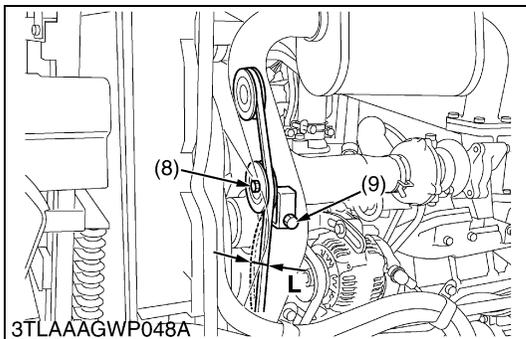
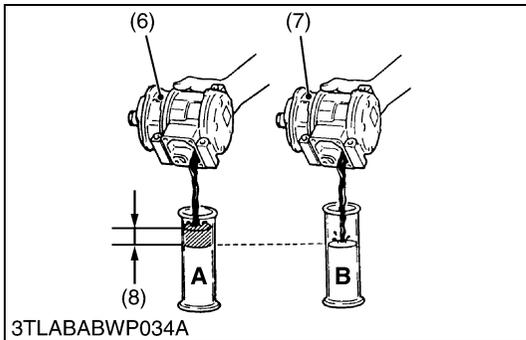
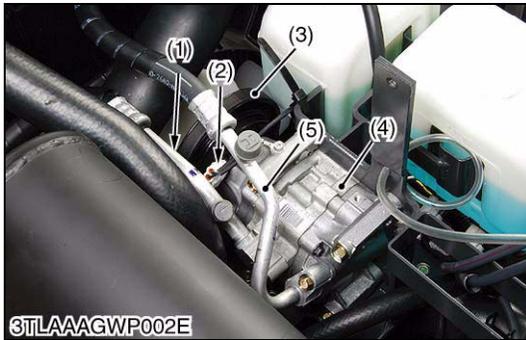


(2) Removing Compressor Assembly



Compressor Assembly

1. Discharge the refrigerant from the system. (Refer to “(1) Discharging the Refrigerant” in this section.)
2. Disconnect the low pressure pipe (suction) (1) and high pressure pipe (discharge) (5) from the compressor, then cap the open fitting immediately to keep moisture out of the system.
3. Disconnect the **2P** connector (2) of magnetic clutch.
4. Remove the air conditioner belt (3) and remove the compressor (4) with stay.

(When reassembling)

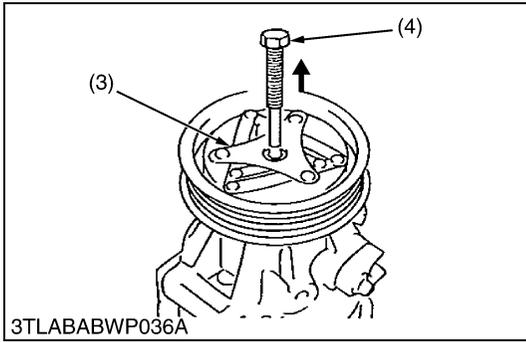
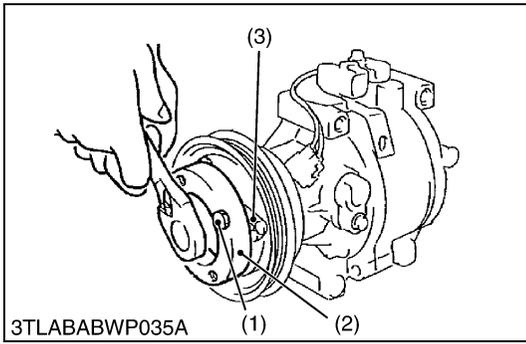
- After reassembling the compressor, be sure to adjust the air conditioner belt tension and recharge the refrigerant to the system. (Refer to “(3) Charging the Refrigerant” in this section.)
- Apply compressor oil (DENSO CO. ND-OIL8 or equivalent) to the O-rings and take care not to damage them.
- “**S**” letter is marked on the compressor for connecting the low pressure pipe (suction side).
- “**D**” letter is marked on the compressor for connecting the high pressure pipe (discharge side).
- When replacing the compressor with a new one, meet the oil amount with old one.
- Push on the belt between the pulleys with a finger. Deflection (**L**) of 10 to 12 mm (0.40 to 0.48 in.) under a 98 N (10 kgf, 22 lbf) load is appropriate.

