

OIL PRESSURE SWITCH REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL]

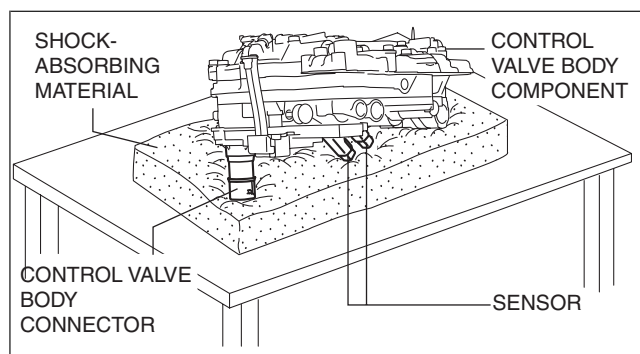
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Warning

- A hot transaxle and ATF can cause severe burns. Turn off the engine and wait until they are cool.
- Always wear protective eye wear when using the air compressor. If the air compressor is used, any particles of dirt or soiling could spatter and get into the eyes.

Caution

- If the oil pressure switch has been replaced, perform initial learning. (See INITIAL LEARNING [GW6A-EL, GW6AX-EL].)
- Placing the control valve body connector side pointed downward could damage the control valve body connector part or sensor. If the servicing can only be performed by pointing the control valve body connector side downward, spread shock-absorbing material, which does not produce dust or foreign matter, and place the control valve body connector part and sensor on the table so that they do not directly contact the table.



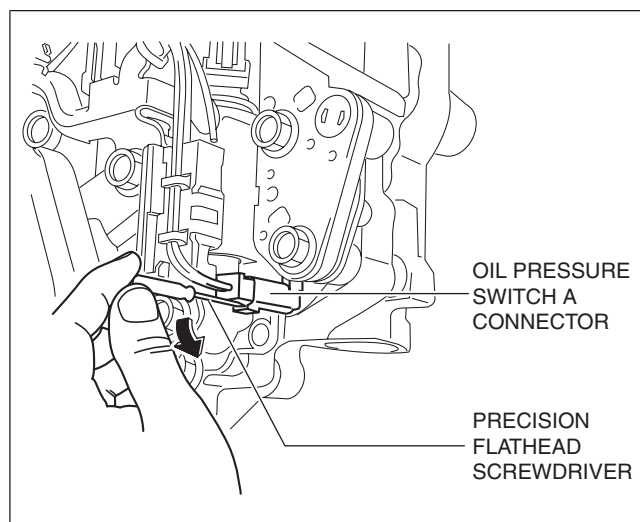
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Oil Pressure Switch A

1. Select the selector lever to P position.
2. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
3. Remove the front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
4. Clean the transaxle exterior throughout with a steam cleaner or cleaning solvents.
5. Remove the air cleaner component. (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
6. Remove the control valve body. (See CONTROL VALVE BODY REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL].)
7. Remove the oil seal (control valve body). (See OIL SEAL (CONTROL VALVE BODY) REPLACEMENT [GW6A-EL, GW6AX-EL].)
8. Insert a precision flathead screwdriver and move it in the direction of the arrow to disconnect the oil pressure switch A connector as shown in the figure.

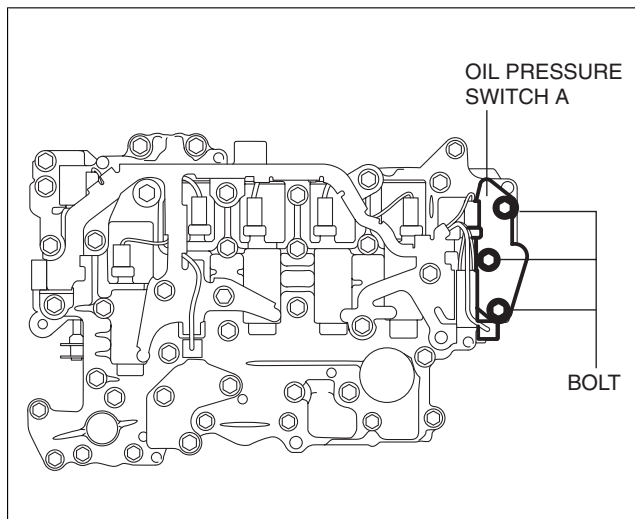
Caution

- Do not scratch the oil pressure switch A and oil pressure switch connector A with the precision flathead screwdriver.
- When disconnecting connectors, grasp the connectors, not the wiring harnesses. Otherwise, the wiring harnesses may be pulled out of the connector causing poor contact.



