PROPELLER INTERMEDIATE SHAFT ASSY (B–TYPE)

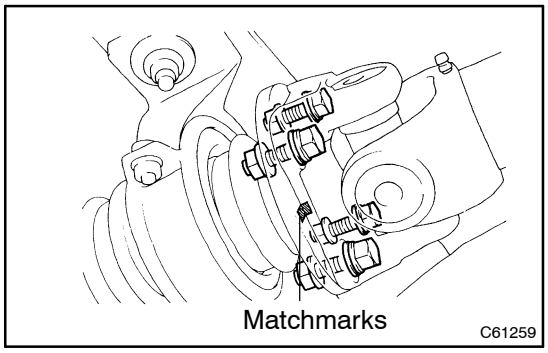
300IJ–01

OVERHAUL

HINT:

COMPONENTS: See page 30–4

1. REMOVE PROPELLER SHAFT ASSY (See page 30–6)

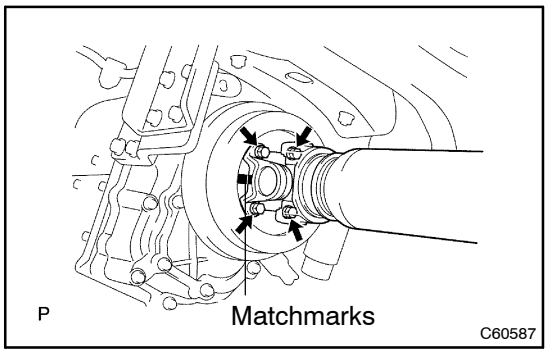


2. REMOVE PROPELLER INTERMEDIATE SHAFT ASSY

(a) Place matchmarks on the intermediate shaft flange and the flange yoke of the propeller shaft assy.

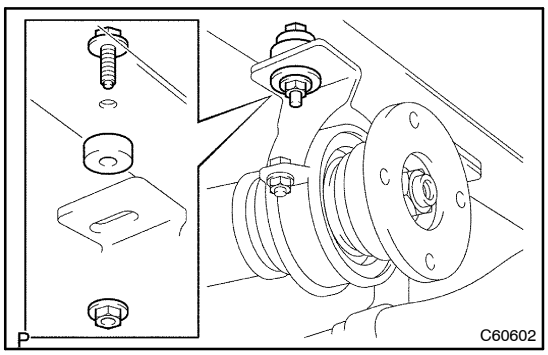
(b) Remove the 4 bolts, 4 nuts and 4 washers.

(c) Remove the intermediate shaft.

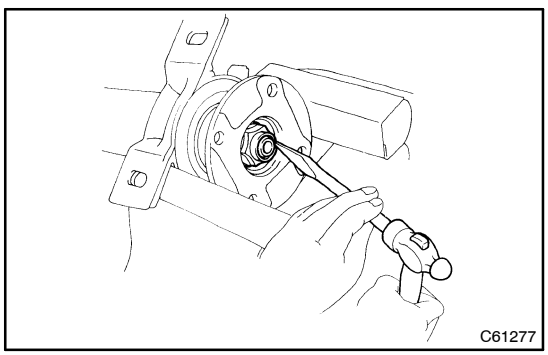


(d) Place matchmarks on the universal joint flange and parking brake drum.

(e) Remove the propeller shaft guard.



(f) Remove the propeller intermediate shaft assy.

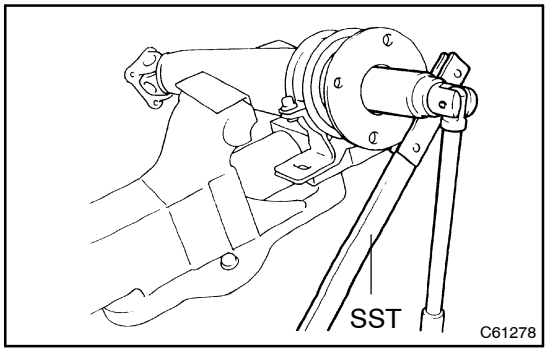


3. REMOVE CENTER SUPPORT BEARING ASSY NO.1

(a) Using a chisel and hammer, loosen the staked part of the lock nut.

