

Source: Leece-Neville Heavy Duty Systems Division - Arcade, NY USA
Date: July 7, 2017
Bulletin No: TSB-1112
Models: 8LHA, 8LHP, LBA, LBP, BLD and BLP
Subject: Converting to remote regulator

This procedure will explain how to convert an internal regulated alternator to use an external regulator.

Item needed: Qty. 1 (A038102788S)
Remote regulator cover.

Step 1: Remove hardware from alternators positive and negative posts.
(Fig. 2)

Step 2: Remove red and black regulator wires from alternator positive and negative posts. (Fig. 3)

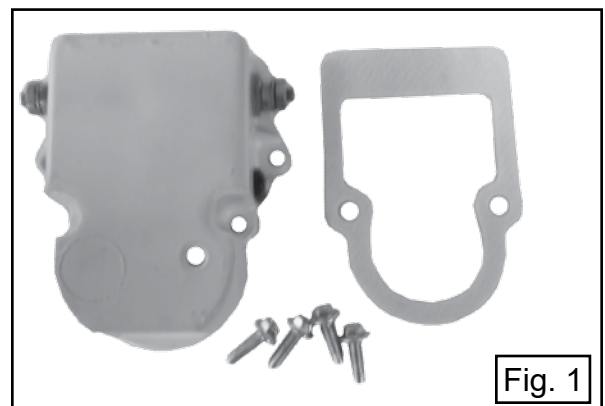


Fig. 1

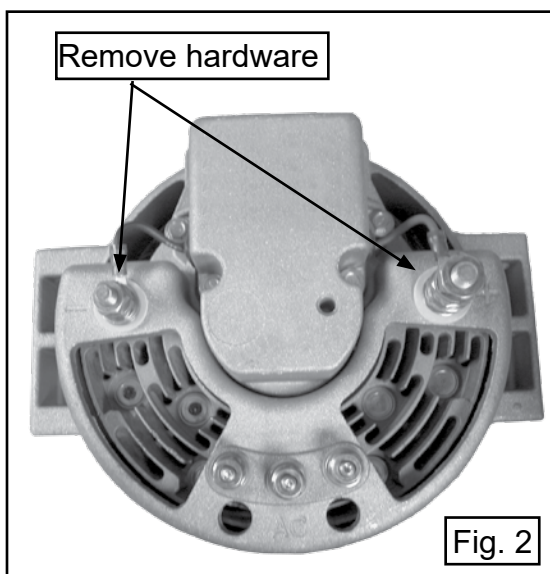


Fig. 2

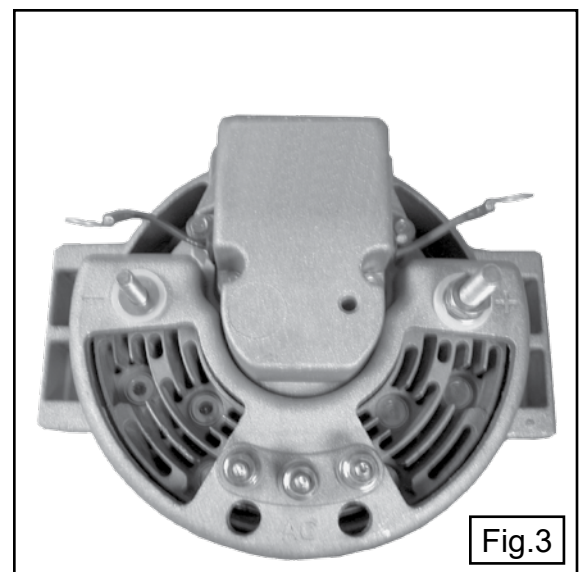


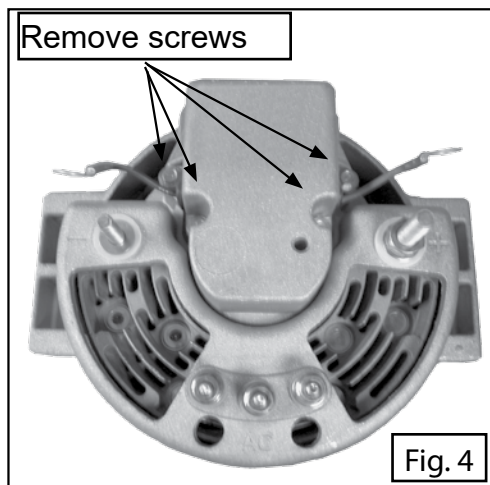
Fig. 3

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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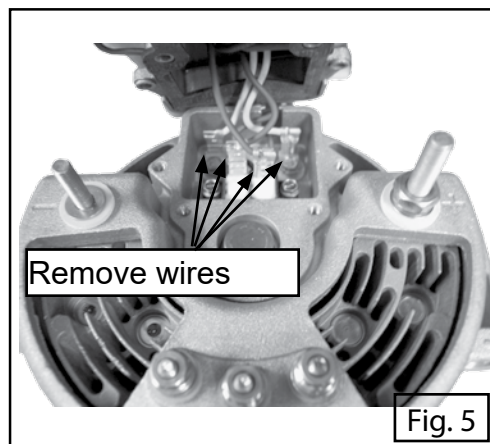