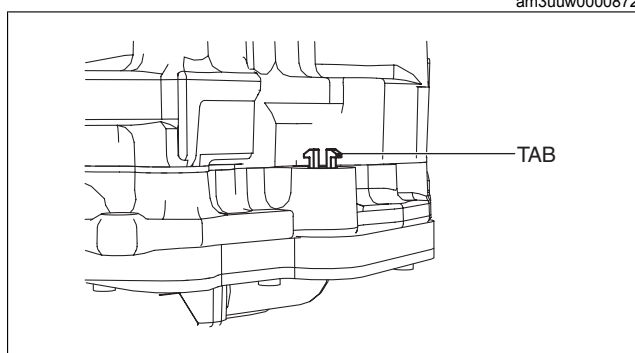
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9. Remove the oil pressure switch A fitting bolts.



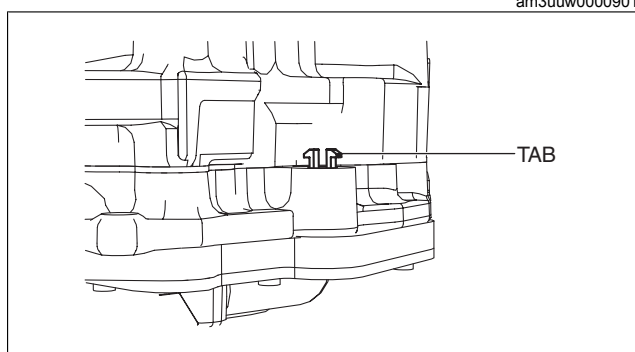
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10. Detach tab shown in the figure and remove the oil pressure switch A from the control valve body.



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11. Install the oil pressure switch A to the control valve body.
12. Verify that the tab is attached correctly.

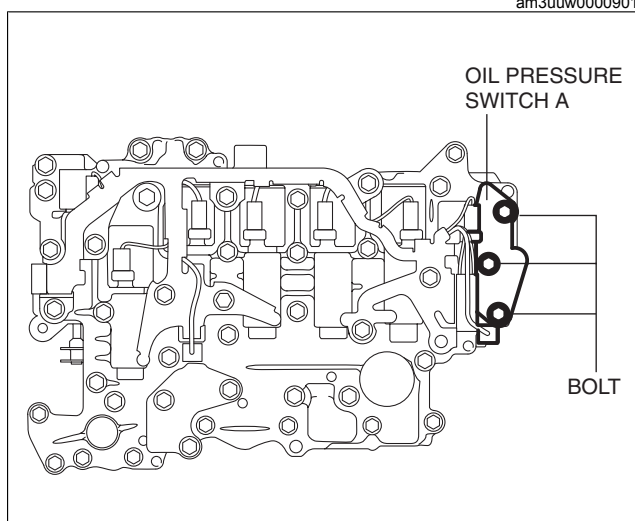


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13. Install the oil pressure switch A fitting bolts.

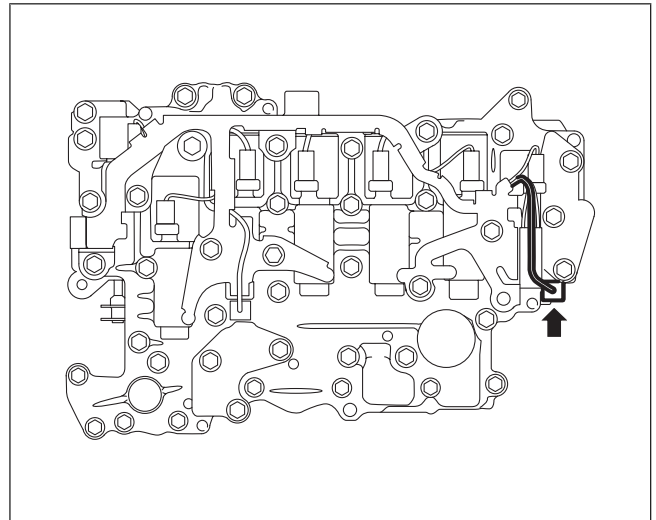
Tightening torque

9—10 N·m {92—101 kgf·cm, 80—88 in·lbf}



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14. Connect the oil pressure switch A connector.
15. Install the control valve body. (See CONTROL VALVE BODY REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL].)
16. Install the front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
17. Install the oil seal (control valve body). (See OIL SEAL (CONTROL VALVE BODY) REPLACEMENT [GW6A-EL, GW6AX-EL].)
18. Install the hose clamp. (See CONTROL VALVE BODY REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL].)
19. Connect the control valve body connector. (See CONTROL VALVE BODY REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL].)



