520SMF x 2	22F520 x 2
International	Acco 1850 / 1950		80D26RX	S80D26R x 2	NX110-5MF x 2
International	Acco 2250 / 2350E		105D31R	S95D31RHD x 3	27H-750 x 3
International	2350G		80D26RX	S80D26R x 3	NX110-5MF x 3
International	Acco T Line / T2670 / T2700 / TK Line		105D31R	S95D31RHD x 3	27H-750 x 3
International	Acco 3070 / 3072 Eagle		105D31R	S95D31RHD x 4	27H-750 x 4
International	4470 / 4700		105D31R	S95D31RHD x 4	27H-750 x 4
International	7400 / 7600 (OE may be Group 31 size x 4)		105D31R	S95D31RHD x 4	27H-750 x 4
International	Eagle 9200		G31-1000	S31-901MF x 4	31-900 x 4
International	Eagle 9900		G31-1000	S31-901MF x 4	31-900 x 4
International	Eagle (light-duty option)		105D31R	S95D31RHD x 4	27H-750 x 4
International	ProStar	2017-on	G31-1000T		31-900T x 4
International	S Line / S2600 / S2670 / S3300 / S3600		105D31R	S95D31RHD x 4	27H-750 x 4
International	Transtar / 4670 / 4700		105D31R	S95D31RHD x 4	27H-750 x 4
<b>Isuzu</b>					
Isuzu	CXY / CXZ GIGA	1994-on	N150	SN150 x 2	N150 x 2
Isuzu	EXD / EXY GIGA	1994-on	N150	SN150 x 2	N150 x 2
Isuzu	FYH2000 / FYJ2000 Twin-steer		N100L	SN100L x 2	N100L x 2
Isuzu	FYX2000 Twin-steer		N100L	SN100L x 2	N100L x 2
Isuzu	JCR / JCS	1984-on	80D26RX	S80D26R x 2	NX110-5MF x 2
Isuzu	NKR (can also use PNS70MF / S80D26R)	1985-2005	55D23R	S70D23R x 2	55D23R x 2
Isuzu	NKR	2006-2007	80D26RX	S80D26R x 2	NX110-5MF x 2
Isuzu	NLS200 Crewcab	2009-on	80D26LX	S80D26L x 2	NX110-5LMF x 2

Isuzu	NLR200 / NLR275	2008-on	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	NNR200	2008-on	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	NNR 45-150 / 45-155 / 55-150	current	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	NPR200 / NPR250 / NPR275 / NPR300 / NPR400	1986-2007	80D26RX	S80D26R x 2	NX110-5MF x 2
Isuzu	NPR200 / NPR250 / NPR275 / NPR400	2008-on	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	NPR 65-190 / 75-190	current	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	NPS250 / NPS300 4X4	2000-2007	80D26RX	S80D26R x 2	NX110-5MF x 2
Isuzu	NQR450	1999-2007	80D26RX	S80D26R x 2	NX110-5MF x 2
Isuzu	NQR450	2008-on	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	NQR 87-190	current	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	FRD	2006	55D23R	S70D23R x 2	55D23R x 2
Isuzu	FRD	2007-on	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	FRD 107-210	current	N100L	SN100L x 2	N100L x 2
Isuzu	FRR500 / FRR525 / FRR550	1996-early2009	55D23R	S70D23R x 2	55D23R x 2
Isuzu	FRR500 / FRD500 (Sitec Series III)	2009-on	N100L	SN100L x 2	N100L x 2
Isuzu	FRR600 (Sitec Series II)	2007-2008	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	FRR600 (Sitec Series III)	2009-on	N100L	SN100L x 2	N100L x 2
Isuzu	FRR 107-210 / 110-240 / 110-260	current	N100L	SN100L x 2	N100L x 2
Isuzu	FSD700 / FSD850	2009-on		SN100L x 2	N100L x 2
Isuzu	FSD 120-260 / 140-260	current	N100L	SN100L x 2	N100L x 2
Isuzu	FSR	1985-2005	80D26RX	S80D26R x 2	NX110-5MF x 2
Isuzu	FSR700 / FSR700S (Sitec 220 / 255)	2006	55D23R	S70D23R x 2	55D23R x 2
Isuzu	FSR700 / FSR850 (Sitec Series II)	2007-2008	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	FSR700 / FSR850 (Sitec Series III)	2009-on	N100L	SN100L x 2	N100L x 2
Isuzu	FSR 120-240 / 140-240 / 140-260	current	N100L	SN100L x 2	N100L x 2
Isuzu	FSS550 4X4	2006	55D23R	S70D23R x 2	55D23R x 2
Isuzu	FSS550 4X4	2007-2008	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	FSS550 4X4 Crew Cab	2009-on	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	FSS550 4X4 Single Cab	2009-on	N100L	SN100L x 2	N100L x 2
Isuzu	FSS 110-210 Single Cab	current	N100L	SN100L x 2	N100L x 2
Isuzu	FSS 110-210 Crew Cab	current	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	FTR / FTS	1985-2005	80D26RX	S80D26R x 2	NX110-5MF x 2
Isuzu	FTR900	2006	55D23R	S70D23R x 2	55D23R x 2
Isuzu	FTR900	2013	N100L	SN100L x 2	N100L x 2
Isuzu	FTR 150-260	current			
Isuzu	FTS750 4X4	2006	55D23R	S70D23R x 2	55D23R x 2
Isuzu	FTS800 4X4 Single Cab	2009-on	N100L	SN100L x 2	N100L x 2
Isuzu	FTS800 4X4 Crew Cab	2009-on	80D26LX	S80D26L x 2	NX110-5LMF x 2

Isuzu	FTS 139-240 Single Cab	current	N100L	SN100L x 2	N100L x 2
Isuzu	FTS 139-240 Crew Cab	current	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	FVD1000	2009-2015	N100L	SN100L x 2	N100L x 2
Isuzu	FVD 165-260 / FVD 165-300	2016-on	N100L	SN100L x 2	N100L x 2
Isuzu	FVM1400 / FVL1400	1989-2006	80D26RX	S80D26R x 2	NX110-5MF x 2
Isuzu	FVM1400 / FVL1400	2007-2008	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	FVM1400 / FVL1400	2009-on	N100L	SN100L x 2	N100L x 2
Isuzu	FVR900 / FVR950	1989-	55D23R	S70D23R x 2	55D23R x 2
Isuzu	FVR1000	2009-2015	N100L	SN100L x 2	N100L x 2
Isuzu	FVR 165-260 / FVR 165-300	2016-on	N100L	SN100L x 2	N100L x 2
Isuzu	FVY / FVZ 1400	1999-2006	80D26RX	S80D26R x 2	NX110-5MF x 2
Isuzu	FVY / FVZ 1400	2007-2008	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	FVY / FVZ 1400	2009-2016	N100L	SN100L x 2	N100L x 2
Isuzu	FVZ 1400	1989-1999	55D23R	S70D23R x 2	55D23R x 2
Isuzu	FXD / FXR	2008	80D26LX	S80D26L x 2	NX110-5LMF x 2
Isuzu	FXD1000 / FXR1000	2009-on	N100L	SN100L x 2	N100L x 2
Isuzu	FXL1500	2009-on	N100L	SN100L x 2	N100L x 2
Isuzu	FXZ1500	2008	N100L	S80D26L x 2	NX110-5LMF x 2
Isuzu	FXY1500 / FXZ1500	2009-on	N100L	SN100L x 2	N100L x 2
Isuzu	GIGA GXZ 415hp		N150	SN150 x 2	N150 x 2
Isuzu	GIGA 455hp		N150	SN150 x 2	N150 x 2
Isuzu	Gigamax 510hp		N150	SN150 x 2	N150 x 2
Isuzu	GXD 325hp / GXD 350hp	2009-on		SN100L x 2	N100L x 2
Isuzu	SBR / SCR	1979-on	80D26RX	S80D26R x 2	NX110-5MF x 2
Isuzu	Sitec 350	2015	80D26LX	S80D26L x 2	NX110-5LMF x 2
<b>Iveco</b>					
Iveco	Bus - most models		N150	SN150 x 2	N150 x 2
Iveco	Coach - Eurorider 310 / 380 / 450 hp	current			
Iveco	Daily Van / cab-chassis - all models	to 2014			
Iveco	Daily Van / cab-chassis - all models	2015-on	VRL6105		LN6 AGM
Iveco	Acco - most models	to 2014	105D31R	S95D31RHD x 3	27H-750 x 3
Iveco	Acco update (standard fitment)	2015-on	80D26RX	S80D26R x 3	NX110-5MF x 3
Iveco	Acco update (factory heavy duty upgrade option)	2015-on	105D31R	S95D31RHD x 3	27H-750 x 3
Iveco	Eurocargo 80E / 100E / 130E / 160E / 180E	1999-2012			
Iveco	Eurocargo 80E & 100E may take 160F51				
Iveco	Eurocargo ML120E				
Iveco	Eurocargo ML140 / 160 / 170 / 180 / ML225 / 230	1999-2012			
Iveco	Eurocargo ML Euro 5	2012-2016			

Iveco	Eurocargo ML120 / ML160 / ML180 Euro 6	2017-on			
Iveco	Eurostar	1993-2003			
Iveco	Eurotech MP4100 / MP4500 / MP4700	1998-2006			
Iveco	Powerstar - check if tight fit, use T4105D31R x 4				
Iveco	Powerstar 6400 / 6500 / 6800 / 7200 / 7800	1999-on	105D31R	S95D31RHD x 4	27H-750 x 4
Iveco	Pro Star International	2017-on	G31-1000T		31-900T x 3
Iveco	Stralis - check if tight fit, use T4105D31R x 4	2002-on			
Iveco	Stralis AD 450 / AD 500	2002-on	105D31R	S95D31RHD x 4	27H-750 x 4
Iveco	Stralis AD 505	2002-on	105D31R	S95D31RHD x 4	27H-750 x 4
Iveco	Stralis AS-L 500 / 550 / 560	2002-on	105D31R	S95D31RHD x 4	27H-750 x 4
Iveco	Stralis AS-L series II	2014-on	105D31R	S95D31RHD x 4	27H-750 x 4
Iveco	Stralis AT 450 / AT 500	2002-on	105D31R	S95D31RHD x 4	27H-750 x 4
Iveco	Stralis ATi 360 / 450	2002-2013			
Iveco	Stralis ATi 360 / ATi 450 E5	2014-on			
Iveco	Stralis 460	2002-2013			
Iveco	Stralis 460 EEV	2014-on			
Iveco	Stralis 500 EEV / 550 / 560 E5 (Aust. Build)	2002-on			
Iveco	Trakker	2004-on			

#### Kenworth

Kenworth	Early models C500, K120, K140, L700, W900	(4 x 6 volt)			
Kenworth	C501 / C508 / C509 / C510 / C540		105D31R	S95D31RHD x 4	27H-750 x 4
Kenworth	K100 / K104 / K108		105D31R	S95D31RHD x 4	27H-750 x 4
Kenworth	K125		105D31R	S95D31RHD x 4	27H-750 x 4
Kenworth	K200		105D31R	S95D31RHD x 4	27H-750 x 4
Kenworth	SAR 408 / 409	to 12/2013	105D31R	S95D31RHD x 4	27H-750 x 4
Kenworth	T300 / T350 / T358 / T359 / T388 (check 3 or 4 batteries)		105D31R	S95D31RHD x 3	27H-750 x 3
Kenworth	T400 / T401 / T402 / T403 / T404 / T408 / T409	to 12/2013	105D31R	S95D31RHD x 4	27H-750 x 4
Kenworth	T409 / T409 SAR Paccar MX-13 engine - 24 volt	2014-on			
Kenworth	T440		105D31R	S95D31RHD x 4	27H-750 x 4
Kenworth	T600 / T601 / T604 / T608 / T609		105D31R	S95D31RHD x 4	27H-750 x 4
Kenworth	T650 / T658 / T659		105D31R	S95D31RHD x 4	27H-750 x 4
Kenworth	T900 / T904 / T908 / T909 / T950		105D31R	S95D31RHD x 4	27H-750 x 4
Kenworth	T909 with longe-range fuel tanks option		58588	S58515 x 4	58515 x 4

#### Liebherr Cranes

Liebherr	Most (Crane) models (bottom hold-down ledges)				
Liebherr	L550 / L586 wheel loader				

Mack					
Mack	Bus - most models				
Mack	Australian-assembled trucks		105D31R		27H-750 x 4
Mack	270 (Renault-based model)				
Mack	CH Series Fleet-Liner	1989-on	105D31R	S95D31RHD x 4	27H-750 x 4
Mack	Larger Renault-based (European)				
Mack	Granite 435 - 500HP	2001-on	105D31R	S95D31RHD x 4	27H-750 x 4
Mack	Metro-Liner 320 - 400HP		105D31R	S95D31RHD x 4	27H-750 x 4
Mack	Mid-Liner G60RST				
Mack	Quantum 435 - 470HP	2001 & 2005	105D31R	S95D31RHD x 4	27H-750 x 4
Mack	Super-Liner 600 - 685HP		105D31R	S95D31RHD x 4	27H-750 x 4
Mack	Titan 600 - 685HP		105D31R	S95D31RHD x 4	27H-750 x 4
Mack	Trident 500 - 535HP		105D31R	S95D31RHD x 4	27H-750 x 4
Mack	USA-built models		105D31R	S95D31RHD x 4	27H-750 x 4
Mack	Value-Liner		G31-1000	S31-901MF x 4	31-900 x 4
Mack	Vision CX612 / CXN612	1999-on			

MAN					
M.A.N	10.155 / 10.220 / 11.296 bus				
M.A.N	12.190 / 14.230 bus				
M.A.N	18.270 / 18.290 / 18.350 bus / coach				
M.A.N	19.290 / 19.320 bus / coach				
M.A.N	22.280 / 22.370 / 24.420 coach				
M.A.N	C130 Bus				
M.A.N	Starliner coach				
M.A.N	Trucks - Most Models	1990-2014			
M.A.N	15.280 / 18.280 / 18.330 / 18.340				
M.A.N	TGA Series	2000-on			
M.A.N	TGM Series (check battery width is 273mm)	2005-2013			
M.A.N	TGM Series	2014-on	60044		60038 x 2
M.A.N	TGS Series (if fitted with narrow width 190mm)	2007-on			
M.A.N	TGS Series (standard option battery width 222mm)	2007-on			
M.A.N	TGS 35.440 H/D option (battery width 273mm)				
M.A.N	TGS 41.480 H/D option (battery width 273mm)				
M.A.N	TGX Series	2007-2013			
M.A.N	TGX 18.400 / 18.480 / 26.480				
M.A.N	TGX 26.480 H/D option (battery width 273mm)				
M.A.N	TGX 26.540 / 26.560 (battery width 273mm)	2014-on			
M.A.N	TGX D38	2016-on			



Mazda					
Mazda	E2700 / E3000		N120	SPN120MF	PN120MF
Mazda	E2500 / E3800		80D26RX	S80D26R x 2	NX110-5MF x 2
Mazda	T3000 / T3500 / T3500 bus		N120	SPN120MF	PN120MF
Mazda	T4000		80D26RX	S80D26R x 2	NX110-5MF x 2
Mazda	T4100 / T4600		105D31R	S95D31RHD x 2	27H-750 x 2
Mercedes Benz					
Mercedes Benz	1830 bus				
Mercedes Benz	Citaro coach (with Gel batteries fitted OEM)				
Mercedes Benz	Citaro coach	1998-on			
Mercedes Benz	Cito bus / coach	1999-on			
Mercedes Benz	Conecto bus / coach	2001-on			
Mercedes Benz	O 500LE / O 500RF 3-axle coach				
Mercedes Benz	O 500R / O 500U bus				
Mercedes Benz	O 510 coach				
Mercedes Benz	Tourino / Turismo bus / coach	1995-on			
Mercedes Benz	1418 / 1918 / 1924 / 2224 / 2620 / 2624	early models	DIN110		61044 x 2
Mercedes Benz	1830LL (Econic)	current			
Mercedes Benz	1833 BlueTec EEV				
Mercedes Benz	Actros Series MP1 /MP2 / MP3 - all models	1996-2013			
Mercedes Benz	Actros 1836 / 1841 / 1844 / 1848 MP2 - MP4	2002-on			
Mercedes Benz	Actros 2641 / 2643 / 2644 / 2646 / 2648 MP1 - MP3	1996-2013			
Mercedes Benz	Actros 2643 / 2646 heavy-duty option (std = N150As)	2014-on			
Mercedes Benz	Actros 2636 / 2641 / 2644 / 2648 MP4 series	2014-on			
Mercedes Benz	Actros 2650 / 2651 / 2653 / 2660 MP2 - MP3	2002-2013			
Mercedes Benz	Actros 2651 / 2655 / 2660 standard fitment	2014-on			
Mercedes Benz	Actros 2651 / 2655 / 2660 heavy-duty option	2014-on			
Mercedes Benz	Actros 2653 / 2658 / 2663 BlueTec 6	2016-on			
Mercedes Benz	Actros 2653 / 2658 / 2663 BlueTec 6 h-duty option	2016-on			
Mercedes Benz	Actros 3240 / 3244	2000-on			
Mercedes Benz	Actros 3341 / 3344 / 3348 series MP4	2014-on			
Mercedes Benz	Actros 4141 / 4144 / 4148 series MP4	2014-on			
Mercedes Benz	Actros 4141 / 4144 / 4148 heavy duty option	2014-on			
Mercedes Benz	Atego heavy duty option				
Mercedes Benz	Atego 1224 / 1229				
Mercedes Benz	Atego 1623 / 1624 / 1626 / 1628 / 1629				
Mercedes Benz	Atego 2324 / 2328 / 2329				
Mercedes Benz	Axor 1833 / 2533 / 2629 / 2633 standard fitment	2001-2016			

