



# Commercial Battery fitment guide with cross reference

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**CLUBASSIST**



# Battery fitment & cross reference guide

July 2023

MAKE	MODEL	YEAR	Club Assist	Penske	R&J/Predator	ACDelco	DELKOR	Exide	Supercharge	Hardcore	Validation Comments
<b>BCI Bus</b>											
BCI	Airporter		4952	RDPN150				4D	MFN150	MFN150A	
BCI	Citirider D double decker	2017-on	4998	RDPN200				8DMF/ N200	MFN200/ TMN200P	MFN200A	
BCI	Classmaster series		4951	RDPN150L	MFN150A			N150MFE		MFN180A	
BCI	Cruiser 9		4952	RDPN150				4D	MFN150	MFN150A	
BCI	Cruiser 12		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
BCI	Proma DX mid-size		4952	RDPN150				4D	MFN150	MFN150A	
BCI	Explorer M/Benz-based		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
BCI	Fleetmaster 33 / 43 / 55									MFN180A	
BCI	Fleetmaster 3 axle		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
BCI	Cruiser		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	

<b>BLT</b>											
BLT	Sabre Terminal Truck		4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	

<b>Bonluck Bus</b>											
Bonluck	City Star articulated		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Bonluck	i6 Irizar Bus (MAN-based)									MFN180A	
Bonluck	i6 Irizar Bus (Volvo-based)									MFN180A	
Bonluck	President 3		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Bonluck	Senator 8									MFN180A	

<b>Bustech</b>											
Bustech	XDi	current	6626		N26			26B	TMN25	N26	

<b>CAT Trucks (see also CAT Agri &amp; Construction listing)</b>											
CAT	CT610	RDPMF31930	4861	RDPMF31931	MF31-900	S31-901MF	31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	
CAT	CT630	RDPMF31930	4861				31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	

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<b>CAT Trucks (see also CAT Agri &amp; Construction listing)</b>											
CAT	CT700	RDPMF31930	4861				31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	
<b>Clark (see separate listing for Clark Forklifts)</b>											
Clark	YT220Euro Terminal Truck		4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
<b>Daewoo</b>											
Daewoo	BH090L bus		4998	RDPN200	MF200	SN200	8D-1300	8DMF/ N200	MFN200/ TMN200P	HCC200MF	
Daewoo	BH117L bus		4998	RDPN200	MF200	SN200	8D-1300	8DMF/ N200	MFN200/ TMN200P	HCC200MF	
<b>DAF</b>											
DAF	65 CF/75CF/85CF	1998-2001	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
DAF	95 XF	1997-2003	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
DAF	CF65-180 / 220 / 250 / 65-300	2001-2013	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
DAF	CF75-250 / 310 / 75-360	2001-2013	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
DAF	CF85-340 / 410 / 430 / 85-460	2001-2013	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
DAF	CF85-340 / CF85-510 (batteries 273mm wide)	2014-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
DAF	CF85-510 (MX375) (check batteries 273mm wide)	2016-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
DAF	LF55-250 / 55-280 tray (spacer required)		4862	RDPMF31931	*86BHD			31-1100MF	MF31-931	*86BHD	
DAF	XF95-480		4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
DAF	XF105-510	2001-2013	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
DAF	XF105 FAD 8 x 4 Rigid	2013-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
DAF	XF105 FTT Starting Batteries	2014-on				57090AGM	LN3AGM				
DAF	XF105 FTT Auxiliary Batteries	2014-on	3888	3888ATM		S59590AGM	LN5AGM	SSAGM88EU	MF88HSS		
<b>Dayswroth</b>											
Daysworth	Kalmar Terminal Truck (check terminal type)		4862	RDPMF31931	MF31-900	531-901MF	31-900	31-1100MF	MF31-931	HCC31SC	

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<b>Dennis - Eagle</b>											
Dennis	Garbage Compactor truck - OEM batteries & tray		5922	5922ATM				N150MFF	EMFN150R	MFN150B	
Dennis	modified & batteries relocated		4952	RDPN150		SN150	N150HD	4D	MFN150	MFB180B	

<b>Ford Trucks (see also Sterling trucks)</b>											
Ford	Aeromax		4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Ford	Cargo 0812/ 1313 / 1515 / 1621 /2421		4862	RDPMF31931	86BHD			31-1100MF	MF31-931	86BHD	
Ford	HN80	1998-2009	4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
Ford	HX7500	1998-2009	4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
Ford	LT7500	1998-2009	4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
Ford	L8000 / LN8000	1x12volt	4998	RDPN200		SN200	8D-1300	8DMF/ N200	MFN200/ TMN200P	HCC200	
Ford	L9000	4x12volt	4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Ford	LNT8000 Louisville	4x12volt	4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Ford	LNT9000 / LTL9000 Louisville	2x12volt	4998	RDPN200		SN200	8D-1300	8DMF/ N200	MFN200/ TMN200P	HCC200	
Ford	LTL9000 / LTS9000 1st Generation	4x6volt	6626					26B	TMN25	N26	
Ford	Trader 0409 / 0509	2x12volt	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N50ZZMF/ LMN50ZZ	MF80D26R/ SMFNS70X		
Ford	Trader 4cyl Diesel	1x12volt	4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
Ford	Trader 6cyl Diesel	2x12volt	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N50ZZMF/ LMN50ZZ	MF80D26R/ SMFNS70X		

<b>Foton</b>											
Foton	45.110		4922	4922ATM	N120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
Foton	65.115					SN100	N100				
Foton	85.115					SN100	N100				

<b>Freightliner (Use AGM batteries if mounted inside cabin)</b>											
Freightliner	C112 / C120		4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
Freightliner	Argosy		4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	

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<b>Freightliner (Use AGM batteries if mounted inside cabin)</b>											
Freightliner	Century Class		4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
Freightliner	Classic		4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
Freightliner	Columbia (some models use 3 x batteries)		4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
Freightliner	Coronado		4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
Freightliner	FLA / FLB / FLC / FLD Series		4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
Freightliner	Models with AGM batteries mounted in cabin				HC110						

## FUSO (refer to Mitsubishi)

### GD Bus

GD Bus	GD70 / GD77	2014-on	4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
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### Grove