Tightening torque	High pressure pipe and low pressure pipe mounting screw	7.9 to 11 N·m 0.80 to 1.2 kgf·m 5.8 to 8.6 lbf·ft
	Compressor mounting screws	25 to 29 N·m 2.5 to 3.0 kgf·m 18 to 21 lbf·ft

- (1) Low Pressure Pipe
- (2) **2P** Connector (Magnetic Clutch)
- (3) Air Conditioner Belt
- (4) Compressor
- (5) High Pressure Pipe
- (6) New Compressor
- (7) Old Compressor
- (8) Remove the Excess Oil (**A-B**)
- (9) Adjusting Bolt

- A : Oil Flow New Compressor**
B : Oil Flow Replace Compressor
L : Deflection (10 to 12 mm (0.40 to 0.48 in.))

W1014469



Hub Plate

1. Three stopper bolts (1) are set in stopper magnet clutch (2) at the position corresponding to the shape of compressor. (Refer to “8. SPECIAL TOOLS” at “G. GENERAL” section.)
2. The stopper magnet clutch (2) is hung on hub plate (3) and it is fixed that the compressor rotates.
3. Remove the magnet clutch mounting screw.
4. Remove the hub plate (3).
5. Remove the shims.

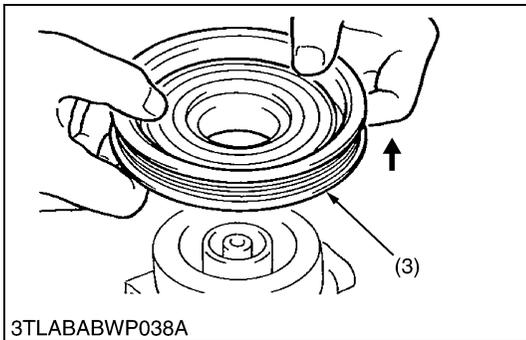
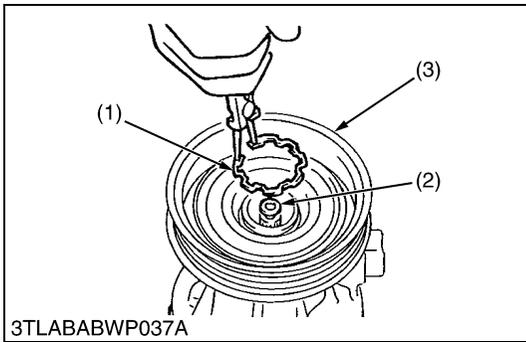
(When reassembling)

- Do not apply grease or oil on the hub plate facing.
- Do not use the magnetic clutch mounting screw again.
- It is confirmed to turn rotor by hand after assembling and not contact with stator and hub plate.
- Check and adjust the air gap before tight the magnet clutch mounting screw or nut to the specified torque. (Refer to “[3] SERVICING” in this section.)

Tightening torque	Clutch mounting screw	12.3 to 14.1 N·m 1.25 to 1.44 kgf·m 9.05 to 10.4 lbf·ft
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- (1) Stopper Bolt (2) Stopper Magnet Clutch (3) Hub Plate (4) Remover Magnet Clutch

W1059166



Rotor

1. Remove the circlip (1).
2. Remove the rotor (3).

(When reassembling)

