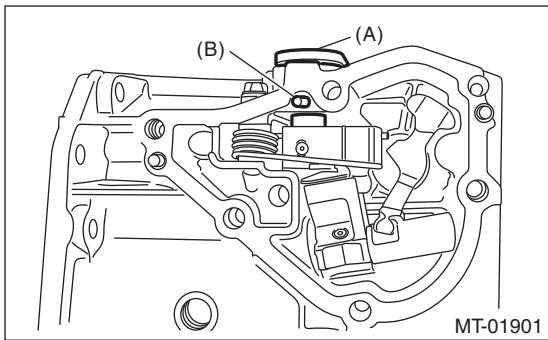


13. Shift Link Assembly

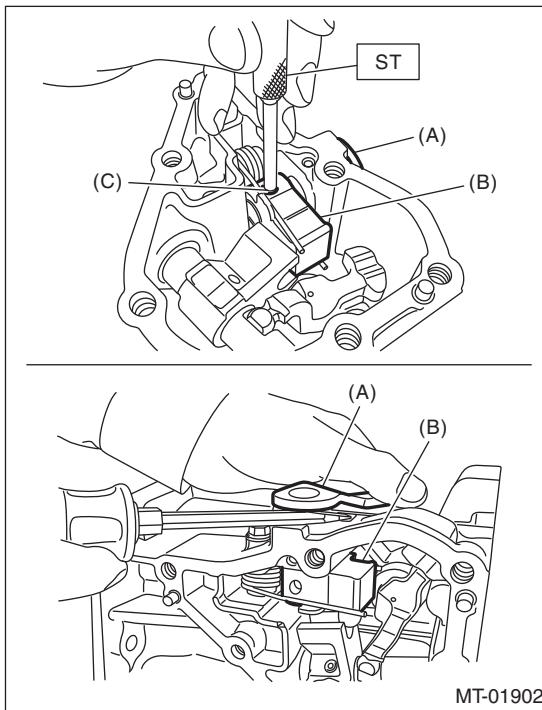
A: REMOVAL

- 1) Remove the manual transmission assembly from the vehicle. <Ref. to 6MT-24, REMOVAL, Manual Transmission Assembly.>
- 2) Remove the back-up light switch neutral position switch. <Ref. to 6MT-36, REMOVAL, Switches and Harness.>
- 3) Remove the transfer case together with the extension case assembly. <Ref. to 6MT-39, REMOVAL, Transfer Case and Extension Case Assembly.>
- 4) Remove the extension case assembly.
- 5) Pull out the straight pin.



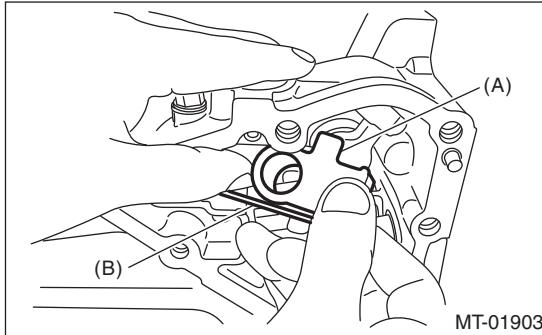
(A) Selector lever COMPL
(B) Straight pin

- 6) Drive out the spring pin by tapping with the ST, and remove the select lever COMPL.
ST 398791700 SPRING PIN REMOVER 2



(A) Selector lever COMPL
(B) Selector arm No. 2
(C) Spring pin

- 7) Pull out the selector arm No. 2 from neutral set spring.

