TRANSMISSION REMOVAL/INSTALLATION [Y16M-D]

BHE051101025W07

1. Remove the engine cover.

(See ENGINE COVER REMOVAL/INSTALLATION.)

2. Remove the battery cover.

3. Disconnect the negative battery cable.

4. Drain the transmission oil.

(See TRANSMISSION OIL REPLACEMENT [Y16M-D].)

5. Remove in the order indicated in the table.

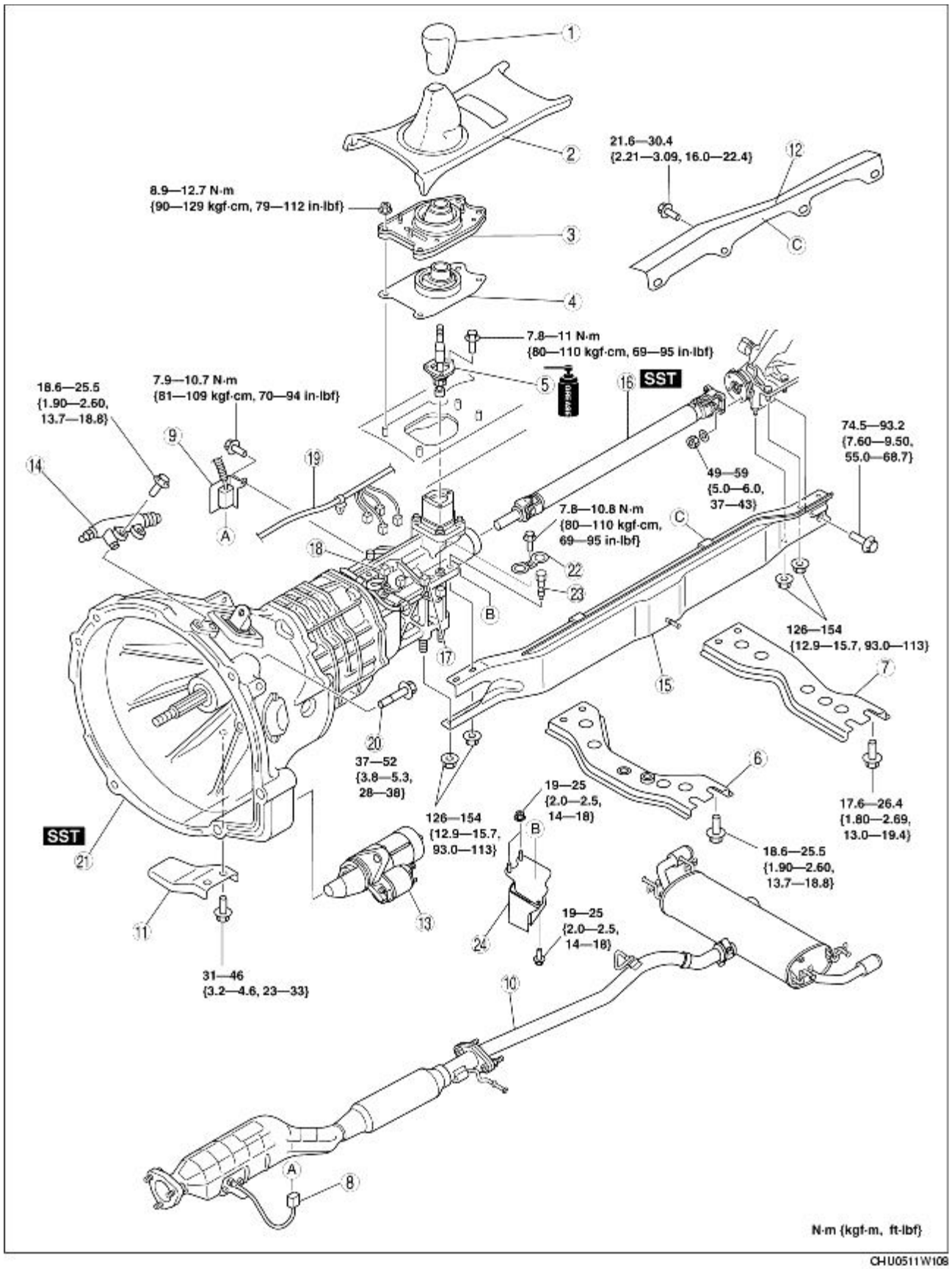
6. Install in the reverse order of removal.

7. Add transmission oil.

(See TRANSMISSION OIL REPLACEMENT [Y16M-D].)

8. Perform the 'INSPECTION AFTER TRANSMISSION INSTALLATION', and verify that there is no malfunction.

(See INSPECTION AFTER TRANSMISSION INSTALLATION [Y16M-D].)



