

AUTOMATIC TRANSAXLE REMOVAL/INSTALLATION [LF]

B3E051700000W01

1. Remove the battery duct and battery cover. (See [BATTERY REMOVAL/INSTALLATION \[LF\]](#).)
2. Disconnect the negative battery cable.
3. Remove the following parts.
 - (1) Battery, battery tray and battery box. (See [BATTERY REMOVAL/INSTALLATION \[LF\]](#).)
 - (2) Air cleaner component. (See [INTAKE-AIR SYSTEM REMOVAL/INSTALLATION \[LF\]](#).)
 - (3) Exhaust manifold insulator.
 - (4) Front tires and splash shield.
 - (5) Under cover.
4. Drain the ATF. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) REPLACEMENT](#).)

Warning

- Improperly jacking a transaxle is dangerous. It can slip off the jack and may cause serious injury.

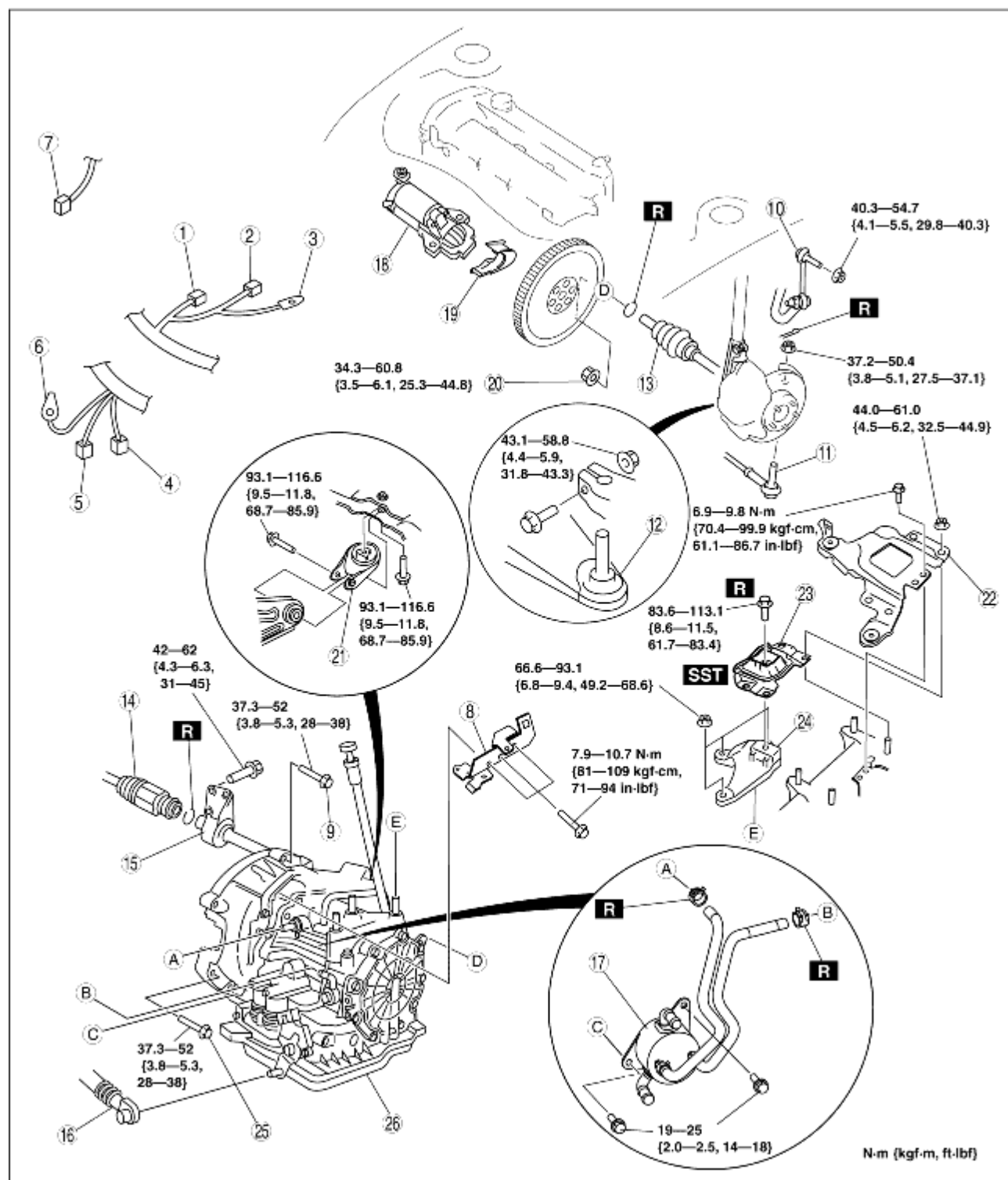
Caution

- To prevent the torque converter and transaxle from separating, remove the transaxle without tilting it toward the torque converter.