Mercedes Benz	Axor EEV BlueTec heavy duty option	2011-on			
Mercedes Benz	Econic standard fitment				
Mercedes Benz	Econic heavy duty option (battery width 273mm)				
Mercedes Benz	Sprinter Diesel - if fitted with non-AGM battery	1998-2014	60044	S60038	60038
Mercedes Benz	Sprinter Diesel - if fitted with AGM / VRLA battery	2007-2017	VRL590	59590AGM	BLN5
Mercedes Benz	SK 1728 / 1729 / 1735 / 1748	1989-1999			
Mercedes Benz	SK 1831 / 1834 / 1844 / 1853	1989-1999			
Mercedes Benz	SK 1922 / 1929	1989-1999			
Mercedes Benz	Unimog most models				
Mercedes Benz	Zetros	2009-on			
<b>Mitsubishi (Fuso)</b>					
Fuso	Bus - mid-size		80D26RX	S80D26R x 2	NX110-5MF x 2
Fuso	Bus - MP city bus		N150	SN150 x 2	N150 x 2
Fuso	Bus - MP school bus		N120	SPN120MF x 2	PN120MF x 2
Fuso	Bus - Rosa bus		80D26RX	S80D26R x 2	NX110-5MF x 2
Fuso	Canter FE / FG models	1983-2010	80D26RX	S80D26R x 2	NX110-5MF x 2
Fuso	Canter 4D55 / 4D56 engine 2.3 / 2.5ltr	1986-1988	N100	SN100	N100R
Fuso	Canter FE83 (12 volt parallel)	to 2011	80D26RX	S80D26R x 2	NX110-5MF x 2
Fuso	Canter FE83 (12 volt parallel - H/Duty option)	to 2011	N100	SN100 x 2	N100R x 2
Fuso	Canter FE84 / FE85 (12 volt parallel)	to 2011	N100	SN100 x 2	N100R x 2
Fuso	Canter FE112 / FE122 (24 volt)	to 2011	80D26RX	S80D26R x 2	NX110-5MF x 2
Fuso	Canter FE126 / FE155 (24 volt)	to 2011	80D26RX	S80D26R x 2	NX110-5MF x 2
Fuso	Canter FE130 (12 volt)	to 2011	N100	SN100	N100R
Fuso	Canter Eco-Hybrid	2012-on	105D31L	S95D31L x 2	27HR-750 x 2
Fuso	Canter 413 (FEA21) (12 volt)	2011-on	105D31L	S95D31L x 2	27HR-750 x 2
Fuso	Canter 515 (FEA21 / FEB21 / FEA55) (12 volt)	2011-on	105D31L	S95D31L x 2	27HR-750 x 2
Fuso	Canter 615 / 715 / 815	Check Polarity	105D31L	S95D31L x 2	27HR-750 x 2
Fuso	Canter 716		80D26RX	S70D23R x 2	55D23R x 2
Fuso	Canter 918	Check Polarity	105D31L	S95D31L x 2	27HR-750 x 2
Fuso	FK Series	1984-2007	55D23R	S70D23R x 2	55D23R x 2
Fuso	Fighter FK1024 / 1224 / 1227		55D23R	S70D23R x 2	55D23R x 2
Fuso	Fighter FK1424 / 1427		55D23R	S70D23R x 2	55D23R x 2
Fuso	Fighter FM1627		80D26RX	S80D26R x 2	NX110-5MF x 2
Fuso	Fighter FN2427		80D26RX	S80D26R x 2	NX110-5MF x 2
Fuso	Hybrid (check polarity)		105D31R	S95D31RHD x 2	27H-750 x 2
Fuso	Hybrid	2016-on			
Fuso	FP / FS / FV Series		N150	SN150 x 2	N150 x 2
Fuso	City Bus		N150	SN150 x 2	N150 x 2
Mitsubishi	Rosa Bus (can use 2 x 55D23R)		80D26RX	S80D26R x 2	NX110-5MF x 2

Peterbuilt					
Peterbuilt	Most models (check for stud terminals)		G31-1000	S31-901MF x 3	31-900 x 3
Peterbilt	Models fitted with threaded stud terminals		G31-1000T		31-900T x 3
Renault					
Renault	180dci		N150EN	SN150L x 2	N150RHD x 2
Renault	Midlum		N150EN	SN150L x 2	N150RHD x 2
Scania					
NOTE: Older models may have been modified due to non-availability of OEM-type batteries					
Scania	A30 bus	2011-on			
Scania	K series bus / coach				
Scania	Bus / coach - Most models				
Scania	Bus L94UB (can fit RHPos)				
Scania	2-Series 82M / 92M / 112M	1980-1989	N120	SPN120MF x 2	PN120MF x 2
Scania	2-Series 112H / 142H	1980-1989	N120	SPN120MF x 2	PN120MF x 2
Scania	3-Series 113M / 143M (check for alterations)	1987-1997	N150EN		
Scania	4-Series	1995-2004	N150EN		
Scania	124L / 144L / 164L	1995-2005	N150EN		
Scania	94D	1995-2005	N150EN		
Scania	94G / 114G / 124G / 144G / 164G	1995-2006	N150EN		
Scania	G-Series	2007-on	N150EN		
Scania	G440 / G480	2007-on	N150EN		
Scania	G490 Euro VI	2015-on	N150EN		
Scania	L-Series (3-Series)	1987-1995	N120	SPN120MF x 2	PN120MF x 2
Scania	P93 / P113 (3-Series) (check for alterations)	1987-1996	N150EN		
Scania	P94 / P124	1995-2004	N150EN		
Scania	P-Series (4-Series)	2004-on	N150EN		
Scania	P250 / P260 / P310	2004-2007	N150EN		
Scania	P280 / P320 / P380 / P420 / P440	2007-on	N150EN		
Scania	P450 (batteries at rear of chassis)	2014-on	N150EN		
Scania	R113 / R143 (old model - check for alterations)	1987-1997	N150EN		
Scania	R94 / R114 / R124 / R144 / R164	1995-2005	N150EN		
Scania	R420 / R480	2005-2014	N200EN		
Scania	R490 Euro VI	2015-on	N200EN		
Scania	R500 / R560 / R580	2008-2014	N150EN		
Scania	R500 / R580 / R620 (check battery width 276mm)	2015-on	N200EN		
Scania	R580 Euro VI	2015-on	N200EN		
Scania	R620 (Australian assembly)	2010	N150	SN150 x 2	N150 x 2
Scania	R620	2013-on	N150		

Scania	R730 (check battery width 276mm)	2011-on	N200L		
Scania	T143 (check for alterations)	1987-1997	N150EN		
Scania	T-Series T124 / T144 / T164	1996-2006	N150EN		

#### Sterling Trucks (1997 - 2009)

Sterling	HN80	1998-on	G31-1000	S31-901MF x 4	31-900 x 4
Sterling	HX7500 / HX9500	1998-on	G31-1000	S31-901MF x 4	31-900 x 4
Sterling	L7500 / L7501	1998-on	105D31R	S95D31RHD x 2	27H-750 x 2
Sterling	LA9513	1998-on	G31-1000	S31-901MF x 4	31-900 x 4
Sterling	LT4500 / LT4599A	1999-2009	G31-1000	S31-901MF x 4	31-900 x 4
Sterling	LT7500 / LT7599A	1999-2009	G31-1000	S31-901MF x 4	31-900 x 4
Sterling	AT9500 / LT9500 / LT9599 / LT9700	1999-2009	G31-1000	S31-901MF x 4	31-900 x 4

#### Toyota (see also Toyota Material Handling)

Toyota	Coaster bus		80D26RX	S80D26R x 2	NX110-5MF x 2
Toyota	Dyna Diesel - most models (can use 31-900)		N100L	SN100L	N100L

#### U.D. (Nissan)

U.D.	CK17-380		N150	SN150 x 2	N150 x 2
U.D.	CM88 / CP60038MF		N150	SN150 x 2	N150 x 2
U.D.	CW26-380		N150	SN150 x 2	N150 x 2
U.D.	CWA310		N150	SN150 x 2	N150 x 2
U.D.	CW385 / CW445		N150	SN150 x 2	N150 x 2
U.D.	GK17-420		N150	SN150 x 2	N150 x 2
U.D.	GW 26-420 / GW26-470		N150	SN150 x 2	N150 x 2
U.D.	MK11-250 / MK11-280		N120	SPN120MF x 2	PN120MF x 2
U.D.	MK185 / MK210 / MK240 / MK265		N120	SPN120MF x 2	PN120MF x 2
U.D.	PD24-280		N120	SPN120MF x 2	PN120MF x 2
U.D.	PK16-250 / PK16-280		N120	SPN120MF x 2	PN120MF x 2
U.D.	PK17-280		N120	SPN120MF x 2	PN120MF x 2
U.D.	PK220 / PK250 / PK265		N120	SPN120MF x 2	PN120MF x 2

#### Volvo Trucks

Note: Most Australian-assembled Volvo trucks to 2013 = 2 x N150 behind cabin. Most European-built trucks to 2013 = 2 x PN150ENMF Euro-spec. (DIN spec.)

Volvo	Bus B7R / B7RLA		N150 OR N200		
Volvo	Bus B9R		N150 OR N200		
Volvo	Bus B10B / B10BLE / B10M (can fit RHPos)		N150 OR N200		
Volvo	Bus B12BLE		N150 OR N200		
Volvo	Coach B11R		N150 OR N200		
Volvo	Coach B12R		N150 OR N200		
Volvo	Coach Marco Polo		N150 OR N200		
Volvo	Coach Most Models		N150 OR N200		

Volvo	A35E / A35F articulated hauler		N150 OR N200		
Volvo	A40E / A40F articulated hauler		N150 OR N200		
Volvo	F10 / F12 (if fitted with 4 batteries)	1978-1987	85R550	22FR520SMF x 4	22FR-520 x 4
Volvo	F10 / F12 (if fitted with 2 batteries)	1983-1996	N150	SN150 x 2	N150 x 2
Volvo	F16 (for fully imported models use PN150ENMF x 2)	1988-2000	N150	SN150 x 2	N150 x 2
Volvo	FE 280 / FE 300 / FE 320 / FE 340 (Euro-built)	2006-2013			
Volvo	FE Series II Euro VI spec	2014-on			
Volvo	FH12-380 / FH12-420 / FH12-460 / FH12-500	1993-2013	N150	SN150 x 2	N150 x 2
Volvo	FH13-480 / FH13-500 / FH13-520 / FH13-540	2004-2014	N150	SN150 x 2	N150 x 2
Volvo	FH15 Cummins engine - all models	1998-2006	N150	SN150 x 2	N150 x 2
Volvo	FH16-470 / FH16-520 / 540 / 580 (Australian)	1993-2013	N150	SN150 x 2	N150 x 2
Volvo	FH16-600 / FH16-610 / FH16-660 / FH16-700	1998-2013	N150	SN150 x 2	N150 x 2
Volvo	FH16-600 / FH16-700 Euro VI spec	2014-on			
Volvo	FH Series - for Fully-imported models	1998-2013			
Volvo	FH 360 / FH 400 / FH 440 / FH 480 (Australian)	2005-2013	N150	SN150 x 2	N150 x 2
Volvo	FH 420 / FH 460 / FH 500 / FH 540 / FH 600 / FH 660	2005-2013	N150	SN150 x 2	N150 x 2
Volvo	FH Series - all models	2014-on			
Volvo	FL6	1988-2002	G31-1000	S31-901MF x 2	31-900 x 2
Volvo	FL7 / FL7 FD	1986-2000	G31-1000	S31-901MF x 2	31-900 x 2
Volvo	FL10 (if fitted with 4 batteries)	1988-2000	85R550	22FR520SMF x 4	22FR-520 x 4
Volvo	FL10 (if fitted with 2 batteries)	1988-2000	G31-1000	S31-901MF x 2	31-900 x 2
Volvo	FL12 (original fitment may be PN150ENMF x 2)	1990-2000	N150	SN150 x 2	N150 x 2
Volvo	FM12-420 / FM12-460	1998-2006	N150	SN150 x 2	N150 x 2
Volvo	FM13-460 / FM13-480 / FM13-500	2006-2013	N150	SN150 x 2	N150 x 2
Volvo	FM 410 / 450 (Aust-assembled)	1998-2013	N150	SN150 x 2	N150 x 2
Volvo	FM 410 / FM 540	2014-on			
Volvo	FM7 (original fitment PN150ENMF x 2)	1998-2002	N150	SN150 x 2	N150 x 2
Volvo	FM9 (original fitment PN150ENMF x 2)	2002-on	N150	SN150 x 2	N150 x 2
Volvo	FM10 (original fitment PN150ENMF x 2)	1998-2002	N150	SN150 x 2	N150 x 2
Volvo	FM12-340 / FM12-380 / FM12-420 rigid (imported)				
Volvo	FM 350 rigid / FM 370 / FM 400 rigid (imported)	2006-2013			
Volvo	FM 450 / FM 500	2006-2013	N150	SN150 x 2	N150 x 2
Volvo	FMX 11 / FMX 13	2010-on			
Volvo	G88 / G89 (check battery length 500mm)	1972-1979	N150	SN150 x 2	N150 x 2
Volvo	N10 / N12 (check battery length 335mm)	1984-1998	G31-1000	S31-901MF x 2	31-900 x 2
Volvo	N10 / N12 heavy-duty option (check length 500mm)	1984-1998	N150	SN150 x 2	N150 x 2
Volvo	NH12 Series (original fitment may be PN150ENMF x 2)	1990-2000	N150	SN150 x 2	N150 x 2
Volvo	NL 10 / NL12 Series (original may be PN150ENMF x 2)	1990-2000	N150	SN150 x 2	N150 x 2

## Western Star

Note:- most Western Stars use threaded stud terminals

Western Star	Most prime movers	1999-on	G31-1000T		31-900T x 4
Western Star	4764 / 4784		G31-1000T		31-900T x 3
Western Star	4800FS / 4800FS2		G31-1000T		31-900T x 3
Western Star	4800FS Constellation DD13 engine		G31-1000T		31-900T x 4
Western Star	4800FS Constellation DD15 engine (AGM batteries)		G31-1000T		
Western Star	4800FXB / 4800FXC (AGM batteries in cabin)				
Western Star	4864FX	1987-2011	G31-1000T		
Western Star	4864FXB (use only AGM batteries if in cabin)		G31-1000T		31-900T x 4
Western Star	4900FXC / 4900FXT (AGM batteries in cabin)		G31-1000T		
Western Star	4900FXC / 4900FXT (batteries on chassis)		G31-1000T		31-900T x 4
Western Star	4964FX		G31-1000T		31-900T x 4
Western Star	5800SS (some models take 3 x batteries)		G31-1000T		31-900T x 4
Western Star	5964		G31-1000T		31-900T x 4
Western Star	6900FXC		G31-1000T		31-900T x 4
Yutong Bus					
Yutong	27 seat Mid-size				
Yutong	39 seat Mid-Large size				
Yutong	ZK6131HGI Full-size				

### \*Disclaimer

Whilst every endeavor is made to ensure all details within this catalogue are correct at the time of printing, battery specifications and other specific information are subject to change without notice. Therefore we strongly recommend to always check the replacement battery against the existing one to ensure that the battery type, size, capacity and terminal configuration are suitable for the application prior to installation. The content of the R & J Batteries Commercial Application Guide is provided for information purposes only. No claim is made as to the accuracy or authenticity of the content of this document. R & J Batteries accept no liability to any person or institution for the information or advice, (or the use of such information or advice), which is provided in the catalogue or incorporated into it by reference.”

MAKE	MODEL	YEAR		ACDelco	DELKOR
<b>Agrison</b>					
Agrison	60HP / 75HP / 90HP / 100HP		N100	SN100	N100R
Agrison	100HP / 130HP				
Allis-Chalmers					
Allis Chalmers	4W220 / 4W305 tractor		N200	SN200 x 2	8D-1300 x 2
Allis Chalmers	6000 series tractors	1974-1986	G31-1000	S31-901MF x 2	31-900 x 2
Allis Chalmers	7000 series tractors	1973-1982	G31-1000	S31-901MF x 2	31-900 x 2
Allis Chalmers	8000 series tractors 8030 / 8070 / 8550	1977-1986	G31-1000	S31-901MF x 2	31-900 x 2
<b>Ammann</b>					
Ammann	AV110 / AV120 / AV130 X tandem roller				
<b>Apollo - Refer to SOTA</b>					
ASV (see also Terex)					
ASV	PT30 skid-steer		78-670		75-610
ASV	PT50 / PT60 skid-steer loader		78-670	S78-6MF	78DT-790
ASV	PT100 / RC100 skid-steer loader (may be stud term.)		G31-1000	S31-901MF	31-900
ASV	RC30 skid-steer loader (difficult installation)		78-670		75-610
ASV	RC50 / RC60 skid-steer		78-670	S78-6MF	
ASV	RCV85 skid-steer loader				
ASV	RT60 skid-steer		80D26RX	S80D26R	NX110-5MF
ASV	SR80 skid-steer loader				
ASV	VT-70 skid-steer loader (can use DEL34-610)		78-670	S78DT-6MF	78DT-790
<b>Atlas Copco</b>					
Atlas Copco	XAS88 compressor		56638	S57220	58012
<b>Bobcat (See also CLARK Equipment)</b>					
Note: Some models require end hold-down ledges					
Bobcat Backhoe	Backhoe B100		EFB80D26L	SS95D26LEFB	SS95D26LEFB
Bobcat Backhoe	Backhoe B100 / B200 / B250 / B275		56638	S57450EFB	58012
Bobcat Excavator	220 / 225 / 231 / 325 / 331		EFB95D31R		SS95D26REFB
Bobcat Excavator	319 / 320 / 321 / 322 / 323 / 325 / 328 / 329				
Bobcat Excavator	331 / 334 / 335 / 337 / 341				
Bobcat Excavator	418 / 425 / 428				
Bobcat Excavator	430 / 435 / 442 / 444		EFB95D31R		SS95D26REFB
Bobcat Excavator	E10 / E14 / E16				
Bobcat Excavator	E17 / E19 / E20		G31-1000	S31-901MF	31-900
Bobcat Excavator	E25 / E26 / E32 / E35		80D26RX	S80D26R	NX110-5MF
Bobcat Excavator	E42 / E45 / E50 / E55		80D26RX	S80D26R	NX110-5MF

Bobcat Excavator	E60		G31-1000	S31-901MF	31-900
Bobcat Loader	631 / 641 / 643 / 645 / 731 / 741		G31-1000	S31-901MF	31-900
Bobcat Loader	743 / 751 / 753 / 763 / 773		G31-1000	S31-901MF	31-900
Bobcat Loader	843 / 853 / 7753		G31-1000	S31-901MF	31-9000
Bobcat Loader	S70 / S100 / S130 Skid-steer		80D26RX	S80D26R	NX110-5MF
Bobcat Loader	S150 / S160 Skid-steer		80D26RX	S80D26R	NX110-5MF
Bobcat Loader	S175 / S185 / S205		80D26RX	S80D26R	NX110-5MF
Bobcat Loader	S220 / S250 / S300 / S330		G31-1000	S31-901MF	31-900
Bobcat Loader	S450 / S510 / S530 / S550		G31-1000	S31-901MF	31-900
Bobcat Loader	S570 / S590 / S630 / S650		G31-1000	S31-901MF	31-900
Bobcat Loader	S740 / S750 / S770 / A770 / S850		G31-1000	S31-901MF	31-900
Bobcat Loader	T180 / T190 Track		80D26RX	S80D26R	NX110-5MF
Bobcat Loader	T200 / T250 / T300 / T320 Track		G31-1000	S31-901MF	31-900
Bobcat Loader	T450 / T550 / T590 Track		G31-1000	S31-901MF	31-900
Bobcat Loader	TL470		G31-1000		
Bobcat Loader	T630 / T650 Track		G31-1000	S31-901MF	31-900
Bobcat Loader	T750 / T770 / T870 Track		G31-1000	S31-901MF	31-900
Bobcat	Telescopic Handler T2250		G31-1000		
Bobcat	Utility vehicle 3400 / 3450 / 3600 / 3650		G31-1000		
Bobcat	VersaHandler V417		G31-1000		
Bomag Industrial					
Bomag	BF223 C paver		105D31R	S95D31RHD	27H-750
Bomag	BW11 RH roller		60044	S60038	60038
Bomag	BW100AD / BW120ADL (for heavy duty use EFB)		VRL590	S59096	59096
Bomag	BW120 AD roller (for heavy-duty use EFB)		55530	S56030	56219
Bomag	BW138 AD roller		60044	S60038	60038
Bomag	BW160 roller				
Bomag	BW213 D / BW216 PD roller		DIN110		61044
Bomag	BW219 D roller		G31-1000	S31-901MF x 2	31-900 x 2
Bomag	BWW5 RH roller		G31-1000		31-1000