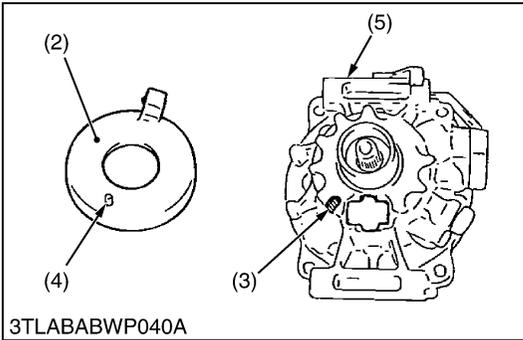
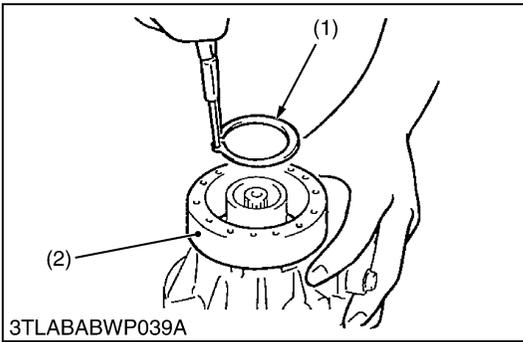
- Do not use the circlip again.
- Assemble the circlip for the tapered side to become outside of rotor.
- The width of expanding of circlip is set in boss of shaft as a minimum.

(Reference)

Type of compressor	Code No. for circlip
Scroll type	T1065-87450

- (1) Circlip (2) Shim (3) Rotor

W1059753



Stator

1. Remove the lead wire from compressor body.
2. Remove the external circlip (1).
3. Remove the stator (2).

(When reassembling)

- Do not use the circlip again.
- Assemble the circlip for the tapered side to become outside of front housing.
- The width of expanding of circlip is set is boss of shaft as a minimum.
- Match and assemble the concave part (3) of the front housing (5) and the pin (4) of stator.

- | | |
|----------------------|-------------------|
| (1) External Circlip | (4) Pin |
| (2) Stator | (5) Front Housing |
| (3) Concave Part | |

W1059953

(3) Removing Air Conditioner Unit

Draining Coolant

Refer to "[2] DISASSEMBLING AND ASSEMBLING" in this section.

W1045207

Discharging Refrigerant Gas

Refer to "[2] DISCHARGING, EVACUATING AND CHARGING" of "5. CHECKING AND CHARGING REFRIGERANT CYCLE" in this section.

W1045468

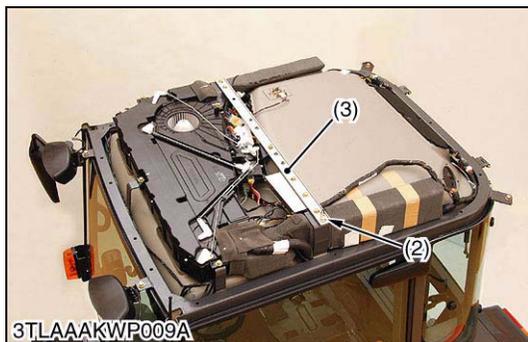
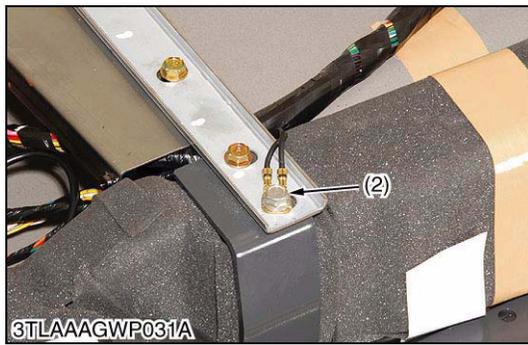


Outer Roof and Stay

1. Remove the outer roof (1).
2. Disconnect the ground cable (2).
3. Remove the stay (3).

- | | |
|------------------|----------|
| (1) Outer Roof | (3) Stay |
| (2) Ground cable | |

W1045533



Wiring Harness

1. Disconnect the temperature motor connector (1), and thermostat connectors (2).
2. Disconnect the mode motor connector (3) and blower resistor connector (4).

- | | |
|---------------------------------|-------------------------------|
| (1) Temperature Motor Connector | (3) Mode Motor Connector |
| (2) Thermostat Connector | (4) Blower Resister Connector |

W1045808