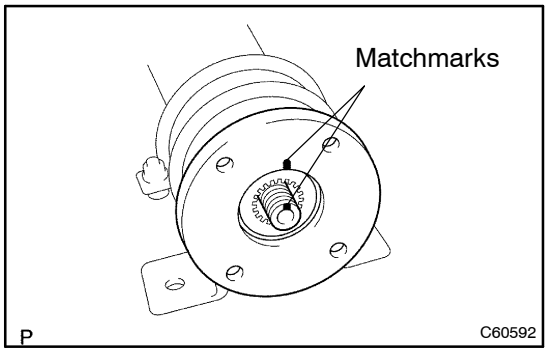
NOTICE:

Completely loosen the staked part of the lock nut, otherwise the screw of the propeller shaft may be damaged.

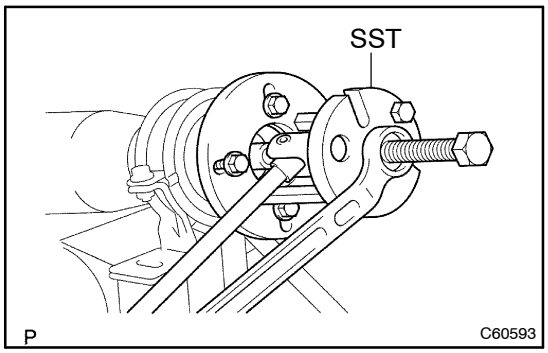


(b) Using SST, fix the flange.
SST 09330–00021

(c) Using a socket wrench (30 mm), remove the lock nut and washer.



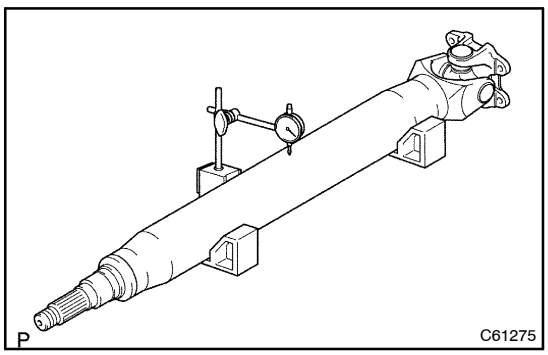
(d) Place matchmarks on the intermediate shaft and flange coupling.



(e) Using SST, separate the flange from the propeller shaft.
SST 09950–30012 (09951–03010, 09953–03010, 09954–03010, 09955–03030, 09956–03030)

NOTICE:
Apply oil to the thread and the tip of center bolt for using SST.

(f) Remove the center support bearing.

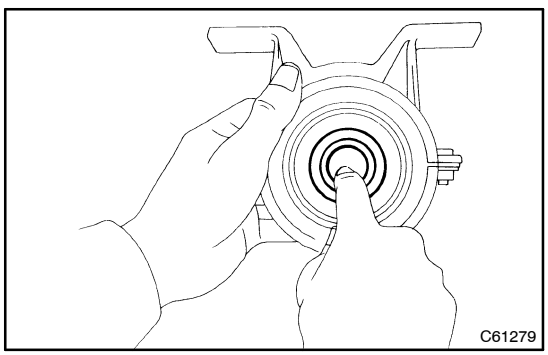


4. INSPECT PROPELLER INTERMEDIATE SHAFT ASSY

(a) Using a dial indicator, check the shaft runout.
Maximum runout: 0.8 mm (0.031 in.)

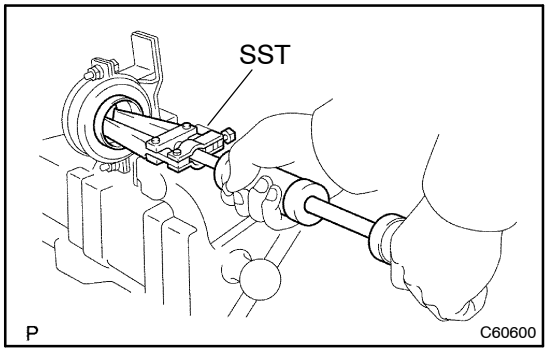
If the runout is greater than the maximum, replace the shaft.

NOTICE:
Set the dial indicator perpendicularly to the shaft center.