5. Remove in the order indicated in the table.
6. Install in the reverse order of removal.
7. Add ATF to the specified level. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) REPLACEMENT](#).)
8. Perform the following test. (See [MECHANICAL SYSTEM TEST](#).) (See [ROAD TEST](#).)

Service item	Test item			
	Line pressure test	Stall test	Time lag test	Road test
ATX replacement	X			
ATX overhaul	X	X	X	X
Torque converter replacement	X	X		
Oil pump replacement	X			
Clutch system replacement	X		X	X

X : Test to be performed after the service work



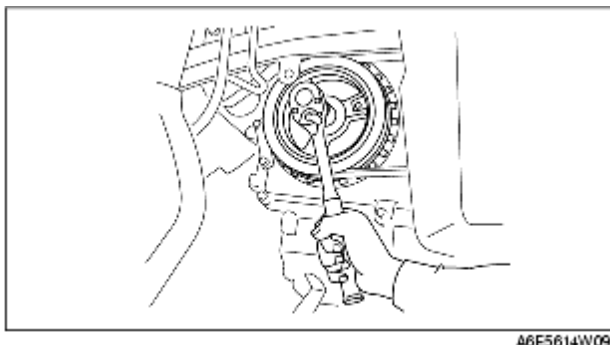
B3E0517W094

1	Input/turbine speed sensor connector
2	VSS connector
3	GND wiring harness
4	Transaxle connector
5	TR switch connector
6	GND wiring harness
7	Oil pressure switch connector (for oil filter)

8	Harness bracket
9	Transaxle mounting bolt (upper side)
10	Stabilizer control link
11	Tie-rod end ball joint (See STEERING GEAR AND LINKAGE REMOVAL/INSTALLATION.)
12	Lower arm ball joint (See FRONT LOWER ARM REMOVAL/INSTALLATION.)
13	Drive shaft (See DRIVE SHAFT REMOVAL/INSTALLATION.)
14	Drive shaft (See DRIVE SHAFT REMOVAL/INSTALLATION.)
15	Joint shaft (See JOINT SHAFT REMOVAL/INSTALLATION.)
16	Selector cable
17	Oil cooler (See OIL COOLER REMOVAL/INSTALLATION (AUTOMATIC TRANSAXLE) [LF].)
18	Starter (See STARTER REMOVAL/INSTALLATION [LF].)
19	End plate cover
20	Torque converter installation nuts (See Torque Converter Nuts Removal Note.) (See Torque Converter Nuts Installation Note.)
21	No.1 engine mount rubber (See No.1 Engine Mount and No.4 Engine Mount Installation Note.)
22	Battery tray bracket
23	No.4 engine mount rubber (See No.4 Engine Mount Removal Note.) (See No.1 Engine Mount and No.4 Engine Mount Installation Note.)
24	No.4 engine mount bracket (See No.4 Engine Mount Removal Note.) (See No.1 Engine Mount and No.4 Engine Mount Installation Note.)
25	Transaxle mounting bolt (lower side)
26	Transaxle (See Transaxle Removal Note.) (See Transaxle Installation Note.)

Torque Converter Nuts Removal Note

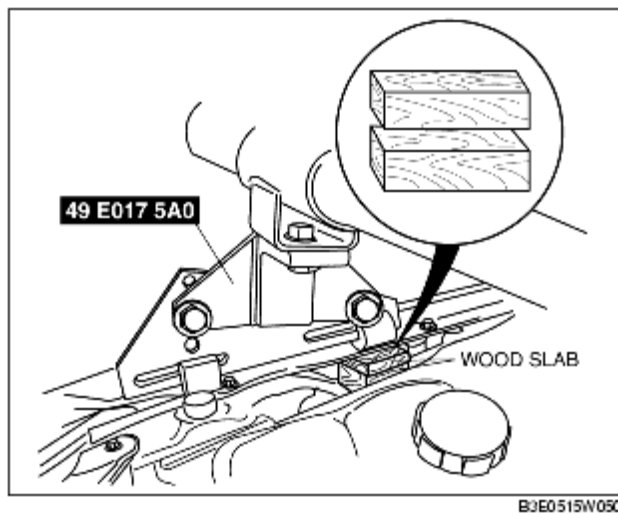
1. Hold the crankshaft pulley to prevent the drive plate from rotating.