**Case I.H. (see also CASE Industrial section)**

Case IH	CX60 / CX70 / CX80 / CX90 tractor	1998-2003	N120EN		EUROPN120MF
Case IH	CVX130 / CVX150 / CVX170 (twin battery model)	2000-2005	56638	S57220 x 2	58012 x 2
Case IH	CVX130 / CVX150 / CVX170 (single battery model)	2000-2005			
Case IH	CVX1135 / CVX1155	2003-2008			
Case IH	CVX1170 / CVX1190	2003-2009			
Case IH	1270 / 1370 tractor	1971-1978			
Case IH	1640 harvester		105D31R	S95D31RHD x 2	27H-750 x 2



Case IH	2120 / 2130 / 2140 / 2150 tractor	1988-2001	105D31L	S95D31LHD	27HR-750
Case IH	2166 / 2366 / 2188 / 2388 / 2588 harvester		G31-1000	S31-901MF x 2	31-900 x 2
Case IH	3210 / 3220 / 3230	1994-1999			
Case IH	4210 / 4230 / 4240	1994-1998			
Case IH	5120 / 5130 / 5140	1990-1993			
Case IH	5220 / 5230 / 5240 / 5250	1992-1999			
Case IH	6088 / 7088 harvester		G31-1000	S31-901MF x 2	31-900 x 2
Case IH	6120 / 6130 harvester		G31-1000	S31-901MF x 2	31-900 x 2
Case IH	7010 / 8010 harvester		G31-1000	S31-901MF x 2	31-900 x 2
Case IH	7110 / 7120 / 7130 / 7140 / 7150 tractor	1987-1994	G31-1000	S31-900MF x 2	31-900T x 2
Case IH	7120 / 8120 / 9120 harvester		G31-1000	S31-901MF x 2	31-900 x 2
Case IH	7230 / 8230 / 9230 harvester		G31-1000	S31-901MF x 2	31-900 x 2
Case IH	8240 / 9240 harvester		G31-1000	S31-901MF x 2	31-900 x 2
Case IH	8910 / 8920 / 8930 / 8940 / 8950 tractor	1997-2000	G31-1000	S31-901MF x 2	31-900 x 2
Case IH	9130 / 9150 / 9180 tractor (stud terminals)	1986-1991	G31-1000	S31-900MF x 2	31-900T x 2
Case IH	9210 / 9230 / 9250 / 9260 / 9270 / 9280 tractor	1990-1996	G31-1000	S31-900MF x 2	31-900T x 2
Case IH	9310 / 9330 / 9350 / 9370 / 9380 / 9390	1996-2001	G31-1000	S31-900MF x 2	31-900T x 2
Case IH	Farmall 40B / 50B	2015-on	105D31R	S95D31RHD	27H-750
Case IH	Farmall 60B	2015-on	60044		
Case IH	Farmall 70 / 80 / 90 / 95 (made in Turkey)	2008-on	60044		
Case IH	Farmall 65C / 75C / 85C / 95C (made in Italy)	2008-2015	58043	S59095	59095
Case IH	Farmall 85U / 95U / 105U / 115U (Italy)	2008-2013			
Case IH	Farmall 105C / 115C (OE = DIN88H LHPos)	2008-2016	58043	S59095	59095
Case IH	Farmall 105U / 115U	2013-2017			
Case IH	Farmall 110A / 120A / 125A / 140A	2012-on			
Case IH	Farmall JX60U / JX80U / JX90U / JX100U (Italy)	2002-2006			
Case IH	Farmall JX55 / JX65 / JX75 / JX85 / JX95 (RH Pos)	2002-2010	G31-1000	S31-901MF	31-900
Case IH	Farmall JX65 / JX75 / JX85 / JX95 (terminals at one end)				
Case IH	Farmall JX60 / JX70 / JX80 / JX90 (RH Pos layout)	2007-2009			
Case IH	Farmall JX70 / JX80 / JX90 (terminals at one end)	2007-2009			
Case IH	Farmall JX90 / JX110 (bottom hold-down ledge)	2009-2013			
Case IH	Farmall JX90 / JX110	2014-on			
Case IH	Magnum 180 / 190 / 210 / 215 / 225 / 235	2005-2014	G31-1000		31-1000 x 2
Case IH	Magnum 245 / 250 / 260 / 275 / 280 / 290	2005-on	G31-1000		31-1000 x 2
Case IH	Magnum 305 / 310 / 315 / 335 / 340 / 370	2005-on	G31-1000		31-1000 x 2
Case IH	Magnum 200 / 220 / 240 / 380	2014-on	G31-1000		31-1000 x 2
Case IH	Maxxum 110 / 115 / 120 / 130 / 140	2007-2011			
Case IH	Maxxum 110 / 115 / 120 / 125 / 130 / 140	2012-2014	G31-1000	S31-901MF x 2	31-900 x 2

Case IH	Maxxum 115 / 120 / 125 / 135 / 145 / 150	2015-on			
Case IH	MX80C / MX90C / MX100C (English models)	1998-2003			
Case IH	MX100 / MX110 / MX120 / MX135 / MX150 / MX170	1997-2003	G31-1000	S31-901MF x 2	31-900 x 2
Case IH	MX200 / MX220 / MX240 / MX270 Magnum	1999-2003	G31-1000	S31-900MF x 2	31-900T x 2
Case IH	MX210 / MX230 / MX255 / MX285 Magnum	2003-2007	G31-1000		31-1000 x 2
Case IH	MX215 / MX245 / MX275 / MX305 Magnum	2006-2008	G31-1000		31-1000x 2
Case IH	MXM120 / MXM130 / MXM140 / MXM155 / MXM175	2002-2008			
Case IH	MXU110 / MXU115 / MXU125 / MXU135	2004-2008			
Case IH	MXU110 / MXU115 / MXU125 / MXU135 (Optional)	2004-2008			
Case IH	MXU100X / MXU110X / 115X / 125X / 140X				
Case IH	Patriot 3330 sprayer				
Case IH	Patriot 4420 / 4430 sprayer	2007-on	G31-1000		31-900T
Case IH	Puma 115 / 125 / 140 / 155	2008-2011			
Case IH	Puma 130 / 145 / 170 / 185 / 200 / 215 / 230	2011-2013			
Case IH	Puma 150 / 155 / 165 / 185 / 200 / 220 / 240	2014-on			
Case IH	Puma 165 / 180 / 195 / 210 / 225	2007-2011			
Case IH	Puma (for models fitted with 2 x batteries)		G31-1000	S31-901MF x 2	31-900 x 2
Case IH	SPX 4410 / SP4420 sprayer		G31-1000T		31-900T
Case IH / Steiger	STX275 / STX325 / 375 / 425 (may be stud post)	2000-2006	G31-1000T		31-900(T) x 2
Case IH / Steiger	STX280 / STX330 / 380 / 430 / 480 / 530	2006-2008	G31-1000T		31-900(T) x 2
Case IH / Steiger	Steiger 335 / 385 / 435 / 485 / 535	2007-2011			
Case IH / Steiger	Steiger 350 / 400 / 450 / 500 / 550 / 600	2011-2014			
<b>Case Industrial &amp; Construction</b>					
Case	21F / 121F / 221F / 321F compact loader				
Case	420-S3 skid-steer loader		G31-1000	S31-901MF	31-900
Case	465 skid-steer loader		58515	S58515	58515
Case	521F loader				
Case	580 / 590 / 590 Super M	2002-on	G31-1000	S31-901MF	31-900
Case	580ST / 590ST / 695ST (check for recessed terminals)		G31-1000	S31-901MF	31-900
Case	590ST / 695 Super (low-profile option)		60044	S60038	60038
Case	621B / 721B loader		105D31R	S95D31RHD x 2	27H-750 x 2
Case	621D / 621F loader				
Case	721F / 821F / 921 loader (battery length 340mm)				
Case	821 / 921 loader h/duty option (battery 510mm)		N150	SN150 x 2	N150HD x 2
Case	865B grader				
Case	CX47 / CX50B / CX55B excavator	2008-on	105D31R	S95D31LHD	27HR-750
Case	CX145C / CX235C excavator				
Case	CX210B-C / CX240B / CX250C excavator				

Case	CX300C / CX350 / CX470C excavator				
Case	SR130 / SR150 / SR175 / SV185 skid-steer loader	~2013	G31-1000	S31-901MF	31-900
Case	SR200 / SR220 skid-steer loader	~2014	G31-1000	S31-901MF	31-900
Case	SR250 / SV250 / SV300 skid-steer loader	~2014	G31-1000	S31-901MF	31-900
Case	TR270 / TR320 / TV380 track loader	current	G31-1000	S31-901MF	31-900

### Caterpillar / Cat

Note: Cat loaders use multiple different sizes - ask for battery length x width if possible.

Cat	12G / 12H / 14G / 14H grader		G31-1000	S31-901MF x 2	31-900 x 2
Cat	12HNA / 12K / 12M / 14H / 14M grader		N150	SN150 x 2	N150 x 2
Cat	120G / 120H grader		G31-1000	S31-901MF x 2	31-900 x 2
Cat	120HNA / 120K / 120M grader		N150	SN150 x 2	N150 x 2
Cat	140G grader		G31-1000	S31-901MF x 2	31-900 x 2
Cat	140H / 140K / 140M grader		N150	SN150 x 2	N150 x 2
Cat	143H grader (check battery length 330mm)		G31-1000	S31-901MF x 2	31-900 x 2
Cat	143H II grader (check battery length 508mm)		N150	SN150 x 2	N150 x 2
Cat	16H / 16M grader (OEM 1400CCA batteries)				
Cat	160K grader (check battery length 330mm)		G31-1000	S31-901MF x 2	31-900 x 2
Cat	160H / 160M / 163H grader				N150HD x 2
Cat	24M grader				
Cat	216 / 226 / 236 / 246 skid-steer loader		80D26RX	S80D26R	NX110-5MF
Cat	216B3 / 226B3 / 232B3 / 236D skid-steer loader		65D	S65-7MF	65-7MF
Cat	228 / 248 / 252 skid-steer loader		80D26RX	S80D26R	NX110-5MF
Cat	242D / 246D / 252B3 / 256C skid-steer loader		65D	S65-7MF	65-7MF
Cat	247B3 / 249D / 257C / 259B3 multi loader		65D	S65-7MF	65-7MF
Cat	262 / 268 / 268B skid-steer loader		80D26RX	S80D26R	NX110-5MF
Cat	262C / 262D / 272C / 272D skid-steer loader		65D	S65-7MF	65-7MF
Cat	277C / 279C / 279D multi loader		65D	S65-7MF	65-7MF
Cat	287C / 289D / 297D / 299C multi loader		65D	S65-7MF	65-7MF
Cat	303CR / 304ECR / 305CR mini excavator		80D26RX	S80D26R	NX110-5MF
Cat	307B / 308D midi excavator		G31-1000	S31-901MF	31-900
Cat	308ECR / 308ESR / 315FLCR midi excavator		65D	S65-7MF	65-7MF
Cat	311D / 312B / 312F / 313 / 314 midi excavator		G31-1000	S31-901MF	31-900
Cat	315 / 315D / 316 excavator		G31-1000	S31-901MF	31-900
Cat	317 / 318 / 319D excavator		G31-1000	S31-901MF	31-900
Cat	320B / 320E / 322B / 323D excavator	2005-on	G31-1000	S31-900MF x 2	31-900T x 2
Cat	320B / 325B / 330B / 330CL (H/Duty option)		N150	SN150 x 2	N150 x 2
Cat	322C / 323D excavator (check for stud terminals)		G31-1000	S31-900MF x 2	31-900T x 2
Cat	324DL / 325C / 325D excavator	2005-on	G31-1000	S31-900MF x 2	31-900T x 2

Cat	328D / 329DL / 329E excavator	~2011~2014	G31-1000	S31-900MF x 2	31-900T x 2
Cat	330B / 330D excavator		G31-1000	S31-900MF x 2	31-900T x 2
Cat	345B / 345D / 349D / 352FVG excavator		G31-1000	S31-900MF x 2	31-900T x 2
Cat	345BL / 365BL / 385BL excavator		N150	SN150 x 2	N150 x 2
Cat	365CL / 374FL / 385CL / 390FL excavator				
Cat	375 / 375L / 385B excavator (check battery width)		N200		8D-1300HD x 2
Cat	Note: most early backhoes use 330mm group 30H		G31-1000	S31-901MF	31-900
Cat	Note: most newer backhoes use 300mm group 65		65D	S65-7MF	65-7MF
Cat	416C / 416EST / 420E / 422E backhoe	1996-on	G31-1000	S31-901MF	31-900
Cat	416D / 416F / 420EIT / 420F2ST / 422E backhoe	2006-on	65D	S65-7MF x 2 /1	65-7MF x 2 /1
Cat	424D / 427F II backhoe (battery length 300mm)		65D	S65-7MF x 2 /1	65-7MF x 2 /1
Cat	428C backhoe (check battery length 330mm)		G31-1000	S31-901MF	31-900
Cat	428D / 428E / 428F backhoe		65D	S65-7MF x 2 /1	65-7MF x 2 /1
Cat	430D / 430E / 430F backhoe		65D	S65-7MF x 2 /1	65-7MF x 2 /1
Cat	432D / 432E / 434E (check battery length 330mm)		G31-1000	S31-901MF	31-900
Cat	432E / 432F backhoe (if fitted with two batteries)	2006-on	65D	S65-7MF x 2	65-7MF x 2
Cat	442D / 442E / 444E / 446D backhoe		G31-1000	S31-901MF	31-900
Cat	450E / 450F		65D	S65-7MF x 2	S65-7MF x 2
Cat	613C / 615C scraper (check terminal type)	2005-on	G31-1000	S31-901MF x 4/2	31-900 x 4/2
Cat	621G / 623F / 623G / 623H / 623K scraper		G31-1000	S31-901MF x 4/2	31-900 x 4/2
Cat	627G scraper (check for stud terminals)	2005-on	G31-1000	S31-901MF x 4/2	31-900 x 4/2
Cat	627H / 627K scraper		G31-1000	S31-901MF x 4/2	31-900 x 4/2
Cat	631D / 631E scraper (check for stud terminals)	2005-on	G31-1000	S31-901MF x 4/2	31-900 x 4/2
Cat	631E II / 631G / 637E II / 637K scraper	/	G31-1000	S31-901MF x 4/2	31-900 x 4/2
Cat	637G scraper ( check size 510 x 220mm)	/	N150		N150HD x 2
Cat	651E / 657E scraper (check size 520 x 276mm)	2005-on	N200	SN200 x 2	8D-1300 x 2
Cat	657G scraper	current	G31-1000	S31-901MF x 4/2	31-900 x 4/2
Cat	725 off-road truck				
Cat	725 / 730 / 730E off-road truck (battery length 330)		G31-1000	S31-901MF x 2	31-900 x 2
Cat	735 / 735C / 740 off-road truck				
Cat	769D / 770G / 771C mining truck (battery width 220)		N150		N150 x 2
Cat	771D / 773D / 773F / 775F mining truck		N200		8D-1300HD x 4
Cat	777C / 777F / 777G water truck				
Cat	785B / 785D / 789B / 793 mining truck (Air Start)	stud terminal			
Cat	785C / 785D / 789D mining truck (battery length 520)				
Cat	793B / 793C / 793D / 793F mining truck				
Cat	794 AC mining truck	stud terminal			
Cat	795F AC mining truck	stud terminal			

Cat	797B / 797F / 797FXQ mining truck (Air Start)				
Cat	797B / 797F / 797FXQ mining truck				
Cat	824G loader (check for stud terminals)		G31-1000		31-900 x 4
Cat	825G / 825H compactor (check terminal type)	2005-2010	G31-1000		31-900 x 4/2
Cat	844G / 844K loader				
Cat	854G / 854K loader				
Cat	901C / 902C / 904H loader		80D26RX	S80D26R x 2	NX110-5MF x 2
Cat	908G / 914G loader (check length 330mm)		G31-1000	S31-901MF x 2	31-900 x 2
Cat	922B / 930 loader - early models	1970s-80s	80D26RX	S80D26R x 2	NX110-5MF x 2
Cat	924G / 928G / 938G loader (check length 330mm)	2002-2008	G31-1000	S31-901MF x 2	31-900 x 2
Cat	924H / 930G / 930H / 938G II loader (length 510mm)		N150	SN150 x 2	N150 x 2
Cat	924K / 930K / 930M / 938K loader		N150	SN150 x 2	N150 x 2
Cat	950F / 950G loader (check length 510mm)		N150	SN150 x 2	N150 x 2
Cat	950F / 950G loader (small battery option 330mm)		G31-1000	S31-901MF x 2	31-900 x 2
Cat	950H / 950K / 950M / 950L loader				
Cat	962G loader		G31-1000	S31-901MF x 2	31-900 x 2
Cat	962H / 962M loader (OEM 1400CCA)				
Cat	966F / 966G loader		N150	SN150 x 2	N150 x 2
Cat	966H / 966K / 966M / 966L loader (OEM 1400CCA)				
Cat	972G II / 972H / 972M loader				
Cat	980 loader (if fitted with 4 x 330mm batteries)		G31-1000	S31-901MF x 4	31-900 x 4
Cat	980F / 980G / 980H loader		N150	SN150 x 4	N150 x 4
Cat	980K / 980M / 980L loader				
Cat	988F / 988G / 988H loader		G31-1000	S31-901MF x 4	31-900 x 4
Cat	988 / 992 loader (battery length 520mm)		N200		8D-1300HD x 4
Cat	990H / 992K / 993K loader				
Cat	992C / 992D loader (check battery length 330mm)	early	G31-1000	S31-901MF x 4	31-900 x 4
Cat	994F / 994H / 994K loader				
Cat	AP255E asphalt paver	current			
Cat	AP300F / AP500F asphalt paver	current	G31-1000	S31-901MF x 2	31-900 x 2
Cat	AP-355E / AP-555F asphalt paver	current	G31-1000	S31-901MF x 2	31-900 x 2
Cat	AP655D / AP655F asphalt paver	current	G31-1000	S31-901MF x 2	31-900 x 2
Cat	AP1000D / AP1000F asphalt paver				
Cat	AP1055B asphalt paver	2002-2006	G31-1000	S31-901MF x 2	31-900 x 2
Cat	AP1055D / AP1055F asphalt paver	current			
Cat	CB-334 / CB-434 / CB-534 roller				
Cat	CB-335 / CB-535 roller				
Cat	CP56 / CP64 / CP68 / CP74 / CP76 XT compactor				

