

# AUTOMATIC TRANSAXLE REMOVAL/INSTALLATION

## [Z6]

B3E051701030W01

1. Remove the battery cover. (See [BATTERY REMOVAL/INSTALLATION \[ZJ, Z6\].](#))
2. Disconnect the negative battery cable.
3. Remove the battery, battery tray and battery box. (See [BATTERY REMOVAL/INSTALLATION \[ZJ, Z6\].](#))
4. Remove the air cleaner component. (See [INTAKE-AIR SYSTEM REMOVAL/INSTALLATION \[ZJ, Z6\].](#))
5. Remove the EGR pipe.
6. Remove the front tires and splash shield.
7. Remove the under cover.
8. 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.

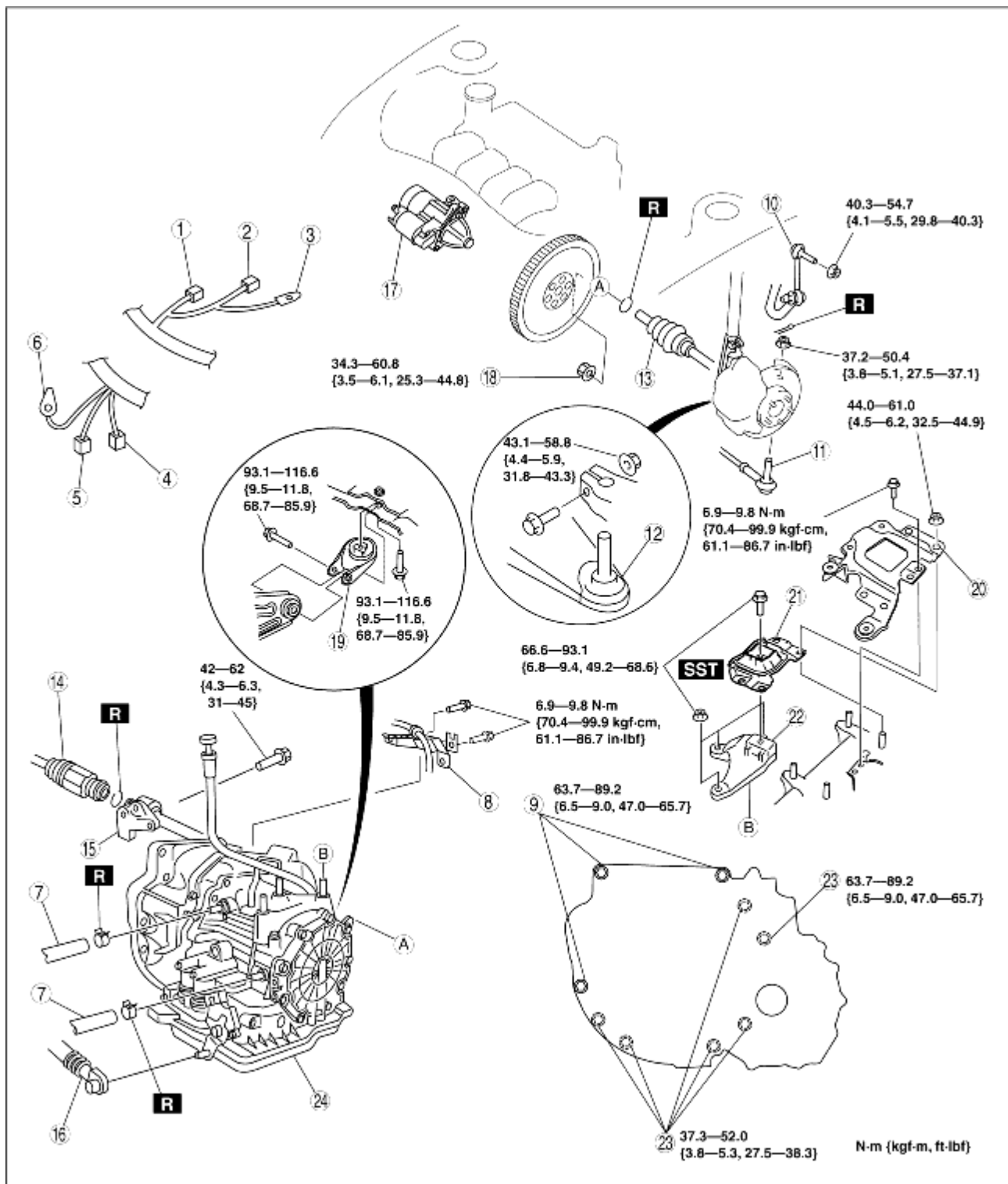
### Caution

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

9. Remove in the order indicated in the table.
10. Install in the reverse order of removal.
11. Add ATF to the specified level. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) REPLACEMENT.](#))
12. Perform the mechanical system test. (See [MECHANICAL SYSTEM 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 : Test to be performed after the service work



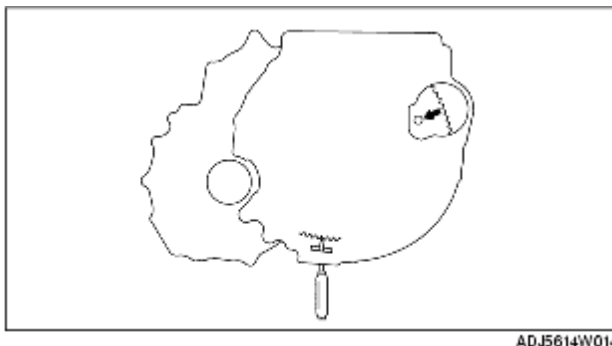
B3E0517W022

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 hose

8	Selector cable bracket
9	Transaxle mounting bolt (upper side)
10	Stabilizer control link
11	Tie-rod end ball joint (See <a href="#">STEERING GEAR AND LINKAGE REMOVAL/INSTALLATION.</a> )
