

Source: Leece-Neville Heavy Duty Systems Division - Arcade, NY USA
Date: July 7, 2017
Bulletin No: TSB-1158
Models: M105 and M110R Starters
Subject: Rotate flange and relay procedure.

This procedure will show you how to rotate the flange and the relay to avoid clearance issues on different vehicles.

Rotate Flange:

Step 1: Remove all screws attaching the flange to the starter and rubber sealing plugs. Fig 1

Step 2: With a soft face mallet, gently tap the flange rotating it into the desired position. Fig 1

Step 3: Apply 242 Loctite to screws removed in step 1. Install screws and torque to 12-14NM. Install rubber plugs into holes that are not used. Fig 1

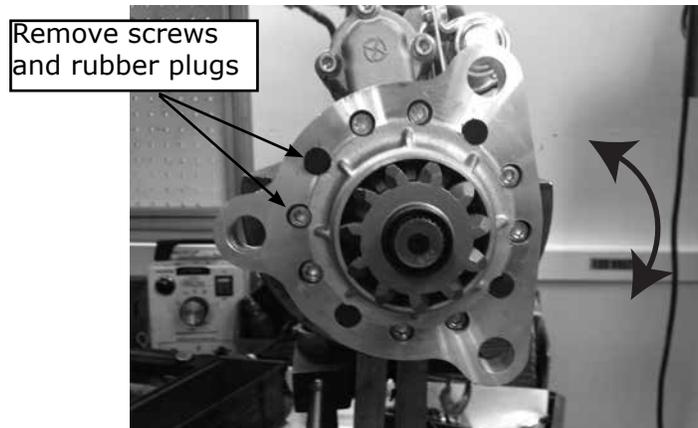


Fig 1

Rotate Relay:

Step 1: Remove solenoid mounting bolts. Fig 2

Step 2: Rotate relay to desired location. Fig 2

Note: Relay wires may have to be rerouted to avoid pinch or stretch points.

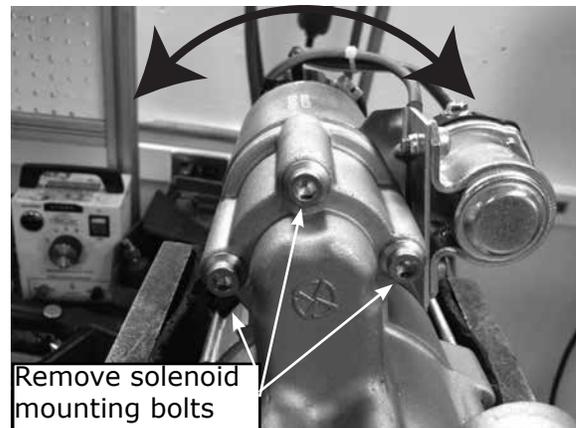


Fig 2

NOTE: For starter motor safety precautions please reference TSB-1166.

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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Step 3: Apply 242 Loctite to solenoid mounting bolts.

Step 4: Verify that relay bracket hole and solenoid gasket hole lines up to avoid damage to the solenoid gasket.
Fig 3

Step 5: Applying slight forward pressure on the solenoid start the three solenoid mounting bolts. Tighten and torque to 13-15 NM.

Conversion Complete.

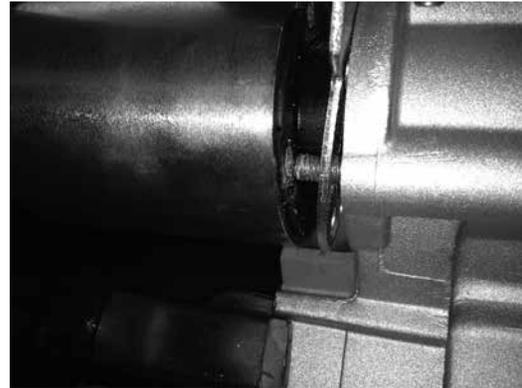
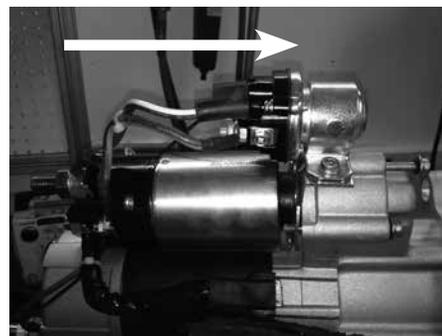


Fig 3



Warning:

Relay is part of the starter soft start feature. Neither the relay nor the wiring from relay to solenoid should be removed or modified. Malfunction or serious damage can result from wrong connection. Please consult Prestolite help-desk if you are in any doubt about starter connections.

Note:

To insure reliable long term operation it is critical that the vehicle ring gear be inspected for excessively worn or frayed edges of the ring gear teeth that may prevent engagement of the starter pinion. Replace ring gear if necessary.

Safety:

Before starting procedure be sure all electrical loads are off, transmission is in neutral or park and the parking brake is set. Always wear face and eye protection.

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