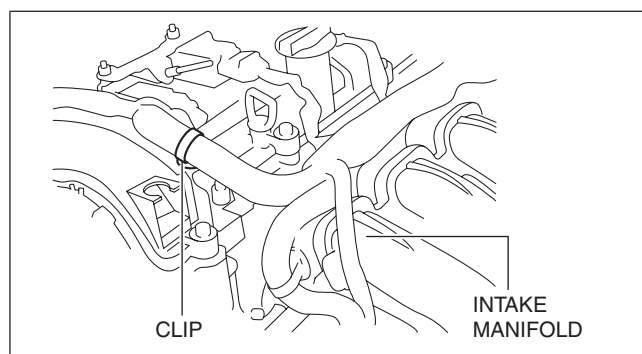


Caution

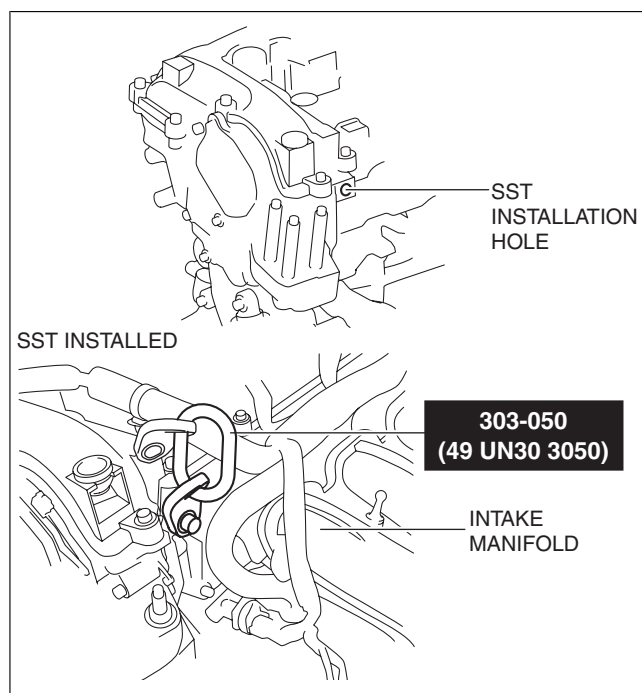
- When the transaxle is installed, do not suspend the engine. Otherwise, the SST installation area of the cylinder head may be damaged due to excess weight. Only suspend the engine after separating the engine and transaxle.
- Applying excessive force (force of 100 N {10.2 kgf, 22.5 lbf} or more) to the electric variable valve timing motor/driver may cause a malfunction. When servicing, be careful not to apply excessive force to the electric variable valve timing motor/driver using other parts or tools.

1. To enable to install the **SST**, disconnect the clip shown in the figure and set the wiring harness aside.



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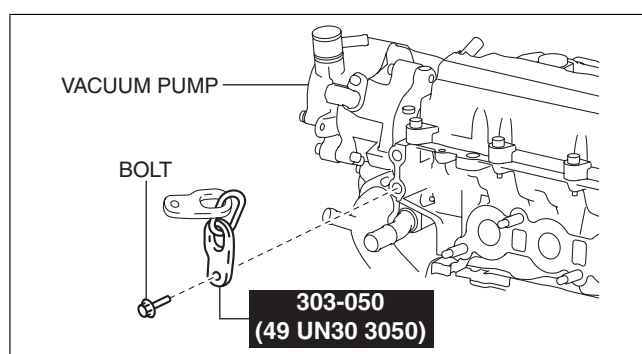
2. Install the **SST** using part number 99794 1025 or an M10 x 1.25, length 25 mm {0.98 in} bolt as shown in the figure.

Engine front side

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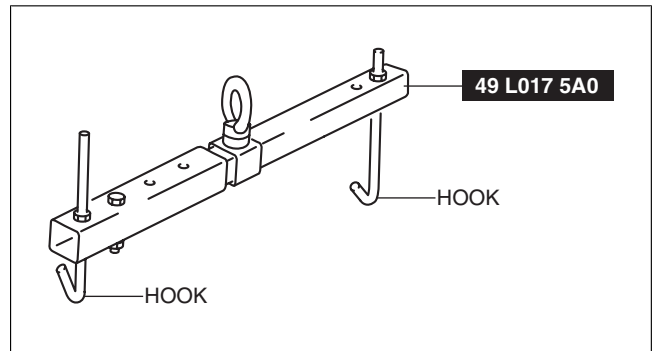
Engine rear side**Tightening torque**

38—51 N·m {3.9—5.2 kgf·m, 29—37 ft·lbf}



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3. Engage the hooks of the **SST (49 L017 5A0)** to the **SST (49 UN30 3050)**.

