

AVI160 SERIES

DUAL INTERNAL FAN ALTERNATORS

- T-MOUNT
230 Amp
- J180 MOUNT
210/240 Amp
- PAD MOUNT
210/240 Amp

125°C
High Temperature Rated

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(Pulleys are for illustrative purposes only, and are not included.)

Prestolite

Leece-Neville

THE AVI160 EDGE

T-Mount

230 Amps



J180 Mount

210 and 240 Amps



Pad Mount

210 and 240 Amps



AVI160 FEATURES AND BENEFITS

DUAL INTERNAL FAN

Dual Internal Fan alternators are compact in size and provide exceptional air flow and cooling.

12/14 VOLT

Our AVI160 Series are 12/14 Volt self-excite unit with an internal regulator.

210, 230 AND 240 AMP

The T-Mount alternator has a rated load current of 230 amps.
The J180 and Pad Mount units are available in 210 and 240 amps.

125°C* (257°F) TEMPERATURE RATED

125°C High Temperature Rated.

AVI160 DESIGN

Bi-directional rotation system, with welded diode/lead frame connections.

BUILT TO LAST

Heavy Duty Bearings
Vibration Resistant
Corrosion Resistant

160MM FRAME

160mm frame size to fit more applications.

DIESEL AND GASOLINE ENGINES

Regulator and maximum RPM suitable for gas engine applications.*

* Gas engine applications on T-Mount only.

MOUNTING CONFIGURATIONS

T-MOUNT

230 AMP

125°C HIGH TEMPERATURE RATED

**Ford "E" & "F" Series
CityStar and Ford LCF Vehicles**



Prestolite / Leece-Neville is proud to announce the release of our T-Mount AVi160 in a pancake type design. This compact, yet powerful, unit is a drop in replacement for such applications as the Ford E and F chassis engines, LCF and International CityStar.

Our 12/14 Volt unit packs 230 Amps of reliable power and is temperature rated at 125 °C (257 °F) to keep your engines performing when you need it most.

Our T-Mount AVi160 is a self-excite unit with an internal regulator. The initial units are released in 2 versions, and include mounting kits with hardware:

- 1) I-Line voltage regulator for Navistar LCF, Ford 3G, 4G, 6G (Pre-2008 E and F Series)
- 2) PCM type regulator for Ford 6G (2008 F Series and newer, except vehicles with 6.0L diesel engines), from 2010 on - 6.2L Ford gas engines.



PAD AND J-MOUNT

210 AND 240 AMP

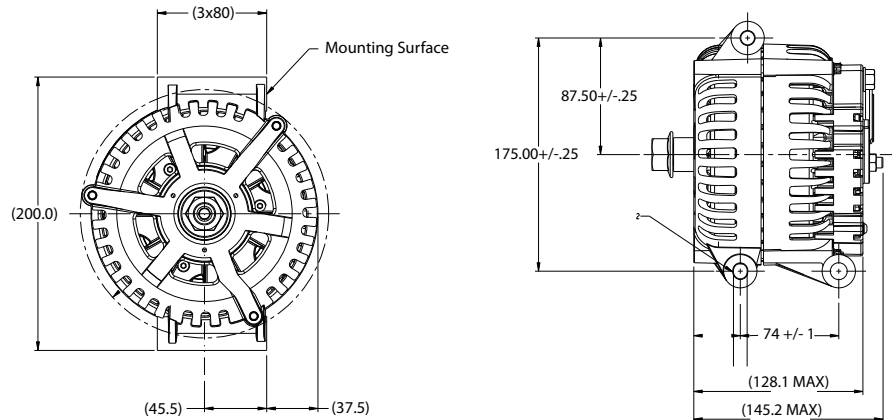
Prestolite / Leece-Neville has also released our J180 and Pad Mount AVi160. Our 12/14 Volt units pack 210 and 240 Amps of reliable power and are also temperature rated at 125 °C (257 °F).

