

# Technical Service Bulletin

Source: Leece-Neville Heavy Duty Systems Division -  
Arcade, NY USA  
Date: July 7, 2017  
Subject: Restoring Alternator Residual Magnetism  
Bulletin No: TSB-1034  
Models: A001 series, 8LHA type families, 5000 and 7000 Series

## Procedure for restoring alternator residual magnetism (Full Fielding).

Please determine which model is being used and follow the correct procedure.

### 2500, 2800, 4800, 4900, 8000, 9000 alternator family (Figure 1)

1. Make sure voltage is present at alternator output terminals
2. With the engine off, connect a short jumper to the alternator NEGATIVE output terminal and to a piece of stiff wire or 1/16" drill. Insert the drill in the "full field access hole" as far as it will go for 1-2 seconds. This will restore the residual magnetism in the rotor (Figure 1).
3. Remove stiff wire or 1/16 drill and jumper wire.

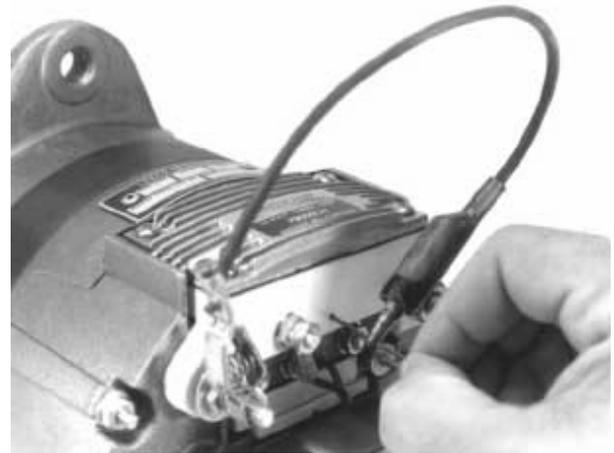
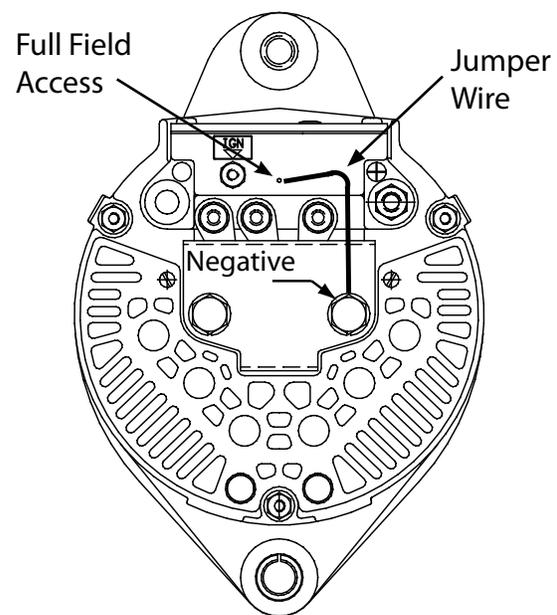
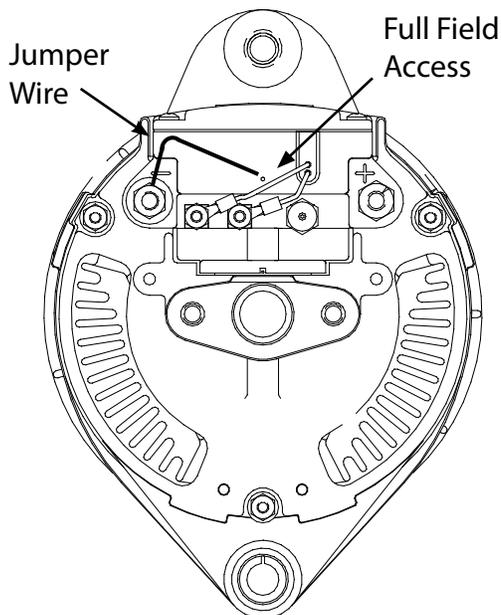


Figure 1

### 2500, 2800, 4800, 4900, 8000, 9000 Alternator families



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](http://www.prestolite.com), or contact our technical service department at:

## 5000, 7000 alternator family (Figure 2)

1. Make sure voltage is present at alternator output terminals.
2. With engine off, connect a short jumper to the alternator NEGATIVE output terminal and to a piece of stiff wire or 1/16" drill. Insert the drill in the "full field access hole" as far as it will go for 1-2 seconds. This will restore the residual magnetism in the rotor (Figure 2).
3. Remove stiff wire or 1/16" drill and jumper wire.

**NOTE: DO NOT!!! attempt to flash the alternator's field when the engine is running. Serious damage can be done to the vehicle's electrical system.**

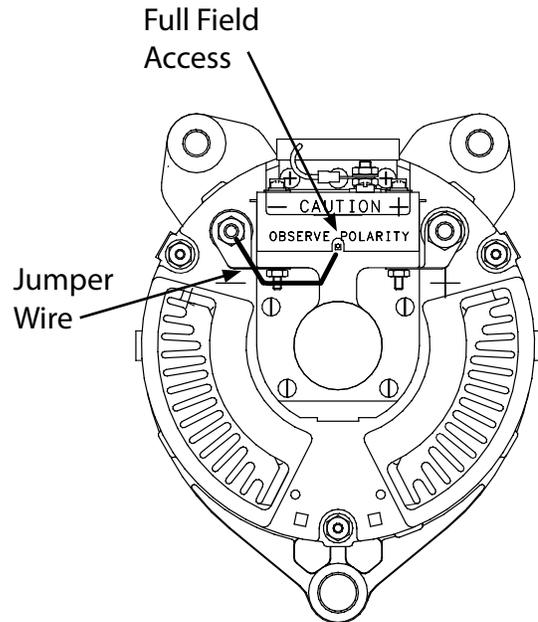


Figure 2

## 8LHA, 8LHP, LBA, LBP, BLD, BLP alternator family (Figure 3)

1. Make sure voltage is present at alternator output terminals.
2. With engine off, connect a short jumper to the alternator NEGATIVE output terminal and green diagnostic lead for 1-2 seconds. (Diagnostic lead located by positive output terminal.)
3. Remove jumper wire.

**Note: It may be necessary to attach A paper clip to the end of the jumper wire in order to make contact to the green diagnostic lead**

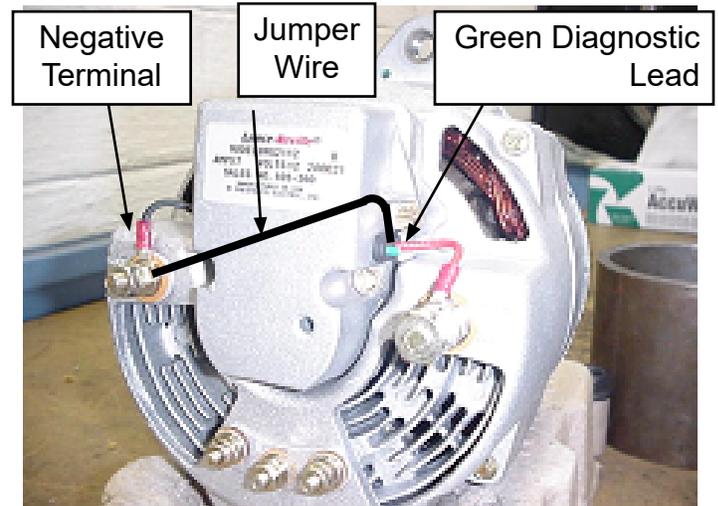


Figure 3

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