

2012 - Mazda6 - Transmission/ Transaxle

SOLENOID VALVE REMOVAL/ INSTALLATION [FS5A-EL]

WARNING:

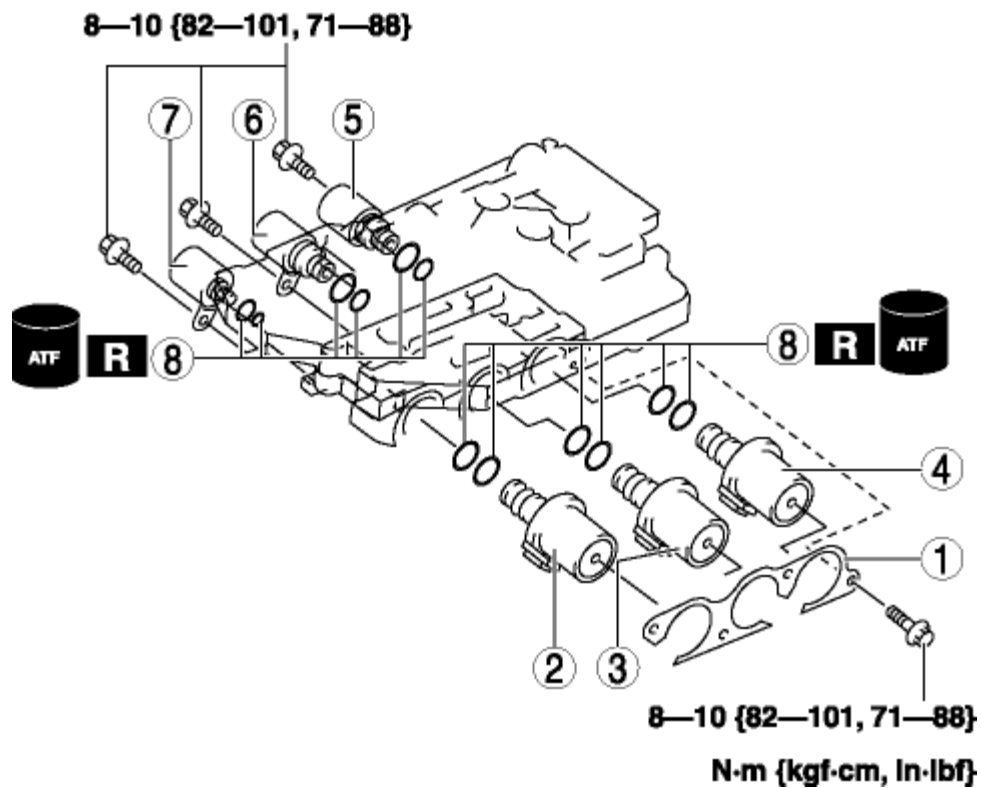
- A hot transaxle and ATF can cause severe burns. Turn off the engine and wait until they are cool.
- Using compressed air can cause dirt and other particles to fly out, causing injury to the eyes. Wear protective eyeglasses whenever using compressed air.

CAUTION:

- Water or foreign objects entering the connector can cause a poor connection or corrosion. Be sure not to drop water or foreign objects on the connector when disconnecting it.

Primary Control Valve Body

1. Remove the primary control valve body.
 - a. Disconnect the negative battery cable.
 - b. Remove the aerodynamic under cover NO.2. (See [AERODYNAMIC UNDER COVER NO.2 REMOVAL/ INSTALLATION](#).)
 - c. Clean the transaxle exterior throughout with a steam cleaner or cleaning solvents.
 - d. Drain the ATF into a separate suitable container. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) REPLACEMENT \[FS5A-EL\]](#).)
 - e. Remove the front crossmember. (See [FRONT CROSSMEMBER REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
 - f. Remove the oil pan. (See [CONTROL VALVE BODY REMOVAL/ INSTALLATION \[FS5A-EL\]](#).)
 - g. Remove the primary control valve body. (See [CONTROL VALVE BODY REMOVAL/ INSTALLATION \[FS5A-EL\]](#).)
2. Remove in the order indicated in the table.
3. Install in the reverse order of removal.
4. Add ATF. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) REPLACEMENT \[FS5A-EL\]](#).)
5. Perform the "Mechanical System Test". (See [MECHANICAL SYSTEM TEST \[FS5A-EL\]](#).)
6. Perform the "Road Test". (See [ROAD TEST \[FS5A-EL\]](#).)