2. Remove the torque converter nuts from the starter installation hole.

No.4 Engine Mount Removal Note

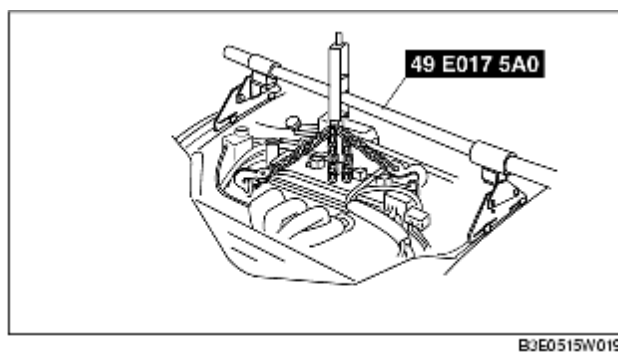
1. To prevent crushing the front fender panel, insert a wood slab of appropriate size between the front fender panel and upper apron reinforcement.



Note

- Wood slab height
4 door: approx. 35 mm {1.4 in}
5 door: approx. 60 mm {2.4 in}

2. Support the engine using the **SST**.

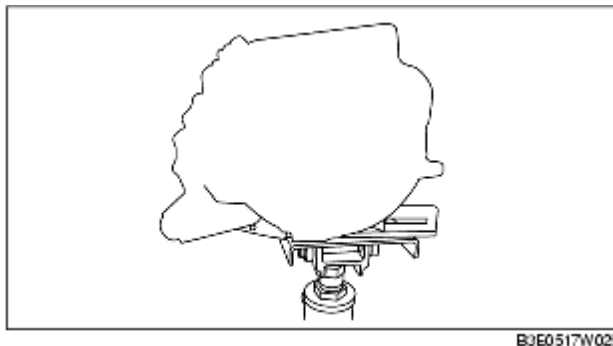


3. Remove the battery tray bracket, No.4 engine mount rubber and bracket.

Transaxle Removal Note

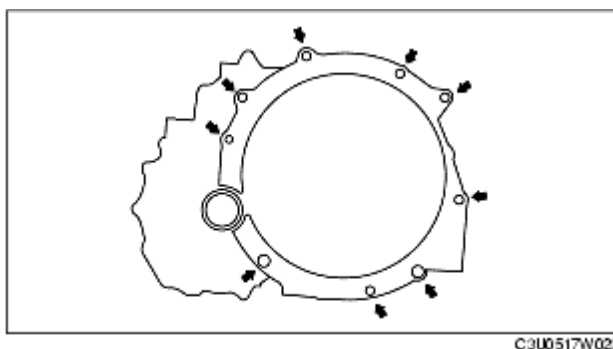
1. Loosen the part marked A and lean the engine toward the transaxle.

2. Support the transaxle on a jack.
3. Remove the transaxle mounting bolts.
4. Remove the transaxle.



Transaxle Installation Note

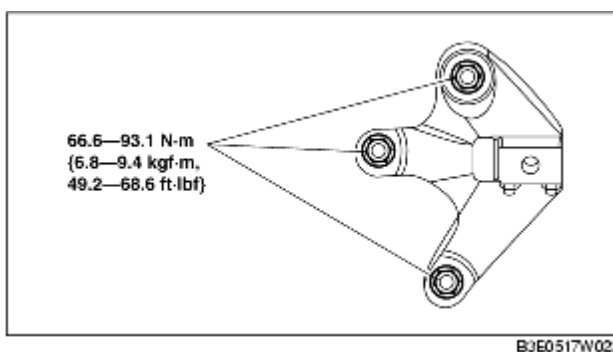
1. Set the transaxle on a jack and lift it.
2. Install the transaxle mounting bolts.



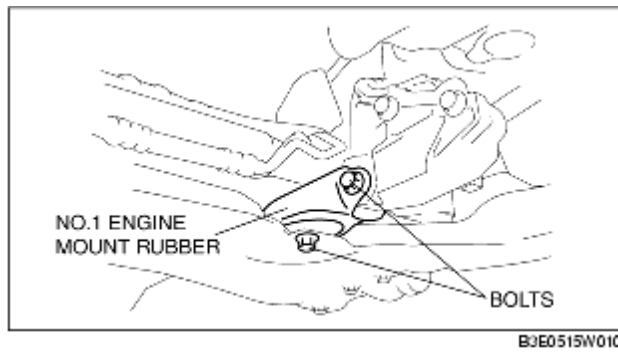
Tightening torque
37.3-52.0 N·m
{3.8-5.3 kgf·m, 27.5-38.3 ft·lbf}