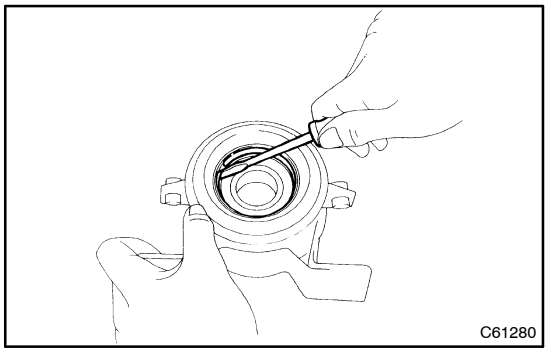
5. INSPECT CENTER SUPPORT BEARING ASSY NO.1

(a) When turning the center bearing by hand, check that it turns smoothly without catching and that there is no crack or damage.

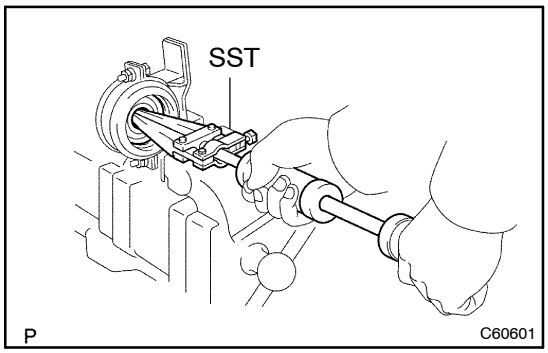


6. REPLACE DUST DEFLECTORS AND BEARING

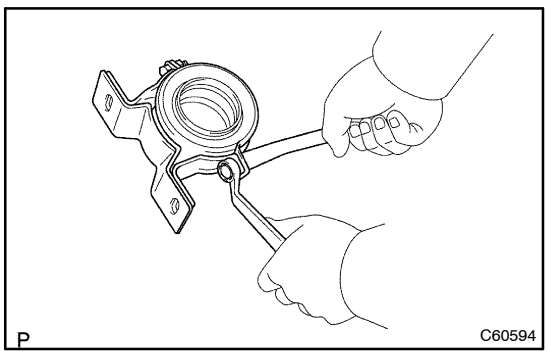
(a) Using SST, drive out the dust deflectors.
SST 09308–00010



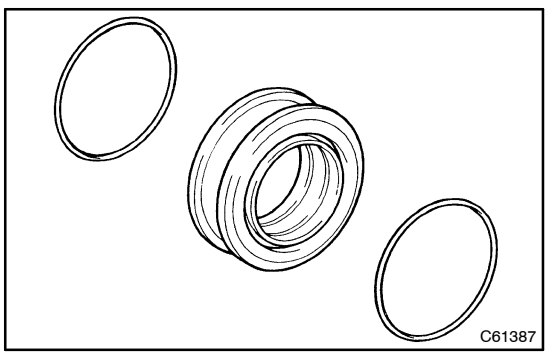
(b) Using a screwdriver, pry out the retainer rings from the bearing both sides.



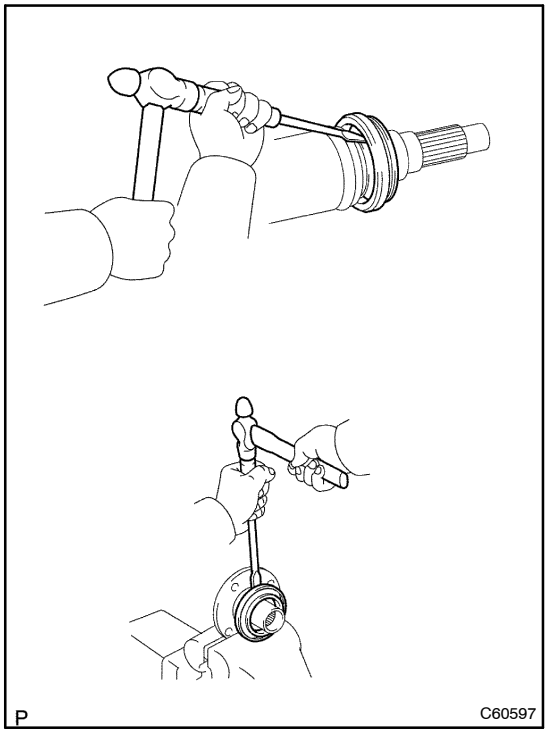
(c) Using SST, drive out the center support bearing.
SST 09308–00010



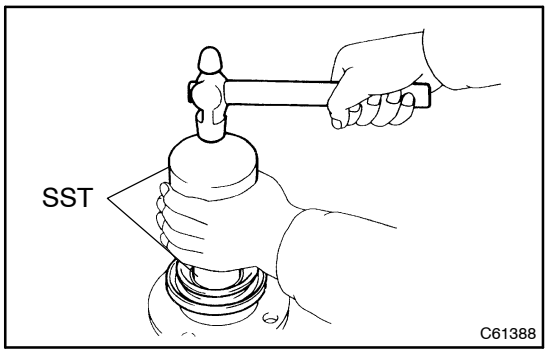
(d) Separate the center support bearing housings.



