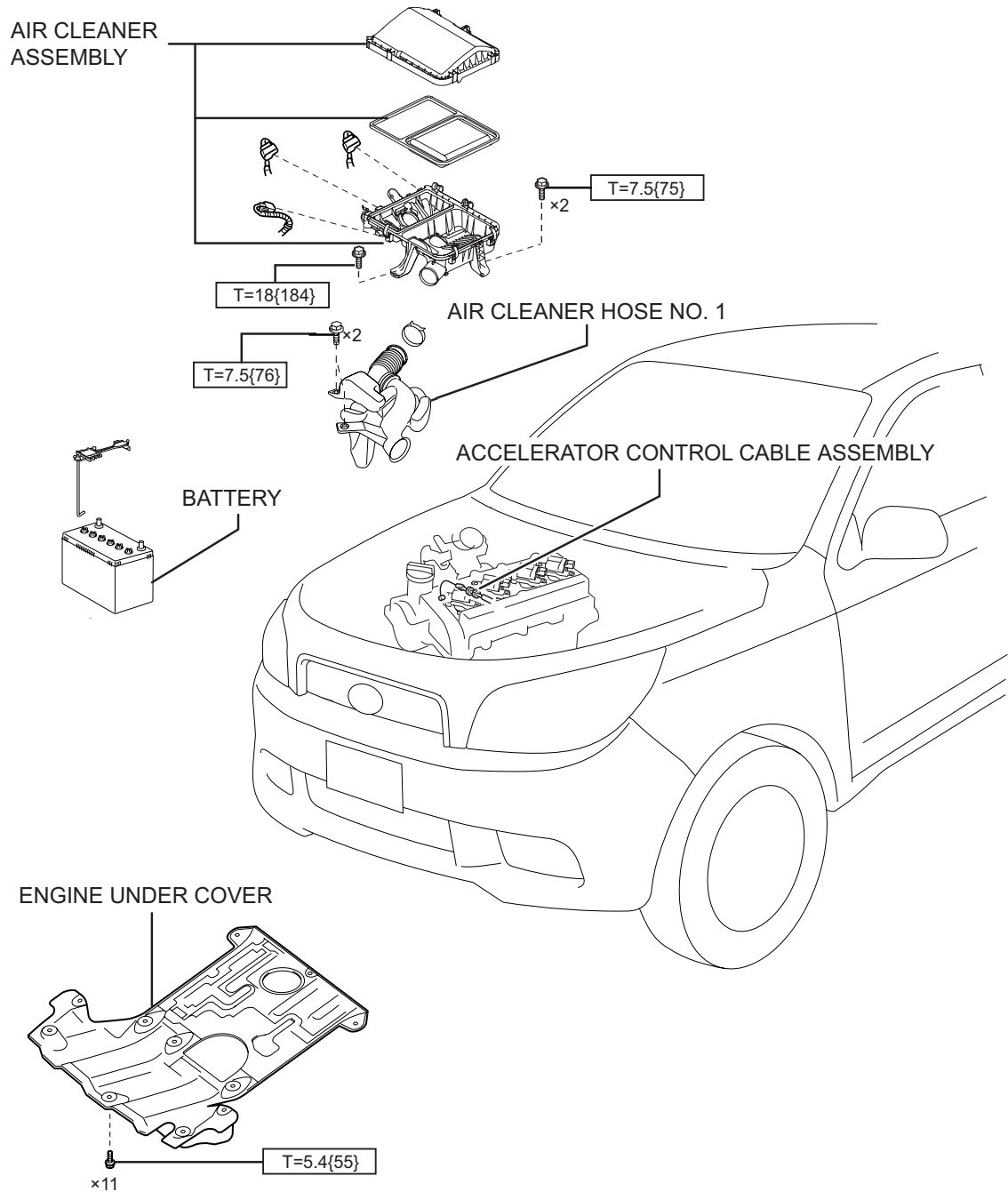


CLUTCH UNIT

