

MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2]

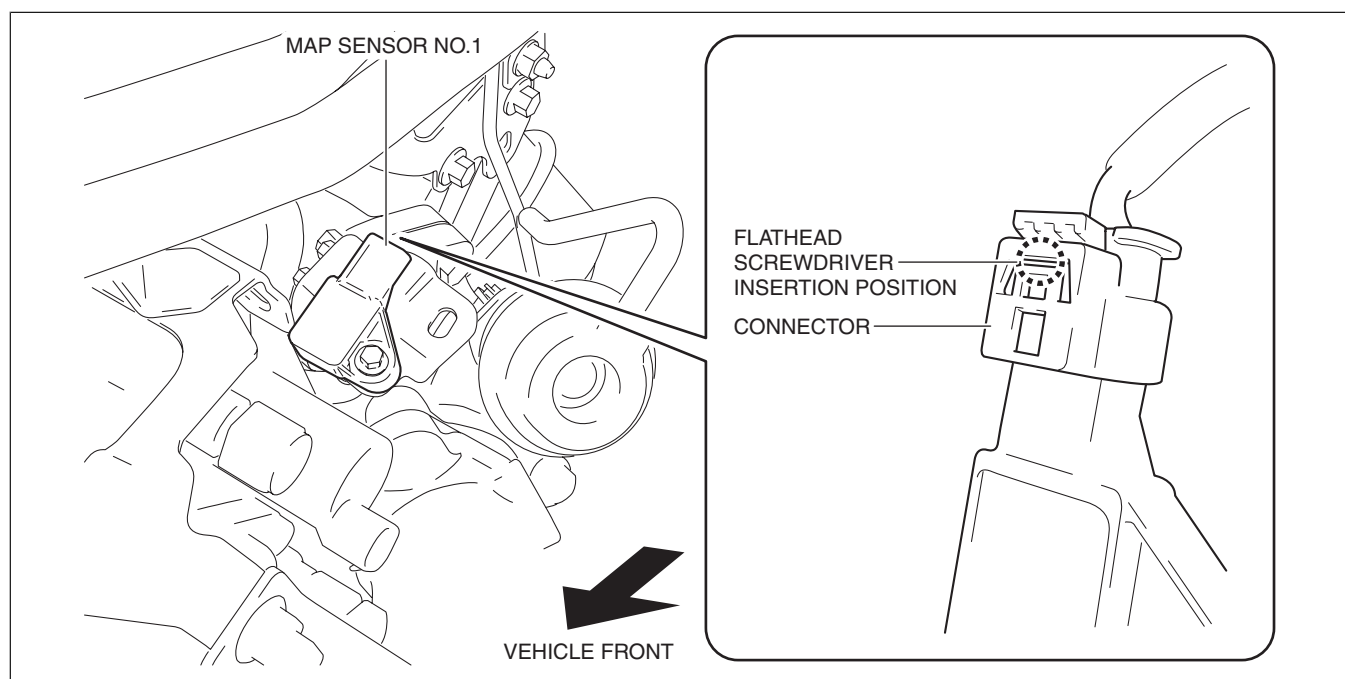
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MAP Sensor No.1

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2. Remove the following parts:
 - (1) Cowl panel (See COWL PANEL REMOVAL/INSTALLATION.)
 - (2) Air cleaner (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
 - (3) Battery and battery tray (See BATTERY REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
 - (4) Air pipe and air hose (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
3. Disconnect the connector for the MAP sensor No.1 using the following procedure:
 - (1) Insert a tape-wrapped flathead screwdriver into the position shown in the figure.