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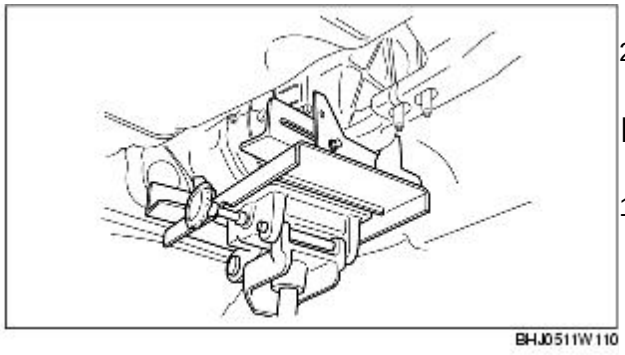
1	Shift lever knob

2	Upper panel
3	Shift insulator component (outer)
4	Shift insulator component (inner)
5	Shift lever component (See Shift Lever Component Installation Note.)
6	Front tunnel member
7	Rear tunnel member
8	Heated oxygen sensor connector
9	Heated oxygen sensor connector bracket
10	Catalytic converter, middle pipe, main silencer (See EXHAUST SYSTEM REMOVAL/INSTALLATION.)
11	Exhaust manifold stay
12	Heat insulator
13	Starter (See STARTER REMOVAL/INSTALLATION.)
14	Clutch release cylinder (See CLUTCH RELEASE CYLINDER REMOVAL/INSTALLATION.)
15	Power plant frame (See Power Plant Frame Removal Note.) (See Power Plant Frame Installation Note.)
16	Propeller shaft (See Propeller Shaft Removal Note.) (See PROPELLER SHAFT REMOVAL/INSTALLATION.)
17	Back-up light switch connector
18	Neutral switch connector
19	Wire
20	Transmission installation bolt
21	Transmission (See Power Plant Frame Removal Note.) (See Power Plant Frame Installation Note.)
22	Stopper
23	Bolt
24	Dynamic damper

Power Plant Frame Removal Note

1. Support the transmission using a transmission jack.

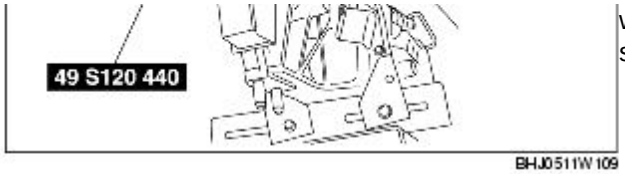


2. Remove the power plant frame.

Propeller Shaft Removal Note

1. Install the **SST** to the main shaft.

2. Insert a slab of



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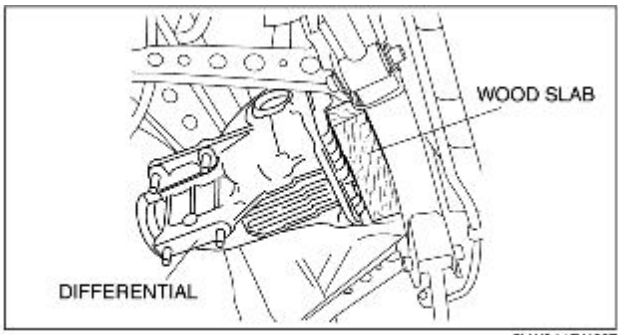
wood behind the rear differential, and remove the propeller shaft.



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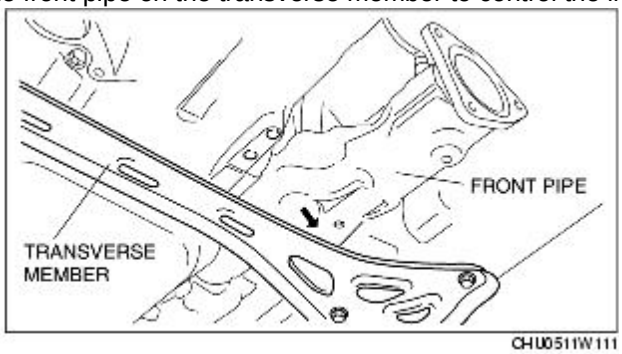
Transmission Removal Note

Warning

• Remove the transmission carefully, holding it steady. If the transmission falls it could be damaged or cause injury.

Caution

• To prevent part interference in the engine compartment, position the installation part of the exhaust manifold stay of the front pipe on the transverse member to control the inclination of the transmission under its own weight.