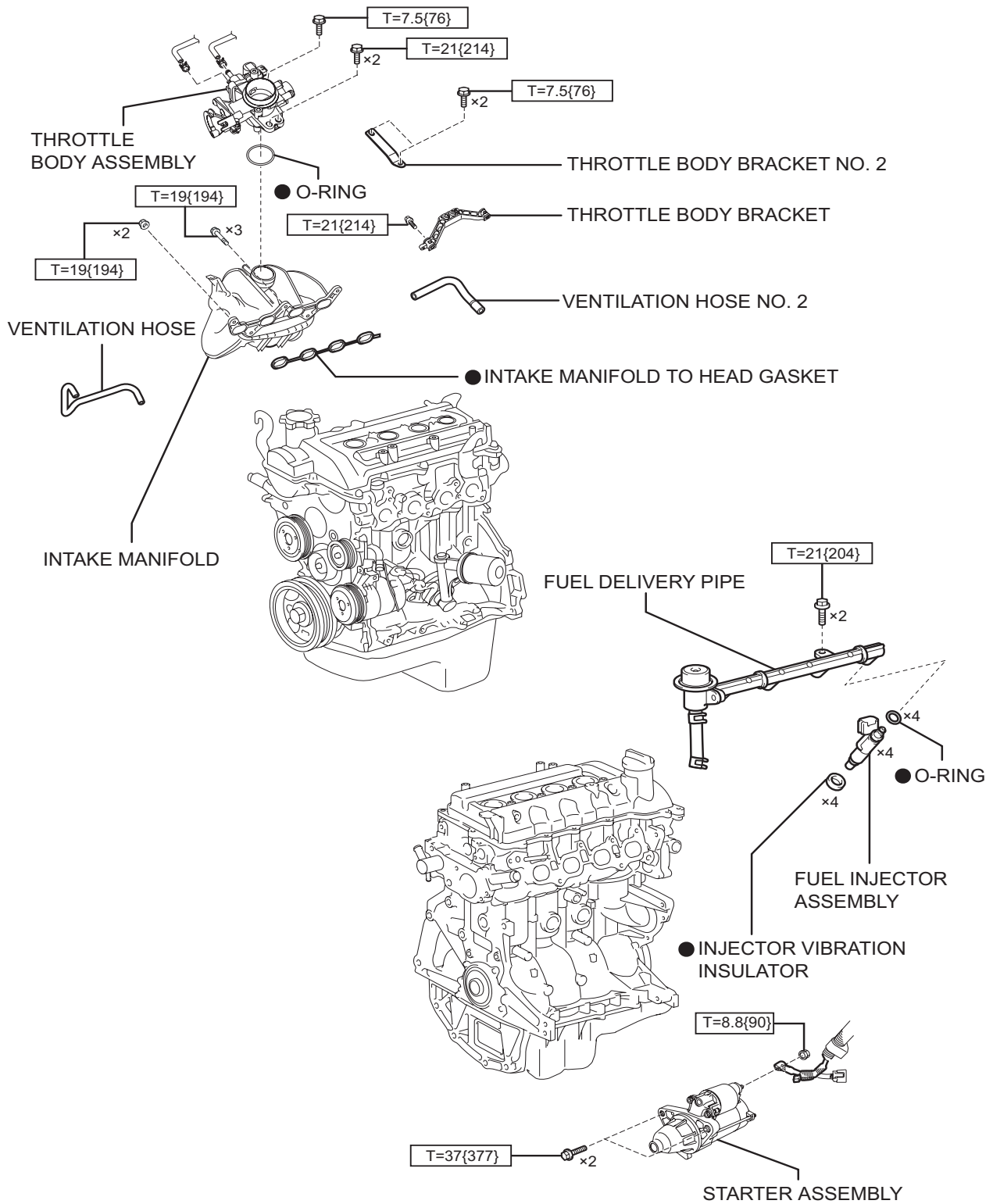
COMPONENTS



.....TIGHTENING TORQUE [N*m{kgf*cm}]