Units are remote sense compatible, with heavy duty housing design and e-coated housing and rectifier. They come with 12 diodes, state of the art rotor design and provide outstanding output at idle.

TECHNICAL GUIDELINES

T-MOUNT

Our T-Mount AVi160 is a pancake type design and a reliable replacement for applications requiring a T-Mount Dual Internal Fan alternator. This compact, yet powerful, unit is a drop in replacement for the Ford E and F chassis, LCF and International CityStar applications.



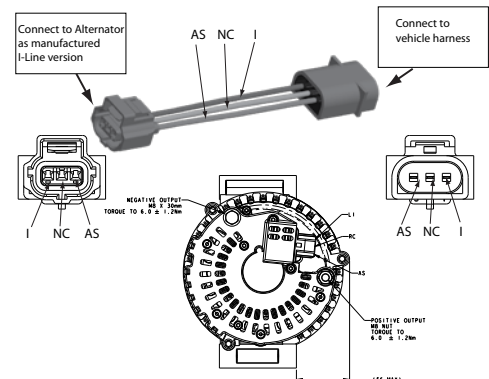
The AVi160 T-Mount Alternator with its original release is available in two variants. One part is equipped with an I-Line voltage regulator and the second is equipped with a PCM type regulator. The majority of all 2004 and older F series and all E series applications are equipped with the I-Line type voltage regulator and the vehicle harness will either plug/connect directly to the I-Line alternator or can be connected with the supplied pigtail/harness. All 2008 F Series and newer applications (except vehicles equipped with 6.0L diesel engines) are equipped with PCM type voltage regulators and as built will plug and play (no adapter harness required in any application).

AVi160T2001-1 (A160201-1): PCM Regulator

AVi160 I-Line connection and adaptor harness

- Ford 6G (2008 F Series and newer, except vehicles with 6.0L diesel engines).
From 2010 on - 6.2L Ford gas engines.

Extended mounting bolts **included** with all AVi160T2001-1.



AVi160T2002-2 (A160202-2): I-Line Regulator

AVi160T2002-3 (A160202-3): I-Line Regulator

- Ford 3G, 4G, 6G (Pre-2008) and all 6.2L Ford Diesel engines.

- International CityStar or Ford LCF

Wiring harness and bolts **included** with all AVi160T2002-2 (AVi160T2002 - alternator only)



Extended mounting bolts, spacer, washer **included** with all AVi160T2002-3



See TSB-1142 for installation procedure.

1 2 VOLT CROSS REFERENCE

The new AVi160 T-Mount Dual Internal Fan alternators are designed to cross reference the following competitor models:

AVi160T - Ford Diesel Application Reference

For the **AVi160T2002** and **AVi160T2002-2** Alternator

	Diesel	Vehicle	Year Models	O.E Alternator #	Type	Motorcraft Alternator #	Lester #
AVi160T2002 and AVi160T2002-2	6.0L	E-Series	2004-2006	5C2T-10300-CA 5C2Z-10346-CA	6G	GL649	8445
	6.0L	F-250 & F350	2003-2007	6C3Z-10346-BA	6G	GL643 GL647	8478
	6.0L	E-350	2004-2005	6C3Z-10346-BA	6G	GL643	8478
	6.0L	F-250 & F350	2005-2007	6C3Z-10346-DA	6G	GL644	8479
	6.0L	Excursion	2005	6C3Z-10346-DA	6G	GL644	8479
	6.0L	E-350	2005-2007	6C2Z-10346-CA	6G	GL630	
	6.0L	E-350	2004-2007	6C2Z-10346-EA	6G	GL635	8477
	6.0L	F 250 & F350	2003-2006	6C2Z-10346-EA	6G	GL635	8477
	6.0L	F-250 & 350	2006	5C3Z-10346-DA	6G	GL648	8476
	6.0L	F-250	2005	4C3T-10300-AA	6G	GL569 GL557	8306
	6.0L	Ford Excursion	2003-2004	3C3T-10300-AA 3C3T-10300-AC 3C3Z-10346-AA	6G	GL551	8306
	6.0L	F Super Duty	2003-2004	3C3T-10300-AA 3C3Z-10346-AA	6G	GL551	8306
	6.0L	F Super Duty	2004-2005	3C3T-10300-AC	6G	GL551	8306
	6.0L	E-Series	2003-2004	3C3T-10300-AA 3C3Z-10346-AA	6G	GL551	8306
	6.0L	E-Series	2004-2005	3C3T-10300-AC	6G	GL551	8306
	7.3L	F-250 & 350 And Excursion	2002 & 2003	2C3Z-10346-BB	6G	GL530 GL625	8316
	7.3L	F-250 & 350 And Excursion	2002 & 2003	2C3Z-10346-CB	6G	GL531 GL626	8317
	7.3L	E-350	1998-2003	F81U-10300-CC F81U-10300-DB	6G	GL410 GL411	7798 7797
	7.3L	F-Series	1993-1994	F3UM-10300-AF	3G		
	7.3L	E-Series	1993-1994	F3UU-10300-AF	3G		
	7.3L	F-Series	1995	F5UU-10300-BA F5UU-10300-CA	3G Melco		
	7.3L	E-Series	1995	F5UU-10300-BA F5UU-10300-CA	3G Melco		
	7.3L	F-Series	1996-1998	F5UU-10300-EA F5UU-10300-CA	3G Melco		
	7.3L	E-Series	1996-1998	F5UU-10300-EA F5UU-10300-CA	3G Melco		
	7.3L	E and F ambulance	1995-1998	F5UU-10300-CA	Melco		
	7.3L	F-Series ambulance	1998 - 2000	F81U-10300-EB F81U-10300-GA	6G		
	7.3L	E-Series ambulance	1998.5 - 2000	F81U-10300-DC F81U-10300-CC	6G		
	7.3L	F-Series ambulance	2001	F81U-10300-ED F81U-10300-GC	6G		
	7.3L	E-Series ambulance	2001-2003	F81U-10300-DE F81U-10300-CE	6G		
	7.3L	F-Series ambulance	2002	23CU-10300-BB 23CU-10300-CB	6G		
	6.0L	F-Series ambulance	2003	3C3T-10300-BB	6G		
	6.0L	F-Series ambulance	2004	4C3T-10300-BA	6G		
	6.0L	E-Series ambulance	2004	4C3T-10300-BA	6G		

The above part numbers are verified O.E numbers released by Ford on vehicles. These part numbers were not released as a part only for aftermarket. This list has been compiled to support T-Mount Diesel applications for the AVi-160 amp development program. All information has been verified. If a cell is open this information has not been confirmed. If any bench marking is completed these variants MUST be utilized - deviation from this would risk fitment issues and aftermarket sales.

12 VOLT CROSS REFERENCE

AVi160T - Ford Diesel Application Reference For the **AVi160T2002 and AVi160T2002-2**

Alternator

	Diesel	Vehicle	Year Models	O.E Alternator #	Type	Motorcraft Alternator #	Lester #
AVi160T2002 and AVi160T2002-2	6.0L	F-Series ambulance	2005	5C3T-10300-BB	6G		
	6.0L	E-Series ambulance	2005	4C3T-10300-BB	6G		
	6.0L	F-Series ambulance	2006	6C3T-10300-BA	6G		
	6.0L	E-Series ambulance	2006-2007	6C2T-10300-DA	6G		
	6.0L	F-Series ambulance	2007	7C3T-10300-BB	6G		
	6.4L	F-Series Super Duty base model	2008		Denso SC1		
	6.4L	F-Series Super Duty upgrade	2008		Denso SC5		
	6.4L	F-Series Super Duty dual alt	2008		Denso SC5		
	7.3L	E-Series	1995-2003	F5UU-10300-BA F6UU-10300-EA F6UU-10300-EB	3G	GL504RM	7768
	7.3L	F Series	1995-1997	F5UU-10300-BA F6UU-10300-EA F6UU-10300-EB	3G	GL504RM GL381 GL504RM	7768
	7.3L	E-Ambulance Package	1999-2003	F81U-10300-DB F81U-10300-DC F81U-10300-DD F81U-10300-DE F81Z-10346-DA	6G	GL411	7797
	7.3L	E-Ambulance Package	1999-2003	F81U-10300-CC F81U-10300-CD F81U-10300-CE F81Z-10346-CA	6G	GL410	7798
	7.3L	E- Emergency	1995-1998	F5UU-10300-CA F5UZ-10346-CA	Mitsu	GL360	12075
	7.3L	Ford Excursion	2000-2003			GL551	8306