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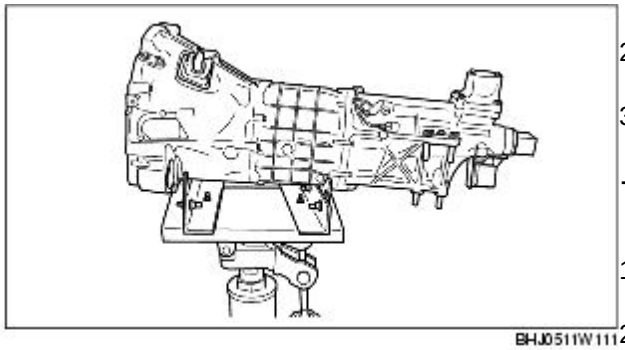
1. Support the transmission securely using a transmission jack.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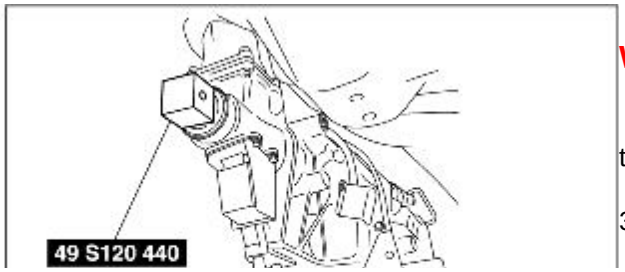
2. Remove the transmission installation bolt.

3. Remove the transmission.

Transmission Installation Note

1. Shift to any gear position.

2. Install the **SST** to the main shaft.



Warning

• Remove the transmission carefully, holding it steady. If the transmission falls it could be damaged or cause injury.

3. Place the transmission on the transmission jack and raise it.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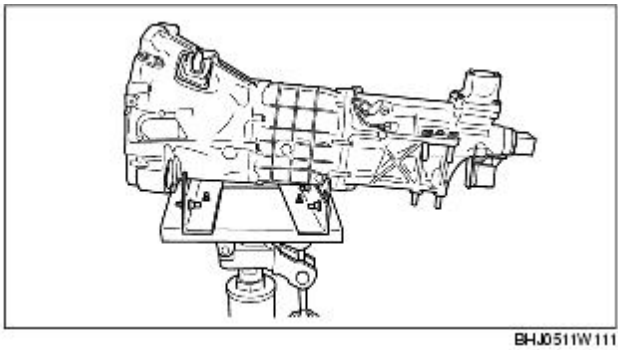
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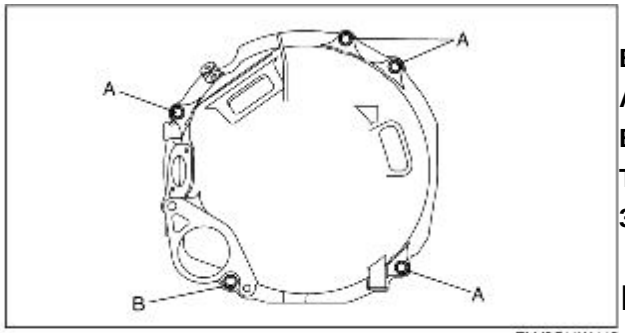
Note

• Slowly rotate the **SST** to engage the clutch with the main drive gear spline, and install the transmission.

4. Install the transmission.

5. Tighten the transmission installation bolt.



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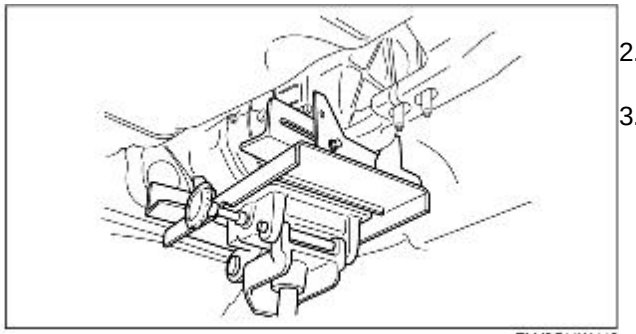
Bolt length
A: 55 mm {2.1 in}
B: 90 mm {3.5 in}
Tightening torque
37-52 N·m {3.8-5.3 kgf·m, 28-38 ft·lbf}

Power Plant Frame Installation Note

1. Support the transmission using a transmission jack.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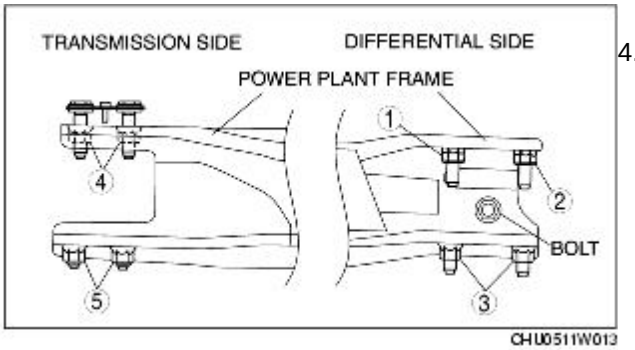
2. Install the power plant frame.