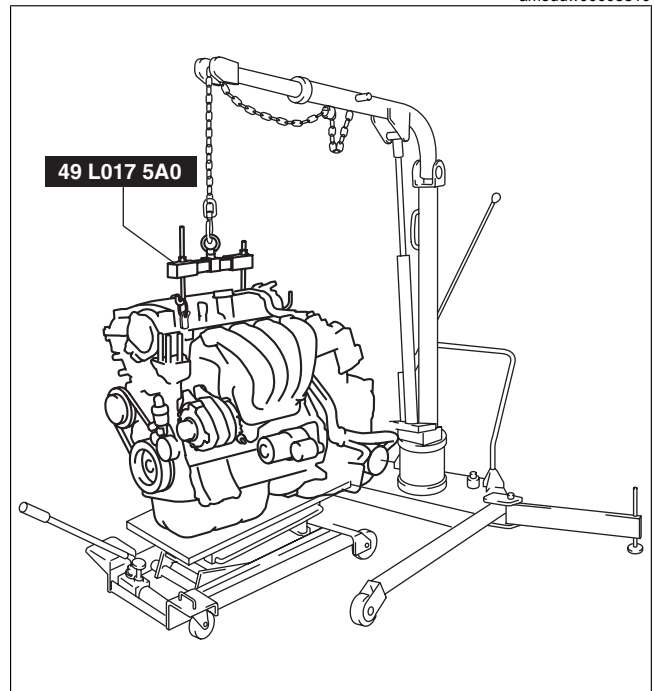


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4. To ensure the safety of the work (control engine and transaxle sway), set a hoist as shown in the figure.

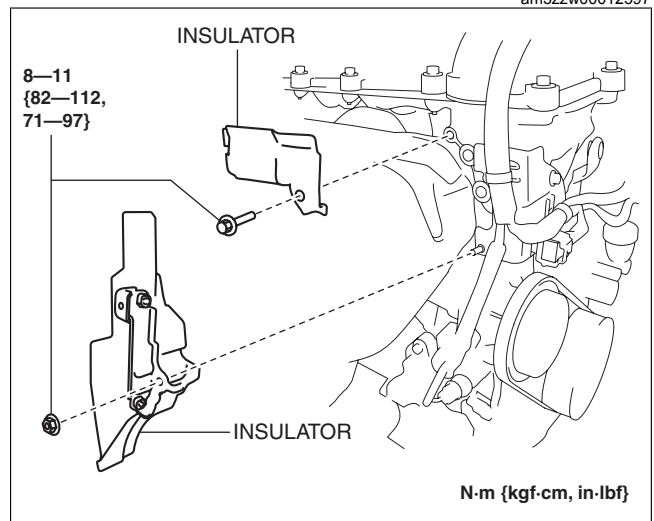
Caution

- Do not lift up the engine.



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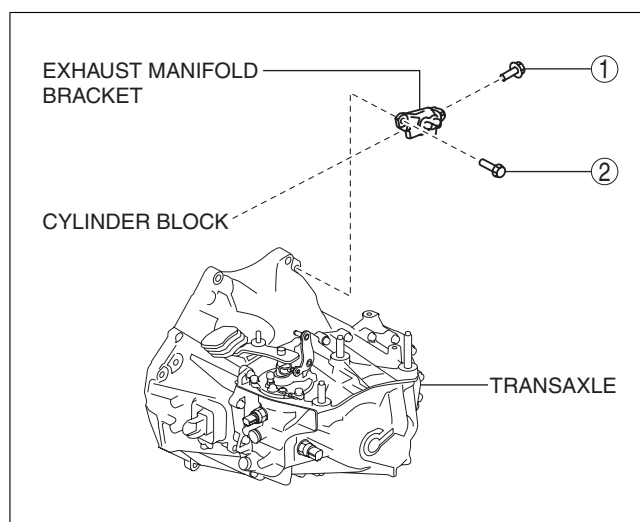
5. Remove the insulator shown in the figure.
6. Remove the exhaust system. (See EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)



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7. Remove the exhaust manifold bracket shown in the figure. (See MANUAL TRANSAXLE REMOVAL/INSTALLATION [C66MX-R] (MTX).) (See AUTOMATIC TRANSAXLE REMOVAL/INSTALLATION [FW6AX-EL] (ATX).)

