

12. Clutch System

A: INSPECTION AND ADJUSTMENT

1. INSPECTION

Move the clutch pedal in the lateral direction with a force of approximately 10 N (1 kgf, 2 lbf) to check that the clutch pedal deflection is within the service limit.

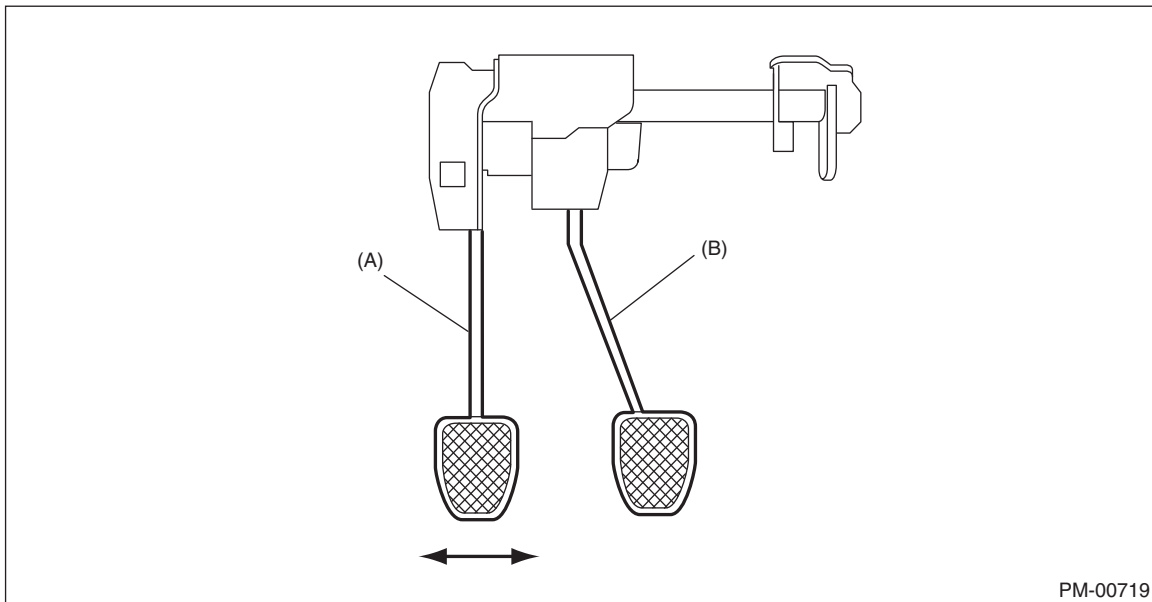
CAUTION:

If it exceeds the service limit, replace the clutch pedal assembly with a new part.

Deflection of the clutch pedal:

Service limit

4.0 mm (0.157 in) or less



(A) Clutch pedal

(B) Brake pedal

Clutch System

PERIODIC MAINTENANCE SERVICES

2. ADJUSTMENT

1) If the full stroke of the clutch pedal is not within the specified value, loosen the lock nuts of the clutch switch and adjust the full stroke of the clutch pedal with the clutch switch.

CAUTION:

When adjusting the full stroke of clutch pedal, do not turn the clutch switch.

NOTE:

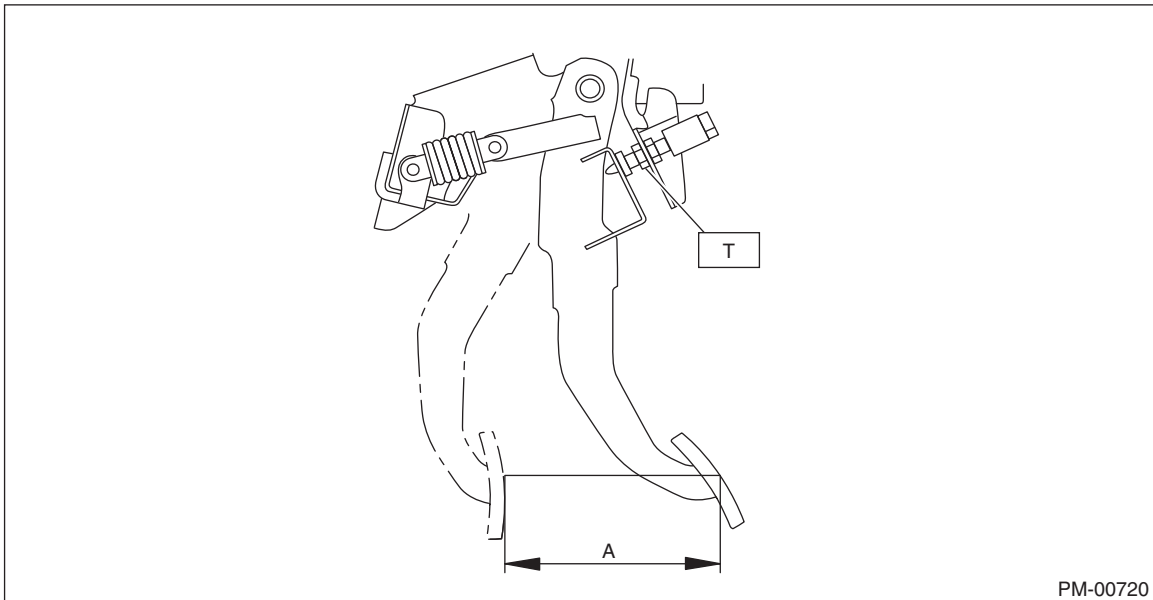
If the clutch switch cannot adjust the full stroke of clutch pedal to the specified value, adjust it by turning the master cylinder push rod.

Clutch pedal full stroke A:

110 — 115 mm (4.33 — 4.53 in)

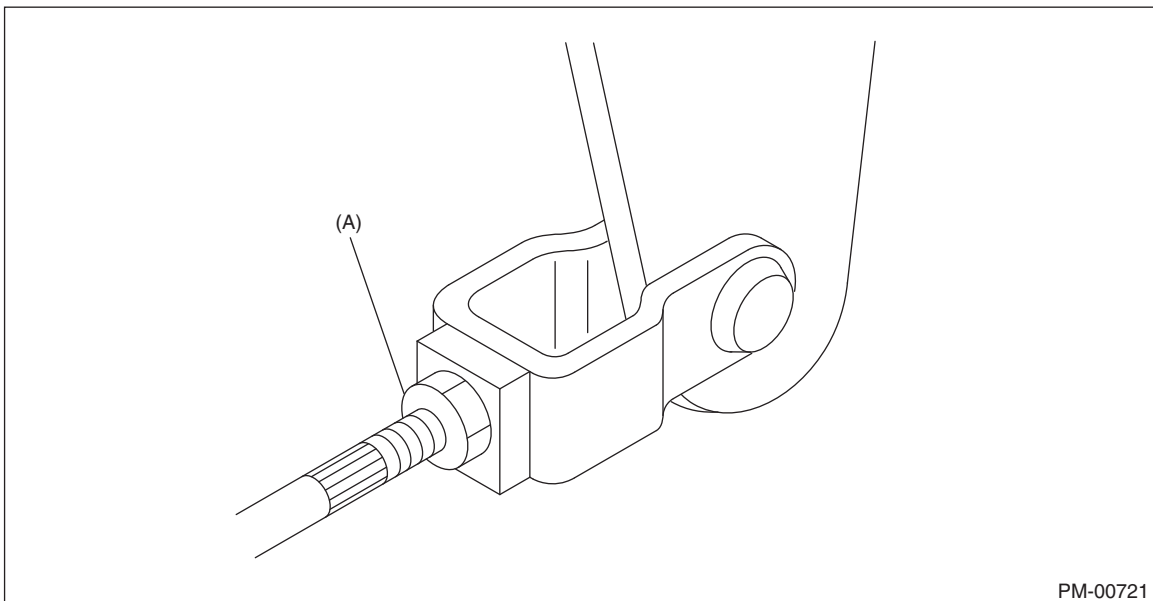
Tightening torque:

T: 8 N·m (0.8 kgf-m, 5.9 ft-lb)