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Step 3: Remove four screws attaching regulator to alternator. (Fig. 4)

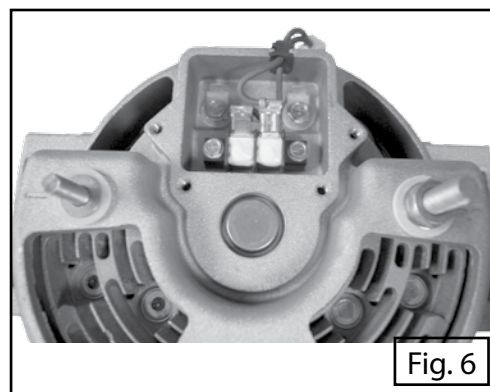


Step 4: Tilt regulator away from alternator and remove the two yellow and green regulator wires. (Fig. 5)

Regulator wires are attached to alternator with spade terminals. Use needle nose pliers to remove these wires.



Step 5: Remove regulator and gasket from alternator. (Fig. 6)



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Step 6: Place gasket furnished with kit onto alternator. (Fig.7)

Step 7: Place remote regulator cover on alternator and attach two green wires to alternator brushes or field terminal block.

Refer to either (Fig 8a or 8b) to determine your alternator for proper placement of green field wires.
(Fig 8a) 8LHA, 8LHP, LBA, LBP models
(Fig 8b) BLD and BLP models

Note: Polarity of green field wires is not critical. Connect wires where they will not be pinched during assembly.