No.1 Engine Mount and No.4 Engine Mount Installation Note

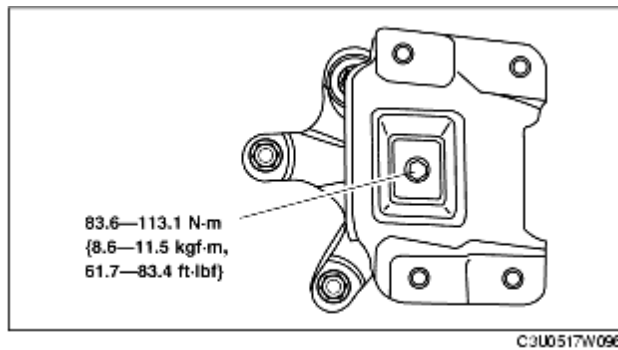
1. Install the No.4 engine mount bracket on the transaxle case and tighten nuts.



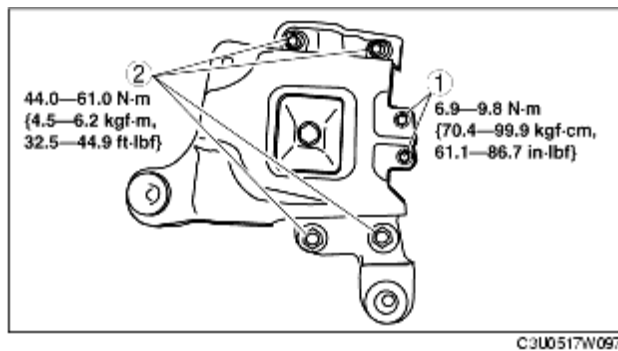
2. Install the No.1 engine mount rubber to the crossmember and temporarily tighten bolts.



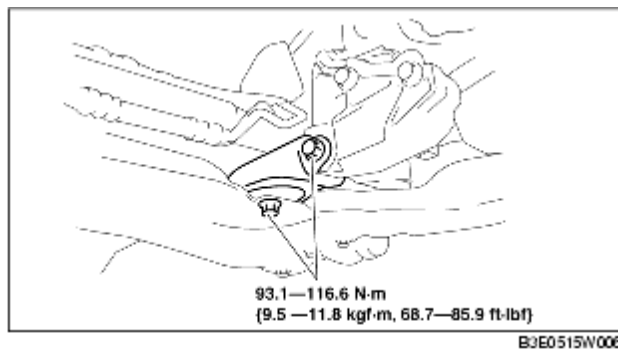
3. Place the No.4 engine mount rubber with the body stud bolts passing through the holes and tighten the new bolt as shown in the figure.



4. Place the battery tray bracket on the No.4 engine mount rubber with body stud bolts passing through the holes and tighten bolts and nuts in the order as shown in the figure.



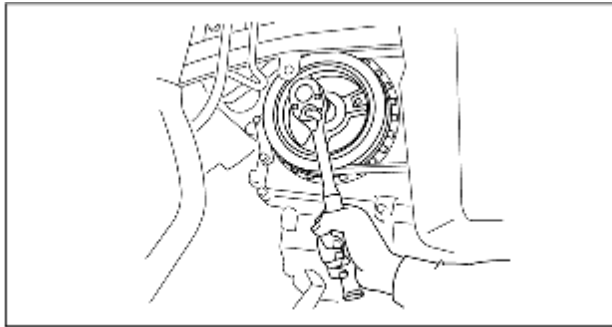
5. Fully tighten the bolts



6. Remove the **SSTs**.

Torque Converter Nuts Installation Note

1. Hold the crankshaft pulley to prevent the drive plate from rotating.

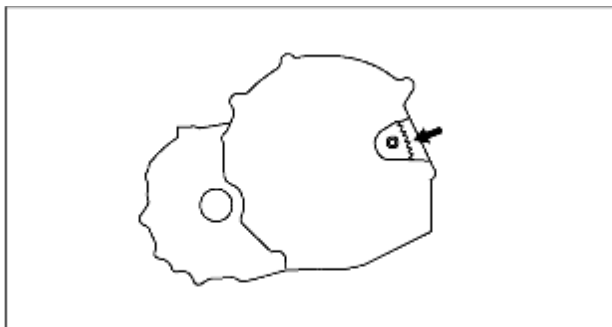


A6E5614W091

Caution

- Loosely and equally tighten the torque converter nuts, then further tighten them to the specified tightening torque.

2. Tighten the torque converter mounting nuts.



A6E5614W092

Tightening torque
34.3-60.8 N·m
{3.5-6.1 kgf·m, 25.3-44.8 ft·lbf}