PM-00720

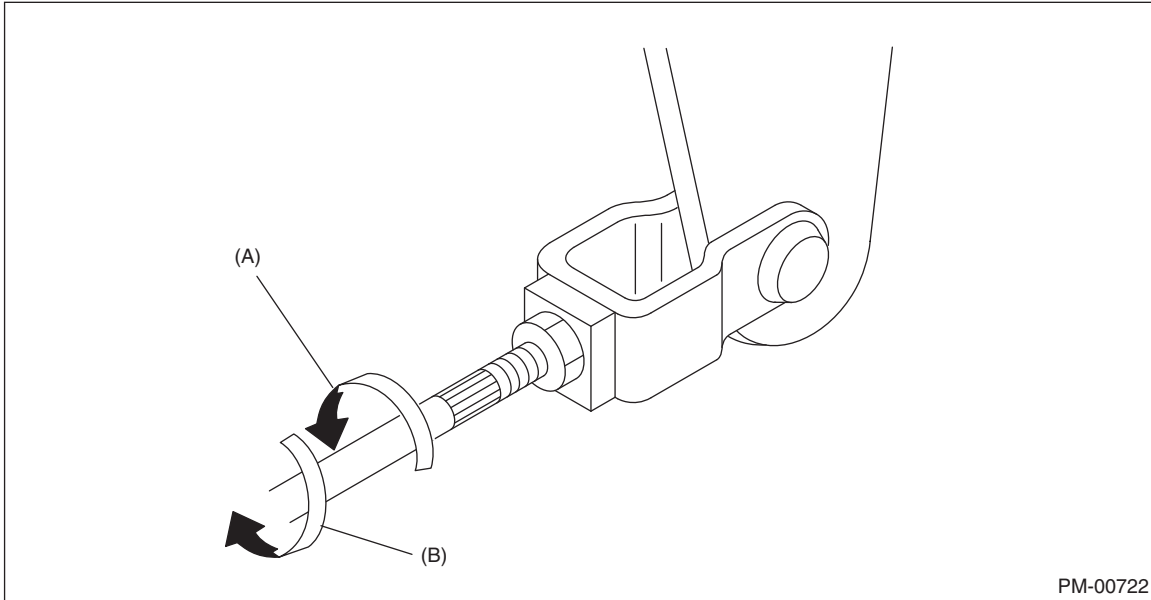
2) Loosen the push rod lock nuts of the master cylinder.



PM-00721

(A) Push rod lock nut

3) Rotate the push rod to adjust.