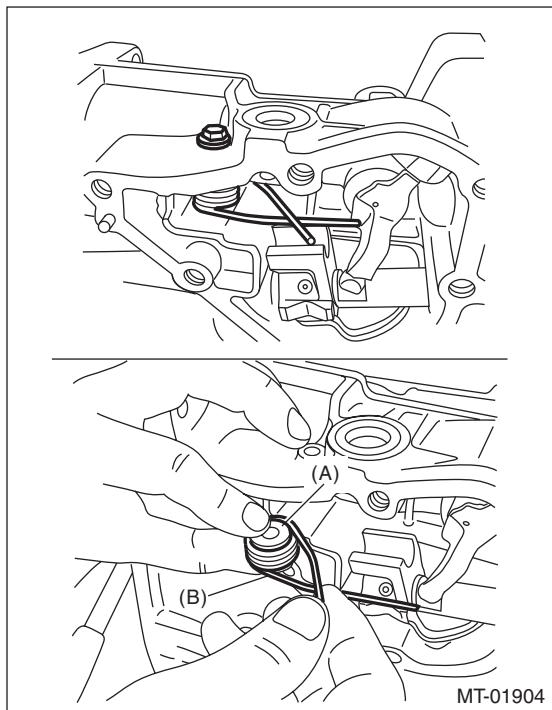


(A) Selector arm No. 2
(B) Neutral set spring

Shift Link Assembly

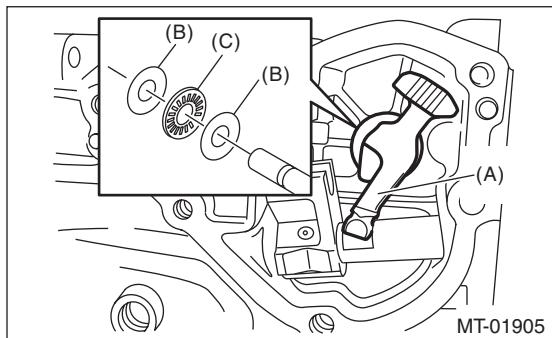
MANUAL TRANSMISSION AND DIFFERENTIAL

8) Remove the shifter arm collar and neutral set spring from transfer case.



(A) Shifter arm collar
(B) Neutral set spring

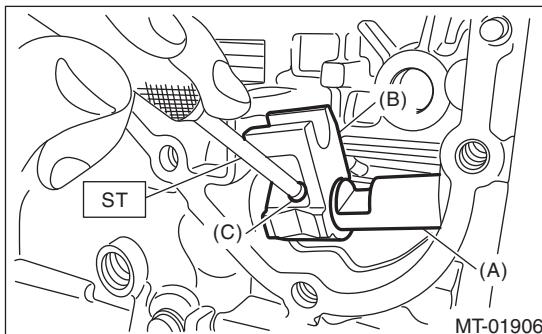
9) Remove the shifter arm No. 2, washers and thrust bearing from transfer case.



(A) Shifter arm No. 2
(B) Washer
(C) Thrust bearing

10) Drive out the spring pin by tapping with the ST, and remove the shifter arm and selector arm.

ST 398791700 SPRING PIN REMOVER 2

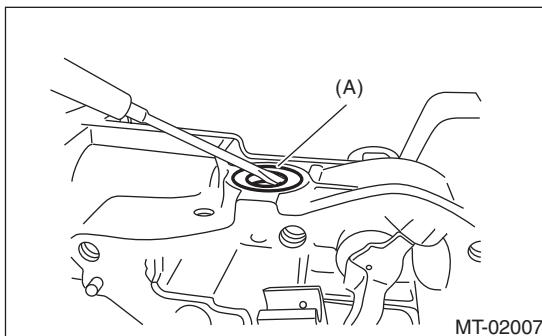


(A) Shifter arm
(B) Selector arm
(C) Spring pin

11) Remove the oil seal from transfer case using a screwdriver.

NOTE:

The illustration shows the oil seal of select lever COMPL. Perform the same procedures for removing the shifter arm No. 2.

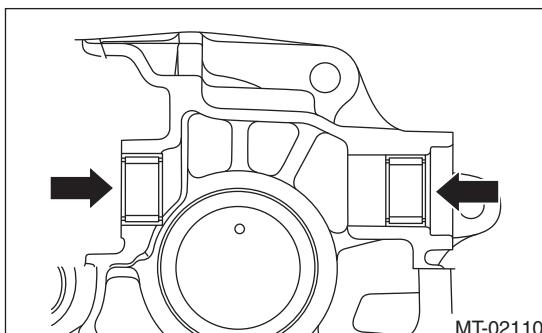


(A) Oil seal

12) Remove the needle bearing from the transfer case.

NOTE:

- Use the round bar with diameter of 20 — 21 mm (0.79 — 0.83 in).
- By pushing the flange surface (stamp mark side), press it into the transfer case to remove.