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Caution

- **Make sure that your hand does not touch the terminal as the connector terminal could be damaged.**
- **Verify that there is no fluid or foreign matter adhering to the connector before connecting the connector.**
- **Insert the connector straight as the connector terminal could be damaged.**
- **Rotate the connector lever until a click is heard.**

20. Add the ATF. (See AUTOMATIC TRANSAXLE FLUID (ATF) REPLACEMENT [GW6A-EL, GW6AX-EL].)
21. Install the air cleaner component. (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
22. Connect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
23. Perform the "Initial Learning" (oil pressure switch A replacement). (See INITIAL LEARNING [GW6A-EL, GW6AX-EL].)
24. Perform the "Mechanical System Test". (See MECHANICAL SYSTEM TEST [GW6A-EL, GW6AX-EL].)

Oil Pressure Switch B

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2. Remove the front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
3. Clean the transaxle exterior throughout with a steam cleaner or cleaning solvents.
4. Drain the ATF. (See AUTOMATIC TRANSAXLE FLUID (ATF) REPLACEMENT [GW6A-EL, GW6AX-EL].)
5. Remove the oil pan.

Caution

- **To avoid damaging the control valve body, if there is a large amount of foreign material at the bottom of the oil pan when the oil pan is removed, replace the oil strainer with a new one.**
- **If there is not a large amount of foreign material at the bottom of the oil pan, the oil strainer does not have to be replaced.**

Note

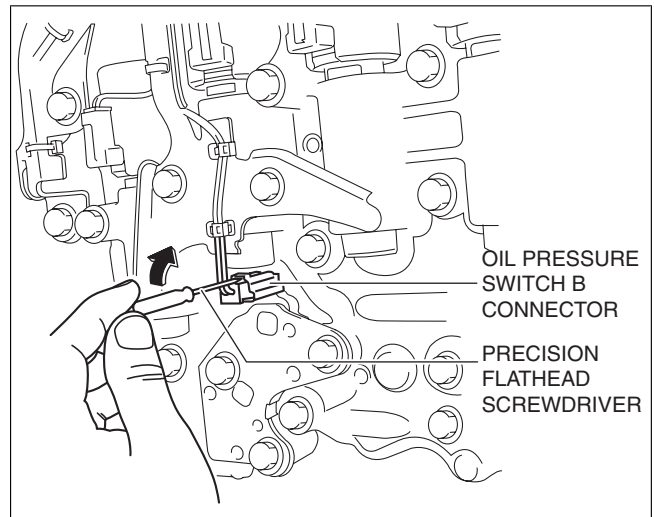
- Always use new oil pan installation bolts when re-installing the oil pan because the oil pan installation bolts cannot be reused.

6. Remove the oil strainer. (See CONTROL VALVE BODY REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL].)
7. Remove the oil strainer O-ring. (See CONTROL VALVE BODY REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL].)

8. Insert a precision flathead screwdriver and move it in the direction of the arrow to disconnect the oil pressure switch B connector as shown in the figure.

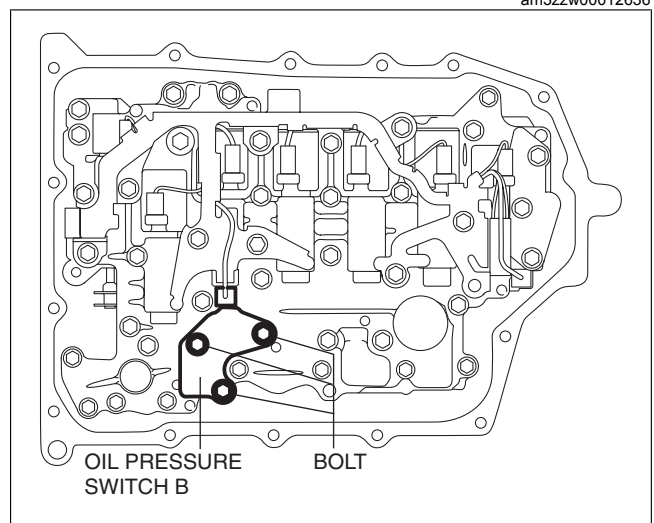
Caution

- Do not scratch the oil pressure switch B and oil pressure switch connector B with the precision flathead screwdriver.
- When disconnecting connectors, grasp the connectors, not the wiring harnesses. Otherwise, the wiring harnesses may be pulled out of the connector causing poor contact.