Cat	CP433 / CP533 / CP563 / CP663 roller				
Cat	CS56 / CS64 / CS74 / CS76 compactor				
Cat	CS-433E / CS-533C / CS-563D roller				
Cat	CS-573 / CS583 roller				
Cat	Challenger CH35 / CH45 / CH55 tractor	1995-2000	G31-1000		31-1000 x 2
Cat	Challenger series tractors (check for stud terminals)	2000-2003	G31-1000	S31-900MF x 2	31-900T x 2
Cat	Challenger 95D / 95E tractor	1998-2001	G31-1000		31-1000 x 2
Cat	Challenger MT855 tractor (check for stud terminals)	1998-2002	G31-1000		31-1000 x 2
Cat	D2 / D4 / D6 / D7 / D8 / D9 6 Volt	6 Volt models			
Cat	D4 / D5 / D6 / D7 / D8 / D9 Gas-start	12 Volt models			
Cat	D3C III / D4B / D4H / D4K / D5G bulldozer		G31-1000	S31-901MF x 2	31-900 x 2
Cat	D5R / D6 / D6N / D6R bulldozer Direct-Start	Direct-Start	N150	SN150 x 2	N150 x 2
Cat	D7G / D7H / D7R / D8L / D8N bulldozer	Standard	N150	SN150 x 2	N150 x 2
Cat	D7G / D7H / D7R / D8L / D8N bulldozer	Optional	N200	SN200 x 2	8D-1300 x 2
Cat	D9L / D9N bulldozer Direct-Start	Direct-Start	N200	SN200 x 2	8D-1300 x 2
Cat	D10 / D11 bulldozer		N200	SN200 x 4	N200 x 4
Cat	D10R / D10T / D11R / D11T bulldozer				
Cat	D11R bulldozer (heavy-duty option)				
Cat	MT4400D AC / MT5300D AC mining truck	stud terminal			
Cat	Lexion harvester - most models		N150	SN150 x 2	N150HD x 2
Cat	PS130 / PS150B / PS150C / PS180 roller		G31-1000	S31-901MF x 2	31-900 x 2
Cat	PS200 / PS300C / PS360C roller		G31-1000	S31-901MF x 2	31-900 x 2
Cat	RM300 / RM500 road reclaimer				

### Challenger

Note: Check for stud terminals on USA-made models

Challenger	MT455B / MT465B / MT475B (France)	2004-2013	60044	S60038	60038
Challenger	MT455D / MT465D / MT475D	2014-2016	60044	S60038	60038
Challenger	MT455E / MT465E / MT475E / MT485E / MT495E	2017-on			
Challenger	MT565B (France) (check battery length & polarity)	2004-2012	55530	S56030 x 2	56219 x 2
Challenger	MT565D / MT575D / MT585D / MT595D (France)	2012-2016	56638	S57220 x 2	58012 x 2
Challenger	MT745B-C / MT755B-C-D-E (USA)	2004-on	G31-1000		31-1000 x 2
Challenger	MT765B-C-D-E / MT775D-E (USA)	2004-on	G31-1000		31-1000 x 2
Challenger	MT845E / MT855E / MT865E / MT875E (USA)	current	G31-1000T	S31-900MF x 4	31-900T x 4

### Chamberlain

Chamberlain	3380 tractor	1975-1986			
Chamberlain	4080 / 4280 / 4480 tractor	1975-1986			
Chamberlain	4090 / 4290 / 4490 / 4690 tractor	1985-1987			
Chamberlain	700 / 800 / 894 / 895 loader				

Chamberlain	C456 loader	1973-1984			
Chamberlain	C670 / C6100 loader				
<b>Claas</b>					
Claas	Ares 507 / 546 / 556 / 566	2003-on	G31-1000	S31-901MF	31-900
Claas	Ares 606 / 607 / 657 / 806M	2002-on			
Claas	Ares 616 / 656 / 696 (check for BHD on some models)	2002-on			
Claas	Ares 816 / 826 / 836	2002-on			
Claas	Axos 310 / 320 / 330 / 340	2008-on	G31-1000	S31-901MF	31-900
Claas	Arion 410 / 420 / 430 / 440 / 450 / 460	2009-on			
Claas	Arion 510 / 520 / 530 / 540	2007-2012			
Claas	Arion 610 / 620 / 630 / 640	2007-2012			
Claas	Axion 810 / 820 / 830 / 840 / 850 / 870				
Claas	Axion 900 / 920 / 930 / 940 / 950				
Claas	Celtis 426 / 436 / 446 / 456RX	2003-2009	G31-1000	S31-901MF	31-900
Claas	Dominator 98 harvester				
Claas	Jaguar harvester				
Claas	Jaguar harvester (if fitted with 3 x batteries)		56638	S57220 x 3	58012 x 3
Claas	Lexion 450 / 460 / 480 harvester				
Claas	Lexion 540 / 550 / 560 / 580R harvester	~2004			
Claas	Lexion 600 / 650 / 670 / 670TT harvester				
Claas	Lexion 750 / 760 / 770 / 770TT harvester	~2011-on			
Claas	Lexion 780 harvester		56638	S57220 x 3	58012 x 3
Claas	Scorpion 6030 / 7030 / 7035 telehandler				
Claas	Scorpion 7044 / 7045 / 7055 / 9055 telehandler				
Claas	Xerion 3800		58588	S58515 x 2	59015 x 2
Claas	Xerion 4000 / 4500 / 5000 tractor	3 x 100Ah	58588	S58515 x 2	59015 x 2
<b>Clark Forklifts (see separate listing for BOBCAT)</b>					
Clark	C15 / C18 LPG forklift				
Clark	C20 / C25 / C30 / C32 / C35 LPG forklift				
Clark	7 tonne forklift (4.3 Chev V6 engine)		105D31R	S95D31RHD	27H-750
<b>Daedong - refer to KIOTI</b>					
<b>David Brown</b>					
David Brown	885 / 990 / 995 / 996		G31-1000	S31-901MF	31-900
David Brown	1210 / 1212 / 1410 / 1412		G31-1000	S31-901MF	31-900
<b>Deutz-Fahr</b>					
Deutz	Agro 100 100HP orchard tractor		60044	S60038	60038
Deutz	Agrofarm 85 / 100 (check length 353mm or 505mm)				
Deutz	Agrofarm 85 Ecoline / 100 Ecoline (check length)				

Deutz	Agrofarm 85G / 100G / 115G		60044	S60038	60038
Deutz	Agrofarm 100DT / 100GS	current	60044	S60038	60038
Deutz	Agrofarm 410 / 420 / 430 (check for 353mm casing)		60044	S60038	60038
Deutz	Agrofarm 410 / 420 / 430 (check for 505mm casing)				
Deutz	Agrolux 4.80e (RHPos will also fit)	current	105D31R	S95D31RHD	27H-750
Deutz	Agrolux 65 / 75 (check terminal height clearance)	2008-on	105D31R	S95D31LHD	27HR-750
Deutz	Agrolux 310 / 320	2008-on	60044	S60038	60038
Deutz	Agroplus 100DT (check length 510mm)				
Deutz	Agroplus F Series F70 / F75 / F90 / F100		60044	S60038	60038
Deutz	Agroplus F Series 320F / 410F / 420F / 430F		60044	S60038	60038
Deutz	Agroplus S Series S70 / S75 / S90 / S100		60044	S60038	60038
Deutz	Agroplus S Series 320S / 330S / 410S / 420S / 430S		60044	S60038	60038
Deutz	Agroplus V Series 320V / 330V		60044	S60038	60038
Deutz	Agroplus 75 / 85 / 100	1997-2005	60044	S60038	60038
Deutz	Agroplus 67 / 77 / 87	2005-2012	60044	S60038	60038
Deutz	Agroplus 315 / 320 / 410 / 420 (72-95HP)	current	60044	S60038	60038
Deutz	Agroplus F Series F70 / F75 / F90 / F100		60044	S60038	60038
Deutz	Agrotron Mk II / Agrotron Mk III				
Deutz	Agrotron Mk IV / Mk V (check for BHD ledge)				
Deutz	Agrotron 180	current			
Deutz	Agrotron 6.05 4.8ltr engine	1995-1999			
Deutz	Agrotron 7250 / Agrotron X (BHD Ledge)				
Deutz	Agrotron K610	~2010			
Deutz	Agrotron M600 / M615 / M620 (BHD ledge)	2007-2013			
Deutz	Agrotron M600 / M615 / M620 (BHD ledge, RHPos)	2013-on			
Deutz	Agrotron TTV610 / TTV620 / TTV630 (BHD ledge)	2007-2013			
Deutz	4005 / 6005 (check for BHD ledge)				
Deutz	5005 / 8005 / 9005 (check for BHD ledge)				
Deutz	4006 / 5006 / 6006				
Deutz	6207 / 6807 / 7007 / 7207 / 7807 (check for BHD ledge)				
Deutz	7807 / 7807C				
Deutz	D3006		60044	S60038	60038
Deutz	5C Series 5120C (BHD ledge, RHPos)	current			
Deutz	5105.4 / 5115.4		60044	S60038	60038
Deutz	5110 / 5120 / 5130 incl. TTV (check for BHD ledge)	2013-on			
Deutz	85G / 100G / 115G		60044	S60038	60038
Deutz	9170 170HP				
Deutz	9290 TTV / 9310 TTV / 9340 TTV (check for BHD ledge)	2015-on			



Deutz	DX75 / DX8.30				
Deutz	DX100 / DX140 / DX145 / DX160				
Deutz	DX110 / DX120 / DX130 / DX230 / DX250	1978-1985			
<b>Dieci</b>					
Dieci	25.6 telehandler (BHD ledge)				
Dieci	30.7 / 35.7 telehandler (BHD ledge)				
Dieci	40.7 telehandler (BHD ledge)				
Dieci	55.8 / 65.8 telehandler (BHD ledge)				
Dieci	70.1 telehandler (BHD ledge)				
<b>Dingo</b>					
Dingo	K9-3/950		38B19LS	S42B19LS	NS40ZLSMF
Dingo	K9-4		38B19LS	S42B19LS	NS40ZLSMF
<b>Doosan</b>					
Doosan	7/26E generator		56638	S57220	58012
Doosan	G20 generator		56638	S57220	58012
Doosan	DX225 / DX235 / DX255LC excavator		N150	SN150 x 2	N150HD x 2
Doosan	DX300LC excavator		N150	SN150 x 2	N150HD x 2
Doosan	DX350LC excavator		N200	SN200 x 2	8D-1300HD x 2
Doosan	DX420 / DX490 / DX530 excavator		N200	SN200 x 2	8D-1300HD x 2
<b>Dynapac</b>					
Dynapac	CA602D roller				
Dynapac	CA6000D roller				
Dynapac	CC102 / CC142 roller				
Dynapac	CP224 roller		56638	S57220 x 2	58012 x 2
Dynapac	roller - 4BT Cummins engine		56638	S57220 x 2	58012 x 2
<b>Fiat Agricultural</b>					
Fiat	411R		80D26LX	S80D26L x 2	NX110-5LMF x 2
Fiat	513R		58515	S58515	59015
Fiat	615 / 650 / 750 / 750S	1965-1977	N150	SN150	N150
Fiat	M100 / M115 / M135 / M160 (single battery model)	1996-2001			
Fiat	M100 / M115 / M135 / M160 (twin battery model)	1996-2001	56638	S57220 x 2	58012 x 2
<b>Fendt</b>					
Fendt	Farmer 308 / 309 / 310 / 311 / 312	1993-2001	60044	S60038	60038
Fendt	Farmer 409 / 410 / 411 / 412 / 413 Vario	1999-2005	60044	S60038	60038
Fendt	Favorit 509 / 510 / 511 / 512 (BHD ledge)	1993-2000			
Fendt	Favorit 514 / 515 (BHD ledge)	1993-2000			
Fendt	Favorit 711 / 712 / 714 / 716 Vario (BHD ledge)	1998-2005			
Fendt	Favorit 816 / 818 / 822	1993-2000	60044	S60038	60038

Fendt	Vario 207 / 208 / 209 / 210 / 211 (Optional Optima 34)	current			
Fendt	Vario 207 / 208 / 209 / 210 / 211	current	60044	S60038	60038
Fendt	Vario 409 / 411 / 412 / 413 / 415	1999-2015	60044	S60038	60038
Fendt	Vario 509C / 510C / 511C / 512 / 514C / 515C	1993-2000			
Fendt	Vario 512 / 513 / 514 / 516 Power (check length)	2011-on			
Fendt	Vario 500 Series Profi / Profi Plus version	2011-on			
Fendt	Vario 700 Series (with BHD ledge)	1998-2005			
Fendt	Vario 714 / 716 / 718 / 720 / 722 / 724	2006-on			
Fendt	Vario 815 / 817 / 819	2003-2012			
Fendt	Vario 822 / 824 / 826 / 828	current			
Fendt	Vario 916 / 920 / 924 / 926	1997-2003	60044	S60038 x 2	60038 x 2
Fendt	Vario 922 / 924 / 927 / 930 / 933 / 936 / 939	2006-on			
Fendt	Vario 1038 / 1042 / 1046 / 1050	2015-on			
Fendt	Xylon 520 / 522 / 524	1995-2005	56638	S57220	58012

#### Ford Tractors (see also New Holland)

Ford	Fordson Major / Power Major (orig. 2 x 6 volt)		G31-1000	S31-901MF	31-900
Ford	1900 / 2600 (check for adequate bonnet clearance)	1975-1983	105D31L	S95D31LHD	27HR-750
Ford	1910 / 2310 / 2910	1982-1990	58588	S58515 / S60038	59015 / 60038
Ford	3000 / 3600 / 3900	1965-1990	58588	S58515 / S60038	59015 / 60038
Ford	3910 / 4110	1982-1990			
Ford	4000 / 5000 / 6000 / 7000 / 7700	1965-1994			
Ford	4600 / 4630 / 6600 / 7600	1976-2000			
Ford	4610 / 5610 / 6610 / 6710 / 7610 / 7710 / 7810	1985-1998			
Ford	7740 / 7840 / 8240 / 8340	1991-1997			
Ford	8770 / 8870 / 8970 (check for stud terminals)	1993-2003	G31-1000T		31-900 (T) x 2
Ford	9000 / 9600 / 9700	1970-1981			
Ford	9280 / 9480 / 9680 (check for stud terminals)	1994-1997	G31-1000T		31-900(T) x 3
Ford	9282 / 9482 / 9782 (check for stud terminals)	1996-2001	G31-1000T		31-900(T) x 3
Ford	TW5 / TW10 / TW15	1984-1995			
Ford	TW20 / TW25 / TW30 / TW35	1984-1995			

#### Ford Versatile - see separate Versatile section

#### Gehl

Gehl	R135 / R150 / R165 skid-loader	950CCA	G31-1000	S31-901MF	31-900
Gehl	R190 / R220 / R260 skid-loader	950CCA	G31-1000	S31-901MF	31-900
Gehl	V270 / V330 / V400 skid-loader	950CCA	G31-1000	S31-901MF	31-900
Gehl	RT175 / RT210 / RT250 track-loader	950CCA	G31-1000	S31-901MF	31-900
Gehl	Z45 / Z55 / Z80 excavator				61044

#### Genie

Genie	GS-2032 / 2632 / 3232 scissor lift		T105		GC2 x 4
Genie	GS-2046 / 2646 / 3246 scissor lift		T105		GC2 x 4
Genie	GS-2669 DC / 3369 DC / 4069 DC scissor lift		T105		GC2 x 8
Genie	GS-3384RT diesel scissor lift		G31-1000T		31-900T
Genie	GS-4390RT / 5390RT diesel scissor lift		G31-1000T		31-900T
Genie	S-85 / S-125 diesel telescopic boom		N150	SN150	N150HD
Genie	S-85 / S-125 telescopic boom auxiliary battery		G31-1000	S31-901MF	31-900
Genie	SX-150 / SX-180 diesel telescopic boom		N150	SN150	N150HD
Genie	SX-150 / SX-180 telescopic boom aux. battery		G31-1000	S31-901MF	31-900
Genie	TZ34/20 trailer-mounted boom		T105		GC2 x 4
Genie	TZ-50 trailer-mounted boom		T105		GC2 x 4
Genie	Z-30/20N RJ articulating boom				
Genie	Z-33/18 articulating boom				
Genie	Z-34/22 N articulating boom				
Genie	Z-34/22 IC diesel articulating boom		G31-1000		31-900T
Genie	Z-45/25 J DC articulating boom				
Genie	Z-45/25 J RT diesel articulating boom				
Genie	Z-80/60 diesel articulating boom		G31-1000		31-900T
<b>Gleaner (Agco-Allis)</b>					
Gleaner	R62 / R72 harvester (USA spec)		80D26RX	S80D26R x 3	NX110-5MF x 3
Grove Cranes					
Grove	GMK2035 crane (BHD ledges)				
Grove	GMK3055 / GMK3060 crane (BHD ledges)				
Grove	GMK4080 / GMK5200 crane (BHD ledges)				
Grove	GMK6400 / GMK7450 crane (BHD ledges)				
Grove	RT58 / RT60 / RT65				
Grove	RT600E / RT630 / RT650E crane				
Grove	RT755 / RT760				
<b>Hanomag</b>					
Hanomag	22 / 22C / 22D loader		G31-1000	S31-901MF	31-900
Hanomag	33C loader		G31-1000	S31-901MF	31-900
Hanomag	44C loader				
Hanomag	66C loader				
Hanomag	D600 dozer		N150	SN150	N150
Haulotte					
Haulotte	Compact 8 / 8W electric scissor lift		T105		GC2 x 4
Haulotte	Compact 10 DX / 12 DX diesel scissor lift		56638	S57220 x 2	58012 x 2
Haulotte	Optimum 8 electric scissor lift		T105		GC2 x 4

