

Source: Leece-Neville Heavy Duty Systems Division -
Arcade, NY USA
Date: June 27, 2017
Subject: Thermo King Brush Change-Out
Bulletin No: TSB-1012
Models: 8MR Series

Technical Service Bulletin

The following procedure is to be used when changing the brushholder on Leece-Neville 8MR series product for Thermo King. The following models are included:

Leece-Neville Model	Thermo King Part Number
8MR2058PA	7318C39G01
8MR2130D	5D44463G01
8MR2140F	5D44464G01
8MR2150L	5D44465G02
8MR2151L	5D44465G02
8MR2170F	5D44466G01
8MR2180L	5D44467G01
8MR2195T	5D51051G02
8MR2195TA	55D51051G01
8MR2197T	5D46047G01

Procedure:

1. Remove terminal cap from the AC tap if it is on the unit (Fig.1). Remove nut from the regulator post. Remove nut from the Negative post.
2. Remove the red lead from the regulator post. Remove the black lead from the negative post (Fig.2).
3. Remove the 2 regulator screws and move the regulator back (Fig.3).
4. Remove the 2 green regulator connector leads (Fig.4). Remove regulator

Fig. 1

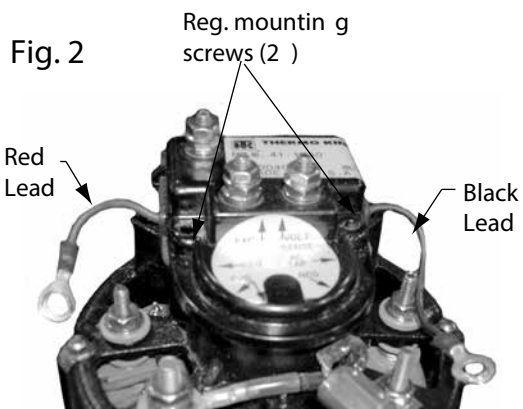
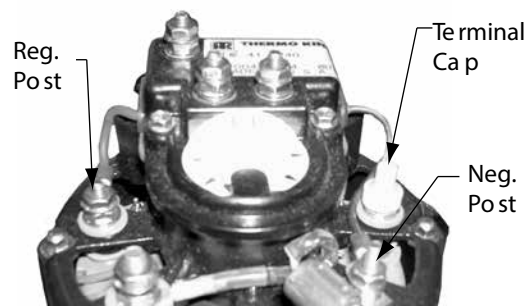


Fig. 3

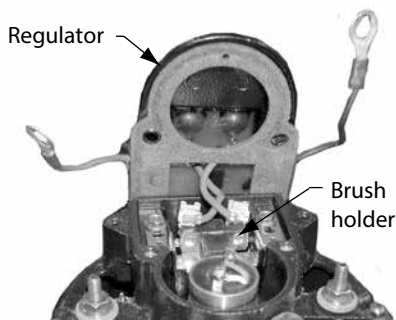


Fig. 4

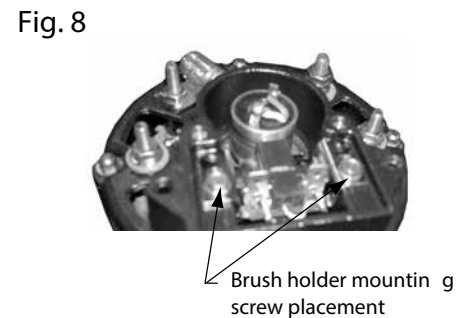
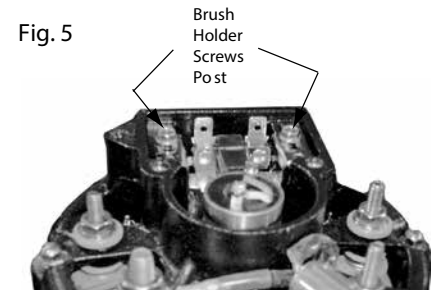
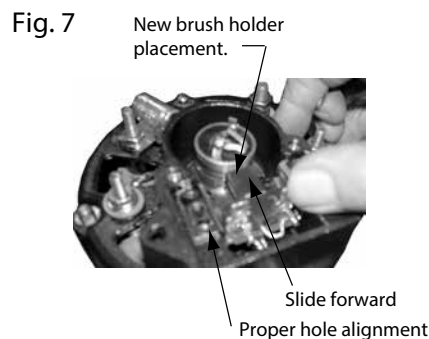
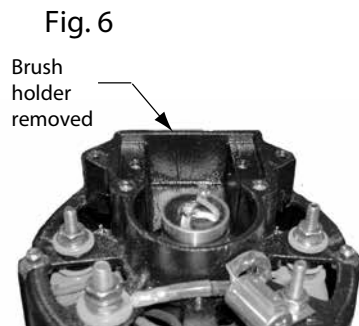


Important: The information contained in this bulletin is intended for use by trained, professional technicians who have the proper tools, equipment, and training to perform the required maintenance described above. This information is NOT intended for 'do-it-yourselfers', and you should not assume that 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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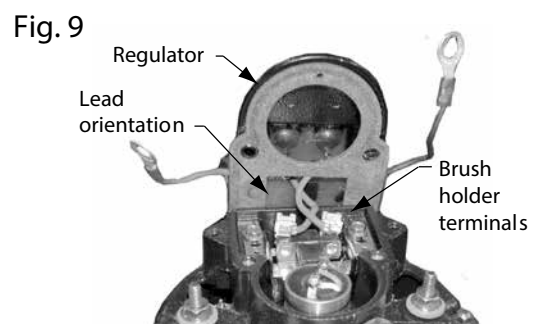
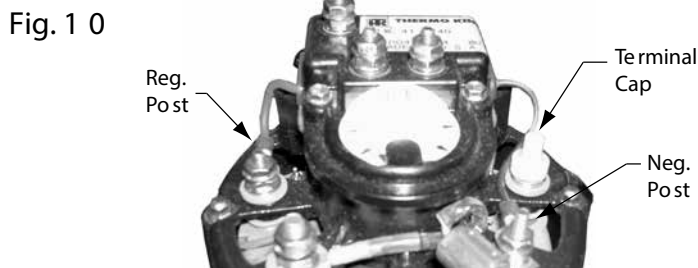
5. Remove brush holder screws (2) (Fig.5).
6. Remove brush holder (Fig.6). Blow out brush cavity to remove excessive brush dust.
7. Place new brush holder into opening and slide all the way forward, so brushes compress against the slip ring. Align the brush holder mounting holes over the housing mounting holes (Fig.7).
8. Reassemble the mounting screws into the last holes on the brush holder bracket. (Fig.8)



9. Reverse steps 4 through 1 to finish assembly. Reassemble the 2 green regulator leads to the brush holder terminals. Refer to Figure 9 to view the proper orientation of flag terminals to posts to avoid shorting. Seat the lead flag terminals down securely onto the brush holder terminals, tapping with handle of screwdriver or leather mallet. Move the regulator down onto the alternator, aligning the regulator mounting holes. Assemble the 2 screws and drive to secure. Reassemble the red lead to the regulator post. Reassemble the black lead to the negative post (Fig. 10).

NOTE: Proper lead to post assembly is very important. Be sure the red lead goes to the regulator terminal post, and the black lead goes on the negative terminal post. Check the regulator cover label to verify the proper posts.

10. Reassemble nut to the regulator post and to the negative post. Drive nuts to secure leads. Replace terminal cap if necessary.



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