

MOTOR TERMINAL REPAIRS TO CHHN COMPRESSORS

WARNING: BEFORE PROCEEDING WITH THE FOLLOWING STEPS, DISCONNECT ALL POWER.

NOTE: THE FOLLOWING ARE SOME BRIEF STEPS FOR REMOVING AND REINSTALLING ONLY THE INSULATORS AROUND THE MOTOR TERMINALS. REFER TO RTAA-IOM-4A FOR FURTHER DETAILS ON ELECTRICAL AND REFRIGERANT ISSUES.

1. With the power disconnected and all refrigerant removed from the compressor, loosen the nuts securing the insulators to the terminals.
2. Remove the 12 terminal plate mounting bolts.
3. Remove the nuts, washers and upper insulators from the motor terminal.
4. Carefully tip the terminal plate up so the motor temperature sensors can be disconnected.

NOTE: LABEL THE TERMINALS BEFORE REMOVING TO ENSURE THE TERMINALS ARE REINSTALLED IN THE PROPER HOLES ON THE TERMINAL PLATE.

5. Remove the terminal plate.
6. Inspect components for scratches, etc. that may have caused the leak.
7. Remove lower insulator.
8. Begin reassembly by replacing lower insulators (green) with the square black insulator (make sure the terminal post is seated in the insulator).
9. Replace o-rings with the rubber seal.
10. Oil and install new terminal plate gasket.
11. Carefully push terminals through the terminal plate.

NOTE: BE SURE TO REINSTALL THE TERMINALS INTO THE SAME HOLES THEY WERE REMOVED FROM. THE TERMINAL PLATE IS STAMPED WITH THE APPROPRIATE NUMBERS.

12. Install upper insulator (round, black).
13. Place flat brass washer on top of the upper insulator.
14. Hand tighten the nut.
15. Reconnect the spade connectors for the motor terminal sensors. Follow the color coding of the sensors.
16. Install the terminal plate on the compressor with the 12 mounting bolts.
17. Torque the terminal plate mounting bolts to 40 ft-lb.
18. Torque the terminal stud nuts to 10 ft-lb.

CAUTION: OVER TORQUING THE TERMINAL NUTS MAY RESULT IN BREAKAGE OR LEAKING, OR BOTH.

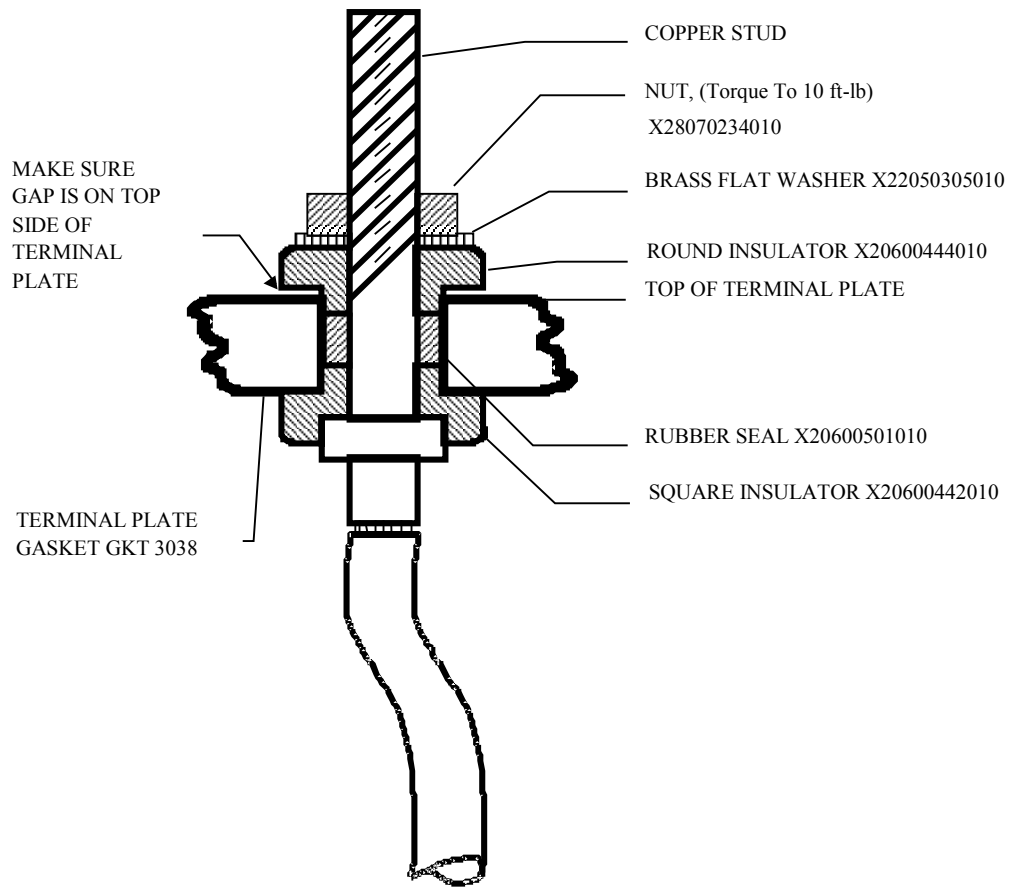


Figure 1
Insulator Section

See Also HCOM-SB-85