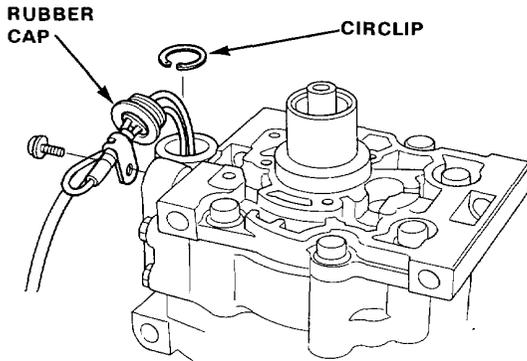


# Compressor

## Thermal Protector Replacement

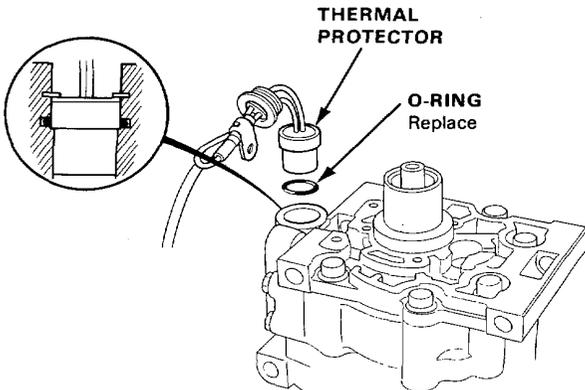
1. Remove the pressure plate and field coil (page 15-51).
2. Pull the rubber cap out from the thermal protector.
3. Remove the screws and wire clips.
4. Remove the circlip and thermal protector.



5. Install in the reverse order of removal

**NOTE:**

- Replace the O-rings with new ones.
- Set the new O-rings in place as shown.



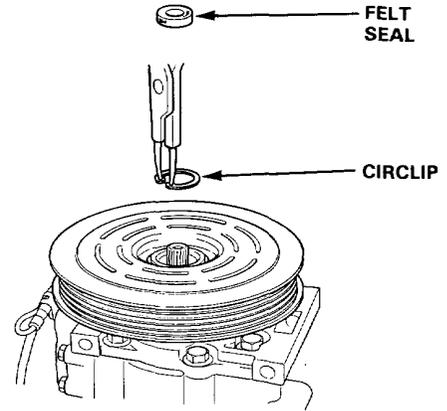
## Shaft Seal Replacement

**NOTE:** Make sure that the suction and discharge joints are plugged with the caps.

1. Remove the pressure plate (page 15-51).

**NOTE:** Removal of the clutch pulley and coil is not necessary.

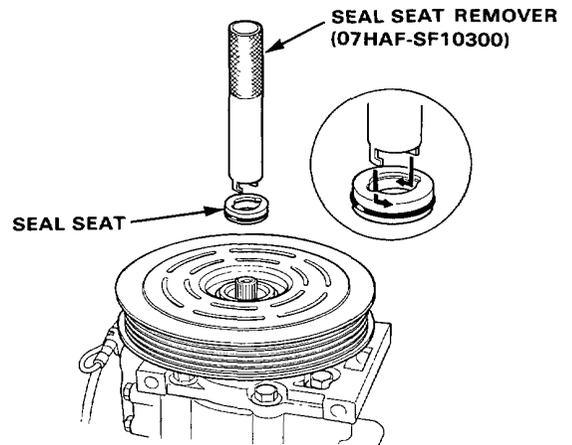
2. Remove the felt seal and circlip.



3. Remove the shim(s).

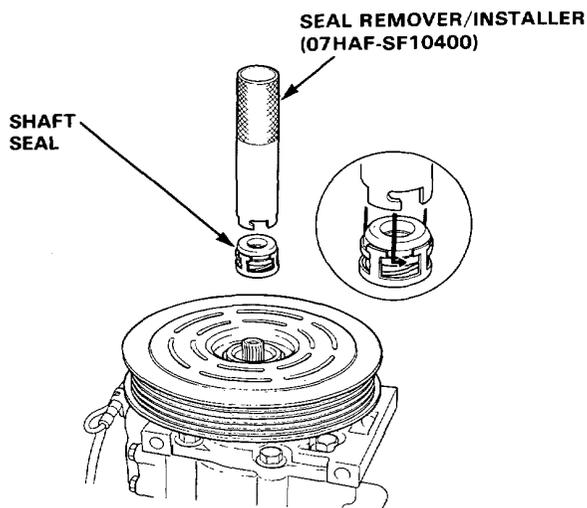
**NOTE:** After removing, place shim(s) safely in a parts rack.

4. Insert the Special tool into the compressor, aligning the cutout of the remover with the groove of the seal seat.
5. Rotate the Special tool counterclockwise to make sure that the cutout is engaged with the seal seat.
6. Pull out the seal seat.





7. Insert the special tool into the compressor aligning the cutout of the remover with the metal pawl of the seal case.
8. Rotate the special tool counter clock wise to make sure that the cutout is engaged with the metal pawl.



9. Withdraw the remover.
10. Lay down the compressor and clean the shaft seal contacting face of the compressor with cleaning solvent.

**CAUTION:**

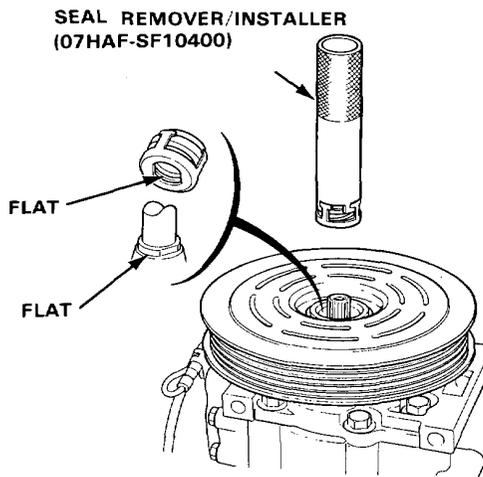
- Keep the cleaning solvent and dirt out of the compressor.
- Do not use any cloth for cleaning, clean only by rinsing with solvent.
- Do not spill the refrigerant oil from the compressor. Refill the same amount of the oil if the oil is spilled out.

11. Clean the new shaft seal thoroughly with cleaning solvent.
12. Lubricate the shaft seal with refrigerant oil (SUNISO 5GS or equivalent) and install it on the shaft seal remover.

**NOTE:**

- Use only clean refrigerant oil.
- Do not touch the sealing surfaces of the shaft seal after lubricating.

13. Liberally lubricate the compressor shaft with refrigerant oil.
14. Install the shaft seal onto the compressor shaft aligning the seal case flats with the shaft flats.



15. Clean the seal seat with cleaning solvent, then lubricate the seal seat with refrigerant oil (SUNISO 5GS or equivalent).

**NOTE:**

- Use only clean refrigerant oil.
- Do not touch the sealing surface of the seal plate after lubricated.

16. First slide the seal seat into the compressor by hand as far as possible.
17. Press the seal seat with the grip side of the remover.
18. Install the circlip with its chamfered edge inside.
19. Press the circlip with the grip side of the remover, then install the felt seal.
20. Install the shim(s).
21. Install the pressure plate. Measure the clearance between the pulley and pressure plate all the way around. If the clearance is not within the specified limits, (0.3—0.45 mm (0.012—0.018 in)) shims must be added or removed as required.