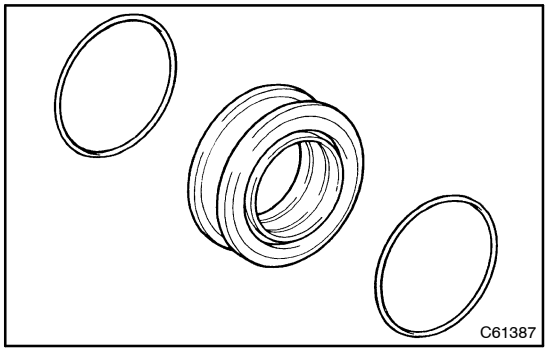
(e) Remove the set rings from the center support bearing cushion.



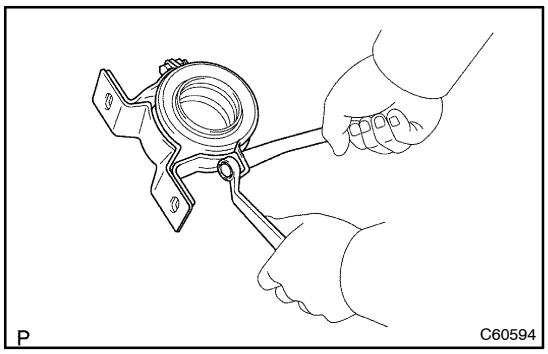
(f) Using a flat head screwdriver and a hammer, tap out the dust deflectors from the universal joint flange.



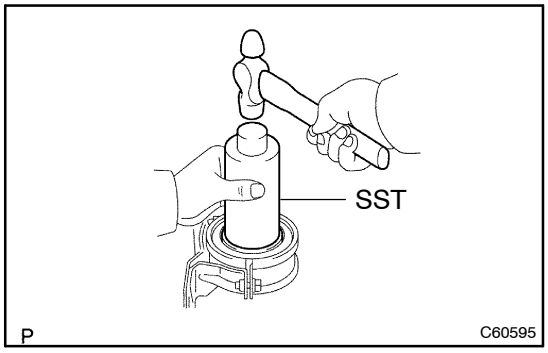
(g) Using SST and a hammer, tap in new dust deflectors to the intermediate shaft and universal joint flange.
SST 09309–37010, 09710–28021 (09710–08031)



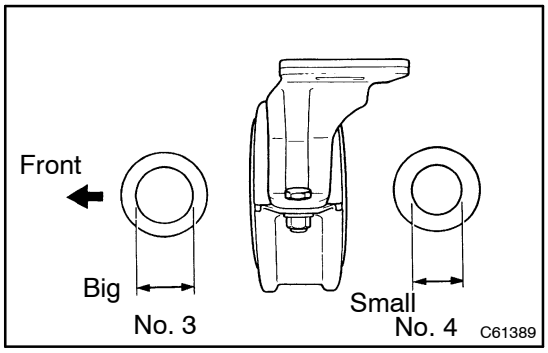
(h) Install the set rings to the center support bearing cushion.



