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CATERPILLAR

Engine	Chassis	Years	PennTex Charging System Part #	Notes
3126 (C-7)	Freightliner FB-65 / FS-65	2001 and up	PX-627SF or PX-627Q (12V-275A)	Large J180 Mount Style or Quad Pad Mount. Replaces L/N 270 amp.
C12 / C13	Transit Bus and Motor Coach	2006 and up	PX-833 (24V-330A) (**** see notes below)	Upgrade air-cooled replacement for the belt-driven oil-cooled 50-DN.
**** PX-833 Series is a 24-volt, 330-amp upgrade air-cooled replacement for the oil-cooled 50-DN. Contact our PennTex Certified Distributors (CRD) for information.				

CHEVROLET / GMC

Engine	Chassis	Years	PennTex 12V Charging System Part #	Notes
5.3L V-8 Gas	Cadillac Escalade Limo	2002 and up	PX-422V-10 (220-amp) (# see notes)	Drop-in fit for OEM alternator location. #Use PX-4298 Kit for 2-wire connection.
5700 Vortec V-8 Gas	G-Van Shuttle Bus	Some 1996, all 1997-1998	PX-421V (superseded by PX-422V-10)	Harness modification necessary. Early 1996 models may require a 96-inch belt.
5.7L V-8 Gas	Express & Savana Vans	1999-2002	PX-420G-5 (200-amp)	Uses PX-1128 K6 pulley.
6.0L V-8 Gas	Cadillac Escalade Limo	2003 and up	PX-422V-10 (220-amp) (# see notes)	Drop-in fit for OEM alternator location. #Use PX-4298 Kit for 2-wire connection.
6.0L V-8 Gas	H-2 Humvee Limo	2003 and up	PX-422V-10 (220-amp) (# see notes)	Drop-in fit for OEM alternator location. #Use PX-4298 Kit for 2-wire connection.
6.0L V-8 Gas	Suburban Limo	2003 and up	PX-422V-10 (220-amp) (# see notes)	Drop-in fit for OEM alternator location. #Use PX-4298 Kit for 2-wire connection.
6.0L V-8 Gas (C3500&C4500)	Express & Savana Vans	2003 and up	PX-422V-10*, PX-422V-2 or PX-422V-4**	Drop-in fit in the OEM alternator location. (*, ** See footnotes below)
6.0L V-8 Gas	Tahoe and Yukon	2003 and up	PX-422V-10 (220-amp) (# see notes)	Drop-in fit for OEM alternator location. #Use PX-4298 Kit for 2-wire connection.
6.5L Turbo Diesel	G-Van & Express / Savana	Some 1996, all 1997-2002	PX-420G-5 (200-amp)	Equipped with PX-1128 K6 pulley, May require a 102.62-inch belt on G-vans.
6.6L Diesel (C3500&C4500)	Express & Savana Vans	2006 and up	PX-422V-10 (220-amp) (* see footnote)	Drop-in fit to OEM location. Alternator Kits for dual systems are available for
6.6L Diesel (C3500&C4500)	GMT-610 Shuttle Bus	2006 and up	PX-422V-10 (220-amp) (* see footnote)	Drop-in fit in the OEM alternator location. gas & diesel applications.
6.6L Diesel (C4500 Chassis)	GMT-540 Big Shuttle Bus	2006-2011	PX-422V-10 (220-amp) (* see footnote)	Drop-in fit in the OEM alternator location. Contact PennTex Sales at Phone:
6.6L Diesel (C5500 Chassis)	GMT-560 Big Shuttle Bus	2006-2011	PX-422V-10 (220-amp) (* see footnote)	Drop-in fit in 2 OEM alternator locations. 877-590-7366, Fax: 817-590-0505
Special Note - Earlier C4500 & C5500 Big Bus chassis prior to 2006 with 6.6L diesel engine may require harness connection modification.				or e-mail sales@penttexusa.com
7400 Vortec V-8 Gas	G-Van, Express & Savana	Some '96, all '97, to 04/99	PX-421V (210-amp) (** see footnote)	Equipped with PA-4001 K6 pulley. Older models may require a 100.62-inch belt.
7400 Vortec V-8 Gas	Express & Savana Vans	05/1999 to 2000	PX-420G-5 (200-amp) (** see footnote)	Uses PX-1128 K6 pulley.
8.1L V-8 Gas (C4500&C5500)	GMT-540 / 560 Shuttle Bus	2005-2011	PX-422V-10 (220-amp)	Drop-in fit for OEM alt. location. Earlier years may require harness modification.
8.1L V-8 Gas	Suburban Limo	2003 and up	PX-422V-10 (220-amp) (# see notes)	Drop-in fit for OEM alternator location. #Use PX-4298 Kit for 2-wire connection.
* PX-422V-10 is the standard OEM 10:00 output post position. #Some late model applications may have a two-wire plug connection and require the use of a PX-4298 2-wire connection kit.				
** PX-422V-2 or PX-422V-4 (12V-220A) are used when a special output post clocking is needed to allow for special clearance when the alternator is relocated to a secondary A/C compressor bracket.				
*** PX-421V will need a PX-4516MC Pigtail Harness assembly added. Both the PX-421V Series and PX-420G Series can be replaced by the PX-422V-10 with minor harness modifications.				