MTX



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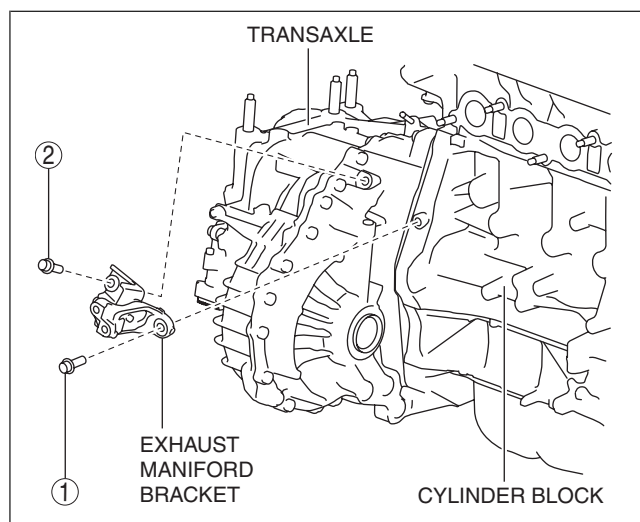
ATX

- When installing, tighten the bolts in the reverse order of removal.

Tightening torque

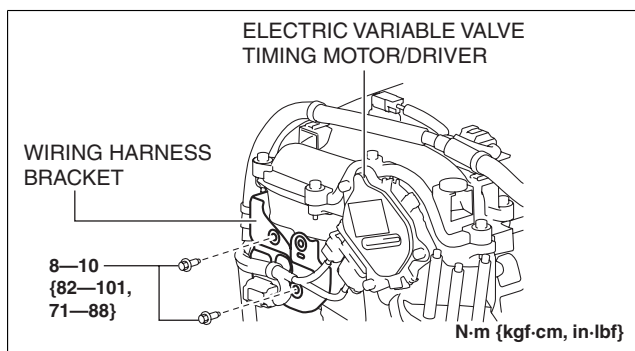
38—51 N·m {3.9—5.2 kgf·m, 29—37 ft·lbf}

- Remove the bracket No.1 (drive shaft bracket). (See FRONT DRIVE SHAFT REMOVAL/INSTALLATION.)
- Remove the transfer bracket and transfer. (4WD) (See TRANSFER REMOVAL/INSTALLATION [C66MX-R] (MTX).) (See TRANSFER REMOVAL/INSTALLATION [FW6AX-EL] (ATX).)
- Remove the starter. (See STARTER REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
- Fix the drive plate using the crankshaft pulley lock bolt. (ATX)
- Remove the torque converter installation nut from the starter installation hole. (See AUTOMATIC TRANSAXLE REMOVAL/INSTALLATION [FW6A-EL] (2WD).) (See AUTOMATIC TRANSAXLE REMOVAL/INSTALLATION [FW6AX-EL] (4WD).)
- Disconnect the engine and transaxle, and lower only the engine from the engine lifter. (See MANUAL TRANSAXLE REMOVAL/INSTALLATION [C66M-R] (MTX, 2WD).) (See MANUAL TRANSAXLE REMOVAL/INSTALLATION [C66MX-R] (MTX, 4WD).) (See AUTOMATIC TRANSAXLE REMOVAL/INSTALLATION [FW6A-EL] (ATX, 2WD).) (See AUTOMATIC TRANSAXLE REMOVAL/INSTALLATION [FW6AX-EL] (ATX, 4WD).)
- Remove the generator. (See GENERATOR REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
- Remove the intake-air system. (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
- Remove the fuel injectors. (See FUEL INJECTOR REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
- Remove the camshaft position (CMP) sensor. (See CAMSHAFT POSITION (CMP) SENSOR REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
- Remove the vacuum pump. (See VACUUM PUMP REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
- Remove the high pressure fuel pump and rear housing. (See HIGH PRESSURE FUEL PUMP REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
- Remove the oil filter. (See OIL FILTER REPLACEMENT [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
- Remove the oil cooler. (if equipped) (See OIL COOLER REMOVAL/INSTALLATION [SKYACTIV-G 2.0].)
- Remove the engine oil solenoid valve. (See ENGINE OIL SOLENOID VALVE REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
- Remove the crankshaft position (CKP) sensor. (See CRANKSHAFT POSITION (CKP) SENSOR REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)

