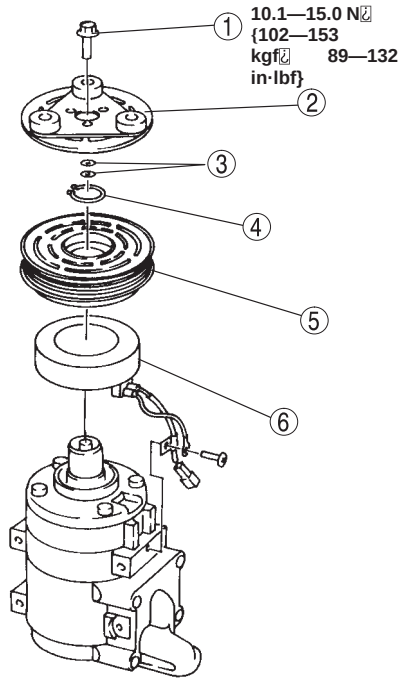


CONTROL SYSTEM

MAGNETIC CLUTCH DISASSEMBLY/ASSEMBLY

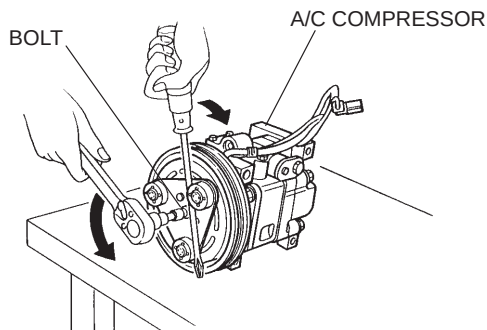
1. Disassemble in the order indicated in the table.
2. Assemble in the reverse order of disassembly.
3. Adjust the magnetic clutch clearance. (Refer to MAGNETIC CLUTCH CLEARANCE ADJUSTMENT.)



1	Bolt + Removal/Installation Note
2	Pressure plate + Installation Note
3	Shim
4	Snap ring
5	A/C compressor pulley
6	Stator + Removal Note + Installation Note

Bolt Removal/Installation Note

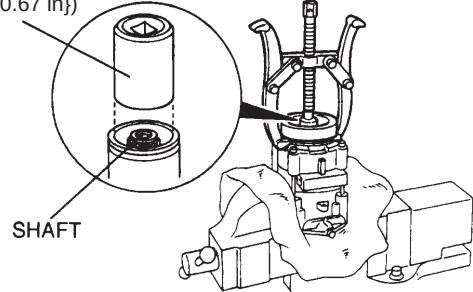
- When removing or installing the bolt, hold the pressure plate in place as shown in the table.



Stator Removal Note

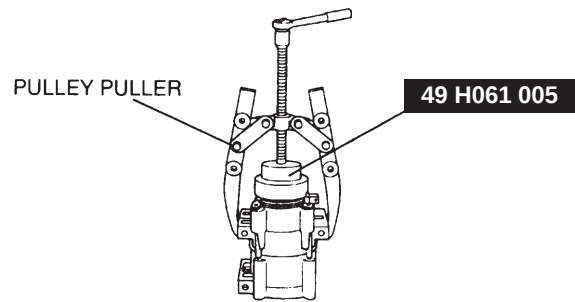
- Set a straight-socket (17 mm {0.67 in}) on the shaft of the A/C compressor to protect it.
- Remove the stator using a pulley puller as shown in the table.

STRAIGHT-SOCKET
(17 mm {0.67 in})



Stator Installation Note

- Install the stator perpendicularly using the SST and a pulley puller as shown in the table.

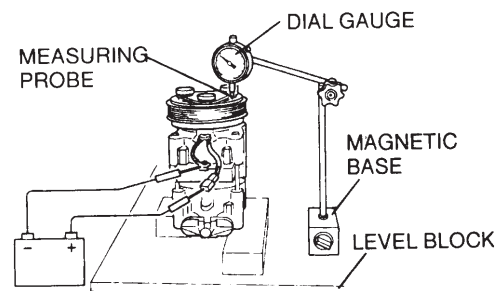


Pressure Plate Installation Note

- When installing the pressure plate, carry out magnetic clutch clearance adjustment.

MAGNETIC CLUTCH CLEARANCE ADJUSTMENT G6, WL, WL turbo Only

1. Set the A/C compressor on a level block.
2. Turn on the magnetic clutch by connecting the battery positive voltage to the magnetic clutch connector terminal and the ground to the A/C compressor body.
3. Fix a dial gauge on a magnetic base and set the measuring probe onto point A on the pressure plate surface.

