

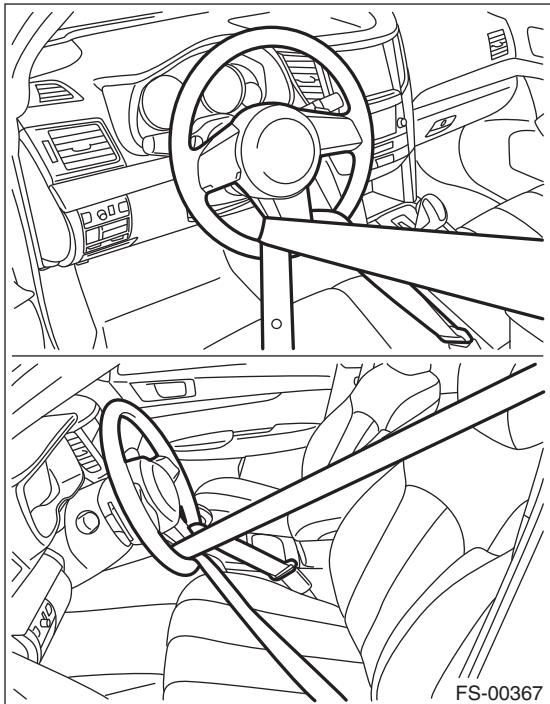
Universal Joint

POWER ASSISTED SYSTEM (POWER STEERING)

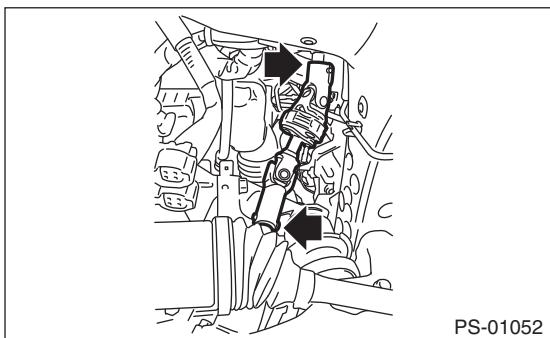
3. Universal Joint

A: REMOVAL

- 1) Adjust the tilt position of the steering column to the lowest position and lock the tilt lever.
- 2) Prevent the steering wheel from turning using the seat belt.

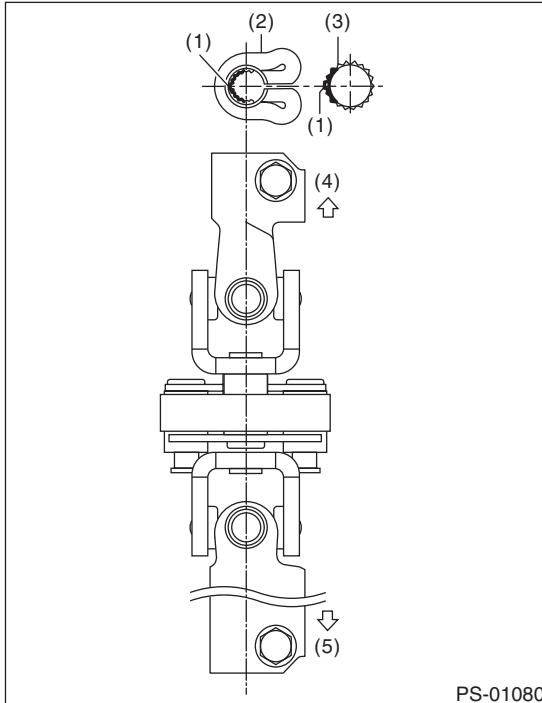


- 3) Place alignment marks on universal joint.
- 4) Remove the universal joint bolt and remove the universal joint.



B: INSTALLATION

- 1) Adjust the tilt position of the steering column to the lowest position and lock the tilt lever.
- 2) Align the cutout portion at serrated section of the column shaft and yoke, then install the universal joint into column shaft.



- (1) Cutout portion
- (2) Yoke
- (3) Column shaft
- (4) Column shaft side
- (5) Gearbox side

- 3) Install the universal joint to the serrations of gearbox assembly by matching alignment marks.
- 4) Tighten the bolts in the order from gearbox side to column shaft side.

CAUTION:

Always follow the tightening order for universal joint and tightening torque. Otherwise this may cause heavy steering effort.