AVi160T Ford Gas Application Reference For the **AVi160T2002 and AVi160T2002-2**

Alternator

	Engine	Vehicle	Year Models	O.E Alternator #	Mount	TYPE	Single/Dual
AVi160T2002 and AVi160T2002-2	2.3L Gas (All)	Ranger	1992-1997	F6PZ-10346-LA	T	3G	Single
	2.5L Gas (All)	Ranger	1991-2001		T	3G	Single
	3.0L Gas (All)	Ranger	1998-2004		T	3G	Single
	3.0L Gas (U)	Ranger	1992-1997		T	3G	Single
	4.0L Gas	Ranger	1990-2000		T	3G	Single
	5.0L Gas (N)	F-Series	1996-1993		T	3G	Single
	4.2L Gas (All)	F-Series	2002-2004		T	3G	Single
	4.2L Gas (OPT)	F-Series	1997-2001		T	3G	Single
	4.0L Gas	Explorer	1991-2004		T	3G	Single
	4.0L Gas	Sport Trac	2000-Current		T	3G	Single
	5.0L Gas (All)	Explorer	1996-2001		T	3G	Single
	5.8L Gas	E-Series	1993-1996		T	3G	Single
	5.0L Gas	E-Series	1993-1996		T	3G	Single
	4.2L Gas	E-Series	1997-2003		T	3G	Single

AVi160T - Navistar Application Reference For the **AVi160T2002-3** Alternator

	Diesel	Vehicle	Year Models	O.E Alternator #	Type	Motorcraft Alternator #	Lester #
AVi160T2002-3	V-6	LCF - International Truck	2005-2011	LN-AVi160T2002-3			

NOTE: all vehicles using 6.0L Ford diesel engines use AVi160T2002-2.

From 2010 on 6.2L Ford gas engines use AVi160T2001-1.

AVi160J and Pad Mount Cross Reference

Part number	Delco	Bosch	International Truck
AVi160P2007 AVi160P2003	8600315	AL9962SB	3819198C91
	8600316	AL9961LH	W0010532
	8600314	0124625043	
	8600889	0124625046	
		0124625048	
AVi160J2004		0124625051	
	8600223	AL9960LH	
	8600307	AL9963SB	
	8600308	0124525085	
	8600310	0124625044	
	8600311		
	8600312		
AVi160J2008	8600313		
	8600307	AL9962SB	
	8600313*	AL9963SB*	

* J180 short hinge, most applications will work with J180 standard hinge.

STACKING UP TO PERFORMANCE

PAD AND J-MOUNT

- All AVi160's are bi-directional rotation, case ground, and feature welded diode/lead frame connections.
- AVi160 series alternators have a 160mm frame size to fit more applications and provide outstanding output at idle.
- These compact, yet powerful, units pack **210** and **240** Amps of reliable power in the J180 and Pad mounts and are temperature rated at **125°C** (257 °F) to keep your engines performing when you need it most.
- Corrosion resistant E-coated housing and rectifier, heavy front and rear bearings, and state of the art rotor design.
- J180 and Pad mounts are remote sense compatible.



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