12	Lower arm ball joint
13	Drive shaft (See <a href="#">DRIVE SHAFT REMOVAL/INSTALLATION.</a> )
14	Drive shaft (See <a href="#">DRIVE SHAFT REMOVAL/INSTALLATION.</a> )
15	Joint shaft (See <a href="#">JOINT SHAFT REMOVAL/INSTALLATION.</a> )
16	Selector cable
17	Starter (See <a href="#">STARTER REMOVAL/INSTALLATION [ZJ, Z6].</a> )
18	Torque converter installation nuts (See <a href="#">Torque Converter Nuts Removal Note.</a> ) (See <a href="#">Torque Converter Nuts Installation Note.</a> )
19	No.1 engine mount rubber (See <a href="#">No.1 Engine Mount and No.4 Engine Mount Installation Note.</a> )
20	Battery tray bracket
21	No.4 engine mount rubber (See <a href="#">No.4 Engine Mount Removal Note.</a> ) (See <a href="#">No.1 Engine Mount and No.4 Engine Mount Installation Note.</a> )
22	No.4 engine mount bracket (See <a href="#">No.4 Engine Mount Removal Note.</a> ) (See <a href="#">No.1 Engine Mount and No.4 Engine Mount Installation Note.</a> )
23	Transaxle mounting bolt (lower side)
24	Transaxle (See <a href="#">Transaxle Removal Note.</a> ) (See <a href="#">Transaxle Installation Note.</a> )

## Torque Converter Nuts Removal Note

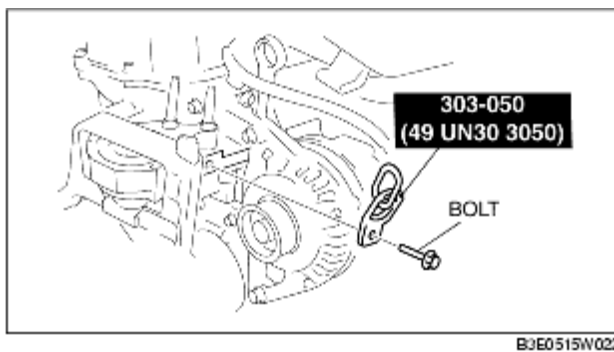
1. Using the flathead screwdriver, lock the drive plate.
2. Remove the torque converter nuts from the starter installation hole.