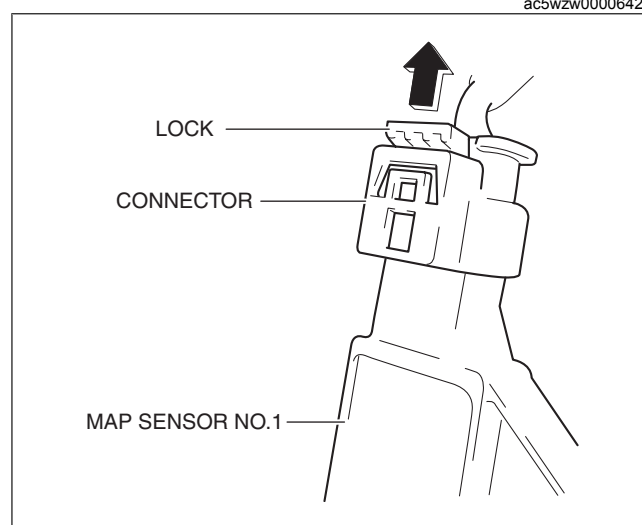
Caution

- Do not apply excessive force when using the flathead screwdriver so as to prevent damage to the connector tab.



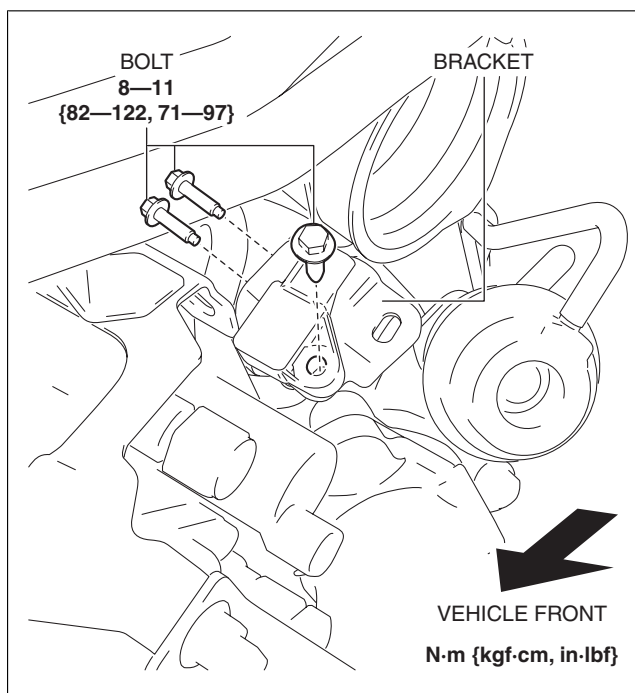
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- (2) Pull out the connector lock in the direction of the arrow.
- (3) Disconnect the connector. (See MAP Sensor No.1 Connector Connection Note.)



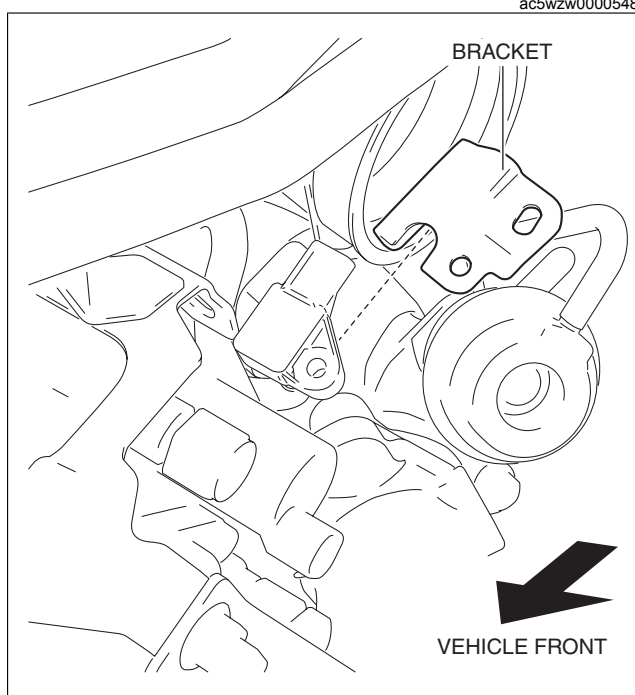
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4. Remove the bolts from the bracket.



