

Source:

Prestolite Leece-Neville Heavy Duty Systems

Bulletin No:

TSB-1246

Date:

June 25, 2024

Models:

All AVI160 J-180 and Pad mount alternators

Subject:

R214106763S remote regulator change procedure



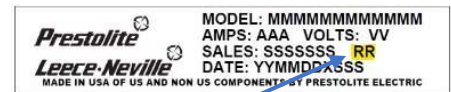
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R214106763S is not compatible with all alternator revision levels.

⚠

Product revision level will need to be verified. Fig 1

See chart below to determine if R214106763S is compatible.



Revision Level

Fig 1

Model	Sales	Revision Level	Model	Sales	Revision Level
AVI160J2004	A160204	Compatible models H or higher	AVI160P2003	A160203	Compatible models H or higher
AVI160J2008	A160208	Compatible models H or higher	AVI160P2007	A160207	Compatible models G or higher
AVI160J2011	A160211	Compatible models E or higher	AVI160P2010	A160210	Compatible models D or higher
AVI160J2014	AVI2800J	Compatible models E or higher	AVI160P2012	AVI2800P	Compatible models D or higher

Removal Instructions.

- 1) Remove rear cover mounting screws and terminal hardware.

Fig 2.

⚠ Keep items removed in this step.

These will be reused during assembly.

- 2) Remove regulator mounting screws and regulator assembly from alternator.

Fig 3, 3a.

⚠ Replacement mounting screws is supplied.

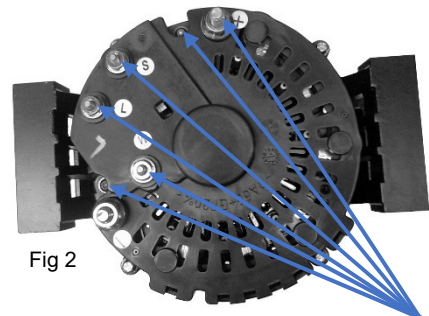


Fig 2

Remove terminal hardware, mounting screws and cover.

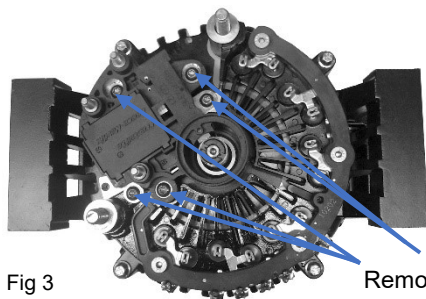


Fig 3

Remove screws.

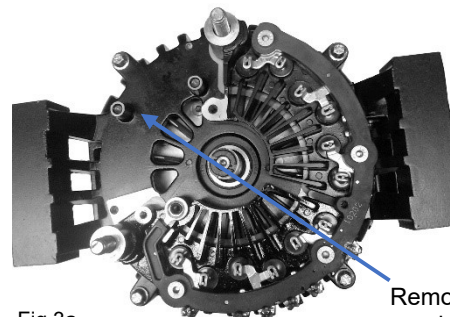


Fig 3a

Remove regulator

Important:

The information contained in this bulletin is intended for use by trained, professional technicians who have the proper tools, equipment, and training to perform the required maintenance described above. This information is NOT intended for 'do-it-yourselfers', and you should not assume that this information applies to your equipment. If you have any questions regarding this information please visit our website at www.prestolite.com, or contact our technical service department at:



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Installation Instructions.

- 1) Install regulator and 5 mounting screws.

Fig 1.

Torque screws: 2.25 +/- 0.3Nm.
20 +/- 2.7 in.- lbs.

- 2) Pull brush retaining pin and discard.

Fig 2.

- 3) Install rear cover. Fig 3.

Torque screws: 2.25 +/- 0.3Nm.
20 +/- 2.7 in.- lbs.

- 4) Install M5 and M8 terminal hardware. Fig 4.

M5 torque: 2.0 – 2.5 Nm.
17.7 – 22.1 in. – lbs.

M8 torque: 6.0 +/- 1.2 Nm.
53.1 +/- 10.6 in. – lbs.

- 5) Regulator change complete.

Additional supporting document: TWB-0069 wiring diagram.

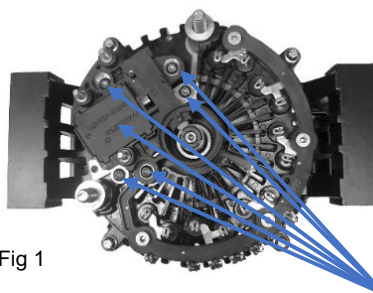


Fig 1

Install R214106763S
and 5 mounting screws

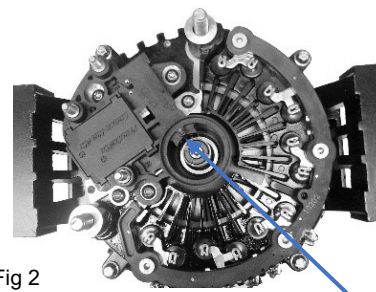


Fig 2

Pull brush
retaining pin

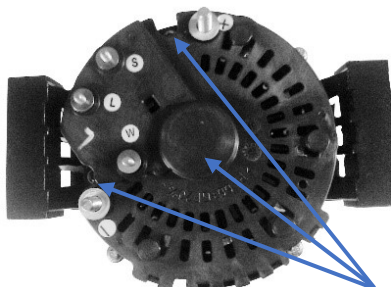


Fig 3

Install rear cover and
mounting screws

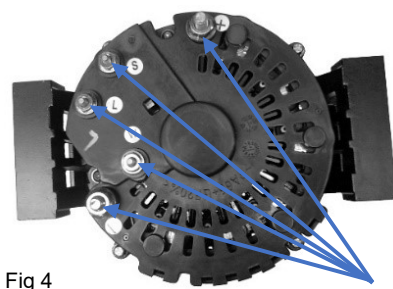


Fig 4

Install terminal
hardware

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