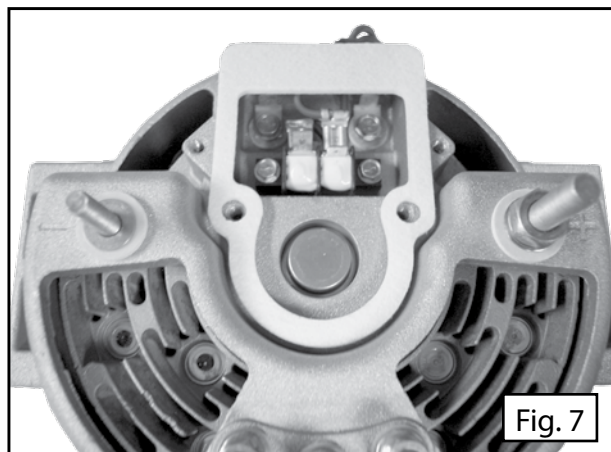


Fig. 7

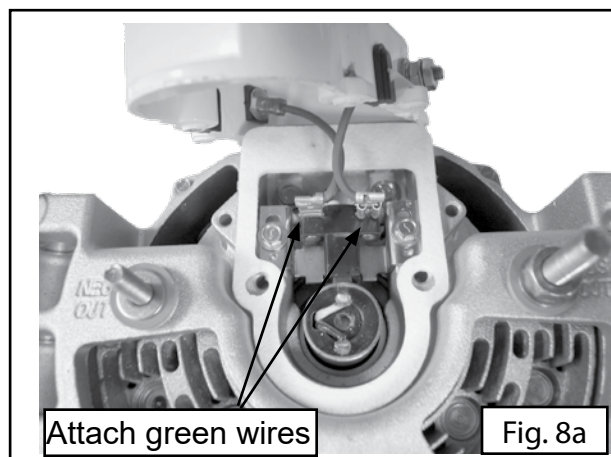


Fig. 8a

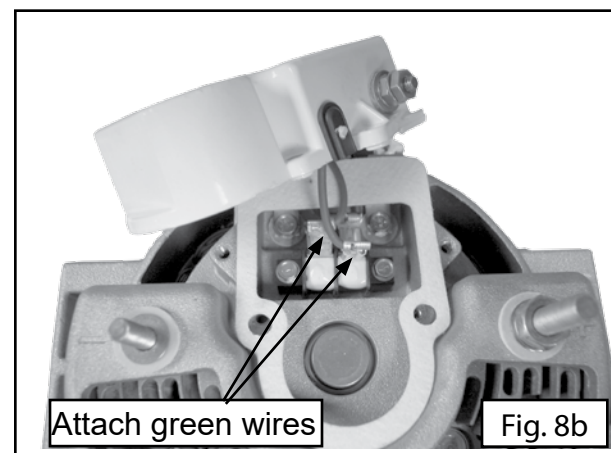


Fig. 8b

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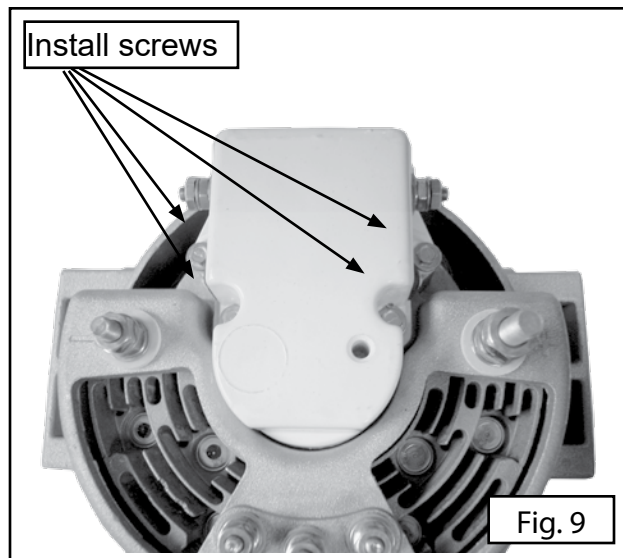
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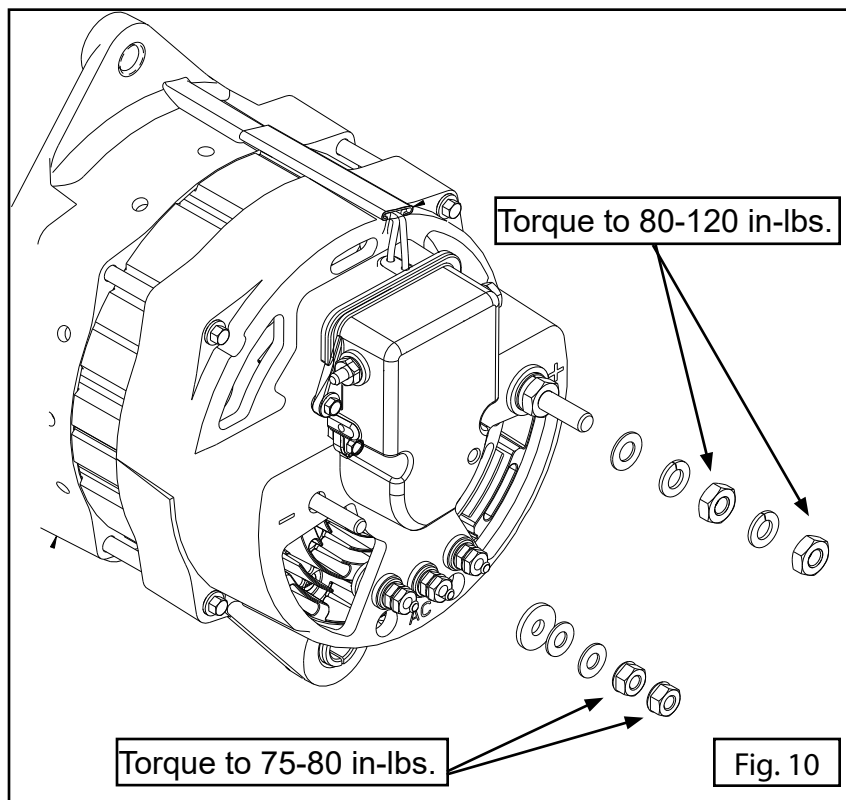
Step 8: Install four screws holding remote regulator cover to alternator.
(Fig.9) Torque screws to 44-50 in-lbs.