Grove	Cranes - Most models (BHD Ledge)									EURON150	
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### Higer Bus Note: Fit marine terminals to batteries where required

Higer	A30 Scania coach-based		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Higer	H7 / H8 mid-size 170 - 200HP		4922	4922ATM	DINAN120			N120MF	MFN120/ TMN120P	MFN120A	
Higer	H9 / H10 mid-large size 250 - 280HP		4922	4922ATM	DINAN120			N120MF	MFN120/ TMN120P	MFN120A	
Higer	H12 full-size 300 - 320HP		4998	RDPN200	*MF200	*SN200	*8D-1300	8DMF/ N200	MFN200/ TMN200P	*HCC200	

### Hino

Hino Bus	AB 26B bus	1985-1995	4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
Hino Bus	AC 140K Rainbow mid-size bus	1983-1989	4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
Hino Bus	CH (7M) Rainbow mid-size bus	1987-1999	4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
Hino Bus	BD / BG full-size bus	1989-on	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Hino Bus	BX340E bus	1979-on	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	

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Hino											
Hino Bus	FD230 / FD240 bus		2543	2543ATM	MF55D23R	S70D23R	55D23R	EN55D23RMF/ 55D23D	MF75D23R		
Hino Bus	HR Rainbow city bus	1999-2011	4922	4922ATM	MF120	SN120	N120x2	N120MF	MFN120/ TMN120P	HCC120	
Hino Bus	RB / AB Rainbow mid-size bus	1985-1996	4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
Hino Bus	KR Rainbow II city bus	2004-on									
Hino Bus	RG230 full-size bus	1990-on	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Hino Bus	RJ / RR full-size bus	1980-2004	4922	4922ATM	MF120	SN120	N120x2	N120MF	MFN120/ TMN120P	HCC120	
Hino Bus	RK8J / RN8J full-size bus	1996-on	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Hino Bus	Dutro 300 Series	2000-on	2544	2544ATM	MF55D23L	S70D23L	55D23L	EN55D23LMF/ 55D23C	MF75D23L		
Hino	Dutro 5000 / 6000	2003-2006			MF5OZZL	S80D26L	NX110-5LMF				
Hino	Dutro 6500 / 7500 / 8500	2003-2006			MF5OZZL	S80D26L	NX110-5LMF				
Hino 300	Hybrid 616 / Hybrid 716 / Hybrid 916	2007-on	4704	4704ATM	MF7OZZL	S95D31LHD	27HR-750	LMN7OZZL/ EN7OZZLMF	SMFN7OZZLX	HCC27LSC	
Hino 300	616 / 716 / 816 / 916 (300 Series)	2007-on	2544	2544ATM	MF55D23L	S70D23L	55D23L	EN55D23LMF/ 55D23C	MF75D23L		
Hino 300	617 / 717 / 917 / 920 / 921 (300 Series)	2011-on	2544	2544ATM	MF55D23L	S70D23L	55D23L	EN55D23LMF/ 55D23C	MF75D23L		
Hino	Ranger Series FC / FD / FE / FF / FG	1989-2001	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N5OZZLMF/ LMN5OZZL	MF80D26L/ SMFNS70LX		
Hino	Ranger Series GD	1989-2001	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N5OZZLMF/ LMN5OZZL	MF80D26L/ SMFNS70LX		
Hino 500	Ranger Series (500 Series)	2001-on			See below listings						
Hino 500	FC 1018 / FC 1022	2001-2016	2544	2544ATM	MF55D23L	S70D23L	55D23L	EN55D23LMF/ 55D23C	MF75D23L		
Hino 500	FD 1027 / FD 1124 / FD 1126	2001-2016	2544	2544ATM	MF55D23L	S70D23L	55D23L	EN55D23LMF/ 55D23C	MF75D23L		
Hino 500	FD 1124 Crew Heavy-Duty option	2001-2016	4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
Hino 500	FE 1422 / FE 1426	2001-2016	2544	2544ATM	MF55D23L	S70D23L	55D23L	EN55D23LMF/ 55D23C	MF75D23L		
Hino 500	FG 1527 / FG 1628 (can also fit 80D26L)	2001-2016	2544	2544ATM	MF55D23L	S70D23L	55D23L	EN55D23LMF/ 55D23C	MF75D23L		
Hino 500	FG 1628 Crew (& H/Duty option)	2001-2016	4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
Hino 500	FL 2628	2013-on	4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	

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<b>Hino</b>											
Hino 500	FM 2627	2001-2013	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N50ZZLMF/ LMN50ZZL	MF80D26L/ SMFNS70LX		
Hino 500	FM 2628 / FM 2630 / FM 2632	2001-2016	4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
Hino 500	FM 2628 / FM 2632 Heavy-Duty option	2001-2016			MF150	SN150	N150			HCC150	
Hino 500	GD 1227	2003-2011	4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
Hino 500	GH 1727	1992-2013	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N50ZZLMF/ LMN50ZZL	MF80D26L/ SMFNS70LX		
Hino 500	GH 1728	2008-2016	4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
Hino 500	GT 1322 / GT 1322 Crew 4X4	2004-2016	4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
Hino 700	700 Series FS / FY / SH / SS	2004-2016	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	

<b>I-Bus</b>											
I-Bus (Isuzu-based)	500 / 600		4901	4901ATM		SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
I-Bus (Isuzu-based)	850		4901	4901ATM		SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	

<b>International Trucks</b>											
International	Acco A510		4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N50ZZLMF/ LMN50ZZL	MF80D26L/ SMFNS70LX		
International	Acco 1630 / 1650 / 1810D				MF5OVT	22F520SMF	22F520				
International	Acco 1850 / 1950		4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N50ZZMF/ LMN50ZZ	MF80D26R/ SMFNS70X	HCC24SC	
International	Acco 2250 / 2350E		4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
International	2350G		4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N50ZZMF/ LMN50ZZ	MF80D26R/ SMFNS70X	HCC24SC	
International	Acco T Line / T2670 / T2700 / TK Line		4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
International	Acco 3070 / 3072 Eagle		4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
International	4470 / 4700		4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
International	7400 / 7600 (OE may be Group 31 size x 4)		4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
International	Eagle 9200		4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	

