

Warning

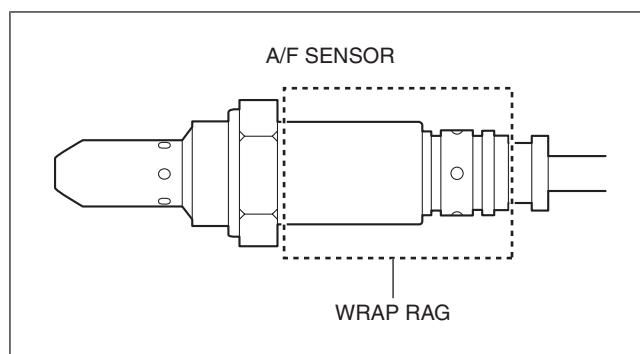
- A hot engine and exhaust system can cause severe burns. Turn off the engine and wait until they are cool before removing the exhaust system.

Caution

- Do not allow flammable objects such as the taping for bundling a wiring harness to come into contact with the catalytic converter.

Note

- If the A/F sensor is replaced, perform the A/F sensor data reset procedure. (See AIR FUEL RATIO (A/F) SENSOR DATA RESET [SKYACTIV-D 2.2].)
- If penetrant lubricating spray penetrates the airflow hole of the A/F sensor, it could cause interference with the A/F sensor function.
- When removing the A/F sensor, wrap a rag around the lower position so that penetrant lubricating spray does not get sprayed into the airflow hole.



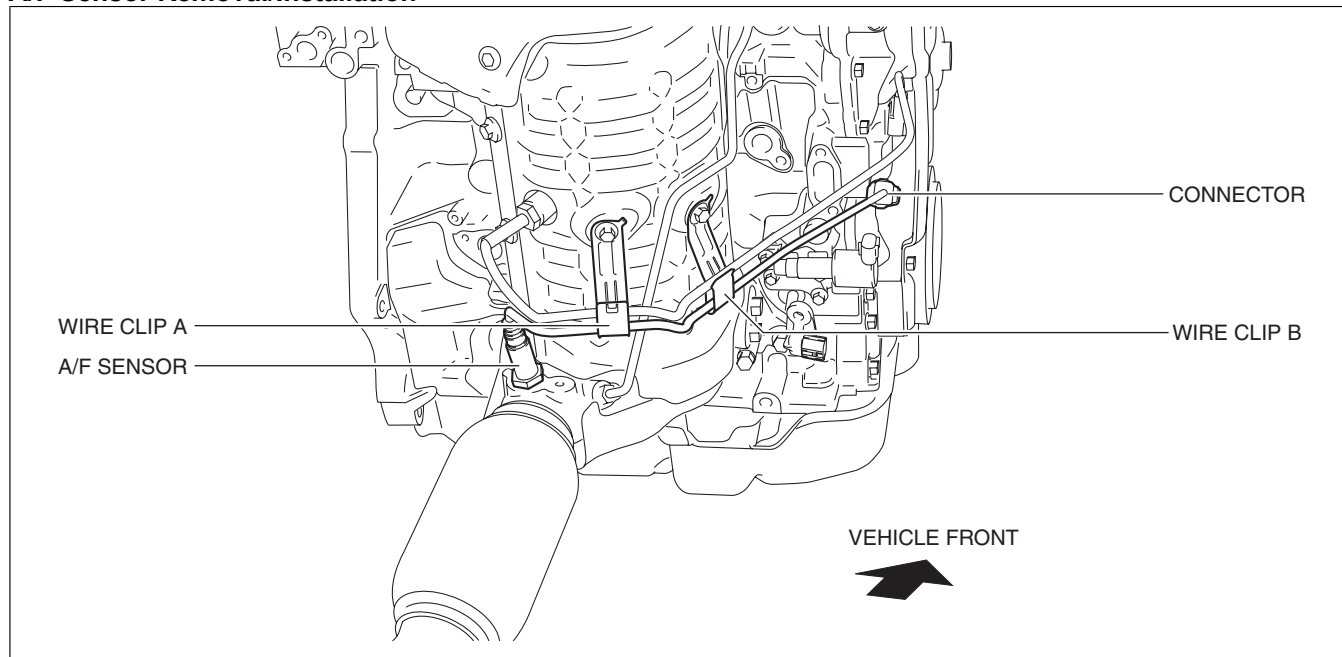
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Operation After Replacing A/F sensor