CUMMINS

Engine	Chassis	Years	PennTex Charging System Part #	Notes
6BT 5.9 Diesel	Misc. Shuttle & School Bus	1995 and up	PX-320S (12V-200A), PX-325S (12V-250A) or PX-328S (12-Volt,285-amp)	Fits standard Large J180 Mount. Use PX-1355 K8 pulley on PX-328S.
Special note - several engine manufacturers have upgrade alternator mounting brackets to replace the factory equipped Delco 21si and 22si alternators with the higher output PX-3 series.				
ISB / ISC	Freightliner FB-65	2002 and up	PX-627SF (12-Volt, 275-amp)	Must have standard Large Frame J180 Mount bracket. Replaces L/N 270-amp.
ISB / ISC	Thomas / Bluebird / Pierce	Most model years	PX-627S (12V-275A) & PX-627Q (12V-275A)	Fits standard Large J180 Mount & Quad Pad Mount. Replaces L/N 270-amp.
ISC / ISL / ISM	Transit Bus and Motor Coach	1998 and up	PX-833 (24V-330A) (**** see notes below)	Upgrade air-cooled replacement for the belt-driven oil-cooled 50-DN.
**** PX-833 Series is a 24-volt, 330-amp upgrade air-cooled replacement for the oil-cooled 50-DN. PX-8 BCK Kits are available to convert 50 DN oil-cooled alternators to air-cooled.				

DETROIT/ DETROIT DIESEL

Engine	Chassis	Years	PennTex Charging System Part #	Notes
Series 40 / 50 / 60	Thomas / Bluebird	Most model years	PX-627S (12V-275A) or PX-635S (12V-350A)	Fits standard Large J180 Mount. Replaces L/N 270 or 320 amp.
Series 50 / 60	Transit Bus and Motor Coach	Most model years	PX-833 (24V-330A) (**** see notes below)	Upgrade air-cooled replacement for the belt-driven oil-cooled 50-DN.
**** PX-833 Series is a 24-volt, 330-amp upgrade air-cooled replacement for the oil-cooled 50-DN. PX-8 BCK Kits are available to convert 50DN belt-driven oil-cooled alternators to air-cooled.				



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DODGE RAM/ CHRYSLER

Engine	Chassis	Years	PennTex 12V Charging System Part #	Notes
360 Gas	Ram Van	1995-2003	PX220P2D-5 (200-amp, "D" for Dodge)	Equipped with PX-1155 K7 pulley. Bracket kit PX-3600 required.
5.9L Diesel	Ram Pickup Truck	Discontinued	PX-421-SMD (200-amp, "D" for Dodge)	Equipped with PX-1155 K7 pulley. Must use PX-1199 Field Wire Resistor Kit.