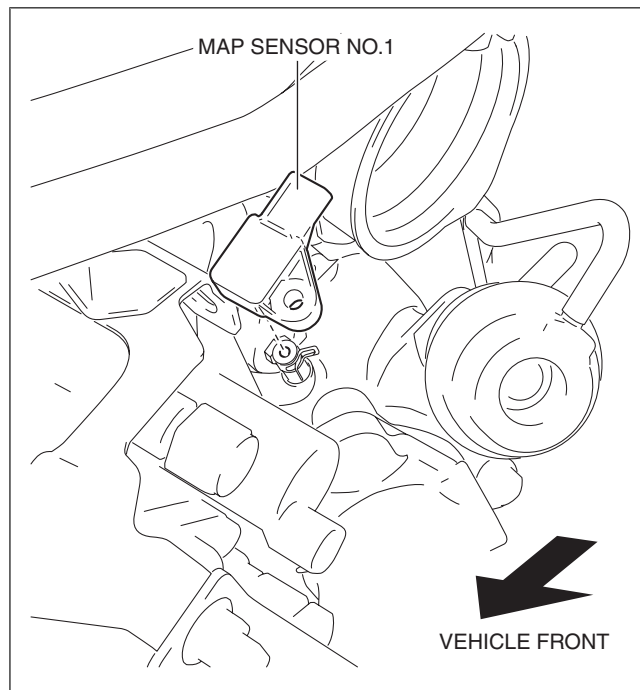
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5. Remove the bracket.



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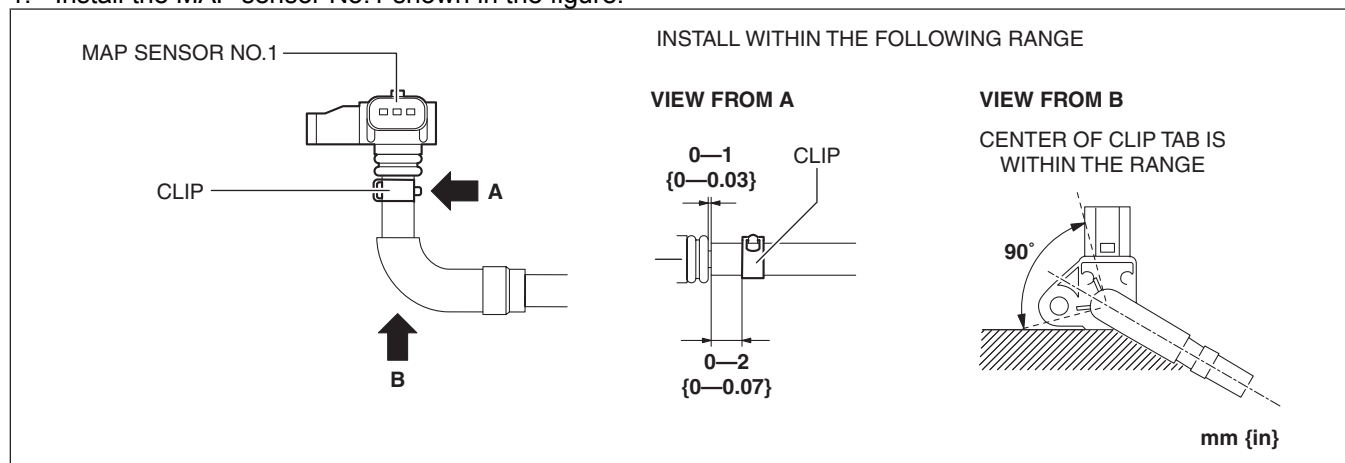
6. Remove the MAP sensor No.1. (See MAP Sensor No.1 Installation Note.)
7. Install in the reverse order of removal.