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<b>International Trucks</b>											
International	Eagle 9900		4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
International	Eagle (light-duty option)		4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
International	ProStar	2017-on	4861	RDPMF31930			31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	
International	S Line / S2600 / S2670 / S3300 / S3600		4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
International	Transtar / 4670 / 4700		4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	

<b>Isuzu</b>											
Isuzu	CXY / CXZ GIGA	1994-on	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Isuzu	EXD / EXY GIGA	1994-on	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Isuzu	FYH2000 / FYJ2000 Twin-steer		4901	4901ATM		SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FYX2000 Twin-steer		4901	4901ATM		SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	JCR /JCS	1984-on	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Isuzu	NKR (can also use MF5OZZ / S80D26R)	1985-2005	2543	2543ATM	MF55D23R	S70D23R	55D23R	EN55D23RMF/ 55D23D	MF75D23R		
Isuzu	NKR	2006-2007	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Isuzu	NLS200 Crewcab	2009-on	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N5OZZLMF/ LMN5OZZL	MF80D26L/ SMFNS70LX		
Isuzu	NLR200 / NLR275	2008-on	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N5OZZLMF/ LMN5OZZL	MF80D26L/ SMFNS70LX		
Isuzu	NNR200	2008-on	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N5OZZLMF/ LMN5OZZL	MF80D26L/ SMFNS70LX		
Isuzu	NNR 45-150 / 45-155 / 55-150	current	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N5OZZLMF/ LMN5OZZL	MF80D26L/ SMFNS70LX		
Isuzu	NPR200 / NPR250 / NPR275 / NPR300 / NPR400	1986-2007	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Isuzu	NPR200 / NPR250 / NPR275 / NPR400	2008-on	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N5OZZLMF/ LMN5OZZL	MF80D26L/ SMFNS70LX		
Isuzu	NPR 65-190 / 75-190	current	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N5OZZLMF/ LMN5OZZL	MF80D26L/ SMFNS70LX		
Isuzu	NPS250 / NPS300 4X4	2000-2007	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Isuzu	NQR450	1999-2007	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	

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MAKE	MODEL	YEAR	Club Assist	Penske	R&J/Predator	ACDelco	DELKOR	Exide	Supercharge	Hardcore	Validation Comments
Isuzu											
Isuzu	NQR450	2008-on	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N50ZZLMF/ LMN50ZZL	MF80D26L/ SMFNS70LX		
Isuzu	NQR 87-190	current	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N50ZZLMF/ LMN50ZZL	MF80D26L/ SMFNS70LX		
Isuzu	FRD	2006	2543	2543ATM	MF55D23R	S70D23R	55D23R	EN55D23RMF/ 55D23D	MF75D23R		
Isuzu	FRD	2007-on	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N50ZZLMF/ LMN50ZZL	MF80D26L/ SMFNS70LX		
Isuzu	FRD 107-210	current	4901	4901ATM		SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FRR500 / FRR525 / FRR550	1996-early2009	2543	2543ATM	MF55D23R	S70D23R	55D23R	EN55D23RMF/ 55D23D	MF75D23R		
Isuzu	FRR500 / FRD500 (Sitec Series III)	2009-on	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FRR600 (Sitec Series II)	2007-2008	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N50ZZLMF/ LMN50ZZL	MF80D26L/ SMFNS70LX		
Isuzu	FRR600 (Sitec Series III)	2009-on	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FRR 107-210 / 110-240 / 110-260	current	4901	4901ATM		SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FSD700 / FSD850	2009-on	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FSD 120-260 / 140-260	current	4901	4901ATM		SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FSR	1985-2005	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N50ZZMF/ LMN50ZZ	MF80D26R/ SMFNS70X	HCC24SC	
Isuzu	FSR700 / FSR700S (Sitec 220 / 255)	2006	2543	2543ATM	MF55D23R	S70D23R	55D23R	EN55D23RMF/ 55D23D	MF75D23R		
Isuzu	FSR700 / FSR850 (Sitec Series II)	2007-2008	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N50ZZLMF/ LMN50ZZL	MF80D26L/ SMFNS70LX		
Isuzu	FSR700 / FSR850 (Sitec Series III)	2009-on	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FSR 120-240 / 140-240 / 140-260	current	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FSS550 4X4	2006	2543	2543ATM	MF55D23R	S70D23R	55D23R	EN55D23RMF/ 55D23D	MF75D23R		
Isuzu	FSS550 4X4	2007-2008	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N50ZZLMF/ LMN50ZZL	MF80D26L/ SMFNS70LX		
Isuzu	FSS550 4X4 Crew Cab	2009-on	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N50ZZLMF/ LMN50ZZL	MF80D26L/ SMFNS70LX		
Isuzu	FSS550 4X4 Single Cab	2009-on	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FSS 110-210 Single Cab	current	4901	4901ATM		SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FSS 110-210 Crew Cab	current	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N50ZZLMF/ LMN50ZZL	MF80D26L/ SMFNS70LX		
Isuzu	FTR / FTS	1985-2005	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N50ZZMF/ LMN50ZZ	MF80D26R/ SMFNS70X	HCC24SC	
Isuzu	FTR900	2006	2543	2543ATM	MF55D23R	S70D23R	55D23R	EN55D23RMF/ 55D23D	MF75D23R		