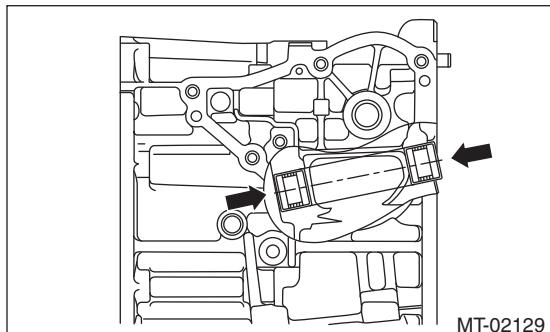
Shift Link Assembly

MANUAL TRANSMISSION AND DIFFERENTIAL

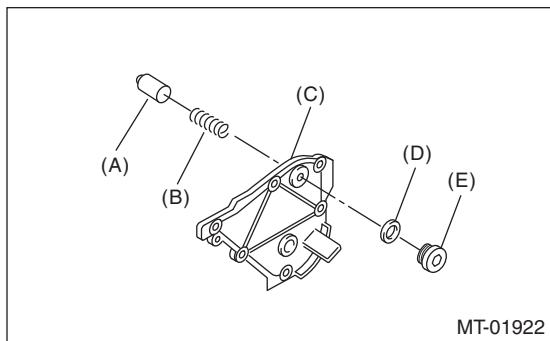
13) Remove the roll bearing from the transfer case.

NOTE:

Use the round bar with diameter of 22 — 23 mm (0.87 — 0.91 in).



14) Remove the plunger and check ball spring from transmission cover.



- (A) Plunger
- (B) Checking ball spring
- (C) Transmission cover
- (D) Seal ring
- (E) Seal bolt

B: INSTALLATION

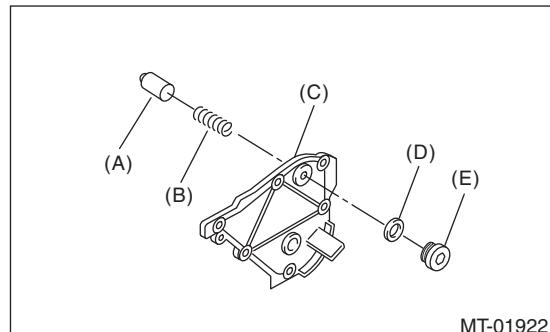
1) Install the plunger and check ball spring to transmission cover.

NOTE:

Use a new seal ring.

Tightening torque:

25 N·m (2.5 kgf·m, 18.4 ft-lb)



MT-01922

- (A) Plunger
- (B) Checking ball spring
- (C) Transmission cover
- (D) Seal ring
- (E) Seal bolt

2) Install the needle bearing to the transfer case.

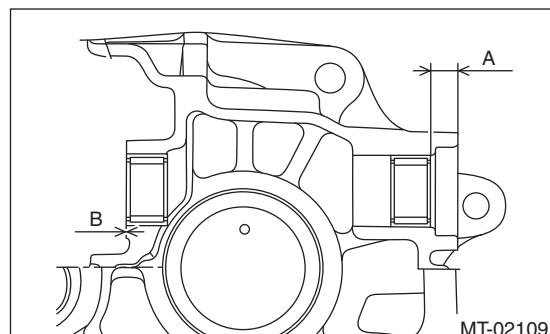
NOTE:

- Use the round bar with diameter of 20 — 21 mm (0.79 — 0.83 in).
- Press in by pushing the flange surface (stamp mark side).

Press-fit depth of needle bearing:

A: -8.5 mm (-0.33 in) from the end of transfer case

B: -0.2 mm (-0.01 in) from the end of transfer case



MT-02109

3) Install the roll bearing to the transfer case.

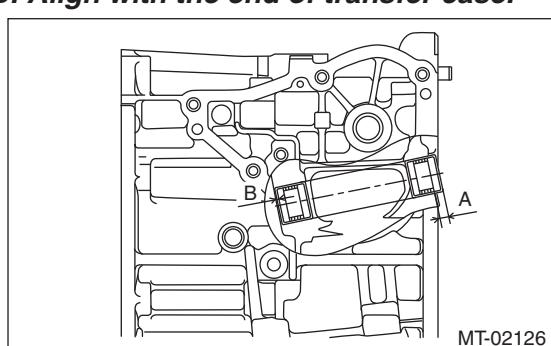
NOTE:

Use the round bar with diameter of 22 — 23 mm (0.87 — 0.91 in).

