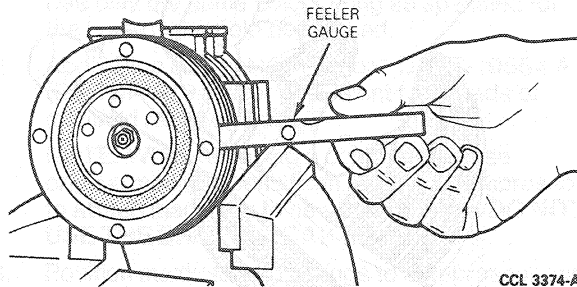


REMOVAL AND INSTALLATION (Continued)

- Check air gap between hub and mating pulley surface in three locations equally spaced around pulley. Record air gap readings.

Clutch Air Gap Check

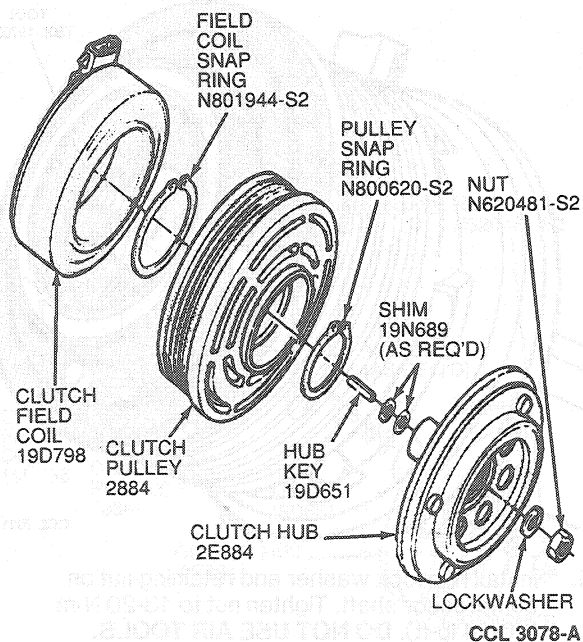


- Rotate compressor pulley one-half turn (180 degrees) and again check air gap in three equally spaced locations. Smallest air gap must be within specified limits for air gap. Add or remove shims between hub and compressor shaft end as necessary until smallest air gap is within specification.

Clutch Field Coil

Removal

- Remove clutch hub and pulley.
- Remove snap ring retaining clutch field coil on the front of compressor.



- Pull field coil from front of the compressor.

Installation

- Position clutch field coil to compressor, engaging locator pin on compressor head with the hole in the clutch field coil mounting plate.
- Install snap ring retaining clutch field coil on the compressor with bevel side of snap ring out.
- Install pulley and hub on compressor and check air gap. Adjust as necessary.

Clutch Pulley Bearing

NOTE: Clutch pulley bearing is not a serviceable part.

Shaft Seal and Seat

Tools Required:

- Shaft Key Remover T81P-19623-NH
- Snap Ring Pliers T71P-19703-T
- Shaft Seal Seat Remover T87P-19623-BR
- Shaft Seal Remover T91P-19623-AH
- Shaft Seal Protector T71P-19703-H
- Shaft Seal Replacer T92P-19623-BH or T87P-19623-C
- Rotunda Electronic Leak Detector 055-00015

Removal

The refrigerant system must be discharged and the compressor removed from the vehicle to perform the shaft seal replacement operation.

The 10P15F compressor uses two different shaft seals. The shaft seal identification marks are located on the compressor front head.