FORD

Engine	Chassis	Years	PennTex 12V Charging System Part #	Notes
4.6L V-8 Gas	Ford Police/ Lincoln Limo	1996-2002	PX-220RL-5T (200-amp, 8mm mount bolt holes)	Equipped with PX-1353 K6 pulley and PX-1335 rear support bracket.
4.6L V-8 Gas	E-250 Series	Late 2001-2008	PX-220R-5T (200-amp, 8mm mount bolt holes)	For single OEM A/C compressor and a tied-in rear evaporator. (Tie-in System)
4.6L V-8 Gas	E-250 Series	Late 2009 and up	PX-220RC-T (200-amp, 8mm mount bolt holes)	For single OEM A/C compressor and a tied-in rear evaporator. (Tie-in System)
5.4L V-8 Gas	E-350/ E-450 Series	1997-Late 2001	PX-220R-5 or PX-220R-5T (200-amp, 8mm)	Equipped with PX-1130 K8 pulley and PX-1258T rear support bracket.
5.4L V-8 Gas	E-350/ E-450 Series	Late 2001-2008	PX-220R-5A (200-amp, 7/16" mount bolt holes)	With dual A/C compressors & mount bracket (Max-A/C System) - K6 Pulley.
5.4L V-8 Gas	E-350/ E-450 Series	Late 2001-2008	PX-220R-5T (200-amp, 8mm mount bolt holes)	With single OEM A/C Comp. (Tie-In) - K6 pulley & PX-1258T rear brace.
5.4L V-8 Gas	E-350/ E-450 Series	2009-2016	PX-220RC-A (200-amp, 7/16" mount bolt holes)	Used with Dual A/C compressors. (Check with Bracket Mfg. for PennTex App.)
5.4L V-8 Gas	E-350/ E-450 Series	2009-2016	PX-220RC-T (200-amp, 8mm mount bolt holes)	With single OEM A/C Comp. (Tie-In) - K6 pulley & PX-1258T rear brace.
5.4L V-8 Gas	F-350/ F-450 Series	1998-2006	PX-220R-5T (200-amp, 8mm mount bolt holes)	1998 to 2001 uses PX-1130 K8 pulley. 2002 to 2006 uses PX-1129 K6 pulley.
5.4L V-8 Gas	F-350/ F-450 Series	2007-2010	PX-220RM-5T (200-amp, 8mm mount bolt holes)	Works with PCM monitored system. Uses a PX-1129 K6 pulley.
6.0L Diesel	E-350/ E-450 Series	2004-2008 with BSI A1-0052*	PX-520TD6 (230-amp) or PX-525TD6 (250-amp)	Must use with BSI alt. support brkt. & belt kit # A1-0052 for Max-A/C System.
6.0L Diesel	E-350/ E-450 Series	2009-2010 with BSI A1-0052*	PX-520TDM6(230-amp) or PX-525TDM6(250-amp)	Must use with BSI alt. support brkt. & belt kit # A1-0052 for Max-A/C System.
6.0L Diesel	E-350/ E-450 Series	2004-2008 w/Carrier PX-5806*	PX-520TD6C(230-amp) or PX-525TD6C(250-amp)	Must use with Carrier bracket & belt kit # PX-5806 for Max-A/C System.
6.0L Diesel	E-350/ E-450 Series	2009-2010 w/Carrier PX-5806*	PX-520TDM6C(230-amp) or PX-525TDM6C(250-amp)	Must use with Carrier bracket & belt kit # PX-5806 for Max-A/C System.
6.0L Diesel	E-350/ E-450 Series	2004-2008 with Kit 72-62035-2*	PX-520TD12(230-amp) or PX-525TD12(250-amp)	Must use with Carrier bracket & belt kit # 72-62035-02 for Max-A/C System.
6.0L Diesel	E-350/ E-450 Series	2009-2010 with Kit 72-62035-2*	PX-520TDM12(230-amp) or PX-525TDM12(250-amp)	Must use with Carrier bracket & belt kit # 72-62035-02 for Max-A/C System.
6.0L Diesel	F-250/ F-550 Series	2004-2008 *	PX-220TF-6.0L (200-amp)	For F- Series Ford Diesel truck chassis only.
6.0L Diesel	F-250/ F-550 Series	2009-2010 *	PX-220TFM-6.0L (200-amp)	For F- Series Ford Diesel truck chassis only.

* Application note: 2009-2010 6.0L diesel applications require a PCM monitored-style charging system. Contact the PennTex Sales Dept. for any additional application assistance.

In 2010-back Ford 6.0L Diesel applications with dual OEM alternators, PennTex systems can be used as the Primary charging system only.