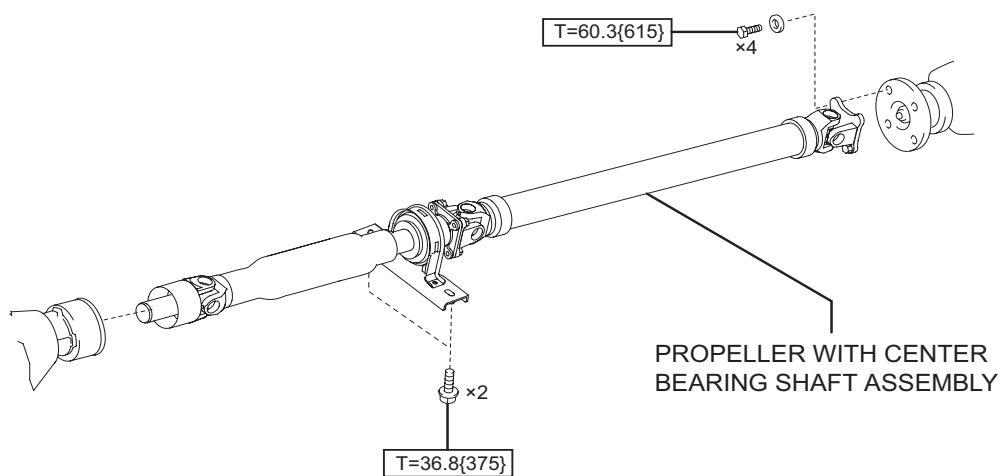
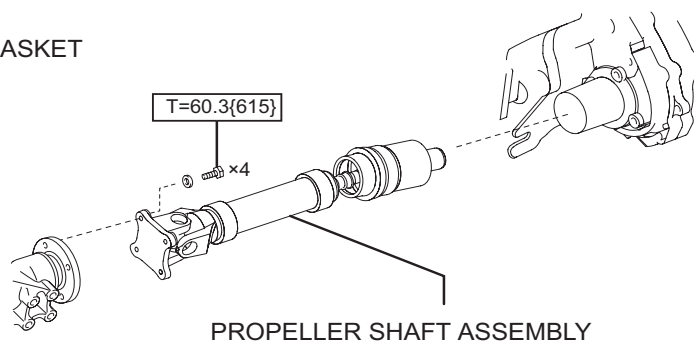
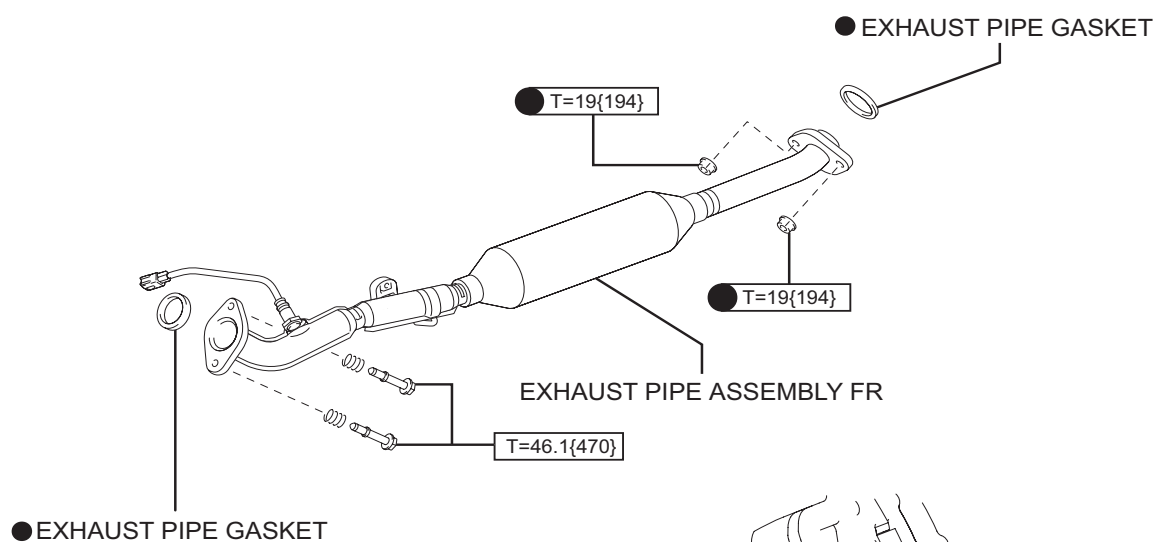
C141337J01





TIGHTENING TORQUE [N*m{kgf*cm}]

..... NON-REUSEABLE PART



● NON-REUSEABLE PART

..... TIGHTENING TORQUE [N*m{kgf*cm}]