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MAP Sensor No.1 Installation Note

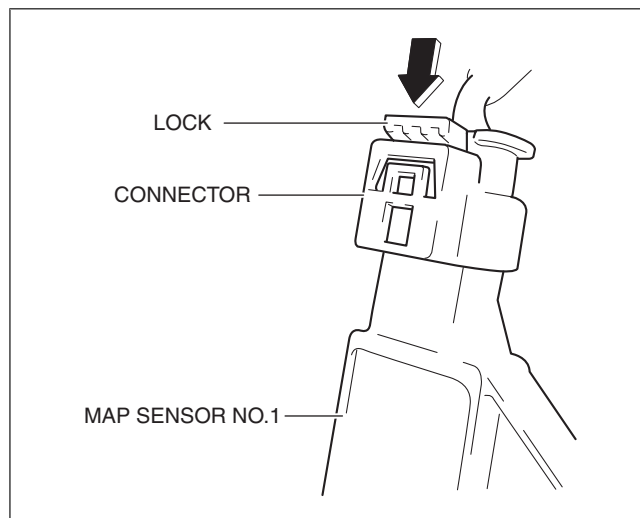
1. Install the MAP sensor No.1 shown in the figure.



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MAP Sensor No.1 Connector Connection Note

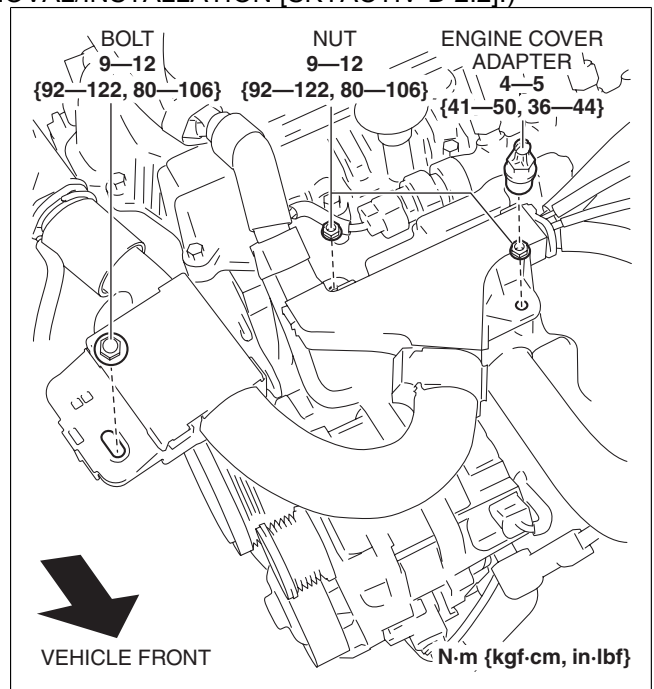
1. Connect the connector for the MAP sensor No.1 and press it in the lock direction of the arrow.



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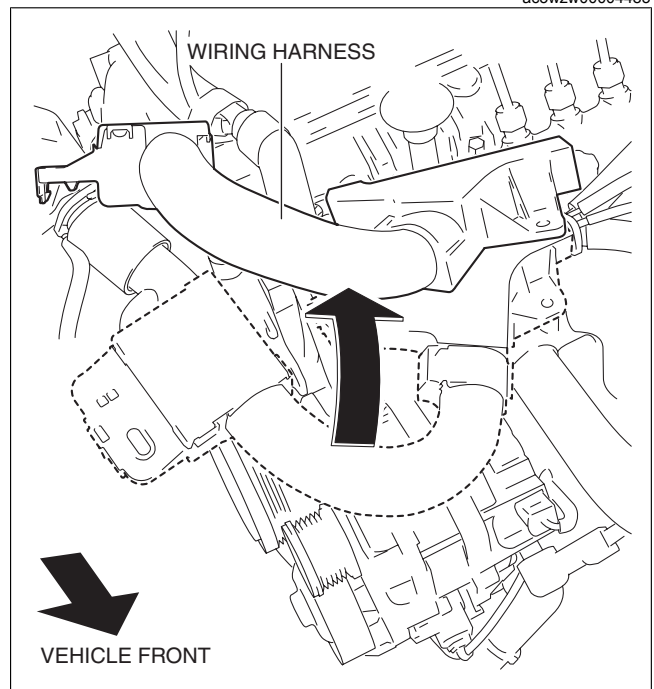
MAP Sensor No.2