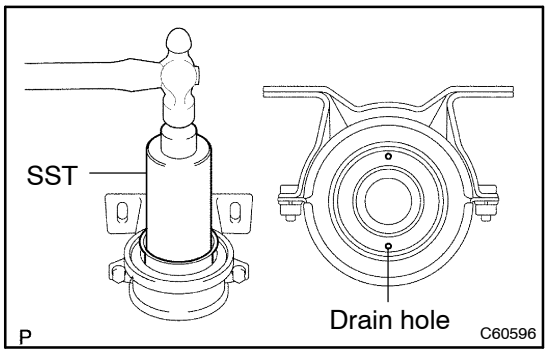
(i) Assemble the center support housing.
Torque: 24.6 N·m (250 kgf·cm, 18 ft·lbf)



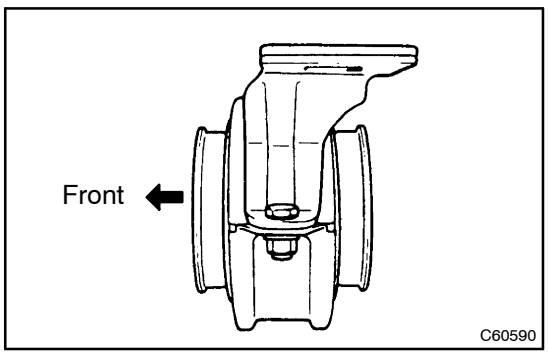
(j) Using SST, tap in the bearing.
SST 09316–60011 (09316–00011)



(k) Lightly apply MP grease to the dust deflector fitting surface of the center bearing.
(l) Install the dust deflector No. 3 and No. 4, as shown in the illustration.

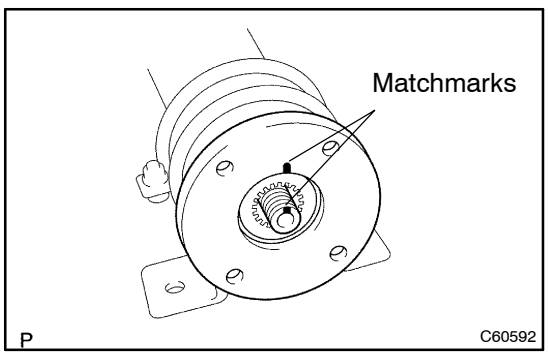


(m) Using SST and a hammer, install the dust deflectors so that the drain holes are perpendicular to the vehicle.
SST 09316–60011 (09316–00011)

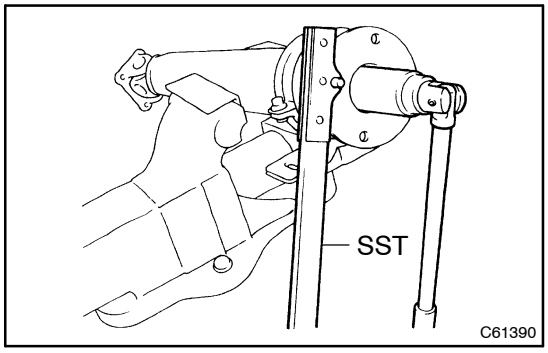


(n) Install the center support bearing assy to the intermediate shaft.

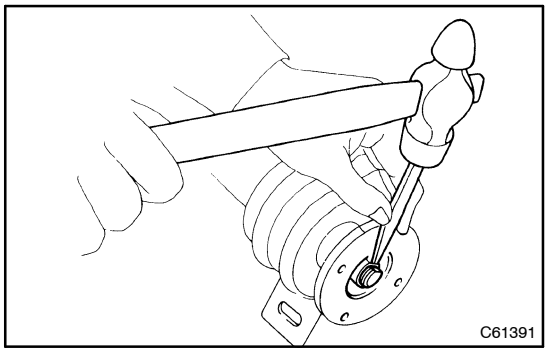
NOTICE:
Install the center bearing assy, as shown in the illustration.



(o) After aligning the matchmarks of the flange coupling and shaft, insert the flange coupling into the spline of the shaft.