Hitachi					
Hitachi	EX1200 excavator				8D-1300 x 4/2
Hitachi	EX1900 / EX2500 excavator				8D-1300HD x 4
Hitachi	EX3500 mining excavator				
Hitachi	EX5600 mining excavator				
Hitachi	ZX30U / ZX40U / ZX50U excavator		80D26LX	S80D26L	NX110-5LMF
Hitachi	ZX75U / ZX85U excavator (check polarity)		80D26RX	S80D26R x 2	NX110-5MF x 2
Hitachi	ZX120 / ZX135U excavator (check polarity)		80D26RX	S80D26R x 2	NX110-5MF x 2
Hitachi	ZAXIS135US excavator	/	80D26RX	S80D26R x 2	NX110-5MF x 2
Hitachi	ZX160 / ZX180-3 excavator		105D31R	S95D31RHD x 2	27H-750 x 2
Hitachi	ZX200 / ZX210 / ZH210 / ZX225 excavator		N100	SN100 x 2	N100R x 2
Hitachi	ZX220U SLC-3 excavator	2013	N120	SPN120MF x 2	
Hitachi	ZX225US excavator		N150	SN150 x 2	N150HD x 2
Hitachi	ZX240 / ZX250H excavator		N100	SN100 x 2	N100R x 2
Hitachi	ZAXIS250LC / ZAXIS270 / ZAXIS280LC excavator				
Hitachi	ZAXIS250LC-5 / ZX300LC-6 excavator		N150	SN150 x 2	N150HD x 2
Hitachi	ZAXIS330LC / 370 excavator				
Hitachi	ZX450 / 470H / LCH excavator		N150	SN150 x 2	N150HD x 2
Hitachi	ZAXIS500LC-3 / ZX520LCH-3 excavator		N150	SN150 x 2	N150HD x 2
Hitachi	ZX850 / ZX870LCH-3 excavator	~2009			
Hyster					
Hyster	2.5 Fortis forklift		55D23R	S55D23R	55D23R
Hyundai Construction Equipment					
Hyundai	55-7 / 55-9 midi excavator		EFB95D31R		ST110D31REFB
Hyundai	180LC Robex excavator		105D31R	S95D31RHD x 2	27H-750 x 2
Hyundai	HX160 / HX180 / HX220 excavator		N100	SN100 x 2	N100 x 2
Hyundai	HX235LCR / HX260LCR excavator		N100	SN100 x 2	N100 x 2
Hyundai	R125LCR / R140LCR excavator		N100	SN100 x 2	N100 x 2
Ingersoll Rand					
Ingersoll Rand	SP48 roller		N150	SN150	N150HD
Iseki					
Iseki	5000 / 6000 / 7000		N120	SPN120MF	PN120MF
Iseki	SF 370		105D31R	S95D31RHD	27H-750
Iseki	TA Series most models		105D31R	S95D31RHD	27H-750
Iseki	TA 415 / 450 / 455 / 505 / 527 / TA 545		N100	SN100	N100R
Iseki	TA 607 / 7010A / 7020A / TA 82		N100	SN100	N100R
Iseki	TE 4270 / TE 4370		N120	SPN120MF	PN120MF
Iseki	TG Series 36 - 60HP (may also use PN70ZZMF)		80D26RX	S80D26R	NX110-5MF

Iseki	TH Series 36HP		80D26RX	S80D26R	NX110-5MF
Iseki	TK Series (may also use PN70ZZMF)		80D26RX	S80D26R	NX110-5MF
Iseki	TL Series		105D31R	S95D31RHD	27H-750
Iseki	TM Series 23 - 26HP (*no hold down ledges)		46B24RS	*S55B24RS	*51-430
Iseki	TM Series 23 - 26HP (with end hold down ledges)				
Iseki	TX2140 / TX2160				
<b>Isuzu Heavy Industries (Ihi)</b>					
IHI	35J excavator		N100	SN100	N100
<b>International (Agri)</b>					
International	B275		80D26RX	S80D26R	NX110-5MF
International	384 / 414 / 434 / 454 / 484 / 485 / 885		G31-1000	S31-901MF	31-900
International	674 / 684 / 786 / 844 / 986 / 1056 / 1086		G31-1000	S31-901MF	31-900
International	806 / 826 / 856 / 1026 / 1206		N120	SPN120MF	PN120MF
<b>JCB</b>					
JCB	1CX / 2CX / 2DX / 3CX	to 12/2007			
JCB	1CX / 2CX / 2DX / 3CX	01/2008-on			
JCB	4CX	1/2008-on			
JCB	135 / 155 / 175 / 190 skid-steer loader	current			
JCB	150T / 190T / 205T track loader				
JCB	205 / 225 / 260 / 300 / 330 skid-steer loader				
JCB	205T / 225T / 260T / 300T / 330T track loader				
JCB	155-30 / 155-80 Fastrac				
JCB	185-65 Fastrac	1994-1998			
JCB	2135 / 2140 / 2150 Fastrac	1998-2008			
JCB	3155 / 3155-50 / 3155-80 Fastrac	1998-2004			
JCB	3185 / 3185-50 / 3185-80 Fastrac	1998-2004			
JCB	3200 / 3220 Fastrac	2006-2012			
JCB	3230 / 3230 XTRA Fastrac	2006-on			
JCB	4220 Fastrac	2015-on			
JCB	426HT loader				
JCB	435S loader	current			
JCB	525-60 telehandler (check battery length)	current			
JCB	526-56 / 527-58 telehandler	current			
JCB	530-70 / 531-70 / 541-70 telehandler				
JCB	535-95 / 535-125 telehandler				
JCB	540-170 / 540-200 telehandler				
JCB	560-80 telehandler				
JCB	8014 / 8016 / 8018 mini excavator		55530	S56220 / S56318	90R-500 / 57030

JCB	8030 / 8035 ZTS mini excavator		56318	S56318	57030
JCB	8040 / 8045 ZTS mini excavator		55530	S56220	90R-500
JCB	8065 midi excavator				
JCB	8080 / 8085 ZTS midi excavator				
JCB	8250 Fastrac	2005-2012			
JCB	8310 / 8330 Fastrac	current			
JCB	JS130LC excavator	current			
JCB	JS145 excavator	2008-on			
JCB	JS200 / JS200 LC excavator (battery length 340mm)	2008-on			
JCB	JS220 excavator (check battery length 340mm)	2008-on			
JCB	JS220HD / JS220LC / JS220XD (battery length 508mm)				
JCB	JS240 / JS260 excavator (check batt length 508mm)				
JCB	JS330LC excavator (check battery length 508mm)				
JCB	JS360 / JS460 excavator (check batt length 508mm)	~2011-on			
JCB	JZ140 / JZ235 / JZ255 excavator	current			
JLG					
JLG	1930ES		T105		GC2 X 4
JLG	2030ES / 2630ES / 2646ES		T105		GC2 X 4
JLG	260MRT				
JLG	307 telehandler	~2008			
JLG	3246ES		T105		GC2 X 4
JLG	3369LE / M3369				
JLG	3394RT / 4394RT scissor				
JLG	4069LE / M4069				
JLG	450AJ boom lift (49hp Deutz)		G31-1000	S31-901MF x 1	31-900 x 1
JLG	520AJ / 600AJ boom lift (49hp Deutz)		G31-1000	S31-901MF x 1	31-900 x 1
JLG	740AJ / 800AJ boom lift (62hp Deutz)				
JLG	1250AJP boom lift (75hp Deutz)		N150	SN150	N150HD
JLG	460SJ telescopic boom lift (49hp)		G31-1000	S31-901MF x 1	31-900 x 1
JLG	660SJ telescopic boom lift (49hp Deutz)		G31-1000	S31-901MF x 1	31-900 x 1
JLG	1200SJP telescopic boom lift (75hp Deutz)				
JLG	1350SJP telescopic boom lift (75hp Deutz)				
JLG	1500SJ telescopic boom lift (75hp Deutz)				
JLG	1850SJ telescopic boom lift (100hp Deutz)		N200		8D-1500
JLG	E300AJP (some can fit 8 x USL16HC)				
JLG	E400AJP / M400AJP				
JLG	E600JP / M600JP		CR430		L16 x 8
JLG	H340AJ Hybrid				

JLG	R6 Electric scissor		T105		GC2 x 4
JLG	T10E Toucan (240Ah @ 5hr rate)				
<b>John Deere</b>					
John Deere	102 ride-on mower	2006-	U1-340	SU1-60	U1-280
John Deere	310E / 310SE / 310SG / 315SE-SG backhoe	1997-2008	G31-1000	S31-901MF	31-900
John Deere	315SE / 315SG / 315SJ backhoe	2000-2013	G31-1000	S31-901MF	31-900
John Deere	670 / 770 grader - early models, no electronics		105D31R	S95D31RHD x 2	27H-750 x 2
John Deere	620G / 670G / 770G / 870G / GP grader (1400CCA x 2)				
John Deere	672G / 772G / 872G / GP grader (1400CCA batteries)				
John Deere	790 / 890 excavator	1997	N150	SN150 x 2	N150HD x 2
John Deere	792 / 892 / 992 excavator		N150	SN150 x 2	N150HD x 2
John Deere	855D Gator	current			
John Deere	850 / 870 compact tractor (Yanmar engine - Japan)	1978-1999	80D26RX	S80D26R	NX110-5MF
John Deere	950 / 970 / 1050 / 1070 tractor (Yanmar - Japan)	1978-1999	105D31R	S95D31RHD	27H-750
John Deere	997 zero turn mower				56219
John Deere	1023E (500CCA*BHD at ends)	2011-on			
John Deere	1025R / 1026R (500CCA*BHD at ends)	2011-on			
John Deere	1040 / 1140 tractor		55530	S56030 x 2	56219 x 2
John Deere	1550 / 1750 / 1850 / 1950	1987-1995	55530	S56030 x 2	56219 x 2
John Deere	2025R / 2032R (500CCA*BHD at ends)	2013-on			
John Deere	2040 / 2040S	1979-1988	55530	S56030 x 2	56219 x 2
John Deere	2210 (500CCA*BHD at ends)	2003-2007			
John Deere	2305 (500CCA*BHD at ends)	2006-2011			
John Deere	2320 / 2520 / 3320 (500CCA*BHD at ends)	2011			
John Deere	2250 / 2450 / 2650 / 2850	1986-1995	55530	S56030 x 2	56219 x 2
John Deere	3036E / 3033R / 3038R / 3045R (500CCA*EHD ledges)	2013-on			
John Deere	3050 / 3350 / 3650 (Germany)	1986-1994	60044	S60038 x 2	60038 x 2
John Deere	3100 / 3200 / 3300 / 3400 (N100L-BHD)	1995-1998			
John Deere	3110 / 3210 / 3310 / 3410 (N100L-BHD)	1998-2003			
John Deere	3120 / 3320 / 3520 / 3720 (*BHD at ends)	2005-2014			
John Deere	3030 / 3130 (Germany)	1973-1980	58588	S58515	58515
John Deere	3040 / 3140 / 3640 (Germany)	1980-1988	58588	S58515 x 2	58515 x 2
John Deere	3200 / 3400 / 3650 telehandler				
John Deere	3215 / 3415 / 3220 / 3420 telehandler				
John Deere	3800 telehandler				
John Deere	4005 / 4105	2008-2015	105D31R	S95D31LHD	27HR-750
John Deere	4049M / 4049R / 4052M / 4066M / 4066R	2014-on	56638	S56840	57233

John Deere	4100 / 4200 / 4300 / 4400 (500CCA*EHD ledges)	1998-2003			
John Deere	4010 / 4110 / 4210 / 4310 / 4410 (500CCA*EHD ledges)	2002-2006			
John Deere	4120 / 4320 / 4520 / 4720	2005-2014	105D31R	S95D31RHD	27H-750
John Deere	4050 / 4250 / 4450 / 4650 / 4850	1983-1989			
John Deere	4055 / 4255 / 4455 / 4755 / 4955	1988-1993	G31-1000	S31-901MF x 2	31-900 x 2
John Deere	4230 / 4430				
John Deere	4440 / 4640 / 4840	1978-1983			
John Deere	4500 / 4600 / 4700 (Yanmar engine)	1998-2004	105D31R	S95D31RHD	27H-750
John Deere	4510 / 4610 / 4710 (Yanmar engine - USA)	2002-2005			
John Deere	4560 / 4760 / 4960	1992-1995	G31-1000	S31-901MF x 2	31-900 x 2
John Deere	5045D / 5055D	2008-2015	105D31R	S95D31RHD	27H-750
John Deere	5045E / 5055E / 5065E / 5075E / 5085E (India)	2008-on	105D31R	S95D31RHD	27H-750
John Deere	5083E / 5093E / 50101E	2008-on	G31-1000	S31-901MF	31-900
John Deere	5080R / 5090R / 5100R (with BHD ledge)	2009-on			
John Deere	5075M / 5085M / 5095 / 5100 / 5105M / 5115M	2008-on	G31-1000	S31-901MF	31-900
John Deere	5200 / 5300 / 5400 / 5500 (check for stud terminals)	1991-1999	G31-1000	S31-901MF	31-900
John Deere	5210 / 5310 / 5410 / 5510	1998-2002	G31-1000	S31-901MF	31-900
John Deere	5220 / 5320 / 5420 / 5520	2002-2005	G31-1000	S31-901MF	31-900
John Deere	5225 / 5325 / 5425 / 5525 / 5625	2005-2009	G31-1000	S31-901MF	31-900
John Deere	5620 / 5720 / 5820 (OE = N100L-BHD)	2003-2009			
John Deere	5620 / 5720 / 5820 heavy-duty option	2003-2009			
John Deere	6100 / 6200 / 6300 / 6400 (with BHD ledge)	1992-1998			
John Deere	6100SE / 6200SE / 6400SE (check battery length)	1996-1999			
John Deere	6110 / 6210 / 6310 / 6410	1998-2003			
John Deere	6120 / 6220 / 6320 / 6420 / 6420S (H/Duty option)	2001-2007			
John Deere	6120 / 6220 / 6320 / 6420 (OE battery #AL75854)	2001-2007			
John Deere	6120SE / 6320SE / 6420SE				
John Deere	6030 Premium Cab Series (OE #TY26782)	2010-2013			
John Deere	6130 / 6230 / 6330 / 6430 Premium	2006-2013			
John Deere	6130 / 6230 / 6330 / 6430 (OE #AL75854)	2006-2013			
John Deere	6200 / 6300 / 6400 (twin battery models)	1993-1999	G31-1000	S31-900MF x 2	31-900T x 2
John Deere	6200 / 6300 / 6400	1993-1999			
John Deere	6510 / 6610 / 6810 / 6910	1997-2002			
John Deere	6520SE / 6620SE	2001-2006			
John Deere	6520 Premium / 6620 / 6820 / 6920 Premium	2001-2007			
John Deere	6530 / 6630 / 6830 / 6930	2006-2009			
John Deere	6530 / 6630 / 6830 / 6930 Premium (H/Duty option)	2006-2009			



John Deere	6D series (made in Mexico)				
John Deere	6100D / 6105D / 6115D / 6130D / 6140D	2008-2017	G31-1000	S31-901MF	31-900
John Deere	6J series				
John Deere	6165J / 6185J / 6210J	2012-on			
John Deere	6M series (made in Germany)				
John Deere	6090MC (OE battery #TY26988)	2013-on	DIN110		61044
John Deere	6090MC (OE battery #TY26782)	2013-on			
John Deere	6105M / 6115M / 6125M / 6140M	2013-2016			
John Deere	6110M / 6120M / 6130M / 6145M (4.5L engine)	2015-on			
John Deere	6110M / 6120M / 6130M / 6145M (OE #TY26988)	2015-on	60044	S60038	60038
John Deere	6110M / 6120M / 6130M / 6145M	2015-on			
John Deere	6125M (optional h-duty battery)	2014	DIN110		61044
John Deere	6150M / 6170M	2012-2016			
John Deere	6155M / 6175M / 6195M (6.8L engine)	2015-on			
John Deere	6175M / 6195M	2015-on			
John Deere	6R series (made in Germany)				
John Deere	6105R / 6115R / 6125R / 6130R (4.5L engine)	2011-2016			
John Deere	6110R / 6120R / 6130R (Germany)	2015-on			
John Deere	6140R / 6150R / 6170R / 6190R / 6210R (6.8L engine)	2012-2016			
John Deere	6150R / 6170R / 6190R / 6210R	2012-2016			
John Deere	6175R / 6195R / 6215R / 6230R / 6250R	2015-on			
John Deere	6175R / 6195R / 6215R / 6230R / 6250R	2015-on			
John Deere	7130 / 7230 / 7330 / 7430 / 7530 (Germany 6.8L)	2007-2011			
John Deere	7130 / 7230 / 7330 / 7430E / 7530E Premium	2007-2011			
John Deere	7210 / 7410 / 7510 / 7610 / 7710 / 7810 (check term's)	1997-2003	G31-1000	S31-900MF x 2	31-900T x 2
John Deere	7400 / 7600 / 7700 / 7800	1993-2000	G31-1000	S31-901MF x 2	31-900 x 2
John Deere	7420 (Germany)				
John Deere	7420 (1400CCA battery #AXE10130)	2013-on	G31-1000		
John Deere	7610 / 7710 / 7810	1997-2004	G31-1000	S31-901MF x 2	31-900 x 2
John Deere	7720 / 7820 / 7920 (USA)	2004-2008	G31-1000	S31-901MF x 2	31-900 x 2
John Deere	7630 / 7730 / 7830 / 7930 (check terminal type)	2007-2012	G31-1000	S31-900MF x 2	31-900T x 2
John Deere	7R series				
John Deere	7200R / 7210R / 7215R / 7230R / 7250R / 7260R (USA)	2011-on	G31-1000	S31-901MF x 2	31-900 x 2
John Deere	7210R / 7230R / 7250R / 7270R / 7310R (USA)	current	G31-1000	S31-901MF x 2	31-900 x 2
John Deere	7260R / 7270R / 7280R / 7290R / 7310R (USA)	2011-on	G31-1000	S31-901MF x 2	31-900 x 2
John Deere	8100 / 8200 / 8300 / 8400	1995-2000	G31-1000	S31-901MF x 2	31-900 x 2
John Deere	8110 / 8210 / 8310 / 8410 (check terminal type)	1999-2003	G31-1000	S31-901MF x 2	31-900 x 2