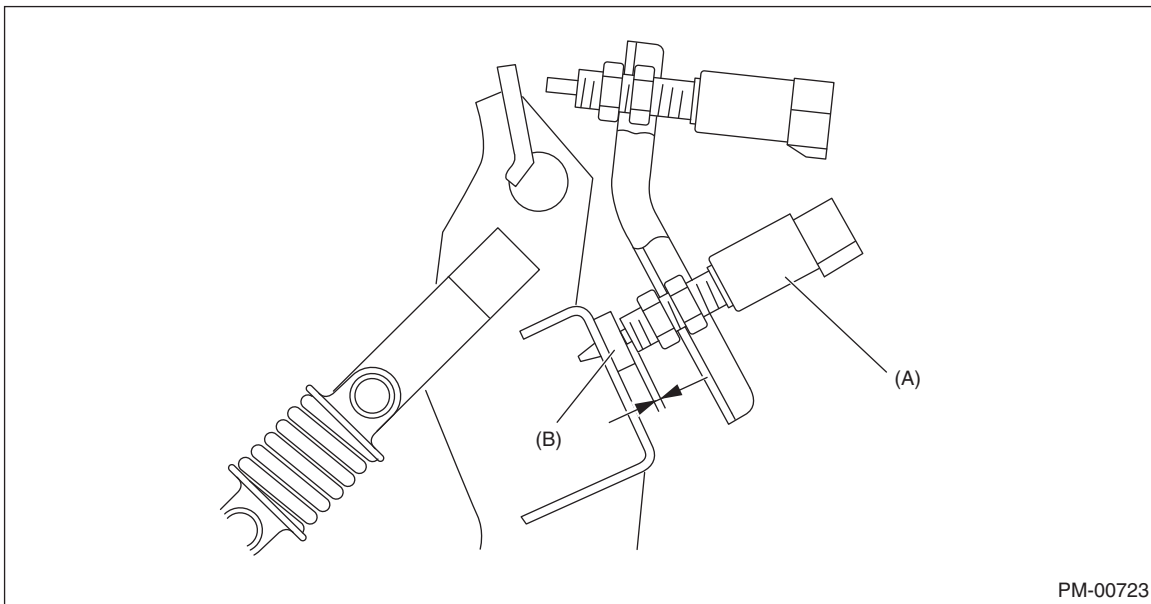
(A) In the longer direction

(B) In the shorter direction

4) Make sure that the clutch pedal contacts the clutch pedal bracket stopper when the clutch pedal is at the maximum stroke position.

5) Make sure that the clutch pedal contacts the clutch switch side when the pedal is released.

6) Turn the push rod to shorten until a clearance is gained on the clutch switch side.



(A) Clutch switch

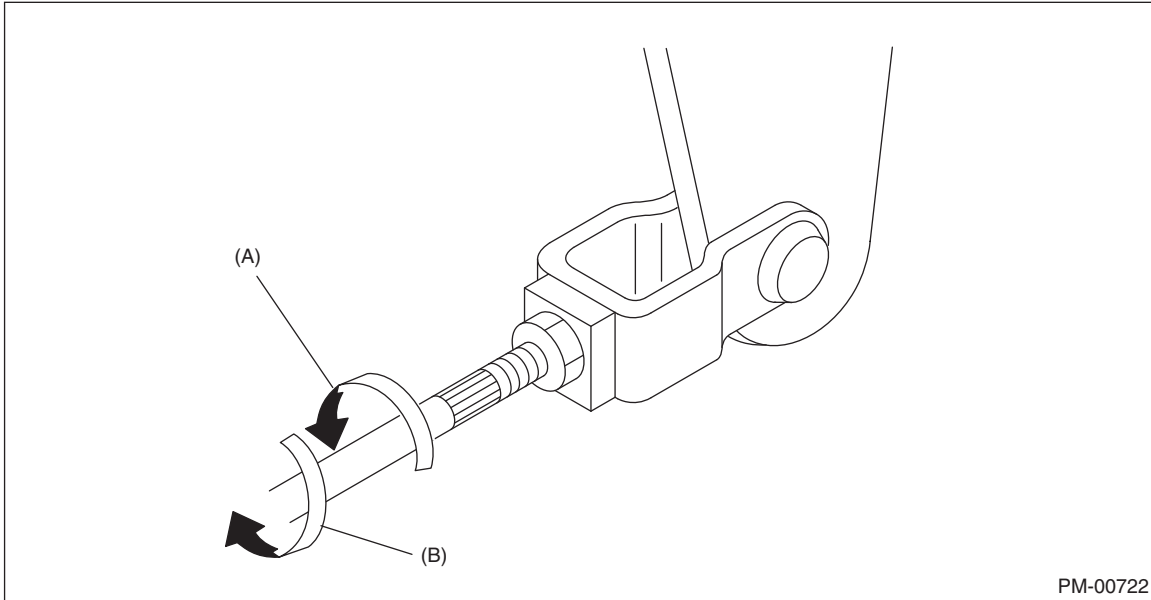
(B) Stopper

7) Turn the push rod to lengthen until clutch pedal contacts the clutch switch.

Clutch System

PERIODIC MAINTENANCE SERVICES

8) Turn further in the direction that will shorten the push rod by 270°.