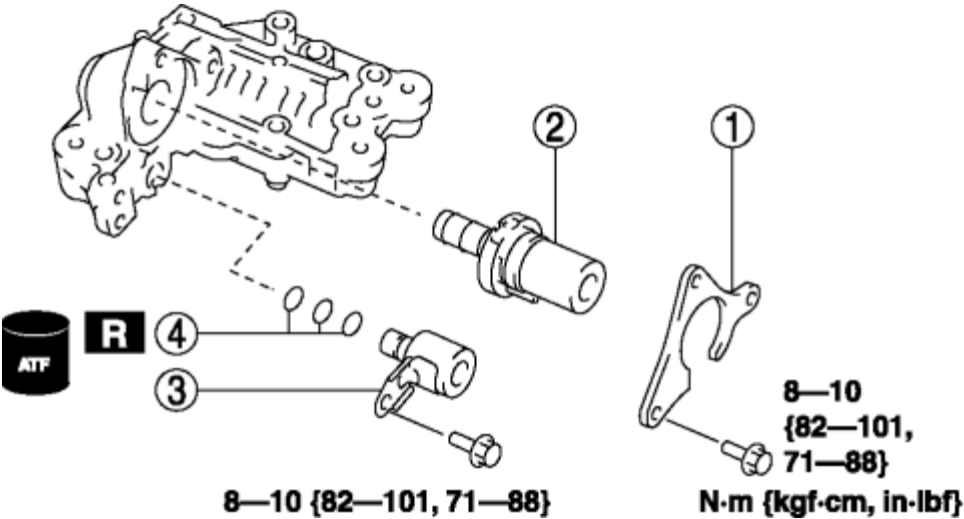
1	Braket
2	Shift solenoid A
3	Shift solenoid C
4	Shift solenoid B
5	Shift solenoid E
6	Shift solenoid D
7	Pressure control solenoid A
8	O-ring

Secondary Control Valve Body

1. Remove the secondary control valve body.
 - a. Disconnect the negative battery cable.
 - b. Remove the battery. (See [BATTERY REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

- c. Remove the battery tray. (See [BATTERY REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
- d. Remove the PCM and PCM bracket. (See [PCM REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
- e. Remove the aerodynamic under cover NO.2. (See [AERODYNAMIC UNDER COVER NO.2 REMOVAL/ INSTALLATION](#).)
- f. Clean the transaxle exterior throughout with a steam cleaner or cleaning solvents.
- g. Drain the ATF into a separate suitable container. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) REPLACEMENT \[FS5A-EL\]](#).)
- h. Remove the oil cover. (See [CONTROL VALVE BODY REMOVAL/ INSTALLATION \[FS5A-EL\]](#).)
- i. Remove the secondary control valve body. (See [CONTROL VALVE BODY REMOVAL/ INSTALLATION \[FS5A-EL\]](#).)