## No.4 Engine Mount Removal Note

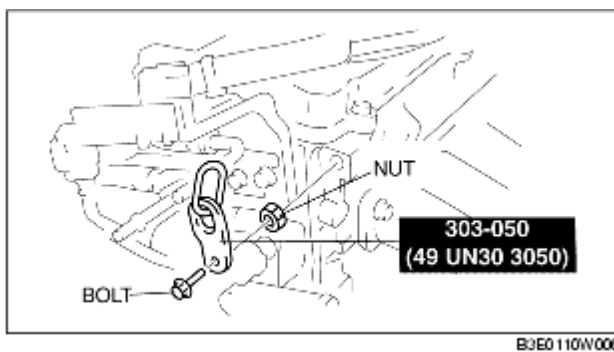
1. Remove the P/S reserve tank and coolant reserve tank with the hose still connected.

2. Using the bolts **part number 99794 1025** or **M10× 1.25, length 25 mm {0.98 in}** to install the **SST** to the position as shown in the figure.



### Caution

- When attaching the SST in the engine rear side, install a suitable nut between the engine and the SST.

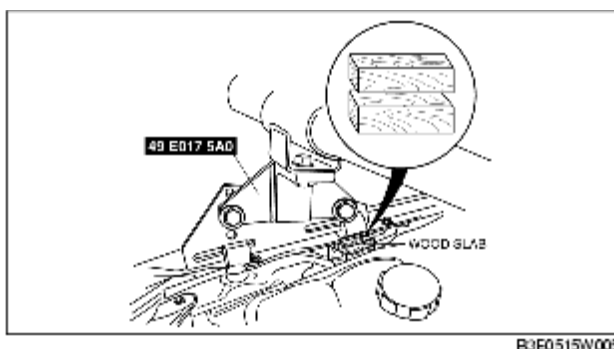


### Tightening torque

**38-51 N·m**

**{3.9-5.2 kgf·m, 29-37 ft·lbf}**

3. Insert a wood slab of appropriate size between the front fender panel and upper apron reinforcement.



### Note

- Wood slab height  
**4SD : approx. 35 mm {1.4 in}**  
**5HB : approx. 60 mm {2.4 in}**
- Cut the wood slab into two pieces and insert.

4. Support the engine using the **SST**.

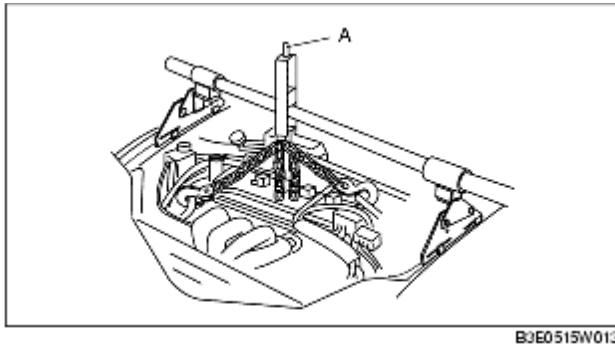
### Note

- A hoist or small crane can be used in place of the **SST** (49 E017 5A0).

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

### Transaxle Removal Note

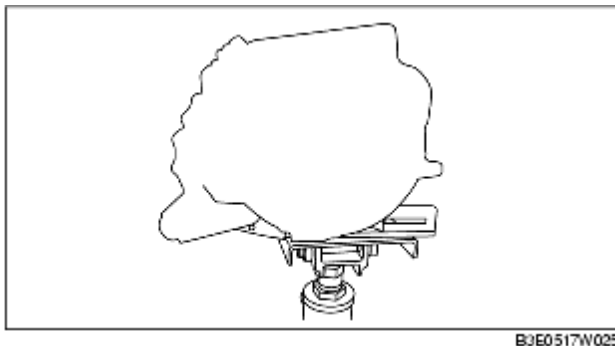
1. Loosen the part marked A and lean the engine toward the transaxle.