CL

TRANSMISSION ASSEMBLY

BACK-UP LIGHT SWITCH ASSEMBLY

T=58.8{596}

T=31.9{325}

T=58.8{596}

T=18.2{185}

T=58.8{596}

T=36.8{375}

T=36.8{375}

T=68{693}

T=68{693}

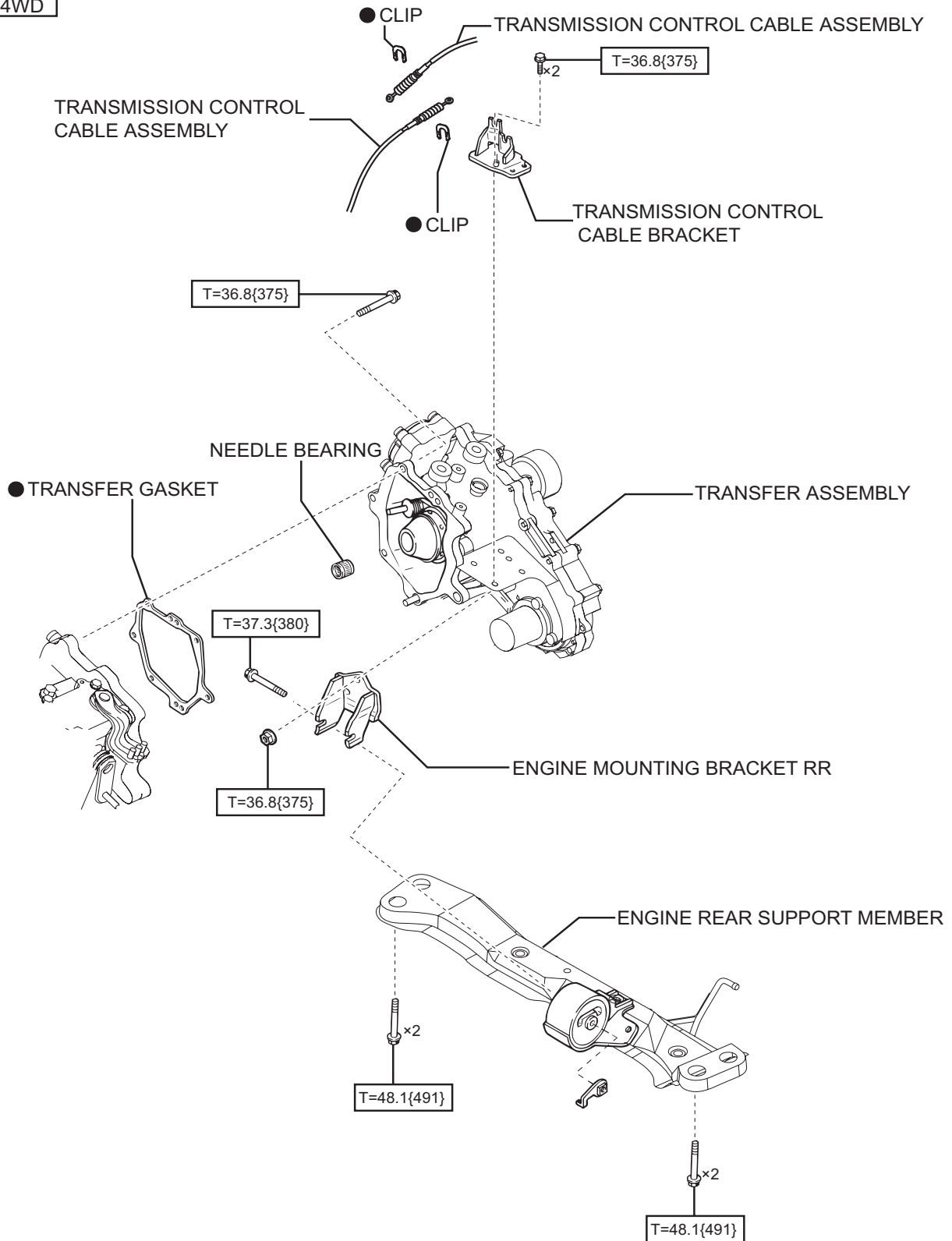
FRONT SUSPENSION CROSS MEMBER LWR

.....TIGHTENING TORQUE [N*m{kgf*cm}]