6.8L V-10 Gas	E-350/ E-450 Series	1997-2001	PX-520RD (230-amp) or PX-525RD (250-amp) (7/16")	PX-1130 K8 pulley. Special mounting brackets required. (See footnotes **, ***)
6.8L V-10 Gas	E-350/ E-450 Series	2002-2008	PX-520RD (230-amp) or PX-525RD (250-amp)(7/16")	PX-1129 K6 pulley. Special mounting brackets required. (See footnotes **, ***)
6.8L V-10 Gas	E-350/ E-450 Series	2009 to Mid-2010	PX-520RDC(230-amp) or PX-525RDC(250-amp)(7/16")	PX-1129 K6 pulley. Special mounting brackets required. (See footnotes **, ***)
6.8L V-10 Gas	E-350/ E-450 Series	2010-2016	PX-723RDC(230-amp) or PX-725RDC(250-amp)(7/16")	PX-1129 K6 pulley. Special mounting brackets required. (See footnotes **, ***)

** For Max-A/C system chassis (two A/C compressors), the PX-5RD and PX-7RD Series alternators are mounted on the secondary A/C compressor bracket.

*** For single A/C compressor chassis, use the following bracket kits: 1997 to 2001 use PX-2517-3. 2002 to 2007 use PX-2517-4. 2008 uses PX-2517-08. 2009 to 2010 use PX-2517-09.

6.8L V-10 Gas	E-350/ E-450 Series	2002-2008	PX-220R-5 or PX-220R-5T (200-amp, 8mm)	Only used when support bracketry for PX-5RD Series is not available.
6.8L V-10 Gas	E-350/ E-450 Series	2009-2016	PX-220RC-T (200-amp, 8mm mount bolt holes)	Only used when support bracketry for PX-5RD/ PX-7RD Series is not available.
6.8L V-10 Gas	F-250/ E-450 Series	1998-2006	PX-220R-5 or PX-220R-5T (200-amp, 8mm)	PULLEYS: 1998-2001 uses PX-1130 K8, 2002-2006 uses PX-1129 K6.
6.8L V-10 Gas	F-250/ E-450 Series	2007-2008	PX-220RM-5 or PX-220RM-5T (200-amp, 8mm)	For PCM Monitored system. Some mounting modifications may be necessary.
6.8L V-10 Gas	F-250/ E-450 Series	2009-2010	PX-220RC or PX-220RC-5T (200-amp, 8mm)	For PCM Monitored system. Some mounting modifications may be necessary.
6.8L V-10 Gas	F-450/ E-550 Series Only	2010-2016	PX-220RC or PX-220RC-5T (200-amp, 8mm)	Medium Duty Truck chassis w/ single alternator, non-Shuttle Bus chassis.
6.8L V-10 Gas	F-550 Series (Shuttle Bus)	2011-2016	Contact PennTex Sales for application info	For Shuttle Bus chassis with dual alternators and 2 or 3 A/C compressors.

Ford 7.3 Diesel & 7.5L V-8 460 Gas Engine Applications are listed on the next page.

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FORD (continued)

Engine	Chassis	Years	PennTex 12V Charging System Part #	Notes
7.3 Diesel	E-350 Series	1988 to 02/1992	PX-220P-5 (200-amp)	Uses special OEM double groove pulley: 3-5/16" OD with 1/2" x 3/8" grooves.
7.3 Diesel	E-350 Series	03/1992 to 1994	PX-220T-5 (200-amp)	1992 uses PX-1129 K6 or PX-1155 K7 pulley. 1993-1994 uses PX-1130 K8.
7.3 Diesel	E-350/ E-450 Series	1995-2003	PX-520TD (230-amp), PX-525TD (250-amp), PX-627T (275-amp) or PX-635T (350-amp)	Some mounting modifications may be necessary for larger PX-6 Series.
7.3 Diesel	F-250/ F-450 Series	1995-2003	PX-220TF (200-amp), PX-520TFD (230-amp) or PX-525TFD (250-amp)	Some mounting modifications may be necessary for larger PX-5 Series.
7.5L 460 V-8 Gas	E-350 Series	1988-1996	PX-220P-5 (200-amp)	May require modifications to OEM bracket. Uses PX-1129 K6 pulley.
7.5L 460 V-8 Gas	E-350 Series	1994-1996	PX-520PD (230-amp) or PX-525PD (250-amp)	May require modifications to OEM bracket. Uses PX-1129 K6 pulley.