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Isuzu											
Isuzu	FTR900	2013	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FTR 150-260	current									
Isuzu	FTS750 4X4	2006	2543	2543ATM	MF55D23R	S70D23R	55D23R	EN55D23RMF/ 55D23D	MF75D23R		
Isuzu	FTS800 4X4 Single Cab	2009-on	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FTS800 4X4 Crew Cab	2009-on	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N5OZZLMF/ LMN5OZZL	MF80D26L/ SMFNS70LX		
Isuzu	FTS 139-240 Single Cab	current	4901	4901ATM		SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FTS 139-240 Crew Cab	current	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N5OZZLMF/ LMN5OZZL	MF80D26L/ SMFNS70LX		
Isuzu	FVD1000	2009-2015	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FVD 165-260 / FVD 165-300	2016-on	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FVM 1400 / FVL1400	1989-2006	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Isuzu	FVM 1400 / FVL1400	2007-2008	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N5OZZLMF/ LMN5OZZL	MF80D26L/ SMFNS70LX		
Isuzu	FVM 1400 / FVL1400	2009-on	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FVR900 / FVR950	1989-	2543	2543ATM	MF55D23R	S70D23R	55D23R	EN55D23RMF/ 55D23D	MF75D23R		
Isuzu	FVR1000	2009-2015	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FVR 165-260 / FVR 165-300	2016-on	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FVY / FVZ 1400	1999-2006	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Isuzu	FVY / FVZ 1400	2007-2008	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N5OZZLMF/ LMN5OZZL	MF80D26L/ SMFNS70LX		
Isuzu	FVY / FVZ 1400	2009-2016	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FVZ 1400	1989-1999	2543	2543ATM	MF55D23R	S70D23R	55D23R	EN55D23RMF/ 55D23D	MF75D23R		
Isuzu	FXD / FXR	2008	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N5OZZLMF/ LMN5OZZL	MF80D26L/ SMFNS70LX		
Isuzu	FXD1000 / FXR1000	2009-on	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FXL1500	2009-on	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	FXZ1500	2008	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N5OZZLMF/ LMN5OZZL	MF80D26L/ SMFNS70LX		
Isuzu	FXY1500 / FXZ1500	2009-on	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100		
Isuzu	GIGA GXZ 415hp		4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Isuzu	GIGA 455hp		4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	

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<b>Isuzu</b>											
Isuzu	Gigamax 510hp		4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Isuzu	GXD 325hp / GXD 350hp	2009-on	4901	4901ATM	MF100L	SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	
Isuzu	SBR / SCR	1979-on	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Isuzu	Sitec 350	2015	4504	4504ATM	MF5OZZL	S80D26L	NX110-5LMF	N5OZZLMF/ LMN5OZZL	MF80D26L/ SMFNS70LX		

<b>Iveco</b>											
Iveco	Bus - most models		4952	RDPN150		SN150	N150	4D	MFN150	HCC150	
Iveco	Coach - Eurorider 310 / 380 / 450 hp	current								MFN180A	
Iveco	Daily Van / cab-chassis - all models	to2014								86BHD	
Iveco	Daily Van / cab-chassis - all models	2015-on			DIN100-EFB		LN6AGM				
Iveco	Acco - most models	to2014	4703	RDPN7OZZ	MF7OZZ	S95D31RHD	27H-750	LMN7OZZ/ EN7OZZMF	SMFN7OZZX	HCC27SC	
Iveco	Acco update (standard fitment)	2015-on	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Iveco	Acco update (factory heavy duty upgrade option)	2015-on	4703	RDPN7OZZ	MF7OZZ	S95D31RHD	27H-750	LMN7OZZ/ EN7OZZMF	SMFN7OZZX	HCC27SC	
Iveco	Eurocargo 80E / 100E / 130E / 160E / 180E	1999-2012	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Iveco	Eurocargo 80E & 100E may take DINAN120										
Iveco	Eurocargo ML120E		4922	4922ATM	DINAN120			N120MF	MFN120/ TMN120P	MFN120A	
Iveco	Eurocargo ML140 / 160 / 170 / 180 / ML225 / 230	1999-2012	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Iveco	Eurocargo ML Euro 5	2012-2016	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Iveco	Eurocargo ML120 / ML160 / ML180 Euro 6	2017-on	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Iveco	Eurostar	1993-2003	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Iveco	Eurotech MP4100 / MP4500 / MP4700	1998-2006	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Iveco	Powerstar - check if tight fit, use HCC27SC x 4										
Iveco	Powerstar 6400 / 6500 / 6800 / 7200 / 7800	1999-on	4703	RDPN7OZZ	MF7OZZ	S95D31RHD	27H-750	LMN7OZZ/ EN7OZZMF	SMFN7OZZX	HCC27SC	
Iveco	Pro Star International	2017-on	4861	RDPMF31930			31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	
Iveco	Stralis - check if tight fit, use HCC27SC x 4	2002-on								HCC27SC	
Iveco	Stralis AD 450 / AD 500	2002-on	4703	RDPN7OZZ	MF7OZZ	S95D31RHD	27H-750	LMN7OZZ/ EN7OZZMF	SMFN7OZZX	HCC27SC	

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<b>Iveco</b>											
Iveco	Stralis AD 505	2002-on	4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Iveco	Stralis AS-L 500 / 550 / 560	2002-on	4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Iveco	Stralis AS-L series II	2014-on	4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Iveco	Stralis AT 450 / AT 500	2002-on	4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Iveco	Stralis ATi 360 / 450	2002-2013	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Iveco	Stralis ATi 360 / ATi 450 E5	2014-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Iveco	Stralis 460	2002-2013	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Iveco	Stralis 460 EEV	2014-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Iveco	Stralis 500 EEV / 550 / 560 E5 (Aust. Build)	2002-on	4703	RDPN70ZZ				LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Iveco	Trakker	2004-on	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	

<b>Kenworth</b>											
Kenworth	Early models C500, K120, K140, L700, W900	(4x6volt)	6626					26B	TMN25	N26	
Kenworth	C501 / C508 / C509 / C510 / C540		4703	RDPN70ZZ		S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Kenworth	K100 /K104 /K108		4703	RDPN70ZZ		S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Kenworth	K125		4703	RDPN70ZZ		S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Kenworth	K200		4703	RDPN70ZZ		S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Kenworth	SAR 408 / 409	to12/2013	4703	RDPN70ZZ		S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Kenworth	T300 / T350 / T358 / T359 / T388 (check 3 or 4 batteries)		4703	RDPN70ZZ		S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Kenworth	T400 / T401 / T402 / T403 / T404 / T408 / T409	to12/2013	4703	RDPN70ZZ		S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Kenworth	T409 / T409 SAR Paccar MX-13 engine - 24 volt	2014-on	5922	5922ATM				N150MFF	EMFN150R	MFN150B	
Kenworth	T440		4703	RDPN70ZZ		S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Kenworth	T600 / T601 / T604 / T608 / T609		4703	RDPN70ZZ		S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	

