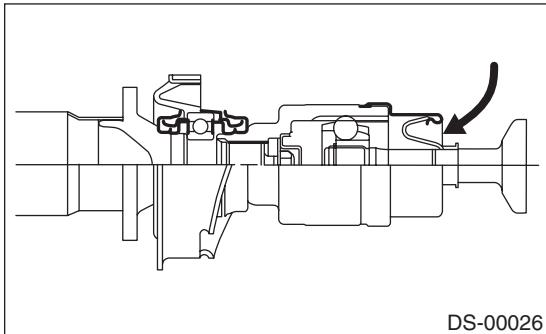


2. Propeller Shaft

A: REMOVAL

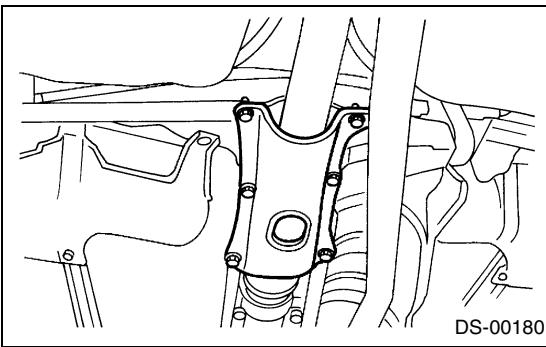
NOTE:

- 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.



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- 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.

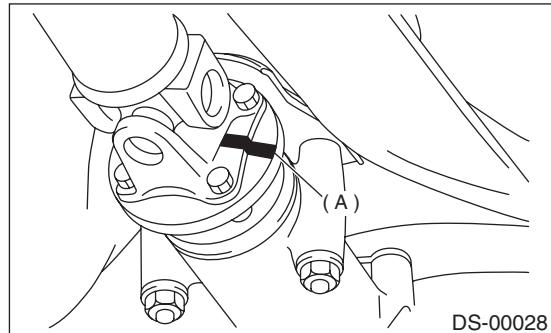


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- 9) Remove the four bolts which hold propeller shaft to rear differential.

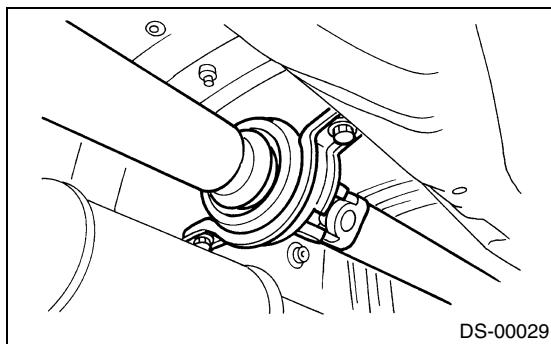
NOTE:

- 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.



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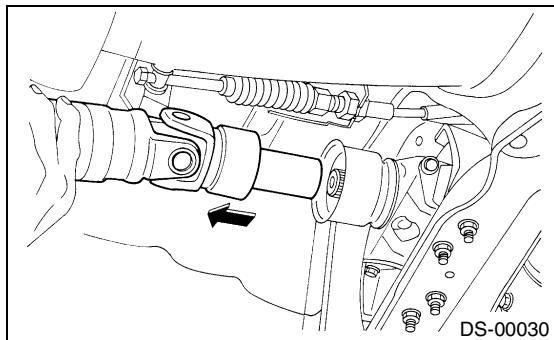
11) Remove the propeller shaft from the transmission.

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:

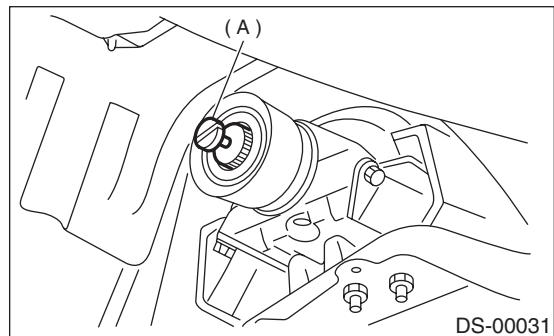
- Be sure to use an empty oil can to catch oil flowing out when removing propeller shaft.
- Be sure to plug the opening in transmission after removal of propeller shaft.



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.