John Deere	8120 / 8220 / 8320 / 8420 / 8520 (check terminals)	2003-2006	G31-1000	S31-901MF x 2	31-900 x 2
John Deere	8130 / 8230 / 8330 / 8430 / 8530 (check stud post)	2006-2010	G31-1000	S31-900MF x 2	31-900T x 2
John Deere	8225R / 8245R / 8270R / 8295R / 8320R / 8345R	2009-on	G31-1000	S31-901MF x 2	31-900 x 2
John Deere	8235R / 8260R / 8285R / 8310R / 8335R / 8360R	2011-on	G31-1000	S31-901MF x 2	31-900 x 2
John Deere	8440 / 8450 / 8640 / 8650 (OE = 6 volt batteries)	1979-1989			
John Deere	8450 / 8650 / 8850 (OE = 12 volt batteries)	1982-1989	G31-1000	S31-901MF x 3	31-900 x 3
John Deere	8560 / 8760 / 8960	1989-1994	G31-1000	S31-900MF x 3/2	31-900T x 3/2
John Deere	8570 / 8770 / 8870 / 8970 (check stud terminals)	1993-1997	G31-1000	S31-900MF x 3/2	31-900T x 3/2
John Deere	9100 / 9200 / 9300 / 9400 tractor	1996-2002	G31-1000	S31-900MF x 3/2	31-900T x 3/2
John Deere	9120 / 9220 / 9320 / 9420 / 9620	2002-2008	G31-1000	S31-900MF x 3	31-900T x 3
John Deere	9230 / 9330 / 9430 / 9530 / 9630	2007-2012	G31-1000	S31-900MF x 3	31-900T x 3
John Deere	9360R / 9410R / 9460R / 9510R / 9560R	2012-2015	G31-1000	S31-900MF x 3	31-900T x 3
John Deere	9370R / 9420R / 9470R / 9520R / 9570R / 9620R	2015-on	G31-1000	S31-900MF x 3	31-900T x 3
John Deere	9520R / 9570R / 9620R (check terminal type)	2015-on	G31-1000	S31-900MF x 4	31-900T x 4
John Deere	D100 / D105 / D120 ride-on mower	2011-on	UI-340	SU1-60	U1-280
John Deere	LA100 / LA110 / LA115 / LA120 / LA125 mower	2007-2011	UI-340	SU1-60	U1-280
John Deere	XUV560 / XUV590	current	UI-340	SU1-60	U1-280

#### John Deere Harvesters & Sprayers

John Deere	4730 / 4830 / 4930 sprayer (OE = 770CCA)	2007-2012			
John Deere	9560 / 9660 / 9760 / 9860 STS harvester	2003-2008	G31-1000	S31-901MF x 2	31-900 x 2
John Deere	9570 / 9670 / 9770 / 9870 STS harvester	2008-on	G31-1000	S31-901MF x 2	31-900 x 2
John Deere	S550 harvester		G31-1000	S31-901MF x 2	31-900 x 2
John Deere	S660 / S670 harvester		G31-1000	S31-901MF x 2	31-900 x 2
John Deere	S680 STS / S690 STS harvester	2011-on			

#### Kanga

Kanga	Kanga Kid (20 - 22AH AGM)				
Kanga	DT825 / DT835		N43	22NF330D	22NF330D
Kanga	DW625		N43	22NF330D	22NF330D

#### KATO

Kato	HD400SE / HD450 / HD700SE crane		N100L	SN100L x 2	N100L x 2
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#### Kawasaki (Industrial)

Kawasaki	42 ZV-2 wheel loader		80D26RX	S80D26R	NX110-5MF
Kawasaki	45 ZV wheel loader		105D31R	S95D31RHD	27H-750
Kawasaki	60 Z7 wheel loader		80D26RX	S80D26R x 2	NX110-5MF x 2
Kawasaki	67 Z7 / 67 TM7 wheel loader		105D31R	S95D31RHD x 2	27H-750 x 2
Kawasaki	70 Z7 / 70 TM7 wheel loader		N150	SN150 x 2	N150 x 2
Kawasaki	80 Z7 / 90 Z7 T4F / 92 Z7 wheel loader		N120	SPN120MF x 2	PN120MF x 2
Kawasaki	95 Z7 / 115 Z7 / 115 Z7 XT wheel loader		N200	SN200 x 2	8D-1300 x 2

Kawasaki	135 ZV-2 wheel loader		N150	SN150 x 4	N150 x 4
Kawasaki	Mule 550 ATV				
Kawasaki	Mule 620 ATV	current			
<b>Kioti (Daedong)</b>					
Kioti	CK3010 30hp		55D23R	S55D23R	55D23R
Kioti	DK45 / DK50 / DK50SE (check polarity)	2002-on	80D26RX	S80D26R	NX110-5MF
Kioti	DK451 / DK551	2010-on	80D26RX	S80D26R	NX110-5MF
Kioti	DK5810 (can fit N50ZZL)		55D23LX	S55D23L	55D23L
Kioti	NX4510 / NX5010 / NX5510 (can fit N70ZZ)	2014-on	80D26RX	S80D26R	NX110-5MF
Kioti	NX6010 / NX6020 (can fit N70ZZ)	2014-on	80D26RX	S80D26R	NX110-5MF
Kioti	PX9020 / PX9510 / PX9520 / PX9530	2015-on			
Kioti	RX6020 / RX7030 / RX7620 / RX8030	2013-on			
<b>Kobelco</b>					
Kobelco	SK20 / SK25SR mini-excavator	1998-on	80D26LX	S80D26L	NX110-5LMF
Kobelco	SK28 / SK30SR / SK35 mini-excavator	2004-on	80D26LX	S80D26L	NX110-5LMF
Kobelco	SK45 mini-excavator	1991-on	80D26LX	S80D26L	NX110-5LMF
Kobelco	SK55 midi-excavator	2011-on	105D31L	S95D31LHD	27HR-750
Kobelco	SK60 / SK70SR midi-excavator	1994-on	105D31L	S95D31LHD	27HR-750
Kobelco	SK75 / SK85SR / SK85 MSR midi-excavator	2004-on	105D31L	S95D31LHD	27HR-750
Kobelco	SK120-3 / SK120-4 excavator	1994-on	N120	SPN120MF x 2	PN120MF x 2
Kobelco	SK120-5 / SK135SR excavator	1997-on	N100L	SN100 x 2	N100R x 2
Kobelco	SK200LC (battery length 510mm)	1995-on	N120	SPN120MF x 2	PN120MF x 2
Kobelco	SK200SR excavator (battery length 410mm)	2004-on	N100	SN100 x 2	N100R x 2
Kobelco	SK225 / SK235 excavator	1999-2007	N100	SN100 x 2	N100R x 2
Kobelco	SK235SRLC-2 excavator	2007-on	N100L	SN100L x 2	N100L x 2
Kobelco	SK210 / SK210LC / SK210-8 excavator	2000-on	N120	SPN120MF x 2	PN120MF x 2
Kobelco	SK250 / SK250LC / SK260-9 excavator	1998-on	N120	SPN120MF x 2	PN120MF x 2
Kobelco	SK300 / SK300LC-4 excavator	1995-on	N120	SPN120MF x 2	PN120MF x 2
Kobelco	SK330 / SK350 excavator	1998-on	N120	SPN120MF x 2	PN120MF x 2
Kobelco	SK450 / SK480LC-6E excavator (battery width 215mm)	2003-on	N150	SN150 x 4/2	N150HD x 4/2
Kobelco	SK480LC excavator (battery width 182mm)	2000-on	N120	SPN120MF x 4/2	PN120MF x 4/2
Kobelco	SK500LC excavator	2000-on	N120	SPN120MF x 4/2	PN120MF x 4/2
<b>Komatsu</b>					
Komatsu	D31EX / D37EX / D39EX dozer		G31-1000	S31-901MF x 2	31-900 x 2
Komatsu	D31 / D37 / D39 / D41 dozer		105D31R	S95D31RHD x 2	27H-750 x 2
Komatsu	D50 / D55 / D60 / D65 dozer		N150	SN150 x 2	N150HD x 2
Komatsu	D51EX / D61EX / D65EX dozer		N150	SN150 x 2	N150HD x 2
Komatsu	D65 / D80 / D85 dozer		N150	SN150 x 2	N150HD x 2

Komatsu	D85EX / D85PX dozer				
Komatsu	D150 / D155 / D155AX dozer				
Komatsu	D275AX / D355 / D375 dozer				
Komatsu	D475 / D575 dozer (may use 4 x 190G51)				
Komatsu	EC20 SSB / EC25 SSB / EC50 SS compressor		105D31R	S95D31RHD	27H-750
Komatsu	EC75 SS / SSB compressor		N100	SN100 x 2	N100R x 2
Komatsu	EC110 SS / SSB compressor		80D26RX	S80D26R x 2	NX110-5MF x 2
Komatsu	EC190 SS compressor		N120	SPN120MF x 2	PN120MF x 2
Komatsu	FG18H forklift		38B19LS	22NF330LS	22NF330LS
Komatsu	GD405 grader		G31-1000	S31-901MF x 2	31-900 x 2
Komatsu	GD530 / GD650 grader		G31-1000	S31-901MF x 2	31-900 x 2
Komatsu	GD555 / GD655 grader		N150		N150HD x 2
Komatsu	GD750 / GD755 grader		N150		N150HD x 2
Komatsu	GD825 grader		N200	SN200 x 2	8D-1300HD x 2
Komatsu	HB205 / HB215LC excavator		N120	SPN120MF x 2	PN120MF x 2
Komatsu	HD325 / HD405 mining truck		N150	SN150 x 2	N150HD x 2
Komatsu	HD465 / HD605 mining truck		N200		8D-1300HD x 2
Komatsu	HD785 / HD985 mining truck		N200		8D-1300HD x 4
Komatsu	HM350 / HM400 mining truck				
Komatsu	PC01 / PC09 / PC10 / PC18 mini-excavator		38B19L	S42B19L	NS40ZLMF
Komatsu	PC20MR mini-excavator		46B24R	S55B24R	NX100-6MF
Komatsu	PC20UU mini-excavator		46B24L	S55B24L	51R-430
Komatsu	PC27MR / PC30MR / PC35MR mini-excavator		55530	S56030	56219
Komatsu	PC28UU / PC30UU / PC38UU mini-excavator		80D26LX	S80D26L	NX110-5LMF
Komatsu	PC35MR early series mini-excavator		80D26RX	S80D26R	NX110-5MF
Komatsu	PC40MR early series mini-excavator		105D31L	S95D31L	27HR-750
Komatsu	PC50MR mini excavator (early models N70ZZ)		56638	S57220	58012
Komatsu	PC58UU / PC78US / PC78UU excavator		80D26RX	S80D26R	NX110-5MF
Komatsu	PC128US / PC128 UU / PC138US excavator		105D31R	S95D31RHD x 2	27H-750 x 2
Komatsu	PC138US excavator (alternative fitment)				
Komatsu	PC120 / PC160 excavator early series		105D31R	S95D31RHD x 2	27H-750 x 2
Komatsu	PC160LC-7 / LC-8 excavator		N120	SPN120MF x 2	PN120MF x 2
Komatsu	PC200 / PC210 / PC220 / PC230 excavator		N100	SN100 x 2	N100 x 2
Komatsu	PC228US excavator		N100	SN100 x 2	N100 x 2
Komatsu	PC250 / PC270 excavator (battery length 405mm)		N100	SN100 x 2	N100 x 2
Komatsu	PC250 / PC270 excavator (battery length 510mm)	height restriction			
Komatsu	PC300 LC / PC350 / PC450 excavator	height restriction			
Komatsu	PC600 / PC800LC / PC850LC excavator	height restriction			

Komatsu	PC850SE / PC1250 / PC1800 excavator				
Komatsu	PC2000-8 excavator				
Komatsu	WA20 / WA30 / WA40 / WA50 loader		105D31R	S95D31RHD	27H-750
Komatsu	WA80 loader		80D26LX	S80D26L x 2	NX110-5LMF x 2
Komatsu	WA100M loader		G31-1000	S31-901MF	31-900
Komatsu	WA150 / WA180 loader (may use N100 x 2)		G31-1000	S31-901MF x 2	31-900 x 2
Komatsu	WA200 / WA250 / WA270 loader		G31-1000	S31-901MF x 2	31-900 x 2
Komatsu	WA320 / WA380 loader		N120	SPN120MF x 2	PN120MF x 2
Komatsu	WA430 / WA450 / WA470 / WA480 loader		N150	SN150 x 2	N150HD x 2
Komatsu	WA500 loader				
Komatsu	WA600 / WA700 loader		N200	SN200 x 2	8D-1300 x 2
Komatsu	WA800 / WA900 loader		N150	SN150 x 4	N150HD x 4
<b>KUBOTA</b>					
Kubota	B1700 / B2100 / B2400 / B2710	1995-2000	46B24LS	S55B24LS	51BR-430
Kubota	B2150 tractor	1988-1997	80D26LS	S80D26L	NX110-5LMF
Kubota	B2301   BAT-NS60L   NS60L		46B24LS	S55B24LS	51BR-430
Kubota	B2601   BAT-NS60L   NS60L		46B24LS	S55B24LS	51BR-430
Kubota	B26B   BAT-NS60L   NS60L		46B24LS	S55B24LS	51BR-430
Kubota	B2320 / B2630 / B2710 / B2920 / B3300	small terminals	46B24L	S55B24L	51R-430
Kubota	B2630 / B3030	2006-2012	46B24LS	S55B24LS	51BR-430
Kubota	B2650 / B3350	2013-on	46B24LS	S55B24LS	51BR-430
Kubota	B3150	2015-on	46B24LS	S55B24LS	51BR-430
Kubota	B5100 / B6100 / B7100	1978-1985	46B24RS	S55B24RS	51-430
Kubota	B5200 / B6200	1983-1996	46B24LS	S55B24LS	51BR-430
Kubota	B6200	current	46B24LS	S55B24LS	51BR-430
Kubota	B7001		46B24LS	S55B24LS	51BR-430
Kubota	B7200 / B8200	1983-1996	80D26LX	S80D26L	NX110-5LMF
Kubota	B7300 / B7410 / B7510 / B7610	1997-2007	46B24LS	S55B24LS	51BR-430
Kubota	B7400 / B7500	2000-2004	46B24RS	S55B24RS	51-430
Kubota	BX1880   BAT-55D23L   55D23L		55D23LX	S55D23L	55D23L
Kubota	BX2380   BAT-55D23L   55D23L		55D23LX	S55D23L	55D23L
Kubota	BX2680   BAT-55D23L   55D23L		55D23LX	S55D23L	55D23L
Kubota	BX1800 / BX1830 / BX2200 / BX2230	2001-2006	50D20L	S50D20L	50D20L
Kubota	BX1850 / BX1860 / BX2350 / BX2360 / BX2660	2006-2013	50D20L	S50D20L	50D20L
Kubota	BX1870 / BX2370 / BX2670	2014-on	50D20L	S50D20L	50D20L
Kubota	BX23 / BX24 / BX25 / BX25D tractor - backhoe	2004-2016	50D20L	S50D20L	50D20L
Kubota	DG7500 generator		46B24LS	S55B24LS	51BR-430
Kubota	F2560 / F2880 / F3560 / F3680 mower		55D23R	S55D23R	55D23R

Kubota	F2890   BAT-NS70   NS70		80D26RX	S80D26R	NX110-5MF
Kubota	F3690   BAT-NS70   NS70		80D26RX	S80D26R	NX110-5MF
Kubota	GL6000D   BAT-NS40Z   NS40Z		38B19R	S42B19R	NS40ZMF
Kubota	GL9000D   BAT-NS60L   NS60L		46B24LS	S55B24LS	51BR-430
Kubota	G1800S / G1900S / G2100 / G2160 mower		46B24LS	S55B24LS	51BR-430
Kubota	GL6000 / GL9000 generator (can also use PNS60LMF / R)		38B19L	S42B19L / R	NS40ZMF
Kubota	GR2120   BAT-NS60L   NS60L		46B24LS	S55B24LS	51BR-430
Kubota	GZD15   BAT-NS60L   NS60L		46B24LS	S55B24LS	51BR-430
Kubota	J108 / J112 / J310 generator		80D26RX	S80D26R	NX110-5MF
Kubota	KD5500   BAT-YTX20L-BS-K   YTX20L-BS				
Kubota	KJ-S130				
Kubota	KJ-S170 / KJ-T130 / KJ-T180 generator		105D31R	S95D31RHD	27H-750
Kubota	KJ-S240 / KJ-T230 / KJ-T300 generator	BHD	N100	SN100	N100
Kubota	K008-3 mini-excavator		38B19R	S42B19R	NS40ZMF
Kubota	KX016-4   BAT-NS60L   NS60L		80D26RX	S55B24LS	51BR-430
Kubota	KX018-4   BAT-NS60L   NS60L		46B24LS	S55B24LS	51BR-430
Kubota	KX033-4   BAT-NS70   NS70		80D26RX	S80D26R	NX110-5MF
Kubota	KX040-4 excavator				
Kubota	KX057-4 excavator		105D31R	S95D31LHD	27HR-750
Kubota	KX080-3 excavator	BHD	N100	SN100	N100
Kubota	KX41-3 excavator		55D23LX	S55D23L	55D23L
Kubota	KX57 excavator		105D31R	S95D31RHD	27H-750 x 2
Kubota	KX71-3 / KX91-3 excavator		80D26RX	S80D26R	NX110-5MF
Kubota	KX121-3 excavator		80D26RX	S80D26R	NX110-5MF
Kubota	KX161-3 excavator		105D31R	S95D31RHD	27H-750
Kubota	L2600 / L3000 / L4300	2000-2005	80D26RX	S80D26L	NX110-5LMF
Kubota	L2800 / L3400 / L4400	2004-2010	80D26RX	S80D26R	NX110-5MF
Kubota	L2900 / L3300 / L3600 / L4200 (2WD)	1994-1999	80D26RX	S80D26R	NX110-5MF
Kubota	L3010 / L3410	1998-2002	80D26RX	S80D26R	NX110-5MF
Kubota	L3130 / L3430 / L3830 / L4330 / L4630	2003-2007	80D26RX	S80D26R	NX110-5MF
Kubota	L3200 / L3800 / L4600 (can also use PNS70MF)	2011-2016	105D31R	S95D31RHD	27H-750
Kubota	L3240 / L3540 / L3940 / L4240 / L4740	2007-2013	80D26RX	S80D26R	NX110-5MF
Kubota	L3350 / L3750 / L4150	1985-1991	N100	SN100	N100
Kubota	L3710 / L4310 / L4610	1998-2002	105D31R	S95D31RHD	27H-750
Kubota	L4200DT (4WD)	1999-2004	105D31R	S95D31LHD	27HR-750
Kubota	L5030	2003-on	80D26RX	S80D26R	NX110-5MF
Kubota	L5040 / L5240 / L5740 (can also use PNS70MF)	2007-on	105D31R	S95D31RHD	27H-750