Step 9: Install positive and negative hardware onto the alternator output studs.
Torque negative nut to 75-80 in-lbs.
Torque positive nut to 80-120 in-lbs.

Refer to (Fig 10) for proper orientation of positive and negative hardware.



Step 10: Conversion complete.



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Alternator wiring

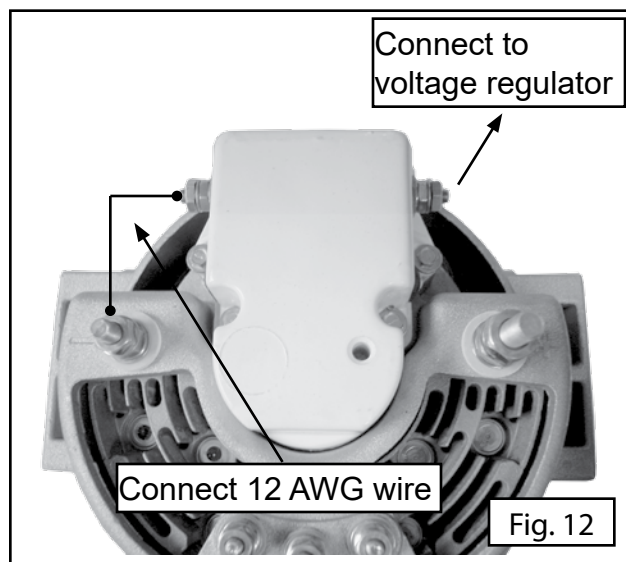
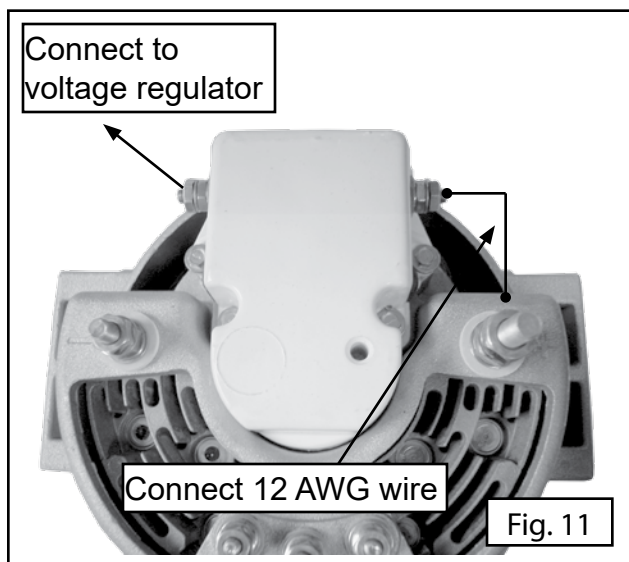
Please refer to the installation instructions that came with your voltage regulator.

You will either have an ("A" or "N") type or "B" or "P") type external voltage regulator. Please refer to (Fig 11 or 12) to correctly wire the alternator field to properly work with your regulator.

Use a 12 AWG wire in the figures below.

Fig 11: ("A" or "N") type regulators

Fig 12: ("B" or "P") type regulators



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