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<b>Kenworth</b>											
Kenworth	T650 / T658 / T659		4703	RDPN70ZZ		S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Kenworth	T900 / T904 / T908 / T909 / T950		4703	RDPN70ZZ		S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Kenworth	T909 with long-range fuel tanks option					S58515	58515				

<b>Liebherr Cranes</b>											
Liebherr	Most (Crane) models (bottom hold-down ledges)		5921	RDP5921				N150MFE	EMFN150L	EURON150	
Liebherr	L550 / L586 wheel loader									MFN180A	

<b>Mack</b>											
Mack	Bus - most models		6626					26B	TMN25	N26	
Mack	Australian-assembled trucks		4703	RDPN70ZZ	MF7OZZ		27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Mack	270 (Renault-based model)		4922	4922ATM	DINAN120			N120MF	MFN120/ TMN120P	MFN120A	
Mack	CH Series Fleet-Liner	1989-on	4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Mack	Larger Renault-based (European)		4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Mack	Granite 435 - 500HP	2001-on	4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Mack	Metro-Liner 320 - 400HP		4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Mack	Mid-Liner G6ORST		4952	RDPN150	MF94B			4D	MFN150	MFN150A	
Mack	Quantum 435 - 470HP	2001&2005	4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Mack	Super-Liner 600 - 685HP		4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Mack	Titan 600 - 685HP		4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Mack	Trident 500 - 535HP		4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Mack	USA-built models		4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Mack	Value-Liner		4862	RDPMF31931	MF31-900	531-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
Mack	Vision CX612 / CXN612	1999-on	4952	RDPN150	MF94B			4D	MFN150	MFN150A	

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<b>MAN</b>											
M.A.N	10.155 / 10.220 / 11.296 bus		4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
M.A.N	12.190 / 14.230 bus		4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
M.A.N	18.270 / 18.290 / 18.350 bus / coach		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
M.A.N	19.290 / 19.320 bus / coach		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
M.A.N	22.280 / 22.370 / 24.420 coach		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
M.A.N	C130 Bus		4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
M.A.N	Starliner coach		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
M.A.N	Trucks - Most Models	1990-2014	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
M.A.N	15.280 / 18.280 / 18.330 / 18.340		4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
M.A.N	TGA Series	2000-on	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
M.A.N	TGM Series (check battery width is 273mm)	2005-2013	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
M.A.N	TGM Series	2014-on	3888	3888ATM	MF88HD		60038	SSAGM88EU	MF88HSS	LN5AGM	
M.A.N	TGS Series (if fitted with narrow width 190mm)	2007-on	4922	4922ATM	DINAN120			N120MF	MFN120/ TMN120P	MFN120A	
M.A.N	TGS Series (standard option battery width 222mm)	2007-on	4951	RDPN150L	MFN150A			N150MFE		MFN180A	
M.A.N	TGS 35.440 H/D option (battery width 273mm)		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
M.A.N	TGS 41.480 H/D option (battery width 273mm)		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
M.A.N	TGX Series	2007-2013	4951	RDPN150L	MFN150A			N150MFE		MFN180A	
M.A.N	TGX 18.400 / 18.480 / 26.480		4951	RDPN150L	MFN150A			N150MFE		MFN180A	
M.A.N	TGX 26.480 H/D option (battery width 273mm)		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
M.A.N	TGX 26.540 / 26.560 (battery width 273mm)	2014-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
M.A.N	TGX D38	2016-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	

<b>Mazda</b>											
Mazda	E2700 / E3000		4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
Mazda	E2500 / E3800		4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFN570X	HCC24SC	

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MAKE	MODEL	YEAR	Club Assist	Penske	R&J/Predator	ACDelco	DELKOR	Exide	Supercharge	Hardcore	Validation Comments
<b>Mazda</b>											
Mazda	T3000 / T3500 / T3500 bus		4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
Mazda	T4000		4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N50ZZMF/ LMN50ZZ	MF80D26R/ SMFNS70X	HCC24SC	
Mazda	T4100 / T4600		4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	

<b>Mercedes Benz</b>											
Mercedes Benz	1830 bus		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Mercedes Benz	Citaro coach (with Gel batteries fitted OEM)				GELN200A						
Mercedes Benz	Citaro coach	1998-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Mercedes Benz	Cito bus / coach	1999-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Mercedes Benz	Conecto bus / coach	2001-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Mercedes Benz	0 500LE / 0 500RF 3-axle coach		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Mercedes Benz	0 500R / 0 500U bus		4922	4922ATM	DINAN120			N120MF	MFN120/ TMN120P	MFN120A	
Mercedes Benz	0 510 coach		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Mercedes Benz	Tourino / Turismo bus / coach	1995-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Mercedes Benz	1418/1918/1924/2224/2620/2624	earlymodels			DIN100-EFB		61044				
Mercedes Benz	1830LL (Econic)	current	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Mercedes Benz	1833 BlueTec EEV		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Mercedes Benz	Actros Series MP1/MP2 / MP3 - all models	1996-2013	4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	Actros 1836 / 1841 / 1844 / 1848 MP2 -MP4	2002-on	4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	Actros 2641 / 2643 / 2644 / 2646 / 2648 MP1 - MP3	1996-2013	4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	Actros 2643 / 2646 heavy-duty option (std = N150As)	2014-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Mercedes Benz	Actros 2636 / 2641 / 2644 / 2648 MP4 series	2014-on	4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	Actros 2650 / 2651 / 2653 / 2660 MP2 - MP3	2002-2013	4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	Actros 2651 / 2655 / 2660 standard fitment	2014-on								MFN180A	