Kubota	M7-2   BAT-N150LMF-C   N150LMF		N150	SN150	N150HD
Kubota	M90 / M110 / M120	1998-2005	G31-1000	S31-901MF	31-900
Kubota	M95X / M105X	2005-2008	G31-1000	S31-901MF	31-900
Kubota	M108S / M108X	2007-on	G31-1000	S31-901MF	31-900
Kubota	M100GX / M110GX	2012-on	G31-1000	S31-901MF	31-900
Kubota	M125X	2005-2009	N150	SN150	N150
Kubota	M126GX / M135GX	2012-on	N150	SN150	N150
Kubota	M4030 / M5030	1986-1998	G31-1000	S31-901MF	31-900
Kubota	M4500 / M4950 / M5950	1978-1994	N100	SN100	N100
Kubota	M4900 / M5700700CCA	2001-2008			
Kubota	M96   BAT-86ZMF   86ZMF		G31-1000	S31 900	31-900/31-1000
Kubota	M5111   BAT-86ZMF   86ZMF		G31-1000	S31 900	31-900/31-1000
Kubota	M5091   BAT-86ZMF   86ZMF		G31-1000	S31 900	31-900/31-1000
Kubota	M5101   BAT-86ZMF   86ZMF		G31-1000	S31 900	31-900/31-1000
Kubota	M6950 / M7950 / M8950	1984-1994	N100	SN100	N100
Kubota	M6030 / M7030 / M8030	1986-1999	N100	SN100	N100
Kubota	M6040 / M7040 / M8540	2007-2017	G31-1000	S31-901MF	31-900
Kubota	M6800 / M8200 / M9000	1997-2006	N100	SN100	N100
Kubota	M7580 / M8580 / M9580	1991-2000	N150	SN150	N150
Kubota	M8540 / M9540	2007-2013	G31-1000	S31-901MF	31-900
Kubota	ME8200 / ME9000	BHD	N100	SN100	N100
Kubota	MX5100   BAT-NS70L   NS70L		80D26LX	S80D26L	NX110-5LMF
Kubota	MX5200   BAT-NS70L   NS70L		80D26LX	S80D26L	NX110-5LMF
Kubota	M7-131 / M7-151 / M7-171 Premium	current			
Kubota	R065   BAT-N70ZZL   N70ZZL		105D31L	S95D31L	27HR-780HD
Kubota	R420S / R520S excavator		80D26RX	S80D26R	NX110-5MF
Kubota	RTV400   BAT-U1MF   U1MF		U1-340	SU1-60	U1-280
Kubota	RTV-X900   BAT-55D23L   55D23L		55D23LX	S55D23L	55D23L
Kubota	RTV-X1120   BAT-NS70L   NS70L		80D26LX	S80D26L	NX110-5LMF
Kubota	RTV-X1100   BAT-NS70L   NS70L		80D26LX	S80D26L	NX110-5LMF
Kubota	RTV-X1140   BAT-NS70L   NS70L		80D26LX	S80D26L	NX110-5LMF
Kubota	RTV 500 ATV		50D20R	S50D20R	50D20R
Kubota	RTV 900 ATV		50D20L	S50D20L	50D20L
Kubota	RTV 1100 / 1140 ATV		80D26LX	S80D26L	NX110-5LMF
Kubota	SSV/SSL65/75   BAT-86ZMF   N100MF		G31-1000	S31 900	31-900/31-1000
Kubota	SVL75-2   BAT-86ZMF   N100MF		G31-1000	S31 900	31-900/31-1000
Kubota	SVL90/95   BAT-86ZMF   N100MF		G31-1000	S31 900	31-900/31-1000
Kubota	SQ1120 / SQ1150 generator		80D26RX	S80D26R	NX110-5MF

Kubota	SQ3140 / SQ3200 / SQ3300 generator (PN70ZZMF will fit)		80D26RX	S80D26R	NX110-5MF
Kubota	*TBA bottom-hold-down ledge LHPos				
Kubota	T2090BR   BAT-U1MF   U1MF		U1-340	SU1-60	U1-280
Kubota	T2290KW   BAT-U1MF   U1MF		U1-340	SU1-60	U1-280
Kubota	T2290KWT   BAT-U1MF   U1MF		U1-340	SU1-60	U1-280
Kubota	T1560 / T1670 / T1770 mower		U1-340	SU1-60	U1-280
Kubota	T1880 / T2080 / T2380 mower		U1-340	SU1-60	U1-280
Kubota	U17-3 mini excavator		46B24R	S55B24R	NX100 S6MF
Kubota	U25-3S excavator (can also use 50D20R)		46B24R	S55D23R	55D23R
Kubota	U27-4   BAT-NS70L   NS70L		80D26LX	S80D26L	NX110-5LMF
Kubota	U35-4 excavator (*check height clearance)		56638	S56840	57233
Kubota	U45-3 excavator		80D26RX	S80D26R	NX110-5MF
Kubota	U48-4   BAT-N70ZZL   N70ZZL		105D31L	S95D31L	27HR-780HD
Kubota	U55-4 excavator		105D31R	S95D31LHD	27HR-750
Kubota	X1120D / X1140 RTV		80D26LX	S80D26L	NX110-5LMF
Kubota	Z122RKW   BAT-U1MF   U1MF		U1-340	SU1-60	U1-280
Kubota	Z122EBR   BAT-U1MF   U1MF		U1-340	SU1-60	U1-280
Kubota	Z125EBR   BAT-U1MF   U1MF		U1-340	SU1-60	U1-280
Kubota	Z121SKH   BAT-U1MF   U1MF		U1-340	SU1-60	U1-280
Kubota	Z125SKH   BAT-U1MF   U1MF		U1-340	SU1-60	U1-280
Kubota	Z411KW   BAT-U1MF   U1MF		U1-340	SU1-60	U1-280
Kubota	Z421KW   BAT-U1MF   U1MF		U1-340	SU1-60	U1-280
Kubota	ZD1011   BAT-NS60L   NS60L		46B24LS	S55B24LS	51BR-430
Kubota	ZD1211   BAT-NS60L   NS60L		46B24LS	S55B24LS	51BR-430
Kubota	ZD1221R   BAT-NS60L   NS60L		46B24LS	S55B24LS	51BR-430
Kubota	ZD1221L   BAT-NS60L   NS60L		46B24LS	S55B24LS	51BR-430
Kubota	ZD1221RL   BAT-NS60L   NS60L		46B24LS	S55B24LS	51BR-430
Kubota	ZD18 / ZD21 / ZD28 mower		46B24LS	S55B24LS	51BR-430
Kubota	ZD326 / ZD331 / ZD331LP mower		46B24LS	S55B24LS	51BR-430
Kubota	ZG332   BAT-NS60L   NS60L		46B24LS	S55B24LS	51BR-430
Kubota	ZG222 / ZG327 mower		U1-340	SU1-60	U1-280

### Lamborghini Tractors

Note: Check for Bottom hold-Down Ledge requirement

Lamborghini	115 / 135 Formula	1991-2002			
Lamborghini	165 / 190 Racing	1991-2002			
Lamborghini	664-65 / 674-75 / 684-85 Sprint	1999-2006	60044	S60038	60038
Lamborghini	674-70, 774-80, 874-90 Ergomatic	1984-on	105D31L	S95D31LHD	27HR-750



Lamborghini	775F Plus (BHD ledge)		105D31L	S95D31LHD	27HR-750
Lamborghini	874 GP	~2004	105D31L	S95D31LHD	27HR-750
Lamborghini	990F Plus		105D31L	S95D31LHD	27HR-750
Lamborghini	R1056 / R1106 / 1306 / 1506	1984-1997			
Lamborghini	R6 Series / R8 Series - all				
<b>Landini</b>					
Landini	Atlas 80 / 90 / 100		105D31L	S95D31LHD	27HR-750
Landini	Landforce 115 / 125		60044		60038
Landini	Multifarm 75 / 80 / 90		58043	S59095	59095
Landini	Powerfarm 80 / 95 / 105		105D31L	S95D31LHD	27HR-750
Landini	Rex F Series 70 / 85 / 95 / 100		105D31L	S95D31LHD	27HR-750
Landini	Rex GE Series 75 / 85 / 95 / 105		105D31L	S95D31LHD	27HR-750
Landini	Rex GT Series 95GT / GT		105D31L	S95D31LHD	27HR-750
Landini	Rex V60 / V65 / V70 / V80		56638	S57220	58012
Landini	Techno 85 / 95		105D31L	S95D31LHD	27HR-750
Landini	Vision 80 / 90 / 100		105D31L	S95D31LHD	27HR-750
<b>LS (LEUS)</b>					
LS	LS Plus 80 / PS70 / PS80 (Korea)		80D26LX	S80D26L	NX110-5LMF
<b>Luigong</b>					
Luigong	35 diesel forklift	current	G31-1000	S31-901MF	31-900
Mahindra					
Mahindra	4025		105D31R	S95D31RHD	27H-750
Mahindra	5035		G31-1000	S31-901MF	31-900
Mahindra	5500 / 6500 (check polarity)	2002-2011	105D31R	S95D31RHD	27H-750
Mahindra	6030 / 6110 (check polarity)	2011-on	105D31R	S95D31RHD	27H-750
Mahindra	6060 / 7060 / 8560	2010-on	105D31R	S95D31RHD	27H-750
Mahindra	8000 / 9200 / 9500		105D31L	S95D31LHD	27HR-750
Manitou					
Manitou	MB 20 / MC 30 forklift				
Manitou	MB 40 / MB 50 / MB 60 forklift (check for BHD ledge)				
Manitou	MC 40 / MC 50 / MC 80 forklift (check for BHD ledge)				
Manitou	MLT627 / MLT730				
Manitou	MLT-X625				
Manitou	MLT-X730				
Manitou	MLT-X735 (use EFB for H/Duty)		56638	S57220 x 2	58012 x 2
Manitou	MLT-X1040L (OE = 1300CCA RHP + BHD Ledges)				

## Massey Ferguson

Note: TE, TE-A and some MF35 are Positive earth

Massey Ferguson	TE 20 / TE-A 20 Petrol 6 volt models				
Massey Ferguson	MF35 / 35X / 135 Petrol		85R550	22FR520SMF	22FR-520
Massey Ferguson	135 Diesel (original battery 1 x 86B or 2 x 6V)		105D31L	S95D31L	27HR-750
Massey Ferguson	165 / 175 / 178 / 185	1965-1977	G31-1000	S31-901MF	31-900
Massey Ferguson	240 / 250	1983-1999	105D31R	S95D31RHD	27H-750
Massey Ferguson	254 / 274 / 294	1982-1988	G31-1000	S31-901MF	31-900
Massey Ferguson	255 / 265 / 275 / 285 (single battery models)	1975-1984	G31-1000	S31-901MF	31-900
Massey Ferguson	275 / 285 (twin battery models)	1975-1984	80D26RX	S80D26R x 2	NX110-5MF x 2
Massey Ferguson	270 / 290 / 298	1983-1988	G31-1000	S31-901MF	31-900
Massey Ferguson	360 / 365 / 375 / 390 (twin-battery model)	1987-1999	56638	S56840 x 2	57233 x 2
Massey Ferguson	365 / 375 / 383 / 390 (single battery model)	1987-1999	G31-1000	S31-901MF	31-900
Massey Ferguson	394 / 396	1989-1996	60044	S60038	60038
Massey Ferguson	398 / 399	1987-1993	56638	S56840 x 2	57233 x 2
Massey Ferguson	1520 / 1525 / 1529 / 1532	current	80D26RX	S80D26R	NX110-5MF
Massey Ferguson	1528 / 1533 / 1540 (Japan)	2005-on	80D26RX	S80D26R	NX110-5MF
Massey Ferguson	1547 / 1552 / 1560 (Japan)	2005-2010	105D31R	S95D31RHD	27H-750
Massey Ferguson	1643 / 1648 / 1652 / 1655 / 1660	2009-2014	105D31R	S95D31RHD	27H-750
Massey Ferguson	2605 / 2615 / 2625 / 2635	2007-on	60044	S60038	60038
Massey Ferguson	2620 / 2640 / 2645 / 2675 / 2680 / 2685	1978-1988	G31-1000	S31-901MF x 2	31-900 x 2
Massey Ferguson	2705 / 2720 / 2725 / 2745 / 2770 / 2775	1976-1988	G31-1000	S31-901MF x 2	31-900 x 2
Massey Ferguson	2800 / 2805	1976-1985	G31-1000	S31-901MF x 2	31-900 x 2
Massey Ferguson	3050 / 3060 / 3070 / 3080	1986-1991	55520	S55458 x 2	90-500 x 2
Massey Ferguson	3065		56638	S56840 x 2	57233 x 2
Massey Ferguson	3090 / 3095 (check height clearance)	1986-1991	80D26RX	S80D26R x 2	NX110-5MF x 2
Massey Ferguson	3115 / 3120 / 3125	1990-1995	56638	S56840 x 2	57233 x 2
Massey Ferguson	3330 / 3340 / 3350	2001-2005	56630	S56840 x 2	57233 x 2
Massey Ferguson	3340 GE / 3440 F / 3440 GE	2001-2007	60044	S60038	60038
Massey Ferguson	3425 / 3435 / 3445 / 3455	2005-2011	60044	S60038	60038
Massey Ferguson	3630 / 3650 / 3680 (France)	1987-1992	85R550	S80D26R x 2	NX110-5MF x 2
Massey Ferguson	3660 / 3670 / 3690 (twin battery models)	1991-1996	80D26RX	S80D26R x 2	NX110-5MF x 2
Massey Ferguson	3660 / 3670 / 3690 (single battery models)	1991-1996	G31-1000	S31-901MF	31-900
Massey Ferguson	445 / 455	2011-on	G31-1000	S31-901MF	31-900
Massey Ferguson	5425 / 5445 / 5450 / 5455 / 5460 / 5465 / 5470 (France)	2005-2013	60044	S60038	60038
Massey Ferguson	5445 (check height clearance)	2008-on			
Massey Ferguson	5465 / 5470 (twin-battery models - check Polarity)		56638	S56840 x 2	57233 x 2

Massey Ferguson	5608 / 5609 / 5610 / 5611 / 5612 / 5613	2013-on	60044	S60038	60038
Massey Ferguson	5709 / 5710 (use EFB for H/Duty option)	current	56638	S57220	58012
Massey Ferguson	6110 / 6120 / 6130 / 6140 (France)	1995-2001	56638	S56840 x 2	57233 x 2
Massey Ferguson	6150 / 6170 / 6180 (France)	1995-2001	56638	S56840 x 2	57233 x 2
Massey Ferguson	6245 / 6255 / 6265 / 6270 / 6280 / 6290 (France)	1998-2005	56638	S56840 x 2	57233 x 2
Massey Ferguson	6445 / 6455 / 6460 (France)	2003-2014	56638	S56840 x 2	57233 x 2
Massey Ferguson	6465 / 6475 / 6480 (France)	2004-2013	56638	S56840 x 2	57233 x 2
Massey Ferguson	6485 / 6490 / 6495 (France)	2004-2013	56638	S56840 x 2	57233 x 2
Massey Ferguson	7140 / 7150 / 7170 / 7180 (Brazil)	2009-on			
Massey Ferguson	7465 / 7475 / 7480 / 7485 / 7490 / 7495	2004-2007	56638	S56840 x 2	57233 x 2
Massey Ferguson	7465 / 7475 / 7480 / 7485 / 7490 / 7495	2008-2013			
Massey Ferguson	7614 / 7615 / 7616 / 7618 (may be LH Pos - check)	2013-2014	56638	S56840 x 2	57233 x 2
Massey Ferguson	7614 / 7615 / 7616 / 7618 (check polarity)	2015-on	56638	S57220 x 2	58012 x 2
Massey Ferguson	7619 / 7620 / 7622 / 7624 / 7626 (RH Pos)	2013-on	56638	S57220 x 2	58012 x 2
Massey Ferguson	7714 / 7715 / 7716 / 7720 (6.6ltr)	2015-on	56638	S57220 x 2	58012 x 2
Massey Ferguson	7722 / 7724 / 7726 (7.4ltr)	2015-on	56638	S57220 x 2	58012 x 2
Massey Ferguson	8220 / 8245 / 8250 / 8260 / 8270 / 8280	1999-2004	56638	S57220 x 2	58012 x 2
Massey Ferguson	8650 / 8660 / 8670 / 8680 / 8690 (made in France)	2009-2015	60044	S60038 x 2	60038 x 2
Massey Ferguson	9550 / 9560 harvester	~2012-	56638		56219 x 2
Massey Ferguson	9690 / 9790 harvester	~2003~2008			
Massey Ferguson	9695 / 9795 / 9895 harvester	~2003~2012			
Massey Ferguson	TH7038 telehandler	current			

### McCormick

McCormick	C70 / C80 / C90 / C100	2001-2004	105D31L	S95D31LHD	27HR-750
McCormick	C75 Max / C85 Max / C95 Max / C105 Max	2004-2008	105D31L	S95D31LHD	27HR-750
McCormick	C80 Max / C90 Max / C100 Max / C110 Max	2007-on	105D31L	S95D31LHD	27HR-750
McCormick	CX75 / CX85 / CX95 / CX105	2003-2008	105D31L		
McCormick	F85 / F90 (BHD ledge)	2009-2017	105D31L	S95D31LHD	27HR-750
McCormick	F100 / F110GE / F120XL (BHD ledge)	2009-2017	105D31L	S95D31LHD	27HR-750
McCormick	MC95 / MC105 / MC115 / MC130 tractor	2003-2008	G31-1000	S31-901MF	31-900
McCormick	MTX Series tractors	2004-2007			
McCormick	T80 MAX / T90 MAX / T110MAX	2009-2014	105D31L	S95D31LHD	27HR-750
McCormick	X4.40 / X4.50 / X4.60 / X4.70	2014-on	58043	S59096	DIN59096
McCormick	X5.30 / X5.40	2015-on	58043	S59096	DIN59096
McCormick	X6.420 / X6.430 / X6.460	2014-on	58043	S59096 x 2	DIN59096 x 2
McCormick	X7.660 / X7.680	2013-on	58043	S59096 x 2	DIN59096 x 2
McCormick	X70.50 / X70.60 / X70.80	2012-on			
McCormick	XTX.185 / XTX.200 / XTX.260	2005-2009			