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2. Remove the engine cover. (See ENGINE COVER REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
3. Remove the bolt, nuts and engine cover adapter.



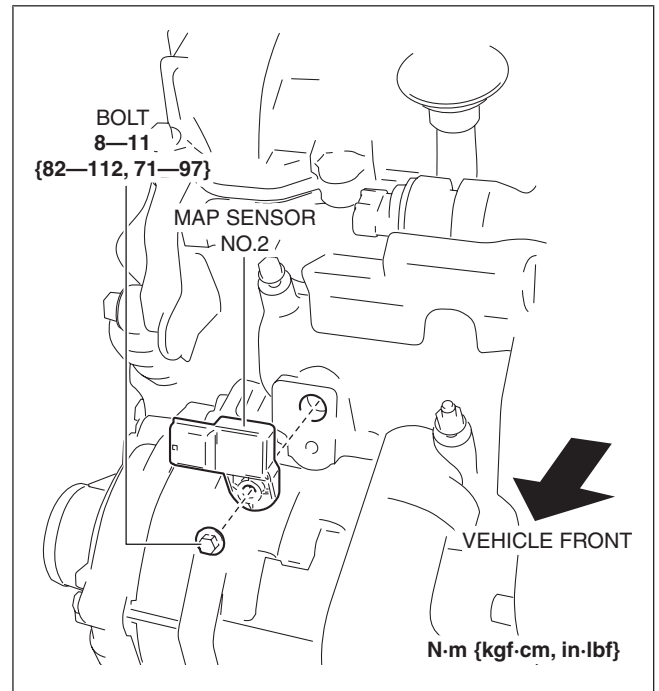
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4. Set the wiring harness aside. (See Protector Installation Note.)
5. Disconnect the MAP sensor No.2 connector.



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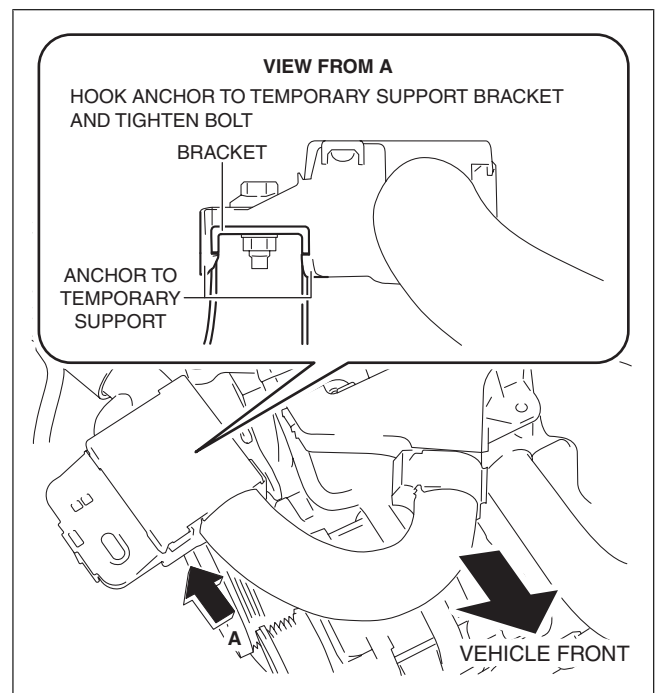
6. Remove the MAP sensor No.2.
7. Install in the reverse order of removal.



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Protector Installation Note

1. Install a protector shown in the figure.



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