

MAGNET CLUTCH [FULL-AUTO AIR CONDITIONER]

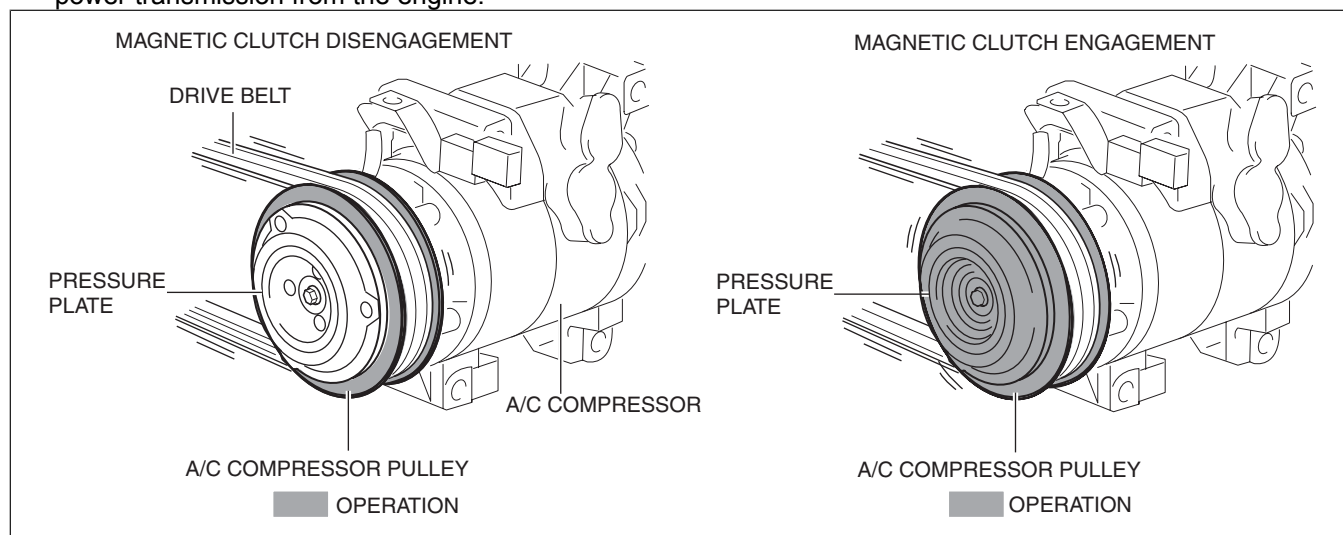
id0740a1320900

Purpose

- The magnetic clutch transmits the rotation force from the engine to the shaft in the A/C compressor.

Function

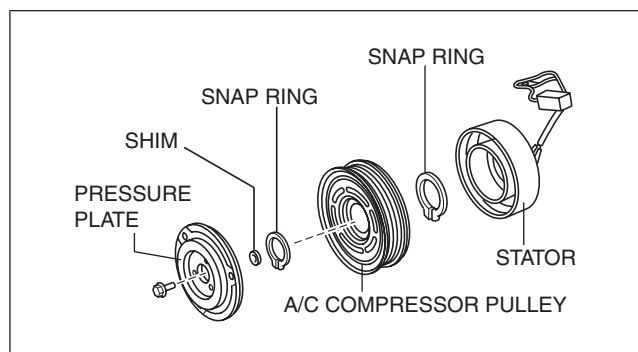
- The magnetic clutch engages or disengages the magnetic clutch and the A/C turns on or off by switching the power transmission from the engine.



ac5wzn00000721

Construction

- The magnetic clutch is installed to the A/C compressor.
- The magnetic clutch consists of the following parts:
 - Pressure plate
 - A/C compressor pulley
 - Stator
 - Snap ring
 - Shim

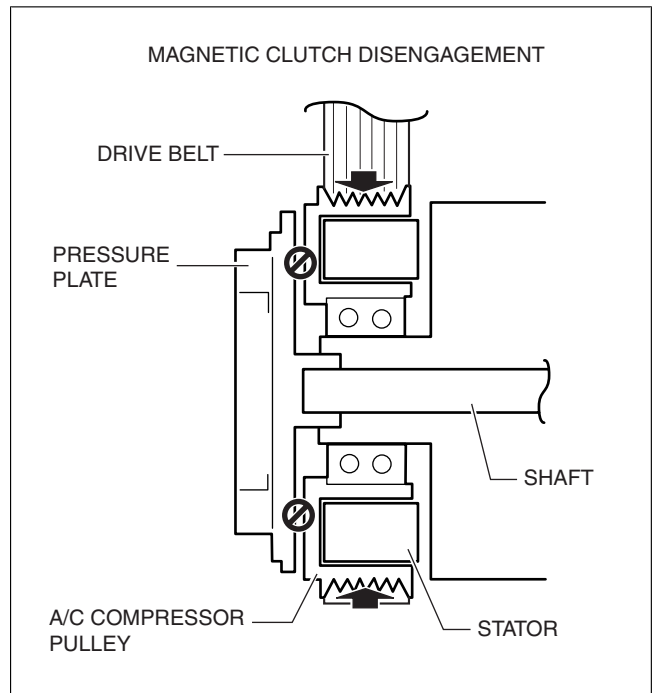


ac5wzn00000722

Operation

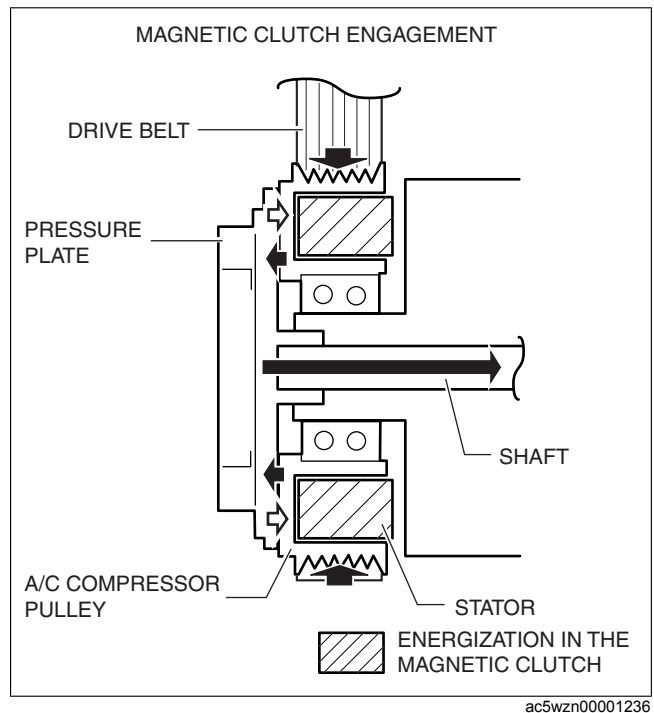
Magnetic clutch disengagement

1. If there is no energization in the magnetic clutch stator from the A/C relay, the pressure plate cannot be engaged with the A/C compressor pulley because the magnetic clutch stator does not operate.
2. The rotation force from the drive belt is only transmitted to the A/C compressor pulley and the pulley spins.



Magnetic clutch engagement

1. If there is energization in the magnetic clutch stator from the A/C relay, the magnetic clutch stator operates and the pressure plate is engaged with the A/C compressor pulley.
2. The rotation force from the drive belt is transmitted to the compressor shaft through the pressure plate from the A/C compressor pulley.



Fail-safe

- Function not equipped.