Press-fit depth of roll bearing:

A: 5.1 mm (0.20 in) from the finished surface of transfer case

B: Align with the end of transfer case.



MT-02126

4) Using the ST, install the oil seal to the transfer case.

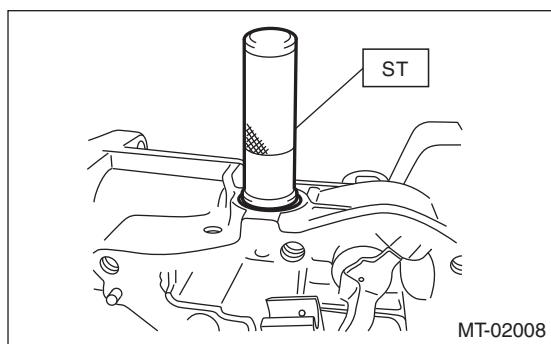
NOTE:

- Use a new oil seal.
- The illustration shows the oil seal of selector lever COMPL. Perform the same procedures for installing the shifter arm No. 2.
- Apply transmission gear oil to the oil seal lips.

Press-fit depth of oil seal:

-1.0 mm (-0.04 in) from the end of transfer case

ST 18657AA000 INSTALLER



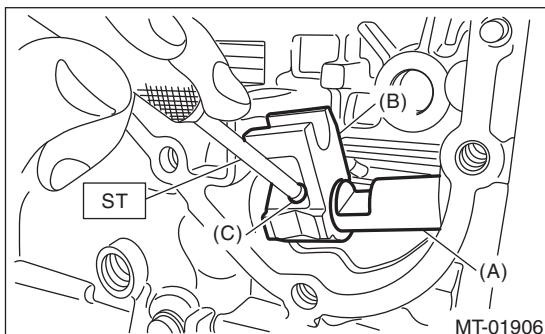
MT-02008

5) Insert the shifter arm into selector arm, then fix with a spring pin using the ST.

NOTE:

Use new spring pin.

ST 398791700 SPRING PIN REMOVER 2

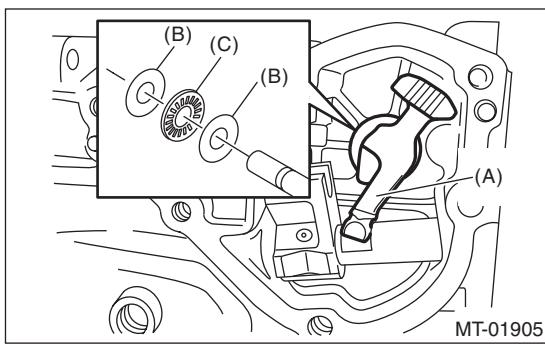


(A) Shifter arm

(B) Selector arm

(C) Spring pin

6) Install the shifter arm No. 2, washers and thrust bearing to transfer case.



(A) Shifter arm No. 2

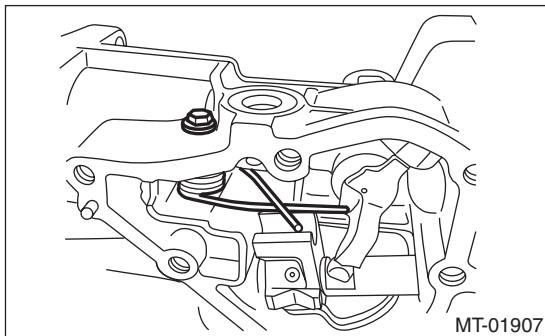
(B) Washer

(C) Thrust bearing

7) Install the shifter arm collar and neutral set spring to transfer case.

Tightening torque:

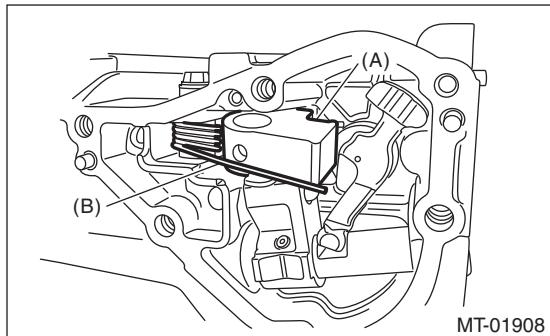
6.4 N·m (0.7 kgf-m, 4.7 ft-lb)



Shift Link Assembly

MANUAL TRANSMISSION AND DIFFERENTIAL

8) Install the selector arm No. 2 to neutral set spring.