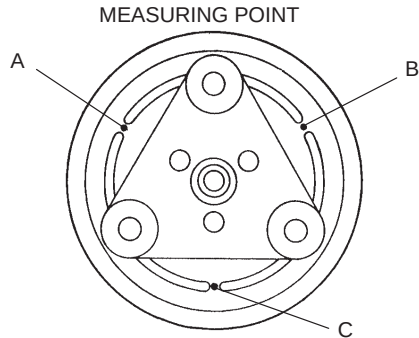


CONTROL SYSTEM

- Turn off the magnetic clutch by disconnecting the ground from the A/C compressor body, then measure the dial gauge readings.
- Measure the clearance for point B and C on the pressure plate surface by repeating the above steps 2 through 4.

Clearance

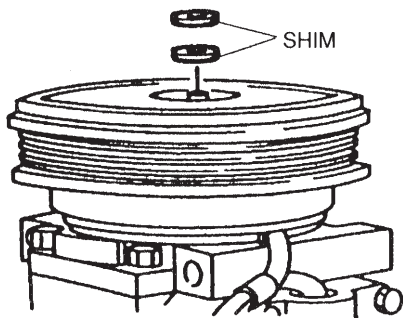
0.35—0.75 mm {0.014—0.029 in}



- If the clearance is not as specified, adjust it by changing the shim.

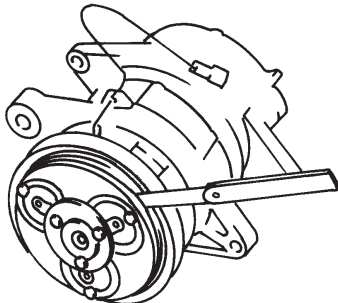
Note

- The seven shim sizes from 0.7 mm {0.028 in} to 1.3 mm {0.051 in} differ in 0.1 mm {0.004 in} increments.



F2, F2 Cab Only

- Measure the clearance around the entire circumference between the pressure plate and A/C compressor pulley using a thickness gauge.



- Verify that the clearance is within the specification.

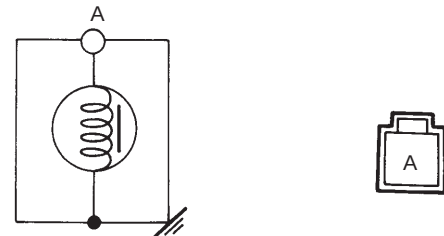
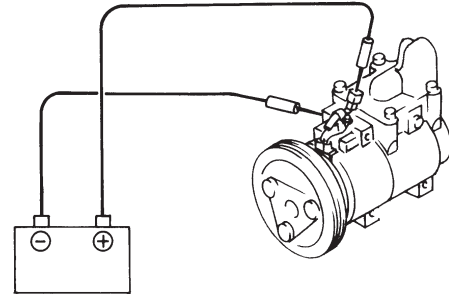
Clearance

0.3—0.6 mm {0.01—0.02 in}

- If not within the specification, remove the pressure plate and adjust the clearance by changing the shim (0.1 mm {0.004 in}, 0.3 mm {0.012 in}, 0.5 mm {0.020 in}) or the number of shims.

MAGNETIC CLUTCH INSPECTION

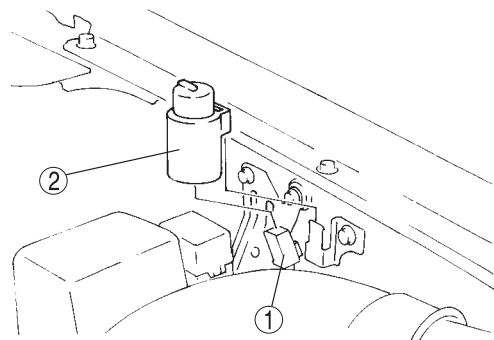
- Disconnect the magnetic clutch connector.
- Connect battery positive voltage to terminal A of magnetic clutch and ground to the A/C compressor body.



- Verify that the magnetic clutch operates.
- If not as specified, replace the stator.

A/C RELAY No.1 REMOVAL/INSTALLATION

- Disconnect the negative battery cable.
- Remove in the order indicated in the table.
- Install in the reverse order of removal.



1	Connector
2	A/C relay No.1