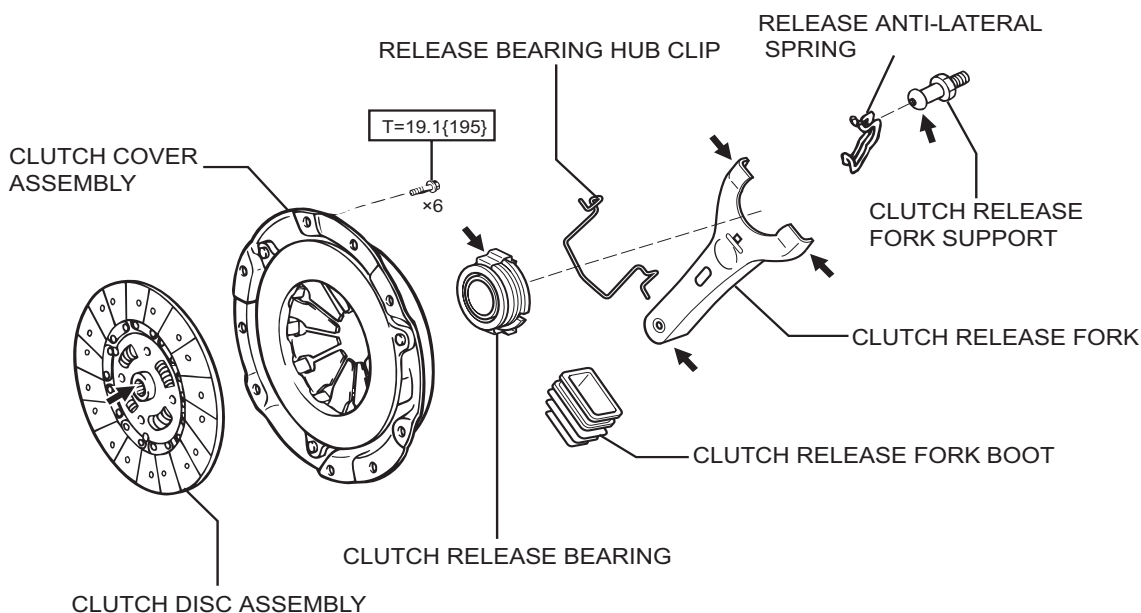
●..... NON-REUSEABLE PART

CL

4WD



..... TIGHTENING TORQUE [N*m{kgf*cm}] ●..... NON-REUSEABLE PART

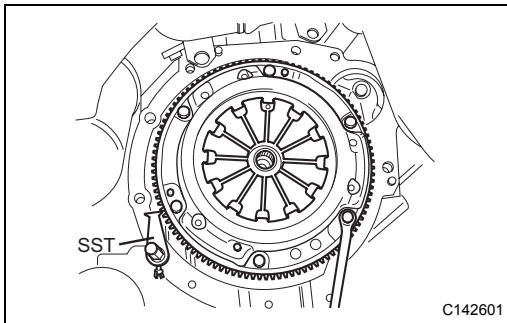


C139163J04

REMOVAL

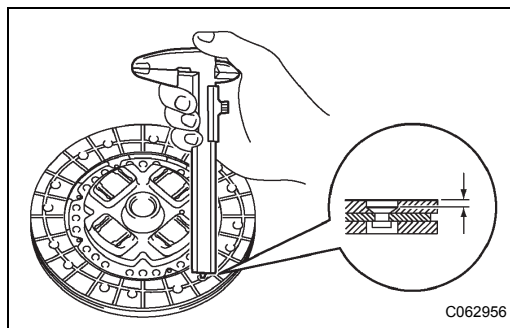
1. DISCHARGE FUEL SYSTEM PRESSURE (See pageEM-146)
2. REMOVE ENGINE UNDER COVER
3. REMOVE ENGINE UNDER COVER RR RH
4. REMOVE ENGINE UNDER COVER RR LH
5. DRAIN MANUAL TRANSMISSION OIL (See pageMT-9)
6. DRAIN ENGINE COOLANT (See pageCO-9)
7. REMOVE AIR CLEANER HOSE NO. 1 (See pageCO-15)
8. REMOVE AIR CLEANER ASSEMBLY (See pageEM-146)
9. REMOVE VENTILATION HOSE (See pageEM-147)
10. REMOVE VENTILATION HOSE NO. 2 (See pageEM-147)
11. DISCONNECT ACCELERATOR CONTROL CABLE ASSEMBLY (See pageEM-147)
12. REMOVE FUEL HOSE NO. 2 (See pageEM-148)
13. DISCONNECT VACUUM HOSE ASSEMBLY (See pageEM-148)
14. REMOVE FUEL DELIVERY PIPE (See pageEM-149)
15. REMOVE THROTTLE BODY ASSEMBLY (See pageEM-148)
16. REMOVE THROTTLE BODY BRACKET (See pageEM-149)

