

RE: DC 5000 MOTOR COUPLING REPAIR

It is possible to repair/replace this without discharging the system. To repair this drive coupling:

- 1) Remove the four hex bolts holding the DC motor to the rubber mounts.
- 2) Raise the motor and condenser assembly enough to remove the two hex head bolts holding the motor to the motor base.
- 3) Remove the cable clamps to allow the wire to the high pressure switch to slacken.
- 4) Loosen the four long bolts at the compressor that hold the assembly together. Lift the motor out and away from the coupling.
- 5) Inspect the finger pins in the drive. Replace the drive isolator (rubber disk) installing it on the compressor coupling. Insert the 5/8 spring in the center of the disk Position the motor coupling on the shaft .700 from the face of the motor to the back of the motor coupling. Secure it with the grub screw (5/32" allen set screw). Tighten this screw as tight a possible then install a second grub screw on top of it. (Make sure this coupling has a key.)
- 6) Index the motor pins in the drive isolator as the motor is repositioned.
- 7) Refit the four long bolts at the compressor and tighten.
- 8) Reinstall the motor to it's base and reinstall the four bolts to the rubber mounts.

Note: The compressor coupler is positioned and fixed to the compressor with Loctite 271. To remove this coupling, heat the coupling with a heat gun before removing allen grub screw. Refit flush with shaft end. Use Loctite 271 on shaft and grub screw.

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