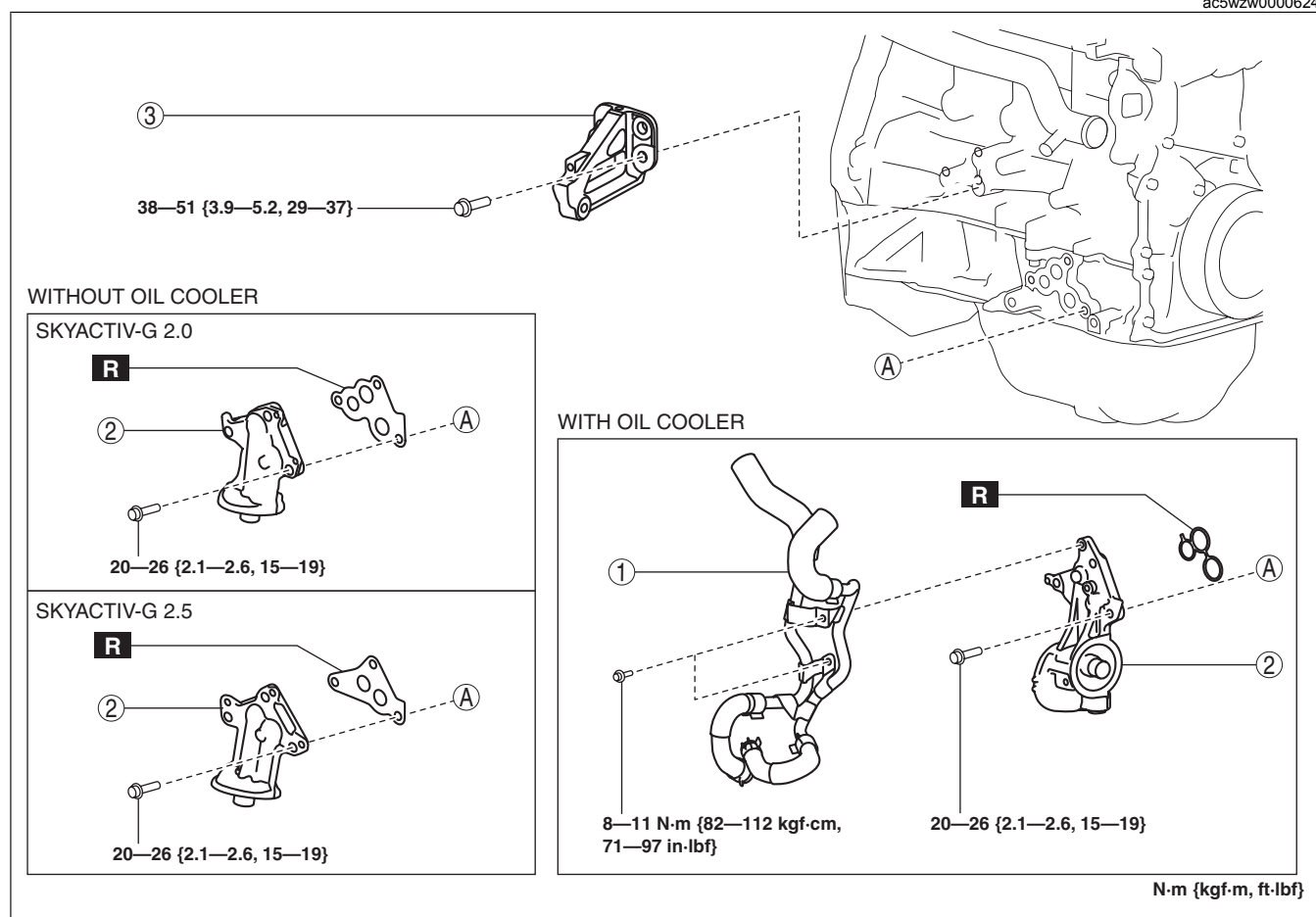


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24. Remove the ignition coil/ion sensors. (See IGNITION COIL/ION SENSOR REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
25. Remove the wiring harness bracket shown in the figure.
26. Remove the emission harness.
27. Remove the water pump drive belt. (See DRIVE BELT REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
28. Remove the clutch cover and clutch disc. (MTX) (See CLUTCH UNIT REMOVAL/INSTALLATION [C66M-R, C66MX-R].)
29. Remove in the order indicated in the table
30. Assemble in the reverse order of disassembly.