2. Support the transaxle on a jack.

3. Remove the transaxle mounting bolts.

4. Remove the transaxle.



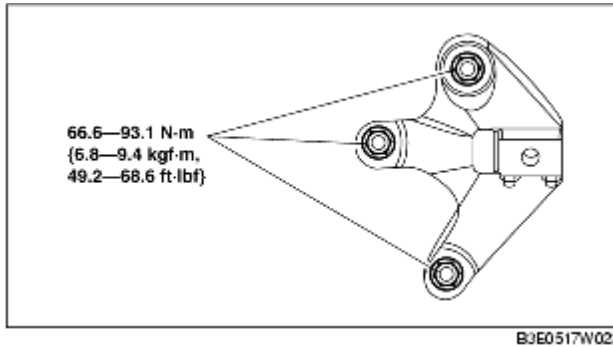
### Transaxle Installation Note

1. Set the transaxle on a jack and lift it.

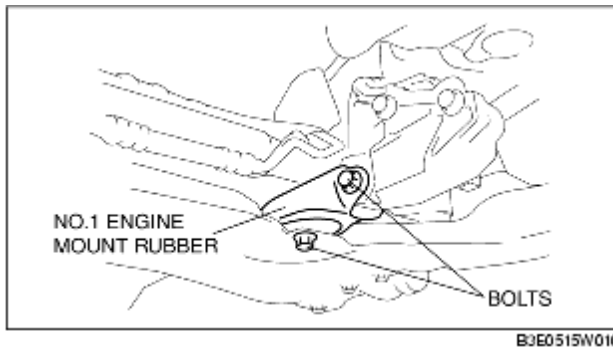
2. Install the transaxle mounting bolts.

**Tightening torque****A: 63.7-89.2 N·m****{6.5-9.0 kgf·m, 47.0-65.7 ft·lbf}****B: 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**

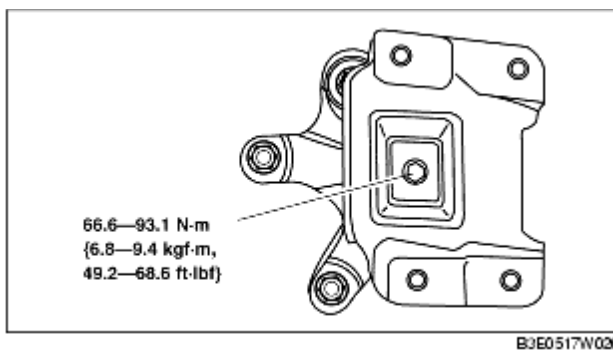
1. Install the No.4 engine mount bracket on the transaxle case and tighten nuts.



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

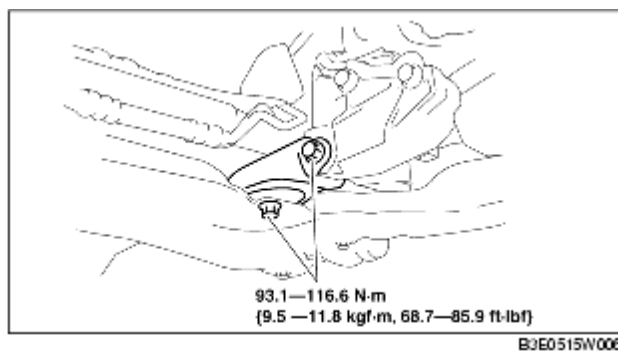


3. Place the No.4 engine mount rubber with the body stud bolts passing through the holes and tighten the bolt as shown in the figure.



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 as shown in the figure.

5. Fully tighten the bolts



6. Remove the SSTs.

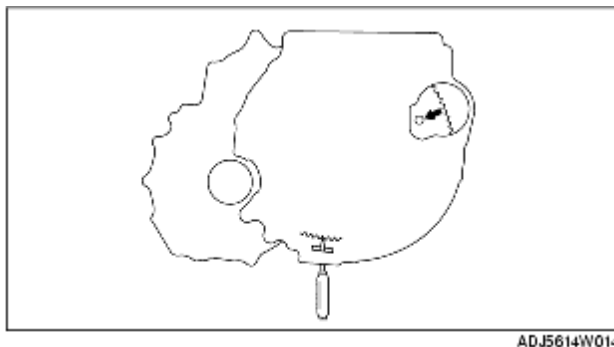
## Torque Converter Nuts Installation Note

1. Using the flathead screwdriver, lock the drive plate.
2. Hold the crankshaft pulley to prevent the drive plate from rotating.

### Caution

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

3. Tighten the torque converter mounting nuts.



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