17. REMOVE FUEL INJECTOR ASSEMBLY (See page EM-149)
18. REMOVE INTAKE MANIFOLD (See page MT-9)
19. DISCONNECT EXHAUST PIPE ASSEMBLY FR (See page MT-10)
20. REMOVE FRONT SUSPENSION CROSS MEMBER LWR (FOR 4WD) (See page PR-3)
21. REMOVE PROPELLER WITH CENTER BEARING SHAFT ASSEMBLY (See page PR-6)
22. REMOVE FRONT PROPELLER SHAFT ASSEMBLY (FOR 4WD) (See page PR-3)
23. DISCONNECT CLUTCH RELEASE CYLINDER ASSEMBLY (See page MT-10)
24. DISCONNECT CONNECTOR (See page MT-10)
25. REMOVE STARTER ASSEMBLY (See page MT-10)
26. SUSPEND ENGINE ASSEMBLY (See page MT-12)
27. SUPPORT TRANSMISSION ASSEMBLY (TRANSMISSION M/T) (See page MT-12)
28. DISCONNECT TRANSMISSION CONTROL CABLE ASSEMBLY (See page MT-12)
29. REMOVE ENGINE REAR SUPPORT MEMBER (See page MT-12)
30. REMOVE TRANSMISSION ASSEMBLY (TRANSMISSION M/T) (See page MT-13)
31. REMOVE CLUTCH RELEASE FORK
 - (a) Remove the release bearing, clip and clutch release fork.
32. REMOVE CLUTCH RELEASE BEARING
 - (a) Remove the clip and clutch release bearing from the clutch release fork.
33. REMOVE CLUTCH RELEASE FORK BOOT
 - (a) Remove the clutch release fork boot from the transmission assembly.
34. REMOVE CLUTCH RELEASE FORK SUPPORT
 - (a) Remove the clutch release fork support from the transmission assembly.
35. REMOVE CLUTCH COVER ASSEMBLY
SST 09210-87701



- (a) Use the SST to prevent the ring gear from turning.
 - (b) Remove the 6 bolts and the clutch cover assembly.
- NOTICE:**
Do not drop the clutch disk assembly.
36. REMOVE CLUTCH DISK ASSEMBLY
NOTICE:
Do not allow any lubricant or foreign matter to contaminate the surface of the lining part of the clutch disk, the pressure plate and the flywheel.

INSPECTION



1. INSPECT CLUTCH DISC ASSEMBLY

- (a) Using a vernier caliper, check the wear on the facing.

Maximum limit:

0.3 mm (rivet depth)

- (b) Install the clutch disk assembly to the transaxle assembly.

NOTICE:

Make sure the clutch disk assembly is installed in the correct direction.

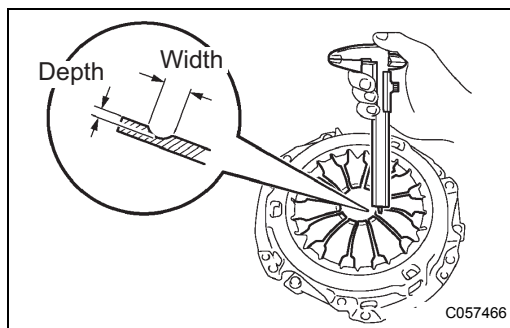
- (c) Using the dial indicator with roller probes, turn the clutch disk to check the runout of the clutch disk.

Maximum limit:

1.0 mm

NOTICE:

Use a new input shaft to check the runout of the clutch disk.



2. INSPECT CLUTCH COVER ASSEMBLY

- (a) Using a vernier caliper, check the wear on the contact surface with the release bearing.