FREIGHTLINER

Engine	Chassis	Years	PennTex 12V Charging System Part #	Notes
Caterpillar 3126 (C7)	FB-65, MB-45, MB-55	2001 and up	PX-627SF (275-amp) or PX-627Q (275-amp)	SF: Large J180 Mount, or Q: Large Quad Pad Mount. Replaces L/N 270-amp.
Cummins ISB/ ISC	FB-65, MB-45, MB-55	2001 and up	PX-627Q (275-amp) or PX-635Q (350-amp)	Large Quad Pad Mount Style for Cummins. Replaces L/N 270 or 320 amp.
Mercedes 6.4L	FB-65, MB-45, MB-55	2001 and up	PX-627SF (275-amp) or PX-627Q (275-amp)	Large J180 Mount Style. Replaces L/N 270-amp.

INTERNATIONAL/ NAVISTAR

Engine	Chassis	Years	PennTex 12V Charging System Part #	Notes
T444E	3400, 3000RE, 3800	1994-2002	PX-320S (200-amp), PX-325S (250-amp) or PX-328S (285-amp)	Fits standard Large J180 Mount. Use PX-1355 K8 pulley.
T444E	3400, 3800	1995-2002	PX-627S (275-amp) or PX-635S (350-amp)	Fits standard Large J180 Mount. Replaces L/N 270 or 320 amp.
DT466	International/ Bluebird	Most model years	PX-627S (275-amp) or PX-635S (350-amp)	Fits standard Large J180 Mount. Replaces L/N 270 or 320 amp.
7.6L MaxxForce D7	IC School Bus- RE300	2008 and up	PX-627Q (275-amp) or PX-635Q (350-amp)	Fits standard Large Quad Pad Mount. Replaces L/N 270 or 320 amp.
T444E, DT-466, VT-365	3200, 3400, 3800 chassis	2003 and up	PX-627S (275-amp) or PX-635S (350-amp)	Fits standard Large J180 Mount. Replaces L/N 270 or 320 amp.
Misc. Engines w/ Delco 21/ 22si	Miscellaneous Chassis	Most model years	PX-421JM (210-amp)*	Delco 21si and 22si replacement. Use PX-1131 K8 pulley on Cummins engine.
Misc. Engines w/ Delco Pad Mnt.	Miscellaneous Chassis	2003 and up	PX-421PM (210-amp)*	Delco Pad Mount replacement. Use PA-4020 K8 pulley. (See footnote*)

* Special Note: several engine manufacturers have upgrade alternator mounting brackets to replace the factory-equipped Delco 21si and 22si alternators with the higher output PX-3 Series.

ISUZU

Engine	Chassis	Years	PennTex 12V Charging System Part #	Notes
6.0L Gas (GM)	NPR HD Series	2008 and up	PX-422V-10 (220-amp)	Drop in fit in the OEM alternator location for GM alternator applications.

WORKHORSE CHASSIS

Engine	Chassis	Years	PennTex 12V Charging System Part #	Notes
6.5L Diesel	Workhorse Work Truck	2002-2004	PX-422V-10 (220-amp)	Harness plug modification may be necessary on some older models.
6.6L Diesel	Workhorse Work Truck	2005 and up	PX-422V-10 (220-amp)	Drop in fit in the OEM alternator primary location.
For 6.6L vehicles with KD9 Dual alternator systems, Use PX-422V-10/13.5 Kit in factory 2nd location. If 2nd alt. is in a non-factory location, a different PX-422V Kit using the PX-6000/13.5 Regulator may be required.				
8.1L Gas	Workhorse Work Truck	2002-2004	PX-422V-10 (220-amp)	Harness plug modification may be necessary on some older models.
8.1L Gas	Workhorse Work Truck	2005 and up	PX-422V-10 (220-amp)	Fits in OEM location with plug-in harness.
Cummins ISB/ ISC	Workhorse Bus Chassis w/Large Frame Quad Pad Mount Alternator	2002 and up	PX-627Q (275-amp) or PX-635Q (350-amp)	Fits standard Large Frame Quad Pad Mount. Replaces L/N 270 or 320 amp.

Note: For Batteryless 24-volt applications in a 12-volt vehicle secondary location, the PX-614SH (24-volts, 140-amps) Large Frame J180 Mount Style is available.
 For normal 24-volt applications, the PX-616 Series (160-amps) is available as a PX-616Q (Large Frame Quad Pad Mount), PX-616S (Large J180), or PX-616T (Large Frame Tangent Mount). The PX-619 Series (190-amps) is available as the PX-619Q (Large Frame Quad Pad Mount) and the PX-619S (Large Frame J180 Mount).