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ac5wzw00006242

1	Oil cooler water pipe component (with oil cooler) (See Oil Cooler Water Pipe Component Installation Note.)
2	Oil filter body (See Oil Filter Body Installation Note.)

3	Exhaust manifold bracket (2WD) (See Exhaust Manifold Bracket Installation Note.)
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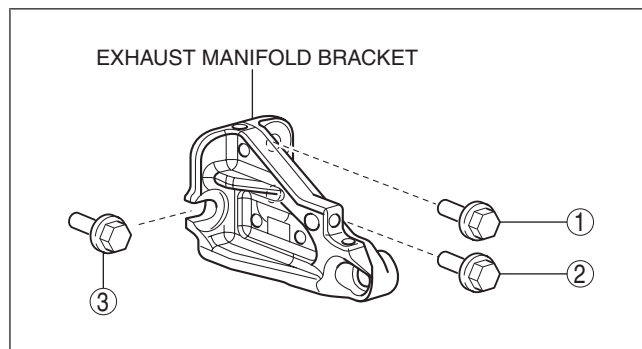
Exhaust Manifold Bracket Installation Note

A type

1. Temporarily tighten the bolt (3) shown in the figure, insert the exhaust manifold bracket from the side, and temporarily install the exhaust manifold bracket.
2. Temporarily tighten the bolt (1) shown in the figure.
3. Temporarily tighten the bolt (2) shown in the figure.
4. Tighten the bolt in the order shown in the figure.

Tightening torque

38—51 N·m {3.9—5.2 kgf·m, 29—37 ft·lbf}



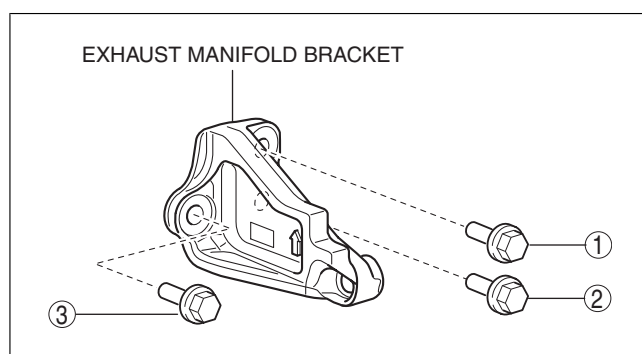
ac5uuw00001658

B type

1. Temporarily tighten the bolt (1) shown in the figure.
2. Temporarily tighten the bolt (2) shown in the figure.
3. Temporarily tighten the bolt (3) shown in the figure.
4. Tighten the bolt in the order shown in the figure.

Tightening torque

38—51 N·m {3.9—5.2 kgf·m, 29—37 ft·lbf}



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Oil Filter Body Installation Note

Note

- The tightening order of the three bolts is optional.

1. After tightening the three bolts, tighten the first tightened bolt to the specified tightening torque again.

Tightening torque

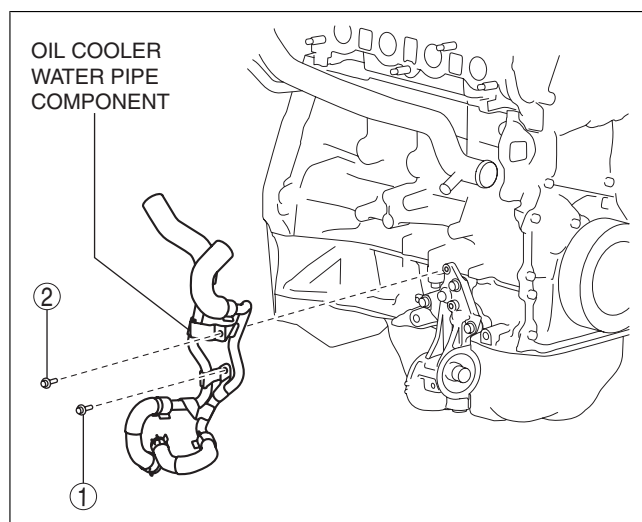
20—26 N·m {2.1—2.6 kgf·m, 15—19 ft·lbf}

Oil Cooler Water Pipe Component Installation Note

1. Install the oil cooler water pipe component in the order shown in the figure.

Tightening torque

8—11 N·m {82—112 kgf·cm, 71—97 in·lbf}



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