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1	Braket
2	Pressure control solenoid B
3	Shift solenoid F
4	O-ring

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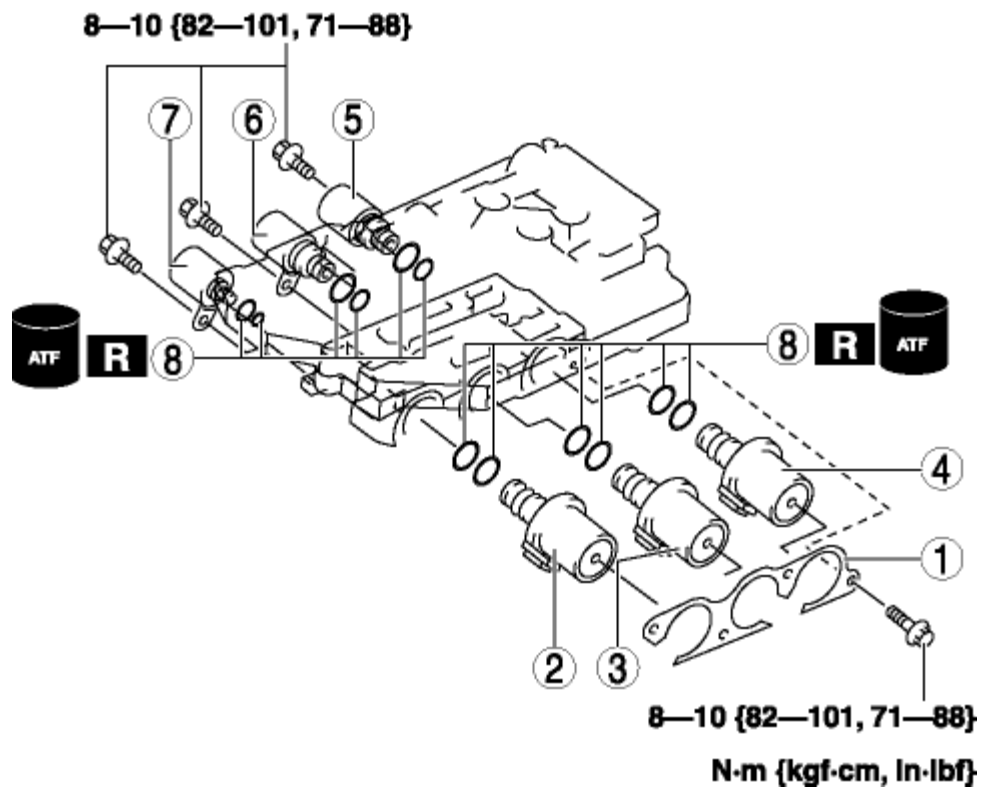
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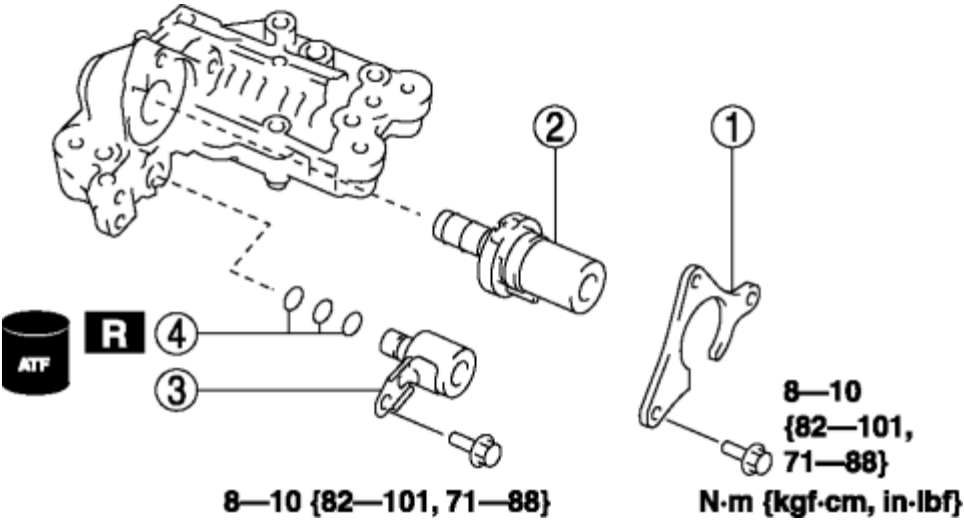
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