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MAKE	MODEL	YEAR	Club Assist	Penske	R&J/Predator	ACDelco	DELKOR	Exide	Supercharge	Hardcore	Validation Comments
<b>Mercedes Benz</b>											
Mercedes Benz	Actros 2651 / 2655 / 2660 heavy-duty option	2014-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Mercedes Benz	Actros 2653 / 2658 / 2663 BlueTec 6	2016-on								MFN180A	
Mercedes Benz	Actros 2653 / 2658 / 2663 BlueTec 6 h-duty option	2016-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Mercedes Benz	Actros 3240 / 3244	2000-on	4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	Actros 3341 / 3344 / 3348 series MP4	2014-on	4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	Actros 4141 / 4144 / 4148 series MP4	2014-on	4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	Actros 4141 / 4144 / 4148 heavy duty option	2014-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Mercedes Benz	Atego heavy duty option		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Mercedes Benz	Atego 1224 / 1229		4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	Atego 1623 / 1624 / 1626 / 1628 / 1629		4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	Atego 2324 / 2328 / 2329		4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	Axor 1833 / 2533 / 2629 / 2633 standard fitment	2001-2016	4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	Axor EEV BlueTec heavy duty option	2011-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Mercedes Benz	Econic standard fitment									MFN180A	
Mercedes Benz	Econic heavy duty option (battery width 273mm)		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Mercedes Benz	Sprinter Diesel - if fitted with non-AGM battery	1998-2014	3884	RDP3884	MF88H	S60038	60038	XDIN88HMF	MF88H		
Mercedes Benz	Sprinter Diesel - if fitted with AGM / VRLA battery	2007-2017	3888	3888ATM		59590AGM	LN5AGM	SSAGM88EU	MF88HSS		
Mercedes Benz	SK 1728 / 1729 / 1735 / 1748	1989-1999	4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	SK 1831 / 1834 / 1844 / 1853	1989-1999	4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	SK 1922 / 1929	1989-1999	4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	Unimog most models		4952	RDPN150				4D	MFN150	MFN150A	
Mercedes Benz	Zetros	2009-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	

<b>Mitsubishi (Fuso)</b>											
Fuso	Bus - mid-size		4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Fuso	Bus - MP city bus		4952	RDPN150	MF150	SN150x2	N150x2	4D	MFN150	HCC150	

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MAKE	MODEL	YEAR	Club Assist	Penske	R&J/Predator	ACDelco	DELKOR	Exide	Supercharge	Hardcore	Validation Comments
Mitsubishi (Fuso)											
Fuso	Bus - MP school bus		4922	4922ATM	MF120	SN120	N120x2	N120MF	MFN120/ TMN120P	HCC120	
Fuso	Bus - Rosa bus		4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Fuso	Canter FE / FG models	1983-2010	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Fuso	Canter 4D55 / 4D56 engine 2.3 / 2.5ltr	1986-1988				SN100	N100R				
Fuso	Canter FE83 (12 volt parallel)	to2011	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Fuso	Canter FE83 (12 volt parallel - H/Duty option)	to2011				SN100	N100R				
Fuso	Canter FE84 / FE85 (12 volt parallel)	to2011				SN100	N100R				
Fuso	Canter FE112 / FE122 (24 volt)	to2011	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Fuso	Canter FE126 / FE155 (24 volt)	to2011	4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Fuso	Canter FE130 (12 volt)	to2011				SN100	N100R				
Fuso	Canter Eco-Hybrid	2012-on	4704	4704ATM	MF7OZZL	S95D31L	27HR-750	LMN7OZZL/ EN7OZZLMF	SMFN7OZZLX	HCC27LSC	
Fuso	Canter 413 (FEA21) (12 volt)	2011-on	4704	4704ATM	MF7OZZL	S95D31L	27HR-750	LMN7OZZL/ EN7OZZLMF	SMFN7OZZLX	HCC27LSC	
Fuso	Canter 515 (FEA21 / FEB21 / FEA55) (12 volt)	2011-on	4704	4704ATM	MF7OZZL	S95D31L	27HR-750	LMN7OZZL/ EN7OZZLMF	SMFN7OZZLX	HCC27LSC	
Fuso	Canter 615/ 715/ 815 (Check Polarity)		4704	4704ATM	MF7OZZL	S95D31L	27HR-750	LMN7OZZL/ EN7OZZLMF	SMFN7OZZLX	HCC27LSC	
Fuso	Canter 716 (Check Polarity)		2543	2543ATM	MF55D23R	S70D23R	55D23R	EN55D23RMF/ 55D23D	MF75D23R		
Fuso	Canter 918		4704	4704ATM	MF7OZZL	S95D31L	27HR-750	LMN7OZZL/ EN7OZZLMF	SMFN7OZZLX	HCC27LSC	
Fuso	FK Series	1984-2007	2543	2543ATM	MF55D23R	S70D23R	55D23R	EN55D23RMF/ 55D23D	MF75D23R		
Fuso	Fighter FK1024 / 1224 / 1227		2543	2543ATM	MF5OZZ	S70D23R	55D23R	EN55D23RMF/ 55D23D	MF75D23R		
Fuso	Fighter FK1424 / 1427		2543	2543ATM	MF5OZZ	S70D23R	55D23R	EN55D23RMF/ 55D23D	MF75D23R		
Fuso	Fighter FM1627		4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Fuso	Fighter FN2427		4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	
Fuso	Hybrid (check polarity)		4703	RDPN7OZZ	MF7OZZ	S95D31RHD	27H-750	LMN7OZZ/ EN7OZZMF	SMFN7OZZX	HCC27SC	
Fuso	Hybrid	2016-on			LithiumBatteries						

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MAKE	MODEL	YEAR	Club Assist	Penske	R&J/Predator	ACDelco	DELKOR	Exide	Supercharge	Hardcore	Validation Comments
<b>Mitsubishi (Fuso)</b>											
Fuso	FP / FS / FV Series		4952	RDPN150	MF150	SN150x2	N150	4D	MFN150	HCC150	
Fuso	City Bus		4952	RDPN150	MF150	SN150x2	N150	4D	MFN150	HCC150	
Mitsubishi	Rosa Bus (can use 2 x 55D23R)		4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N5OZZMF/ LMN5OZZ	MF80D26R/ SMFNS70X	HCC24SC	

<b>Peterbilt</b>											
Peterbilt	Most models (check for stud terminals)		4862	RDPMF31931	MF31-900	531-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
Peterbilt	Models fitted with threaded stud terminals		4861	RDPMF31930	OPTD31A		31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	