1. If the A/F sensor is replaced, perform the following procedure.

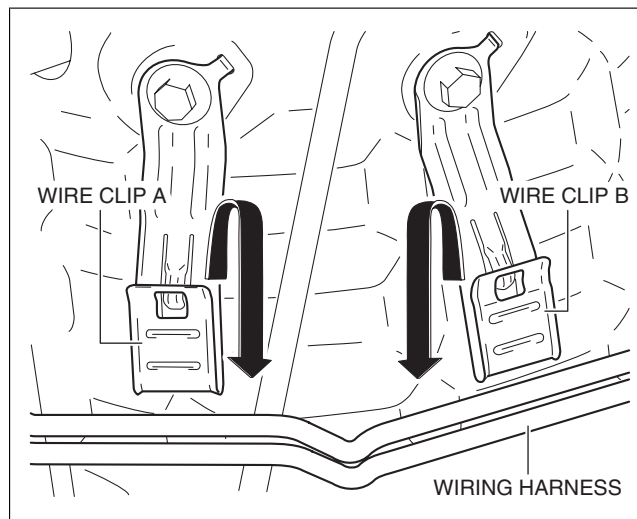
Step	Action	Page
1	Perform A/F sensor data reset procedure.	(See AIR FUEL RATIO (A/F) SENSOR DATA RESET [SKYACTIV-D 2.2].)
2	Wait for 20 s.	—
3	Perform the KOEO self test.	(See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)
4	Perform the KOER self test.	(See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)
5	Perform diesel particulate filter data reset.	(See DIESEL PARTICULATE FILTER DATA RESET [SKYACTIV-D 2.2].)
9	Perform the following procedure. Caution • If the M-MDS is connected to the DLC-2, disconnect the M-MDS. Otherwise, it could adversely affect safety when performing the procedure. 1. Vehicle is traveling at a speed of 50 km/h {31 mph} or more. 2. Remove your foot from the accelerator pedal at a vehicle speed of 50 km/h {31 mph} or more.	—
7	Verify that the PID "O2S11_CAL" value is other than 0.	(See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].)

A/F Sensor Removal/Installation



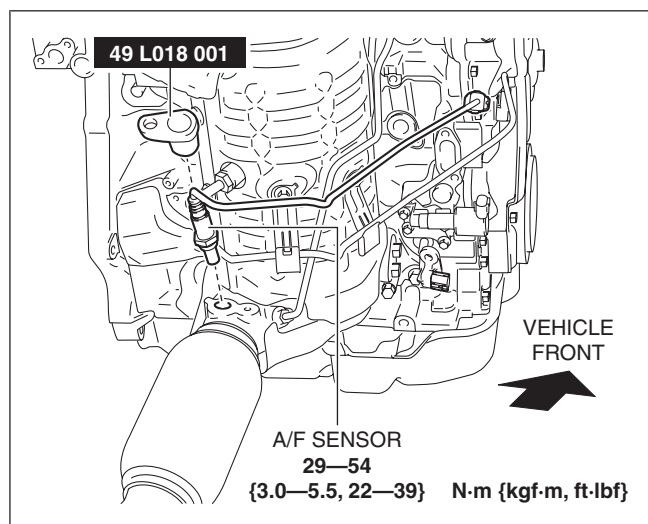
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1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2. Lift up the vehicle.
3. Remove the following parts:
 - (1) Front under cover No.2 (2WD) (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
 - (2) Splash shield (See SPLASH SHIELD REMOVAL/INSTALLATION.)
 - (3) Seal rubber (No.1) and noise suppression cover (No.1) (See TIMING CHAIN REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
4. Disconnect the A/F sensor connector.
5. Remove the insulator (exhaust system). (See EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
6. Remove the wiring harness from the wire clip A and B. (See Assembly of Wiring Harness to Wire Clip Note.)
7. Disconnect the propeller shaft on the transmission side. (4WD) (See PROPELLER SHAFT REMOVAL/INSTALLATION.)
8. Remove the center bearing bracket securing bolts for the propeller shaft and temporarily move the propeller shaft onto the front crossmember. (4WD) (See PROPELLER SHAFT REMOVAL/INSTALLATION.) (See FRONT CROSSMEMBER REMOVAL/INSTALLATION.)



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9. Remove the A/F sensor using the **SST**.
10. Install in the reverse order of removal.
11. Perform operation after replacing A/F sensor. (See Operation After Replacing A/F sensor.)



Assembly of Wiring Harness to Wire Clip Note

- Secure the wiring harness to the wire clip A so that the band on the wiring harness is positioned to the left side of the wire clip A.
- Secure the wiring harness to the wire clip B so that the band on the wiring harness is positioned to the both sides of the wire clip B.