Maximum limit:

0.5 mm (depth)

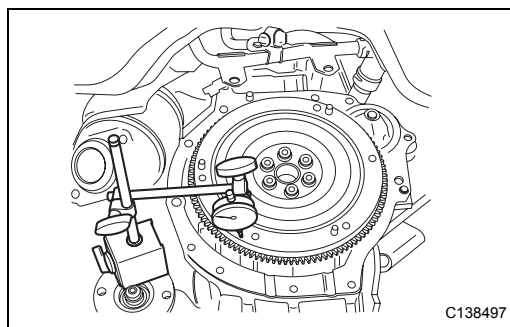
6.0 mm (width)

3. INSPECT FLYWHEEL

- (a) Using a dial indicator, check the runout of the flywheel.

Maximum limit:

0.1 mm



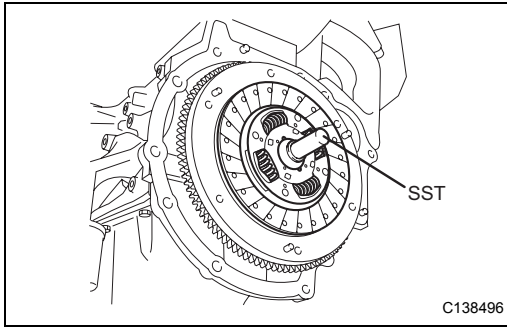
CL

INSTALLATION

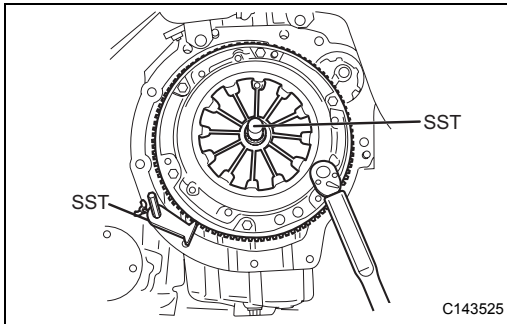
1. INSTALL CLUTCH DISK ASSEMBLY

- (a) Using SST, center the clutch disk assembly.

SST 09301-00110

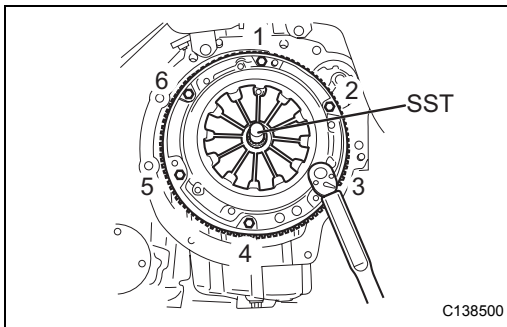
**NOTICE:**

Make sure the clutch disk assembly is installed in the correct direction.

**2. INSTALL CLUTCH COVER ASSEMBLY**

- (a) Use the SST to prevent the ring gear from turning.

SST 09210-87701



- (b) Align the clutch cover assembly with the knock pin of the flywheel to install it. Temporarily tighten it in the order of 1 → 3 → 5, then fully tighten in the order of 1 → 3 → 6 → 2 → 4 → 5.

Torque: 19.1 N*m (195 kgf*cm)

HINT:

Bolt 1 should be one of the 3 attaching parts close to the knock pin.

NOTICE:

- Tighten it until the bottom of the bolt touches the cover for the temporary tightening.
- Uniformly tighten the bolt in several passes.

CL**3. INSPECT AND ADJUST CLUTCH COVER ASSEMBLY**

SST 09333-00013, 09302-87701

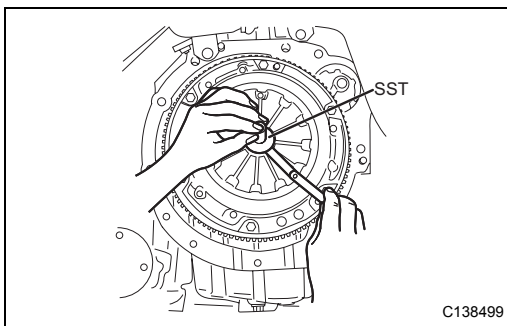
- (a) Using the SST, check if there is any irregular height of the diaphragm spring.