<b>Renault</b>											
Renault	180dci		4952	RDPN150	MF94	SN150L	N150RHD	4D	MFN150	MFN150A	
Renault	Midlum		4952	RDPN150	MF94	SN150L	N150RHD	4D	MFN150	MFN150A	

<b>Scania</b>											
											NOTE: Older models may have been modified due to non-availability of OEM-type batteries
Scania	A30 bus	2011-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Scania	K series bus / coach		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Scania	Bus / coach - Most models		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Scania	Bus L94UB (can fit RHPos)		4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	2-Series 82M / 92M / 112M	1980-1989	4922	4922ATM	MF120	SN120x2	N120	N120MF	MFN120/ TMN120P	HCC120	
Scania	2-Series 112H / 142H	1980-1989	4922	4922ATM	MF120	SN120x2	N120	N120MF	MFN120/ TMN120P	HCC120	
Scania	3-Series 113M / 143M (check for alterations)	1987-1997	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	4-Series	1995-2004	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	124L / 144L / 164L	1995-2005	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	94D	1995-2005	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	94G / 114G / 124G / 144G / 164G	1995-2006	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	G-Series	2007-on	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	G440 / G480	2007-on	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	G490 Euro VI	2015-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	N200A	

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MAKE	MODEL	YEAR	Club Assist	Penske	R&J/Predator	ACDelco	DELKOR	Exide	Supercharge	Hardcore	Validation Comments
<b>Scania</b>											
NOTE: Older models may have been modified due to non-availability of OEM-type batteries											
Scania	L-Series (3-Series)	1987-1995	4922	4922ATM	MF120	SN120x2	N120	N120MF	MFN120/ TMN120P	HCC120	
Scania	P93 / P113 (3-Series) (check for alterations)	1987-1996	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	P94 / P124	1995-2004	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	P-Series (4-Series)	2004-on	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	P250 / P260 / P310	2004-2007	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	P280 / P320 / P380 / P420 / P440	2007-on	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	P450 (batteries at rear of chassis)	2014-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	N200A	
Scania	R113 / R143 (old model - check for alterations)	1987-1997	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	R94 / R114 / R124 / R144 / R164	1995-2005	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	R420 / R480	2005-2014	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	R490 Euro VI	2015-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	N200A	
Scania	R500 / R560 / R580	2008-2014	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	R500 / R580 / R620 (check battery width 276mm)	2015-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	N200A	
Scania	R580 Euro VI	2015-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	N200A	
Scania	R620 (Australian assembly)	2010	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150MF	
Scania	R620	2013-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	N200A	
Scania	R730 (check battery width 276mm)	2011-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	N200A	
Scania	T143 (check for alterations)	1987-1997	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Scania	T-Series T124 / T144 / T164	1996-2006	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
<b>Sterling Trucks (1997 - 2009)</b>											
Sterling	HN80	1998-on	4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
Sterling	HX7500 / HX9500	1998-on	4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
Sterling	L7500 / L7501	1998-on	4703	RDPN70ZZ	MF7OZZ	S95D31RHD	27H-750	LMN70ZZ/ EN70ZZMF	SMFN70ZZX	HCC27SC	
Sterling	LA9513	1998-on	4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
Sterling	LT4500 / LT4599A	1999-2009	4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	
Sterling	LT7500 / LT7599A	1999-2009	4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	

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MAKE	MODEL	YEAR	Club Assist	Penske	R&J/Predator	ACDelco	DELKOR	Exide	Supercharge	Hardcore	Validation Comments
<b>Sterling Trucks (1997 - 2009)</b>											
Sterling	AT9500 / LT9500 / LT9599 / LT9700	1999-2009	4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	HCC31SC	

<b>Toyota (see also Toyota Material Handling)</b>											
Toyota	Coaster bus		4503	4503ATM	MF5OZZ	S80D26R	NX110-5MF	N50ZZMF/ LMN50ZZ	MF80D26R/ SMFNS70X	HCC24SC	
Toyota	Dyna Diesel - most models (can use 31-900)		4901	4901ATM		SN100L	N100L	N100CMF	MFN100	HCC100L-XHD	

<b>U.D. (Nissan)</b>											
U.D.	CK17-380		4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
U.D.	CM88 / CMF88		4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
U.D.	CW26-380		4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
U.D.	CWA310		4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
U.D.	CW385 / CW445		4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
U.D.	GK17-420		4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
U.D.	GW 26-420 / GW26-470		4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
U.D.	MK11-250 / MK11-280		4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
U.D.	MK185 / MK210 / MK240 / MK265		4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
U.D.	PD24-280		4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
U.D.	PK16-250 / PK16-280		4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
U.D.	PK17-280		4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	
U.D.	PK220 / PK250 / PK265		4922	4922ATM	MF120	SN120	N120	N120MF	MFN120/ TMN120P	HCC120	

<b>Volvo Trucks</b>											
<b>Note: Most Australian-assembled Volvo trucks to 2013 = 2 x N150 behind cabin. Most European-built trucks to 2013 = 2 x MFN150A Euro-spec. (DIN spec.)</b>											
Volvo	Bus B7R / B7RLA		4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Volvo	Bus B9R		4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Volvo	Bus B10B / B10BLE / B10M (can fit RHPoS)		4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Volvo	Bus B12BLE		4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Volvo	Coach B11R									MFN180A	
Volvo	Coach B12R		4951	RDPN150L	MFN150A			N150MFE		MFN180A	

