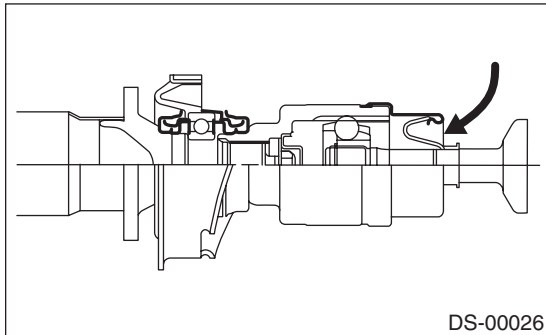


2. Propeller Shaft

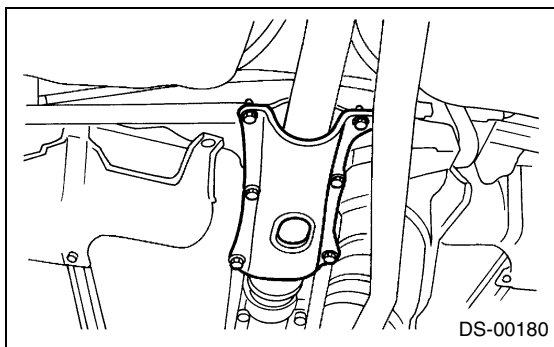
A: REMOVAL

NOTE:

- Before removing propeller shaft, wrap metal parts with a cloth or rubber material.
- In case of DOJ type, before removing propeller shaft, wrap metal parts (installed at the rubber boot of center DOJ) with a cloth or rubber material, as shown in the figure. Rubber boot may be damaged due to interference with adjacent metal parts while bending the DOJ during removal.



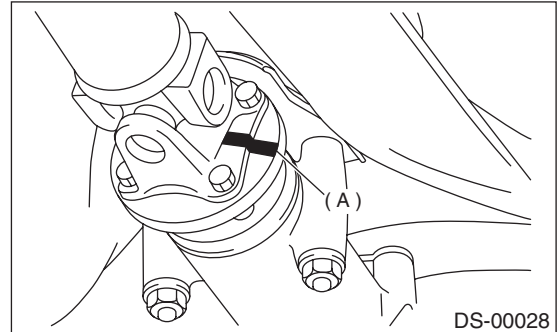
- 1) Set the vehicle on a lift.
- 2) Disconnect the ground terminal from battery.
- 3) Move the select lever or gear shift lever to "N".
- 4) Release the parking brake.
- 5) Jack-up the vehicle and support it with the safety stands. (rigid racks)
- 6) Remove the rear exhaust pipe and muffler.
- 7) Remove the rear differential protector. (If equipped)
- 8) Remove the differential mount front cover.



- 9) Remove the four bolts which hold propeller shaft to rear differential.

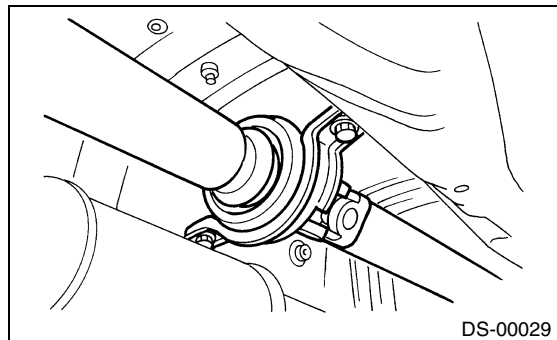
NOTE:

- Put matching mark on affected parts before removal.
- Remove all but one bolt.



(A) Matching mark

- 10) Remove the two bolts which hold center bearing to the vehicle body.



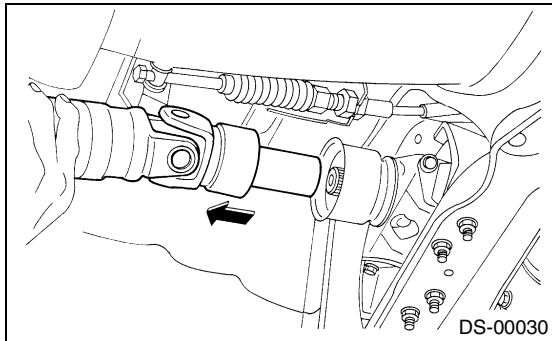
11) Remove the propeller shaft from the transmission.

CAUTION:

- Be careful not to damage oil seals and frictional surface of sleeve yoke.
- Cover the center exhaust pipe with a cloth to keep off any ATF or oil spilled from transmission when removing propeller shaft.

NOTE:

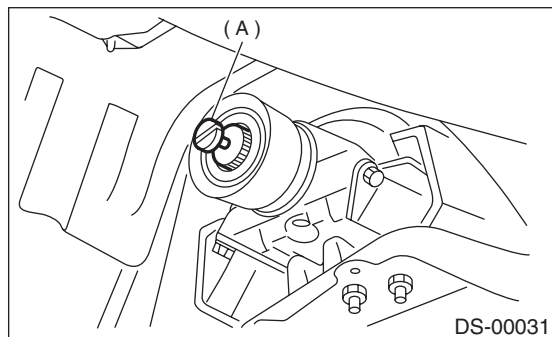
- Be sure to use an empty oil can to catch oil flowing out when removing propeller shaft.
- Be sure to plug the opening in transmission after removal of propeller shaft.



12) Install the extension cap to transmission.

NOTE:

If extension cap is not available, place vinyl bag over opening and fasten with string to prevent gear oil or ATF from leaking.