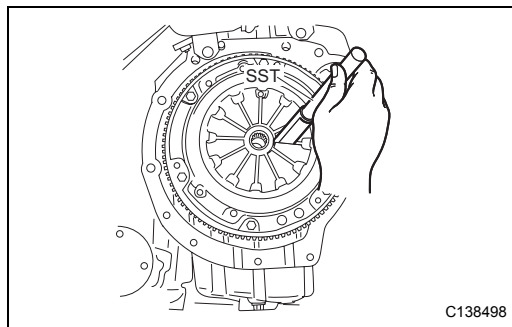
Standard:

0.5 mm or less

Minimum standard value:

0.5 mm or less





- (b) If the result exceeds the limit, correct the irregularity of height in the finger part using the SST.

4. INSTALL CLUTCH RELEASE FORK SUPPORT

- (a) Using a deep socket wrench (17 mm), install the release fork support to the transaxle assembly.

Torque: 18 N*m (185 kgf*cm)

5. INSTALL CLUTCH RELEASE FORK BOOT

6. INSTALL CLUTCH RELEASE FORK

- (a) Apply the EP grease to the following parts of the release fork.
- (1) Contact surface to the release fork support
 - (2) Contact surface to the release cylinder push rod
 - (3) Contact surface on the release bearing hub part
- (b) Install the release fork to the release bearing.
- (c) Install the clutch release bearing hub clip to the clutch release fork.

7. INSTALL CLUTCH RELEASE BEARING

- (a) Apply the clutch grease to the spline part of the input shaft on the transaxle assembly.
- (b) Install the release bearing and the release fork to the transaxle assembly.

NOTICE:

After the installation, move the fork back and forth and check if the release bearing slides smoothly.

8. TEMPORARILY TIGHTEN TRANSMISSION ASSEMBLY (TRANSMISSION M/T) (See page MT-13)

9. INSTALL ENGINE REAR SUPPORT MEMBER (See page MT-14)

10. FULLY TIGHTEN TRANSMISSION ASSEMBLY (TRANSMISSION M/T) (See page MT-14)

11. INSTALL STARTER ASSEMBLY (See page MT-14)

12. FULLY TIGHTEN TRANSMISSION ASSEMBLY (TRANSMISSION M/T) (See page MT-15)

13. INSTALL TRANSMISSION CONTROL CABLE ASSEMBLY (See page MT-16)

14. CONNECT CONNECTOR (See page MT-17)

15. INSTALL CLUTCH RELEASE CYLINDER ASSEMBLY (See page MT-17)

16. INSTALL FRONT PROPELLER SHAFT ASSEMBLY (FOR 4WD) (See page PR-4)

17. INSTALL PROPELLER WITH CENTER BEARING SHAFT ASSEMBLY (See page PR-7)

18. INSTALL FRONT SUSPENSION CROSS MEMBER LWR (See page PR-4)

19. INSTALL EXHAUST PIPE ASSEMBLY FR (See page EX-2)

20. INSTALL INTAKE MANIFOLD (See page EM-164)

21. INSTALL THROTTLE BODY ASSEMBLY (See page EM-164)

22. INSTALL FUEL INJECTOR ASSEMBLY (See page EM-164)

23. INSTALL FUEL DELIVERY PIPE (See page EM-165)
24. CONNECT VACUUM HOSE ASSEMBLY (See page EM-165)
25. CONNECT ACCELERATOR CONTROL CABLE ASSEMBLY (See page EM-165)
26. INSTALL VENTILATION HOSE (See page EM-166)
27. INSTALL VENTILATION HOSE NO. 2 (See page EM-166)
28. INSTALL BATTERY
29. CONNECT NEGATIVE BATTERY TERMINAL (See page EM-167)
30. INSTALL AIR CLEANER ASSEMBLY (See page EM-167)
31. INSTALL AIR CLEANER HOSE NO. 1 (See page CO-18)
32. REFILL MANUAL TRANSMISSION OIL
33. INSPECT MANUAL TRANSMISSION OIL LEVEL (See page MT-3)
34. REFILL ENGINE COOLANT (See page CO-9)
35. CHECK FOR ENGINE COOLANT LEAKS (See page CO-10)
36. CHECK COOLANT LEVEL (See page CO-10)
37. CHECK FOR FUEL LEAKS (See page EM-167)
38. CHECK FOR EXHAUST GAS LEAKS
39. INSTALL ENGINE UNDER COVER RR RH
40. INSTALL ENGINE UNDER COVER RR LH
41. INSTALL ENGINE UNDER COVER
42. INSPECT ENGINE IDLE SPEED (See page EM-2)
43. PERFORM INITIALIZATION

CL