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MAKE	MODEL	YEAR	Club Assist	Penske	R&J/Predator	ACDelco	DELKOR	Exide	Supercharge	Hardcore	Validation Comments
Volvo Trucks											
Note: Most Australian-assembled Volvo trucks to 2013 = 2 x N150 behind cabin. Most European-built trucks to 2013 = 2 x MFN150A Euro-spec. (DIN spec.)											
Volvo	Coach Marco Polo		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Volvo	Coach Most Models		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Volvo	A35E / A35F articulated hauler		4952	RDPN150				4D	MFN150	MFN150A	
Volvo	A40E / A40F articulated hauler		4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Volvo	F10 / F12 (if fitted with 4 batteries)	1978-1987	2501/ 2541	2501ATM/2541ATM	MF50P	22FR520SMF	22FR-520	LM51D/ 52D	MF50/ SMF57		
Volvo	F10 / F12 (if fitted with 2 batteries)	1983-1996	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	F16 (for fully imported models use MFN150A x 2)	1988-2000	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	FE 280 / FE 300 / FE 320 / FE 340 (Euro-built)	2006-2013	4952	RDPN150	MFN150A			4D	MFN150	MFN150A	
Volvo	FE Series II Euro VI spec	2014-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	N200A	
Volvo	FH12-380 / FH12-420 / FH12-460 / FH12-500	1993-2013	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	FH13-480 / FH13-500 / FH13-520 / FH13-540	2004-2014	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	FH15 Cummins engine - all models	1998-2006	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	FH16-470 / FH16-520 / 540 / 580 (Australian)	1993-2013	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	FH16-600 / FH16-610 / FH16-660 / FH16-700	1998-2013	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	FH16-600 / FH16-700 Euro VI spec	2014-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	N200A	
Volvo	FH Series - for Fully-imported models	1998-2013	4952	RDPN150				4D	MFN150	MFN150A	
Volvo	FH 360 / FH 400 / FH 440 / FH 480 (Australian)	2005-2013	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	FH 420 / FH 460 / FH 500 / FH 540 / FH 600 / FH 660	2005-2013	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	FH Series - all models	2014-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	N200A	
Volvo	FL6	1988-2002	4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	86BHD	
Volvo	FL7 / FL7 FD	1986-2000	4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	86BHD	
Volvo	FL10 (if fitted with 4 batteries)	1988-2000	2501/ 2541	2501ATM/2541ATM	MF50P	22FR520SMF	22FR-520	LM51D/ 52D	MF50/ SMF57		
Volvo	FL10 (if fitted with 2 batteries)	1988-2000	4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	86BHD	
Volvo	FL12 (original fitment may be MFN150A x 2)	1990-2000	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	

Please note cross referenced part numbers with (\*) has different post assembly.

# Battery fitment & cross reference guide

July 2023

MAKE	MODEL	YEAR	Club Assist	Penske	R&J/Predator	ACDelco	DELKOR	Exide	Supercharge	Hardcore	Validation Comments
<b>Volvo Trucks</b>											
Note: Most Australian-assembled Volvo trucks to 2013 = 2 x N150 behind cabin. Most European-built trucks to 2013 = 2 x MFN150A Euro-spec. (DIN spec.)											
Volvo	FM12-420 / FM12-460	1998-2006	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	FM13-460 / FM13-480 / FM13-500	2006-2013	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	FM 410 / 450 (Aust-assembled)	1998-2013	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	FM 410 / FM 540	2014-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	N200A	
Volvo	FM7 (original fitment MFN150A x 2)	1998-2002	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	FM9 (original fitment MFN150A x 2)	2002-on	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	FM10	1998-2002	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	FM12-340 / FM12-380 / FM12-420 rigid		4952	RDPN150				4D	MFN150	MFN150A	
Volvo	FM 350 rigid / FM 370 / FM 400 rigid (imported)	2006-2013	4951	RDPN150L	MFN150A			N150MFE		MFN180A	
Volvo	FM 450 / FM 500	2006-2013	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	FMX 11 / FMX 13	2010-on	4998	RDPN200	N200A			8DMF/ N200	MFN200/ TMN200P	MFN200A	
Volvo	G88 / G89 (check battery length 500mm)	1972-1979	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	N10 / N12 (check battery length 335mm)	1984-1998	4862	RDPMF31931	MF31-900	S31-901MF	31-900	31-1100MF	MF31-931	86BHD	
Volvo	N10 / N12 heavy-duty option (check length 500mm)	1984-1998	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	NH12 Series (original fitment may be MFN150A x 2)	1990-2000	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	
Volvo	NL 10 / NL12 Series (original may be MFN150A x 2)	1990-2000	4952	RDPN150	MF150	SN150	N150	4D	MFN150	HCC150	

<b>Western Star</b>											
Note: Most Western Stars use threaded stud terminals											
Western Star	Most prime movers	1999-on	4861	RDPMF31930			31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	
Western Star	4764 / 4784		4861	RDPMF31930			31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	
Western Star	4800FS / 4800FS2		4861	RDPMF31930			31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	
Western Star	4800FS Constellation DD13 engine		4861	RDPMF31930			31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	
Western Star	4800FS Constellation DD15 engine (AGM batteries)		5561	RDP5561	HC110						
Western Star	4800FXB / 4800FXC (AGM batteries in cabin)		5561	RDP5561	HC110						
Western Star	4864FX	1987-2011	4861	RDPMF31930			31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	

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# Battery fitment & cross reference guide

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MAKE	MODEL	YEAR	Club Assist	Penske	R&J/Predator	ACDelco	DELKOR	Exide	Supercharge	Hardcore	Validation Comments
<b>Western Star</b>											
<b>Note: Most Western Stars use threaded stud terminals</b>											
Western Star	4864FXB (use only AGM batteries if in cabin)		4861	RDPMF31930	HC110		31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	
Western Star	4900FXC / 4900FXT (AGM batteries in cabin)		5561	RDP5561	HC110						
Western Star	4900FXC / 4900FXT (batteries on chassis)		4861	RDPMF31930			31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	
Western Star	4964FX		4861	RDPMF31930			31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	
Western Star	5800SS (some models take 3 x batteries)		4861	RDPMF31930			31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	
Western Star	5964		4861	RDPMF31930			31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	
Western Star	6900FXC		4861	RDPMF31930			31-900T	31-1100CMF/ 31-950C	MF31-930	HCC31TSC	
<b>Yutong Bus</b>											
Yutong	27 seat Mid-size		4922	4922ATM				N120MF	MFN120/ TMN120P	MFN120A	
Yutong	39 seat Mid-Large size		4952	RDPN150				4D	MFN150	MFN150A	
Yutong	ZK6131HG1 Full-size		4998	RDPN200				8DMF/ N200	MFN200/ TMN200P	MFN200A	

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