(A) In the longer direction

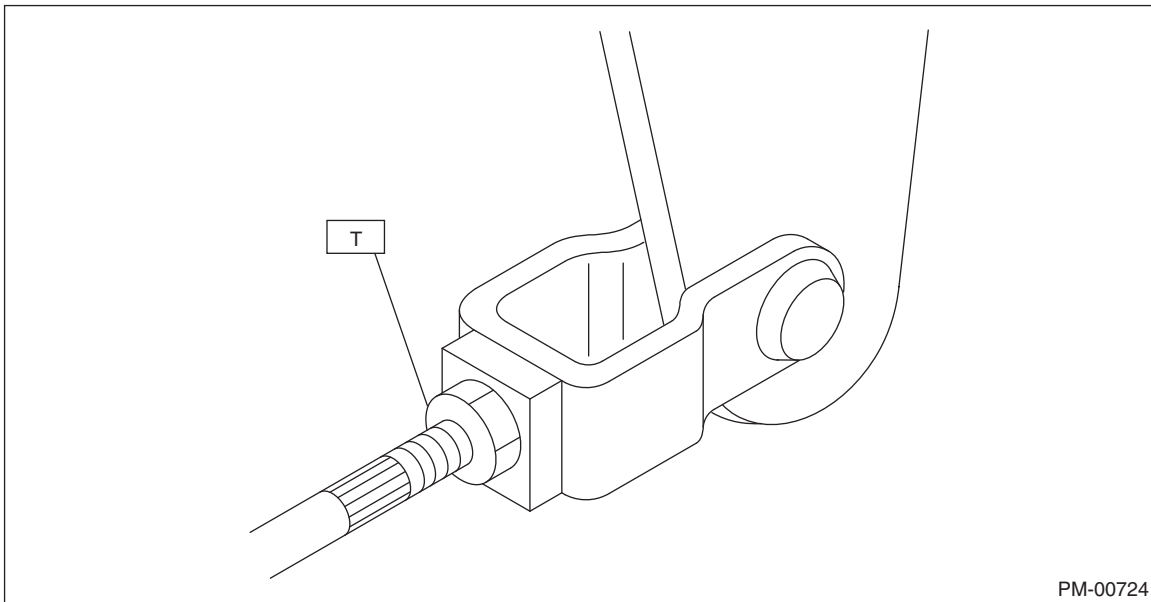
(B) In the shorter direction

9) Check that the clevis pin moves smoothly by moving it in the left and right directions.

10) Tighten the push rod lock nut of the master cylinder.

Tightening torque:

T: 10 N·m (1.0 kgf-m, 7.4 ft-lb)



11) Depress and release the clutch pedal two or three times to ensure that the clutch pedal and release lever operate smoothly. If the clutch pedal and release lever do not operate smoothly, bleed air from the clutch hydraulic system.

12) Measure the clutch pedal full stroke length again to ensure that it is within specifications. If it is not within specifications, repeat adjustment procedures again from the beginning.

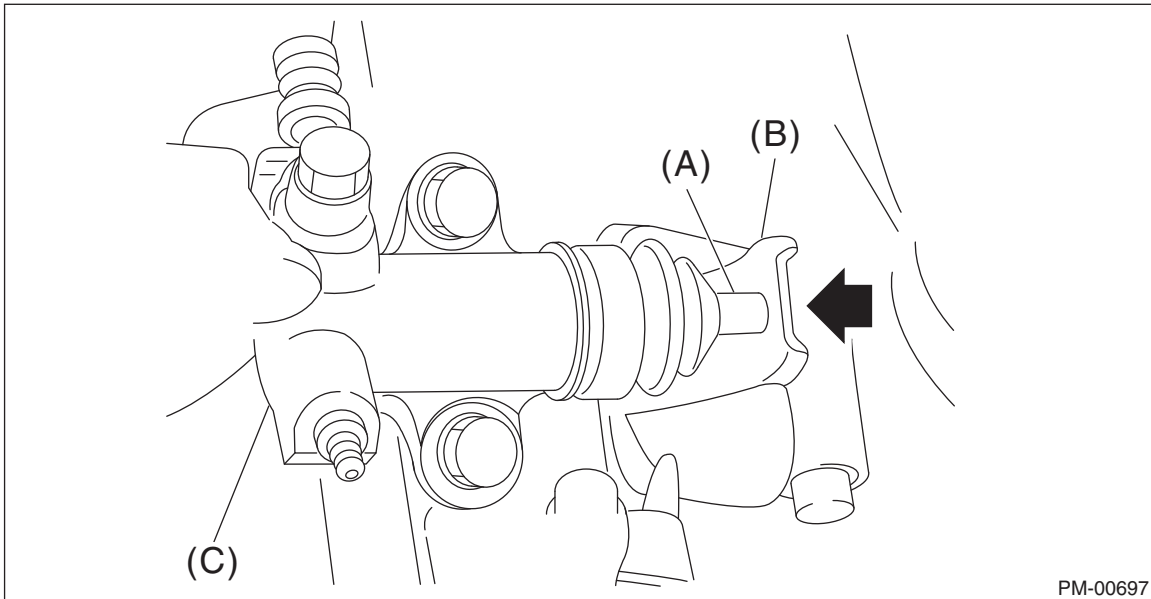
Clutch pedal full stroke:

110 — 115 mm (4.33 — 4.53 in)

Clutch System

PERIODIC MAINTENANCE SERVICES

13) Push the release lever until the operating cylinder push rod retracts. Make sure that the clutch fluid level in the reservoir tank increases. If the clutch fluid level increases, the hydraulic clutch is properly adjusted. If the clutch fluid level does not increase or the push rod does not retract, replace the master cylinder with a new part.

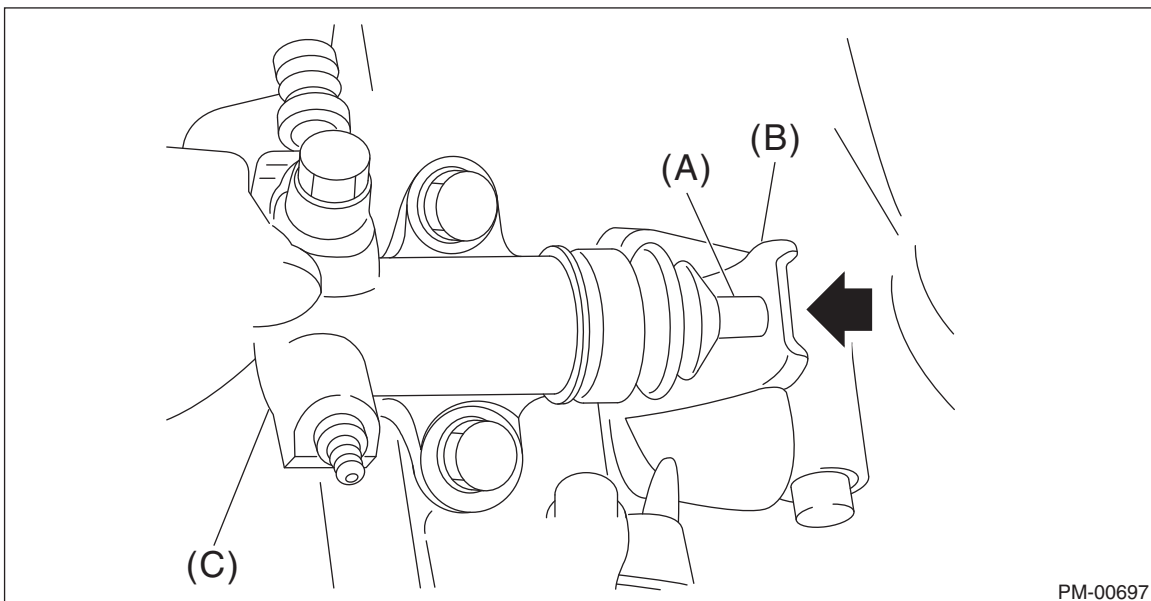


(A) Push rod

(B) Release lever

(C) Operating cylinder

14) Push the release lever until the operating cylinder push rod retracts. Check that the clutch fluid level in the reservoir tank increases.



(A) Push rod

(B) Release lever

(C) Operating cylinder

15) If the clutch fluid level increases, hydraulic clutch play is correct.

16) If the clutch fluid level does not increase or push rod does not retract, readjust the clutch pedal.

17) Check the clutch fluid level in the reservoir tank.