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9. Remove the oil pressure switch B.

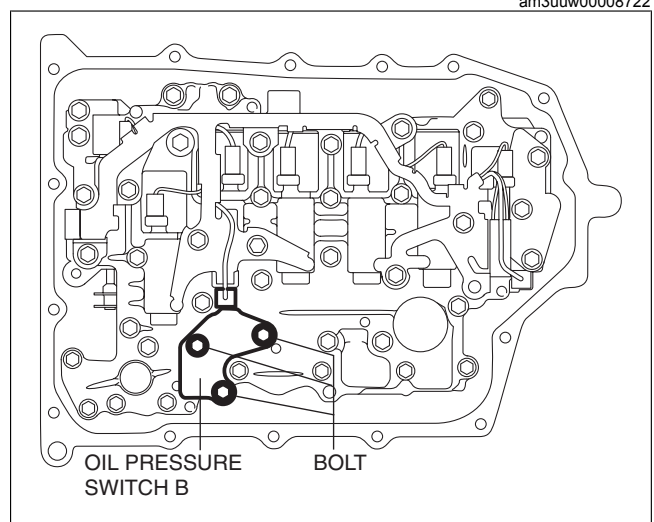


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10. Install the oil pressure switch B.

Tightening torque

9—10 N·m {92—101 kgf·cm, 80—88 in·lbf}



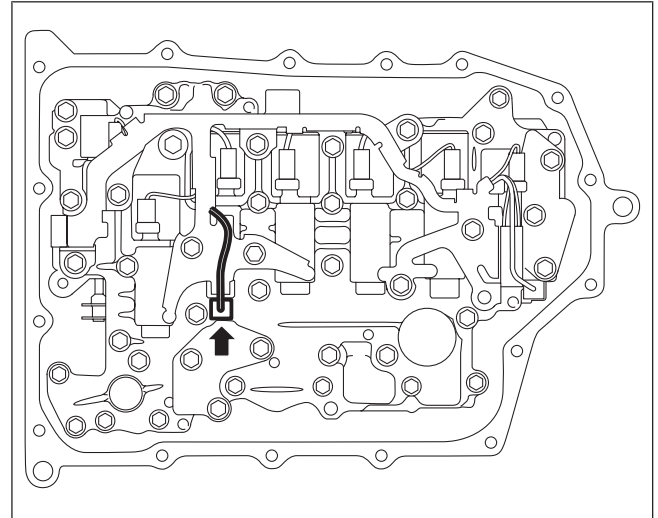
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11. Connect the oil pressure switch B connector.
12. Install the oil strainer O-ring. (See CONTROL VALVE BODY REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL].)

Note

- If there is a large amount of foreign material at the bottom of the oil pan, replace the oil strainer with a new one.

13. Install the oil strainer. (See CONTROL VALVE BODY REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL].)



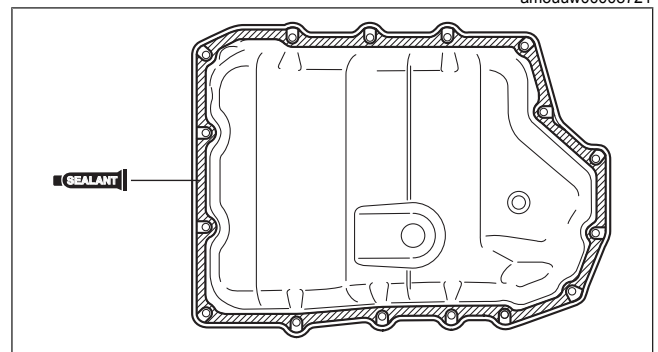
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14. Apply a light coat of silicon sealant (TB1217E or equivalent) to the contact surfaces of the oil pan and transaxle case.

Caution

- Clean any remaining silicone sealant on the contact surface of the transaxle case and oil pan, and degrease the sealant area. Otherwise, oil could leak.

15. Install the oil pan with new bolts before the applied sealant starts to harden.



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Tightening torque

8—10 N·m {82—101 kgf·cm, 71—88 in·lbf}

16. Install the front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
17. Add the ATF. (See AUTOMATIC TRANSAXLE FLUID (ATF) REPLACEMENT [GW6A-EL, GW6AX-EL].)
18. Connect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
19. Perform the "Initial Learning" (oil pressure switch B replacement). (See INITIAL LEARNING [GW6A-EL, GW6AX-EL].)
20. Perform the "Mechanical System Test". (See MECHANICAL SYSTEM TEST [GW6A-EL, GW6AX-EL].)