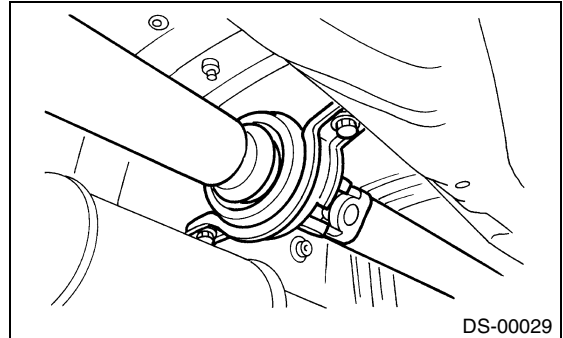
(A) Extension cap

B: INSTALLATION

1) Insert the sleeve yoke into the transmission and attach center bearing to body.

Tightening torque:

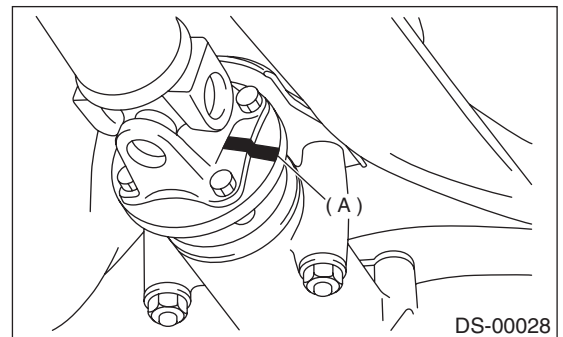
52 N·m (5.3 kgf-m, 38.3 ft-lb)



2) Align the matching marks and connect the flange yoke and rear differential.

Tightening torque:

31 N·m (3.2 kgf-m, 23.1 ft-lb)

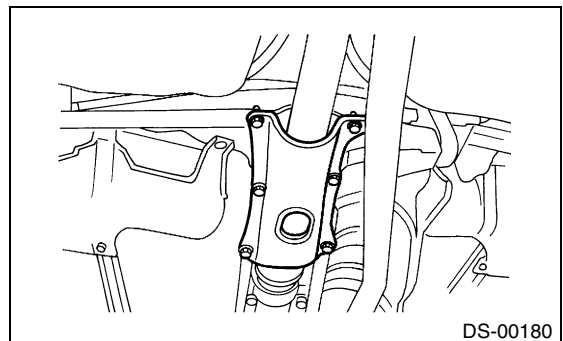


(A) Matching mark

3) Install the differential mount front cover.

Tightening torque:

88 N·m (9.0 kgf-m, 65 ft-lb)



4) Install the rear differential protector. (If equipped)

5) Install the rear exhaust pipe and muffler.

PROPELLER SHAFT

DRIVE SHAFT SYSTEM

C: INSPECTION

NOTE:

Do not disassemble propeller shaft. Check the following and replace if necessary.

- 1) Tube surfaces for dents or cracks
- 2) Splines for deformation or abnormal wear
- 3) Joints for non-smooth operation or abnormal noise
- 4) Center bearing for free play, noise or non-smooth operation
- 5) Oil seals for abnormal wear or damage
- 6) Center bearing for breakage

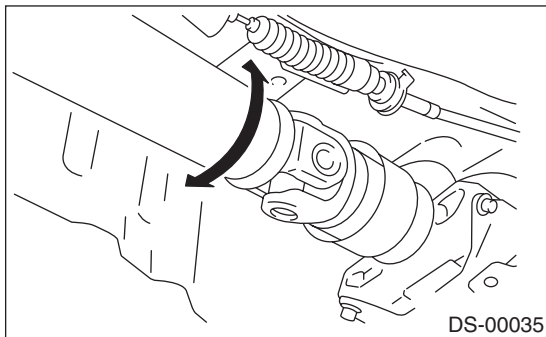
Check the following points with propeller shaft installed in vehicle.

1. JOINTS AND CONNECTIONS

- 1) Remove the rear exhaust pipes and muffler.
- 2) Remove the heat shield cover. (If equipped)
- 3) Check for any looseness of yoke flange connecting bolts and center bearing retaining bolts.

2. SPLINES AND BEARING LOCATIONS

- 1) Remove the rear exhaust pipe and muffler.
- 2) Remove the heat shield cover. (If equipped)
- 3) Turn the propeller shaft by hand to see if abnormal free play exists at splines. Also move yokes to see if the abnormal free play exists at spiders and bearings.



3. RUNOUT OF PROPELLER SHAFT

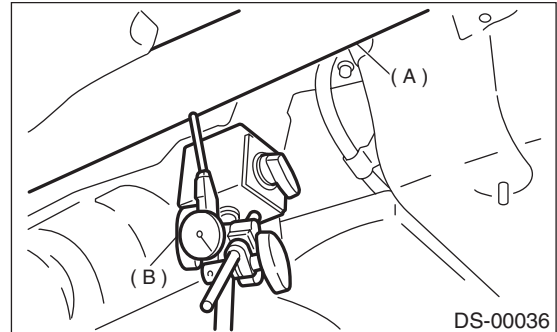
- 1) Remove the rear exhaust pipe and muffler.
- 2) Remove the heat shield cover. (If equipped)
- 3) Turn the rear wheels by hand to check for "runout" of propeller shaft.

NOTE:

Measure runout with a dial gauge at the center of front and rear propeller shaft tubes.

Runout:

Limit 0.6 mm (0.024 in)



- (A) Propeller shaft
(B) Dial gauge

4. CENTER BEARING FREE PLAY

- 1) Remove the rear exhaust pipe and muffler.
- 2) Remove the heat shield cover. (If equipped)
- 3) While holding propeller shaft near center bearing with your hand, move it up and down, and left and right to check for any abnormal bearing free play.