Tightening torque:

24 N·m (2.4 kgf·m, 17.7 ft-lb)

Clearance between universal joint coupling and adjacent parts:

15 mm (0.59 in) or more

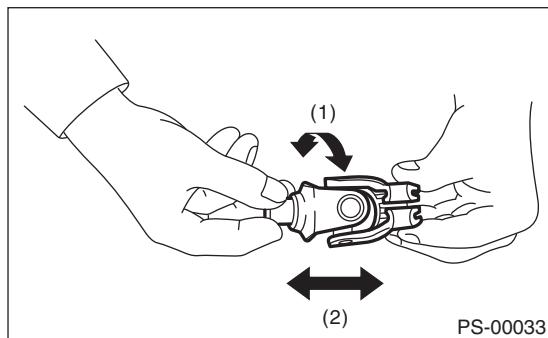
C: INSPECTION

1) Check for wear, damage or any other faults. Replace as necessary

Service limit:

Universal joint play: 0 mm (0 in)

Maximum swing torque: 0.3 N (0.03 kgf, 0.07 lbf)



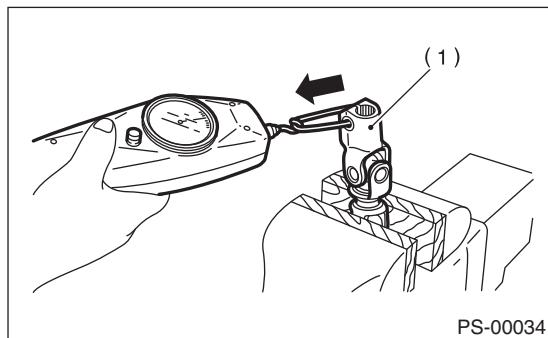
(1) Swing torque

(2) Play

2) Measure the swing torque of universal joint.

Service limit:

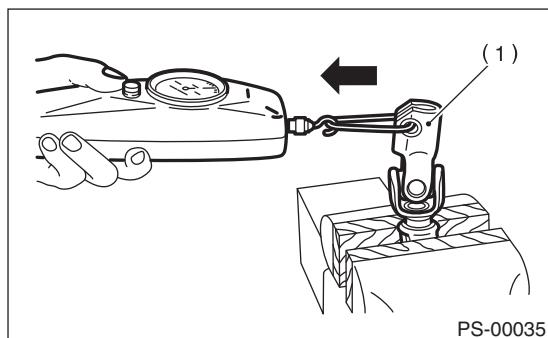
Maximum load: 3.8 N (0.39 kgf, 0.86 lbf) or less



(1) Yoke (Gearbox side)

Service limit:

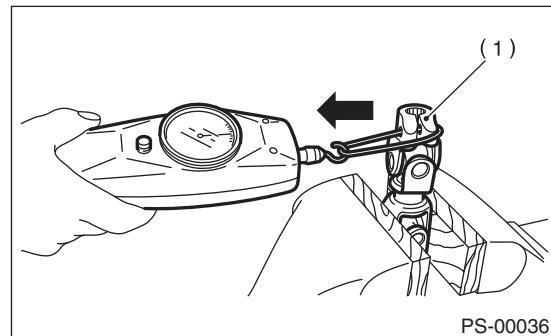
Maximum load: 3.8 N (0.39 kgf, 0.86 lbf) or less



(1) Yoke (Gearbox side)

Service limit:

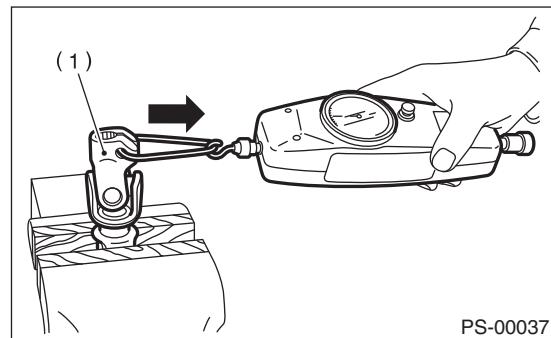
Maximum load: 7.3 N (0.74 kgf, 1.64 lbf) or less



(1) Yoke (Steering column side)

Service limit:

Maximum load: 7.3 N (0.74 kgf, 1.64 lbf) or less



(1) Yoke (Steering column side)