

A/C COMPRESSOR SERVICING

1988 Toyota Celica

1988 A/C Compressor Service

Camry, Celica, Corolla, Cressida, Land Cruiser, MR2,
Pickup/4Runner, Supra, Van/Wagon

* PLEASE READ THIS FIRST *

CAUTION: When discharging air conditioning system, use only approved refrigerant recovery/recycling equipment. Make every attempt to avoid discharging refrigerant into the atmosphere.

NIPPONDENSO 10-CYLINDER

SHAFT SEAL

NOTE: Check compressor refrigerant oil level when replacing seals. See A/C COMPRESSOR COMPRESSOR OIL CHECKING article in this section.

Removal

- 1) Hold clutch hub stationary and remove center nut. Screw remover into center of hub. Turn center bolt to remove pressure plate.
- 2) Remove shims from shaft. Remove snap ring from inside of pulley. Tap pulley off of shaft with plastic mallet. Be careful not to distort pulley while removing.
- 3) Disconnect clutch coil wires from compressor housing. Remove snap ring inside coil and lift coil off compressor. Pry dust seal out from around compressor shaft (if equipped).
- 4) Place shaft key remover on shaft and turn to remove key. Remove drain plug (if equipped). Remove bolts holding service valves to body of compressor and remove valves. Discard "O" rings. Drain oil out of compressor.
- 5) Remove 6 through bolts from front head of compressor and discard washers. Tap head loose from compressor, being careful not to scratch sealing surfaces. Remove snap ring (if equipped) from front housing. Press seal plate out. Remove seal from shaft.

Installation

- 1) Lubricate shaft seal with clean refrigerant oil. Place on compressor shaft. Lubricate seal plate (and "O" ring, if equipped) and install in front housing. Install snap ring (if equipped).
- 2) Place front housing on compressor body. Using new washers, install through bolts. Tighten bolts evenly and alternately to 18 ft. lbs. (24 N.m). Install shaft key with installer and plastic mallet. Insert dust seal into front of compressor.
- 3) Install drain plug using new gasket. Add correct amount of refrigerant oil to compressor. If service valves were removed, coat new "O" rings with refrigerant oil and install service valves.
- 4) Place clutch coil on compressor and install snap ring. Install shims on shaft to adjust clearance between pressure plate and rotor to .016-.028" (.41-.71 mm). Tighten shaft nut to 12 ft. lbs. (16 N.m). See REFRIGERANT OIL & R-12 CAPACITIES table for system capacities.

A/C SYSTEM SPECIFICATIONS

REFRIGERANT OIL & R-12 CAPACITIES TABLE

Application	(1) Oil Ounces	R-12 Ounces
Land Cruiser	3.4	23-27
Van		
Single Unit	2.0-3.4	21-27
Dual Unit	2.0-3.4	48-51
All Other Models	2.0-3.4	21-27

(1) - Total system capacity, unless otherwise noted.