Merlo					
Merlo	P25.6 / P26.6 / P34.7 / P36.10 telehandler	100Ah	60044	S60038	60038
Merlo	P40.7 telehandler	100Ah	60044	S60038	60038
Merlo	P60.10 / P70.10 / P72.10 telehandler	100Ah	60044	S60038	60038
MST					
MST	M542+ backhoe loader				
MST	M544+ backhoe loader				
MST	M662 / M644 backhoe loader				
Mustang					
Mustang	1650R skid-steer loader		G31-1000		31-1000
New Holland (includes Ford-New Holland - see also Ford Tractors)					
New Holland	5030 (OEM = 470mm long, RHP, BHD)				
New Holland	6635				
New Holland	5640 / 6640 / 7740 tractor	1996-2002			
New Holland	8240 / 8340 tractor	1996-1999			
New Holland	8160 / 8260 / 8360 / 8560 tractor	1996-2000	G31-1000	S31-901MF x 2	31-900 x 2
New Holland	8670 / 8770 / 8870 / 8970 tractor	1993-2003	G31-1000T		31-900(T) x 2
New Holland	9280 / 9480 / 9680 tractor	1994-1996	G31-1000T		31-900(T) x 3
New Holland	9282 / 9482 / 9682 / 9882 tractor	1996-2001	G31-1000T		31-900(T) x 3
New Holland	B95 / B110 / B110B / B115B loader	2006-on	60044	S60038	60038
New Holland	Boomer 1030 / 2030 / 2035	2008-on	46B24RS	S55B24RS	51-430
New Holland	Boomer 25 / 35 / 40 / 50 tractor	2011-on	105D31R	S95D31RHD	27H-750
New Holland	Boomer 4055 / 4060	2008-2013	105D31R	S95D31RHD	27H-750
New Holland	C227 / C232 / C238 skid-steer (may be stud terminal)	current	G31-1000T	S31-900MF	31-900 / T
New Holland	E27 / E30B / E35B mini-excavator	current	56638	S57220	58012
New Holland	H8040 windrower		G31-1000	S31-901MF	31-900
New Holland	H8060 / H8080 windrower		G31-1000	S31-901MF x 2	31-900 x 2
New Holland	L60 / L65 / L75 / L85 / L95 tractor	1996-2000	G31-1000		
New Holland	L125 mini Loader (side terminals)				75-610
New Holland	L213 / L215 loader (check terminal type)		G31-1000	S31-901MF	31-900
New Holland	L218 / L220 / L230 loader (check terminal type)		G31-100	S31-901MF	31-900
New Holland	LM6.32 / LM6.35 telehandler	current			
New Holland	LM7.35 / LM7.42 / LM9.35 telehandler	current			
New Holland	LS150 / LS170 / LS180 skid-steer (check terminal type)		G31-1000	S31-900MF	31-900T
New Holland	TC35 / TC40	1999-2003	80D26LX	S80D26L	NX110-5LMF
New Holland	TC35D / TC40DA / TC45D	2003-2010	55530	S56030	56219
New Holland	TC48DA / TC55DA	2003-2010	105D31R	S95D31RHD	27H-750
New Holland	TD5.90 / TD5.100 / TD5.105 (bottom hold-down ledge)				

New Holland	TD5.90 / TD5.100 / TD5.105 (top hold-down clamp)	current			
New Holland	TD60 / TD70 / TD80 / TD90 / TD95	2003-2006	G31-1000	S31-901MF	31-900
New Holland	TD60D / TD70D / TD80D / TD90D / TD95D	2006-on	60044	S60038	60038
New Holland	TD5010 / TD5020 / TD5030 / TD5040 / TD5050	2009-on			
New Holland	TG210 / TG230 / TG255 / TG285 (USA)	2002-2008	G31-1000	S31-901MF x 2	31-900 x 2
New Holland	TG215 / TG245 / TG275 / TG305 (USA)	2006-2010	G31-1000	S31-901MF x 2	31-900 x 2
New Holland	TJ275 / TJ325 / TJ375 / TJ425 / TJ450 / TJ500	2002-2006	G31-1000T		31-900(T) x 2
New Holland	TJ280 / TJ380 / TJ430 / TJ480 / TJ530 (check length)	2006-2009			
New Holland	TL70 / TL80 / TL90 / TL100	1999-2004	60044	S60038	60038
New Holland	TL70A / TL80A / TL90A / TL100A	2005-2008			
New Holland	TM115 / TM125 / TM135 / TM150 / TM165	1999-2002			
New Holland	TM120 / TM130 / TM140 / TM155 / TM175 / TM190	2002-2008			
New Holland	TN55 / TN65 / TN70 / TN75	1999-2005	105D31R	S95D31RHD	27H-750
New Holland	TN55D / TN65D / TN70D / TN75D (OE = 88HR - LHP)	1999-2005	58043	S59095	59095
New Holland	TN60A / TN70A / TN75A / TN85A / TN95A	2004-2009	60044	S60038	60038
New Holland	TN60DA / TN70DA / TN75DA / TN95DA	2004-2009	60044	S60038	60038
New Holland	TN65F / TN70F / TN75F / TN95F	1999-2005	60044	S60038	60038
New Holland	TN75FA / TN85FA / TN95FA	2004-2009	60044	S60038	60038
New Holland	TN55S / TN65S / TN70S / TN75S	1998-2004	105D31R	S95D31RHD	27H-750
New Holland	TN60SA / TN70SA / TN75SA	2004-2009	60044	S60038	60038
New Holland	TS90 / TS100 / TS110 / TS115	1999-2003	G31-1000	S31-901MF	31-900
New Holland	TS100A / TS110A / TS115A (check length 500+mm)	2003-2008			
New Holland	TS100A / TS110A / TS115A (option check length)	2003-2006			
New Holland	TS125A / TS135A	2003-2008			
New Holland	TS6020 / TS6030	2010-2013			
New Holland	T5030 / T5040 / T5050 / T5060 / T5070	2008-2013		/	
New Holland	T4.75 / T4.85 / T4.95 / T4.105 (check polarity)	2012-on	58043	S59095	59095
New Holland	T4.75 / T4.85 / T4.95 model #JN7LCA		60044	S60038	60038
New Holland	T5.95 / T5.105 / T5.115	2013-on			
New Holland	T5.95 / T5.105 / T5.115 H/Duty option	2015-on			
New Holland	T5.105EC / T5.115EC Electro-Command	2016-on			
New Holland	T6010 / T6020 / T6040 / T6060 / T6070 PLUS series	2007-2013			
New Holland	T6030 / T6050 ELITE H/Duty option	2007-2013			
New Holland	T6070 ELITE / T6080 ELITE / T6090 ELITE	2007-2013			
New Holland	T6070 ELITE / T6080 ELITE / T6090 ELITE	2014-on			
New Holland	T6070 PLUS / T6080 PLUS / T6090 PLUS	2008-on			
New Holland	T6080	current			
New Holland	T6.140 / T6.150 / T6.160	2012-2015			

New Holland	T6.145 / T6.155 / T6.165 / T6.180	2014-on			
New Holland	T7030 / T7040 / T7050 / T7060 / T7070	2007-2012			
New Holland	T7510 / T7520 / T7530 / T7550	2007-2009			
New Holland	T7.170 / T7.185 / T7.200 / T7.210 Standard	2011-2014			
New Holland	T7.170 / T7.185 / T7.200 / T7.210 Heavy Duty option	2011-on			
New Holland	T7.175 / T7.190 / T7.210 / T7.230 / T7.245	2014-on			
New Holland	T7.220 / T7.235 / T7.250	2011-2014			
New Holland	T7.260 / T7.270	2011-on			
New Holland	T7.290 / T7.315	2016-on			
New Holland	T8010 / T8020 / T8030 / T8040 / T8050 (USA)	2007-2011	G31-1000	S31-901MF x 2	31-900 x 2
New Holland	T8 series T8.300 / T8.330 / T8.360 / T8.390 (USA)	2011-2015	G31-1000	S31-901MF x 2	31-900 x 2
New Holland	T8 Genesis T8.320 / T8.350 / T8.380 / T8.410 / T8.435	2015-on			
New Holland	T9020 / T9040 / T9050 / T9060 (USA)	2007-2012			
New Holland	T9.450 / T9.450 / T9.505 / T9.560 / T9.615 / T9.670	2011-2016			
New Holland	T9.435 / T9.480 / T9.530 / T9.565 / T9.600 / T9.700	2015-on			
New Holland	TT4.55 / TT4.75 / TT4.90		N100L	SN100L	N100L
New Holland	TT55 / TT75	2002-2009	60044	S60038	60038
New Holland	TV140 / TV145 tractor	1998-2009			
New Holland	TV6070 tractor	2008-on	G31-1000	S31-901MF	31-900
New Holland	TVT170 / TVT195 tractor				
New Holland	Workmaster 35 / 40	2013-on	105D31R	S95D31RHD	27H-750
New Holland	Workmaster 45 / 55 / 65 / 75	2009-on	N100L	SN100L	N100L
New Holland Harvester					
New Holland	9040M grape / olive harvester				
New Holland	9060L / 9080L / 9090L grape / olive harvester	current			
New Holland	CR940 / CR960 / CR970 harvester		G31-1000	S31-901MF x 2	31-900 x 2
New Holland	CR7090 / CR8090 harvester		G31-1001	S31-901MF x 2	31-900 x 2
New Holland	CR8070 / CR8080 / CR8090 harvester		80D26RX		2 x 730CCA
New Holland	CR9060 / CR9070 / CR9080 / CR9090 harvester		60044	S60038 x 2	60038 x 2
New Holland	CSX7050 / CSX7070 harvester				
New Holland	CX780 / CX840 / CX880 harvester	~2004	60044	S60038 x 2	60038 x 2
New Holland	CX8060 / CX8070 / CX8080 / CX8090 harvester		60044	S60038 x 2	60038 x 2
New Holland	TR 86 / TR 88 / TR 99 harvester		G31-1000	S31-901MF x 2	31-900 x 2
New Holland	TX 65 / TX 66 / TX 68 harvester		60044	S60038	60038
New Holland	VX 680 harvester	~2005			
New Holland	VX 7050 / VX 7090 olive harvester	~2009			

PR Power					
PR Power	PR4000 lighting tower		55040004000	S55066	55534
Roadway Rollers					
Roadway	RWYL51BC roller	current	55530	S56030	56219
Roadway	RWYL61B roller	current	56638	S57220	58012
Same					
Same	Dorado 65 / F70 / S90 / S100		60044	S60038	60038
Same	Explorer 100E	current	60044	S60038	60038
Same	Frutteto 75 / 85		105D31L	S95D31LHD	27HR-750
Same	Silver 85 / 90 / 95		N150	SN150	N150HD
Same	Silver 110				
Same	Solaris 35 / 45 / 55		56638	S57220	58012
Sany (Excavator)					
Sany	SY135C excavator		N100	SN100 x 2	N100 x 2
Sany	SY215C excavator		N100	SN100 x 2	N100 x 2
Sota (APOLLO tractors)					
Sota	254 (Bolt-on terminals)		105D31L	S95D31LHD	27HR-750
Sota	354 / 454 / 554		105D31L	S95D31LHD	27HR-750
Sota	854		N100L	SN100L	N100L
Sota	1104				
Steiger (see Case IH Steiger also)					
Steiger	Bearcat III / Cougar II / Panther II / Panther III	1976-1984	N200	SN200 x 2	8D-1300 x 2
Steiger	Bearcat IV KM-225 (check for stud terminals)	1983-1986	G31-1000T		31-900T x 4/3
Steiger	Steiger 400 / 450 / 500 / 550 / 600 (check terminals)		G31-1000T		31-900T x 4/3
Steiger	Steiger 550	current			
Sumitomo					
Sumitomo	LS2800 excavator				
Sumitomo	SH80 excavator		105D31R	S95D31RHD	27H-750
Sumitomo	SH120-3 excavator				
Sumitomo	SH130-5 / SH130-6 excavator		105D31R	S95D31RHD x 2	27H-750 x 2
Sumitomo	SH145X-6 excavator (check polarity)		105D31R	S95D31RHD x 2	27H-750 x 2
Sumitomo	SH235 excavator	12V parallel	N100 & N100L	SN100 & SN100L	N100L & N100R
Sumitomo	SH250 excavator		N100	SN100 x 2	N100R x 2
Sumitomo	SH350HD excavator		N150	SN150 x 2	N150 x 2
Sumitomo	SH480 excavator		N120	SPN120MF x 2	SPN120MF x 2
Takeuchi					
Takeuchi	TB 020 / TB 045		80D26RX	S80D26R	NX110-5MF
Takeuchi	TL10 / TL12 loader		56638	S57450EFB	58012

Terex (see also ASV)					
Terex	655				
Terex	PT30 mini-loader (OE may be group70 side terminal)				
Terex	PT50 / PT60 / PT70 / PT80 track loader		78-670	S78DT-6MF	78DT-790
Terex	PT100 loader		G31-1000	S31-901MF	31-900
Terex	R160T loader		78-670	S78DT-6MF	78DT-790
Terex	TSR50 / TSR60 loader		G31-1000	S31-901MF	31-900
Toyota (Material Handling)					
Toyota	32-8FG25 forklift (can use S55B25LS H/Duty)		38B19LS	S42B19LS	NS40ZLSMF
Toyota	4SDK4 / 4SDK8 Huski mini-loader		46B24R	S55B24R	NX100-S6MF
Toyota	5SDK5 Huski mini-loader	1.6ltr dsl	46B24R	S55B24R	NX100-S6MF
Valtra					
Valtra	205 / 255 / 305 / 355 / 405 / 415 / 455 / 465	Req. Spacer			
Valtra	502 / 504 / 512 / 542 / 555	Req. Spacer			
Valtra	505 / 605 / 615 / 705 / 805				
Valtra	600 / 602 / 604 / 665	Req. Spacer			
Valtra	700 / 702 / 712 / 800 / 802 / 803 / 812 / 865	Older Models			
Valtra	755 / 815 / 855 / 865 (check battery length 340mm)	Req. Spacer			
Valtra	900 / 903 / 912 / 942				
Valtra	905				
Valtra	4100 / 4300 / 4400 / 4500 / 4600	Req. Spacer			
Valtra	6100 / 6200 / 6300 / 6400 / 6600 / 6800	Pre-1998			
Valtra	6100/ 6200 / 6300 / 6400 / 6600 / 6800 / 6900	1999-on			
Valtra	6250Hi / 6850Hi / 8050Hi / 8950Hi				
Valtra	8000 / 8150 / 8200 / 8400 / 8450 / 8550 / 8750	Pre-1998			
Valtra	8000 / 8150 / 8200 / 8400 / 8450 / 8550 / 8750	1999-on			
Valtra	A92 (requires spacer)				
Valtra	A83 / A93 / A95		N100	SN100	N100R
Valtra	C100 / C110 / C120 / C130 / C150				
Valtra	H800 / H810				
Valtra	M120 / M130 / M150	2003-2014			
Valtra	N92				
Valtra	N93 / N101 / N103 / N113 / N123 / N141 / 143				
Valtra	S230 / S240 / S260 / S280	2002-on			
Valtra	S232 / S262 / S292 / S322 / S352		60044	S58515 / 60038	58515 / 60038
Valtra	T120 / T130 / T140 / 150 / 160 / 170 / 180 / 190	2002-2008			
Valtra	T121 / T131 / T151 / T161 / T171 / T191	2008-on			
Valtra	T152				



Valtra	T133 / T153 / 163 / 173 / 183 / 193 / 203 / 213				
Valtra	T144 / T154 / T174 / T194 / T214 / T234				
Valtra	X100 / X110 / X120				
Valtra	XM130 / XM150				
<b>Versatile</b>					
Versatile	2425	2000-2009	G31-1000	S31-901MF x 3	31-900 x 3
Versatile	250 / 280 / 290 / 305	2009-on	G31-1000	S31-901MF x 2	31-1000 x 2
Versatile	340 / 375 / 400	2008-2012	G31-1000	S31-901MF x 3	31-1000 x 3
Versatile	425 / 450 / 475 / 500	2012-on	G31-1000	S31-901MF x 3	31-1000 x 3
Versatile	435 / 485 / 535	2008-2012	G31-1000	S31-901MF x 3	31-1000 x 3
Versatile	450DT / 500DT / 550DT (tracks)	2013-on	G31-1000	S31-901MF x 3	31-1000 x 3
Versatile	520 / 620 (620HP)		G31-1000	S31-901MF x 3	31-1000 x 3
Versatile	846 / 876 / 946 / 976	1985-1993	G31-1000	S31-901MF x 4	31-900 x 4
<b>Volvo Construction Equipment</b>					
Volvo	A30C / A35D / A35F articulated hauler				
Volvo	A40D articulated hauler				
Volvo	A40E / A40F articulated hauler				
Volvo	EC140 / EC150 excavator		N150	SN150 x 2	N150HD x 2
Volvo	EC160B / EC180B / EC210B / EC210C excavator		N150EN	SN150L x 2	N150R x 2
Volvo	EC160C / EC180C excavator				
Volvo	EC250L excavator	~2014			
Volvo	EC280 excavator				
Volvo	EC360 / EC360B excavator		N200L		8D-1300R x 2
Volvo	EC380DL excavator	~2015			
Volvo	EC460B / EC460CL excavator		N200L		8D-1300R x 2
Volvo	G930 grader	~2006			
Volvo	L60E-F / L70E-F / L90E-F wheel loader	2004-2012	G31-1000	S31-901MF x 2	31-900 x 2
Volvo	L60G / L70G / L90G wheel loader	2012-on	G31-1000	S31-901MF x 2	31-900 x 2
Volvo	L110 / L120 loader (OE = 160F51 x 2)		N120	SPN120MF x 2	PN120MF x 2
Volvo	L150E-G / L220E loader (OE = 160F51 x 2)	~2013	N120	SPN120MF x 2	PN120MF x 2
Volvo	SD80-D roller				
<b>Yanmar</b>					
Yanmar	C12R all-terrain carrier		38B19LS	22NF330D	22NF330D
Yanmar	LX490 tractor		105D31R	S95D31RHD	27H-750
Yanmar	SV 08 mini-excavator (use EFB for heavy-duty option)		38B19L	S42B19L	NS40ZLMF
Yanmar	SV 100 excavator		N100	SN100	N100R
Yanmar	V4 / V4-7 wheel loader		105D31R	S95D31RHD	27H-750
Yanmar	VIO 17 mini-excavator		38B19LS	22NF330LS	22NF330LS

Yanmar	VIO 20-3 / VIO 25-6 mini-excavator		N43	22NF330D	22NF330D
Yanmar	VIO 30-6 / VIO 35-6 excavator		80D26RX	S80D26R	NX110-5MF
Yanmar	VIO 45-6 / VIO 55-6 excavator		105D31R	S95D31RHD	27H-750
Yanmar	VIO 75 / VIO 80 excavator		105D31R	S95D31RHD	27H-750
<b>YTO</b>					
YTO	X354 / X404		105D31R	S95D31RHD	27H-750
YTO	X454		G31-1000	S31-901MF	31-900
YTO	X704 / X754		N100	SN100	N100R
YTO	X804 / X904		N100	SN100	N100R
YTO	LX904H		N100	SN100	N100R
YTO	X1254		N150	SN150	N150
<b>Zetor</b>					
Zetor	2511 / 3511 / 3545		60044	S60038	60038
Zetor	4511 / 5511 / 5545		G31-1000	S31-901MF x 2	31-900 x 2
Zetor	4712 / 5711		G31-1000	S31-901MF	31-900
Zetor	5211 / 6211				
Zetor	5245 / 6245				
Zetor	6745		G31-1000	S31-901MF	31-900
Zetor	7211 / 7245 / 7711 / 7745				
Zetor	8011 / 8045		G31-1000	S31-901MF	31-900
Zetor	8111 / 8145 / 9111 / 9145		G31-1000	S31-901MF x 2	31-900 x 2
Zetor	8245		G31-1000		
Zetor	10011 / 10045 / 10145 / 10245		G31-1000	S31-901MF x 2	31-900 x 2
Zetor	12111 / 12145 / 14145 / 16145		G31-1000	S31-901MF x 2	31-900 x 2
Zetor	Forterra Range				
Zetor	Proxima Range				