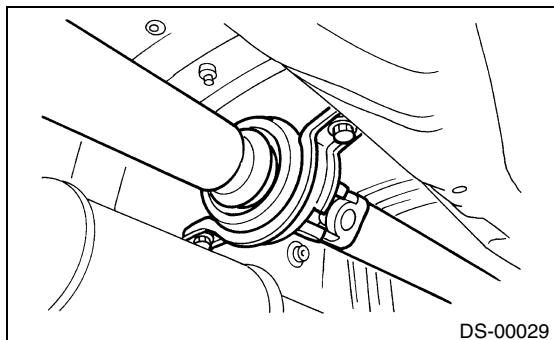
(A) Extension cap

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)

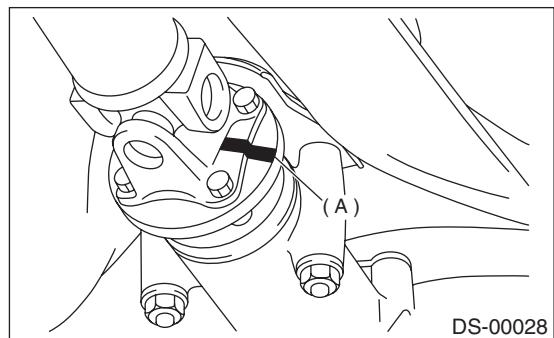


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2) Align the matching marks and connect the flange yoke and rear differential.

Tightening torque:

31 N·m (3.2 kgf-m, 23.1 ft-lb)



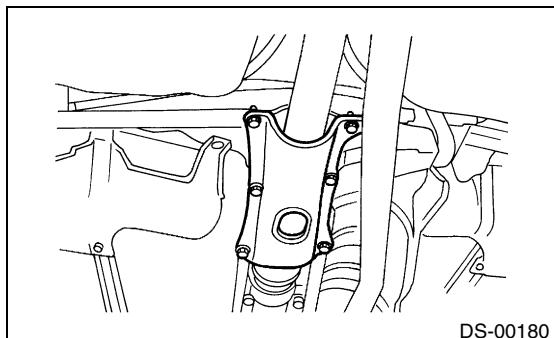
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(A) Matching mark

3) Install the differential mount front cover.

Tightening torque:

88 N·m (9.0 kgf-m, 65 ft-lb)



DS-00180

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

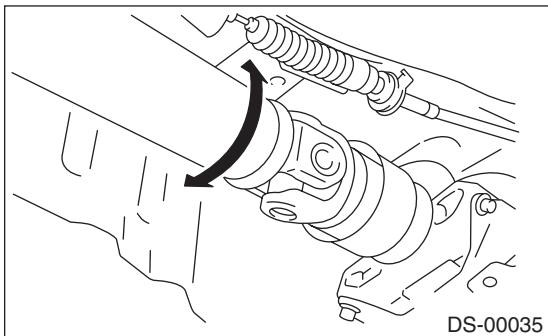
Check the following points with propeller shaft installed in vehicle.

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.



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3. RUNOUT OF PROPELLER SHAFT

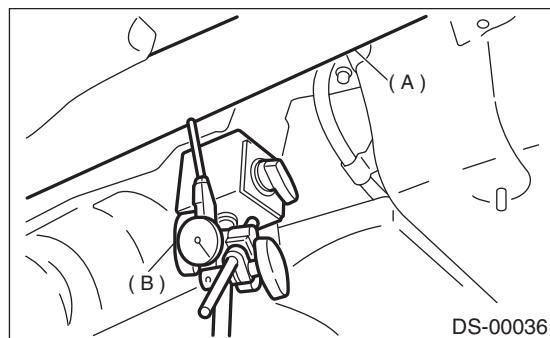
- 1) Remove the rear exhaust pipe and muffler.
- 2) Remove the heat shield cover. (If equipped)
- 3) Turn the rear wheels by hand to check for "runout" of propeller shaft.

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)



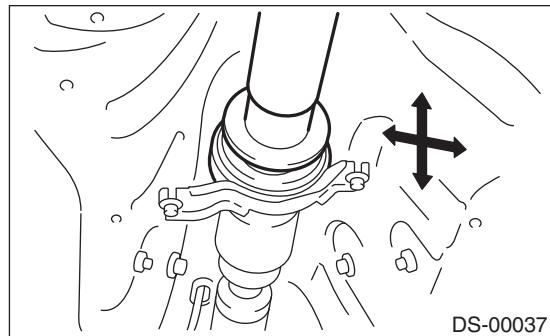
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(A) Propeller shaft

(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.



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