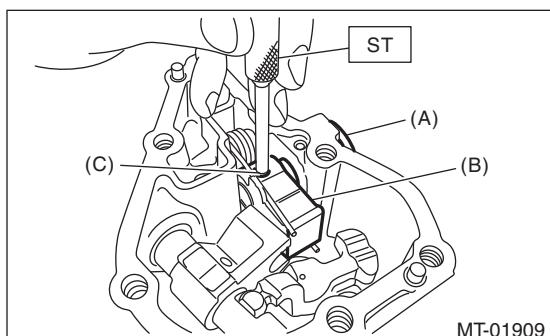
(A) Selector arm No. 2
(B) Neutral set spring

9) Insert the selector lever COMPL into selector arm No. 2, then fix with a spring pin using the ST.

NOTE:

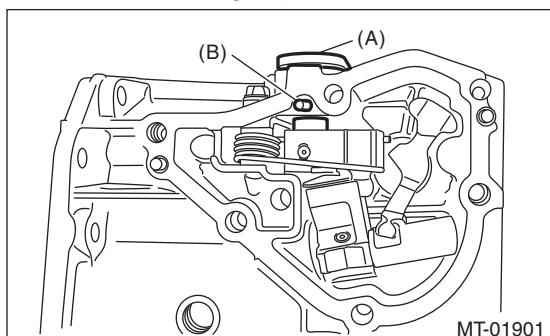
Use new spring pin.

ST 398791700 SPRING PIN REMOVER 2



(A) Selector lever COMPL
(B) Selector arm No. 2
(C) Spring pin

10) Insert a new straight pin.

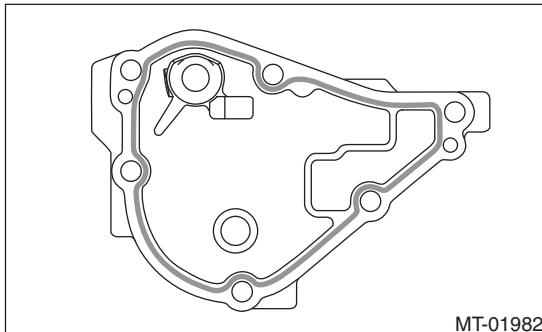


(A) Selector lever COMPL
(B) STRAIGHT PIN

11) Apply a proper amount of liquid gasket to the transmission cover mating surface.

Liquid gasket:

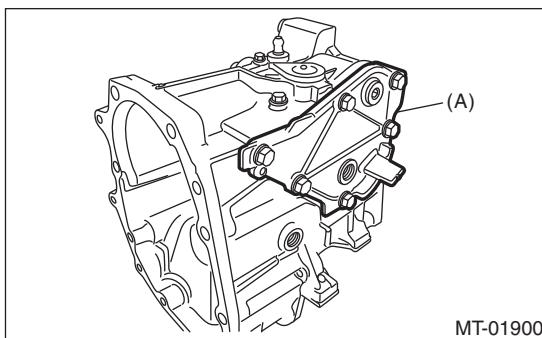
THREE BOND 1215 (Part No. 004403007) or equivalent



12) Install the transmission cover to transfer case.

Tightening torque:

25 N·m (2.5 kgf-m, 18.4 ft-lb)



(A) Transmission cover

13) Install the extension assembly to the transfer case. <Ref. to 6MT-39, INSTALLATION, Transfer Case and Extension Case Assembly.>

14) Install the transfer case and the extension case assembly. <Ref. to 6MT-39, INSTALLATION, Transfer Case and Extension Case Assembly.>

15) Install the back-up light switch neutral position switch. <Ref. to 6MT-36, INSTALLATION, Switches and Harness.>

16) Install the manual transmission assembly to the vehicle. <Ref. to 6MT-28, INSTALLATION, Manual Transmission Assembly.>