3. Temporarily tighten the nuts in the order shown in the figure.



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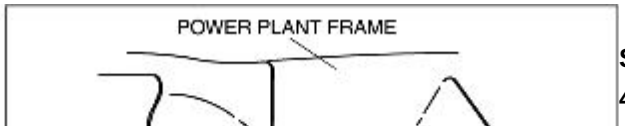
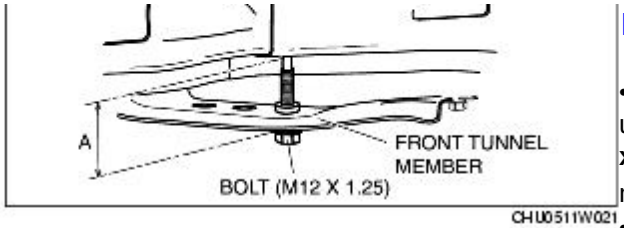
4. Tighten nut 1 until the power plant frame is seated in the rear differential.

5. Install the heat insulator, exhaust manifold stay, exhaust pipe, silencer and front tunnel member.

6. Raise the front end of the power plant frame (transmission side) with the transmission jack and adjust dimension A to the standard (lower end of power plant frame-lower end of the front tunnel member) as shown in the figure.



Standard dimension A
48.4-56.4 mm {1.91-2.22 in}



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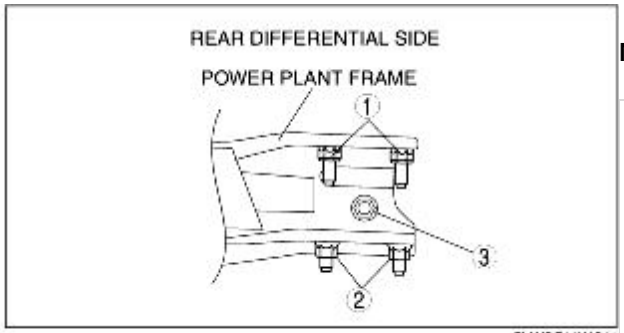
Note

• When raising power plant frame without a transmission jack, use bolts with a thread length of **55 mm {2.16 in}** or more **(M12 x 1.25)**. Tighten bolts from the underside of the front tunnel member as shown in the figure and raise power plant frame.
• When using bolts, the undersurface of the power plant frame could be damaged. Wrap tape to the undersurface of the frame to prevent damage.

7. Tighten the nuts and bolts on the rear differential side in the order shown in the figure.



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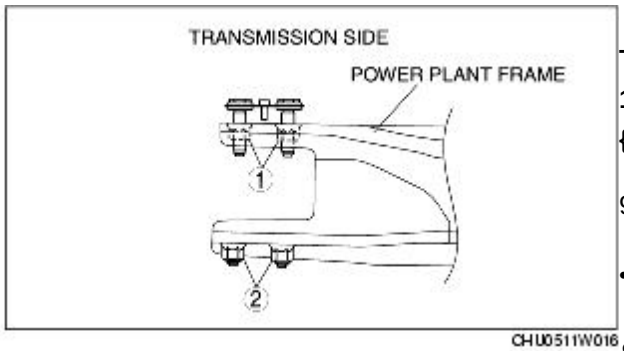
N·m {kgf·m, ft·lbf}

Bolt, nut number	Tightening torque
1, 2	**126.0-154.0 {12.9-15.7, 93.0-113}**
3	**74.5-93.2 {7.60-9.50, 55.0-68.7}**

8. Tighten the nuts on the rear differential side in the order shown in the figure.



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Tightening torque
126.0-154.0 N·m
{12.9-15.7 kgf·m, 93.0-113 ft·lbf}

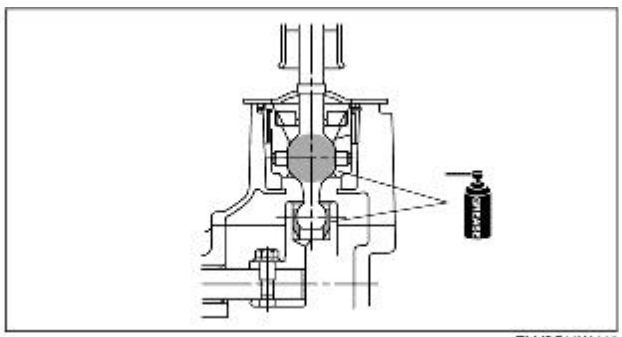
9. Verify again that dimension A is within the specification.

• If it is not within the specification, adjust dimension A again.

Shift Lever Component Installation

Note

1. Apply grease to the areas of the shift lever component as shown in the figure.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