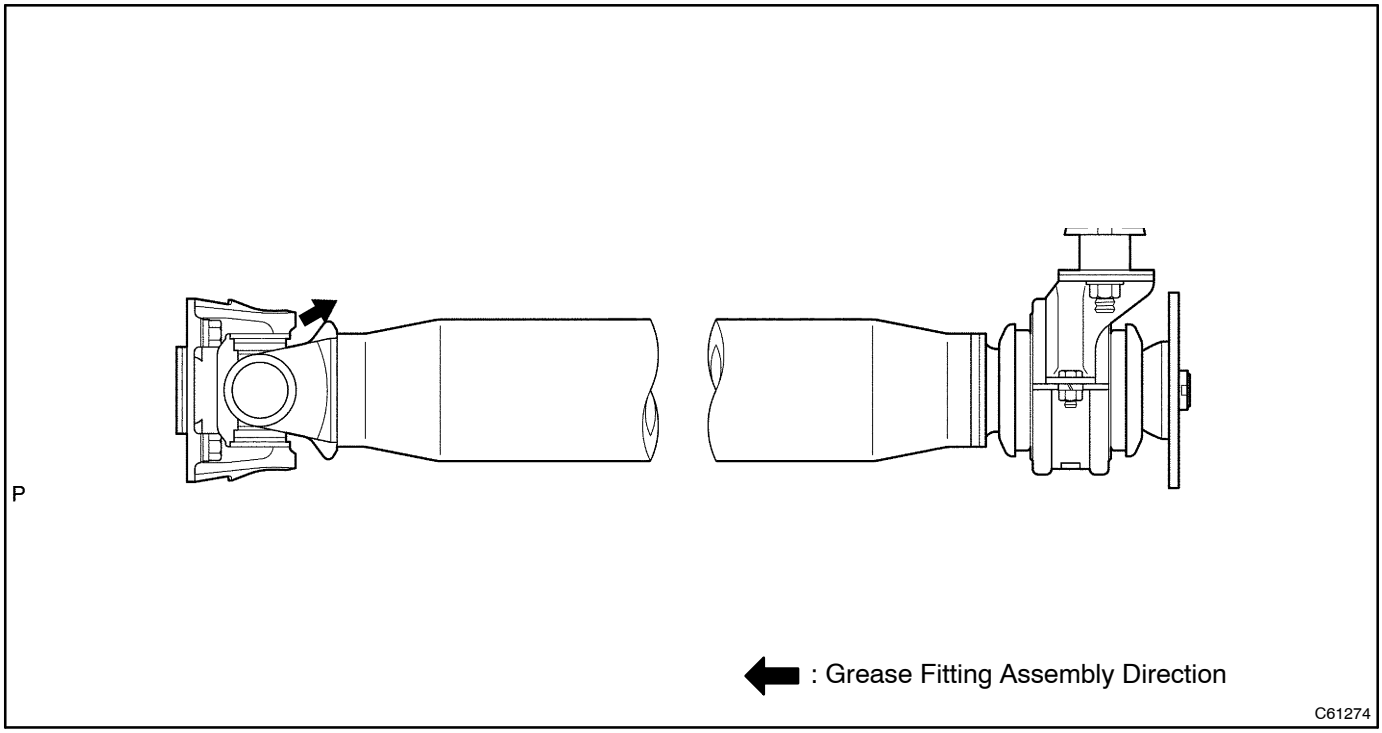
(p) Using SST, fix the flange and tighten a new lock nut with a socket wrench (30 mm).
SST 09330–00021
Torque: 166.7 N·m (1700 kgf·cm, 123 ft·lbf)

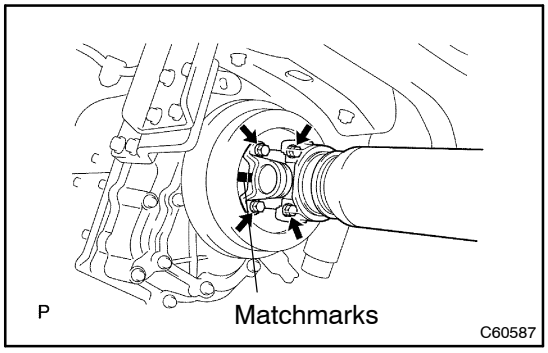


(q) Using a chisel and a hammer, stake the lock nut.

7. INSPECT PROPELLER INTERMEDIATE SHAFT ASSY

HINT:
When replacing the spider bearing, be sure that the grease fitting assembly hole is facing to the direction shown in the illustration.

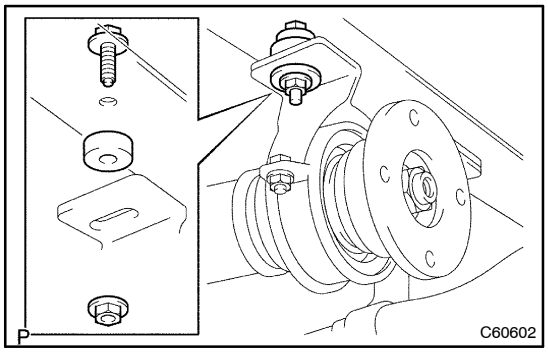




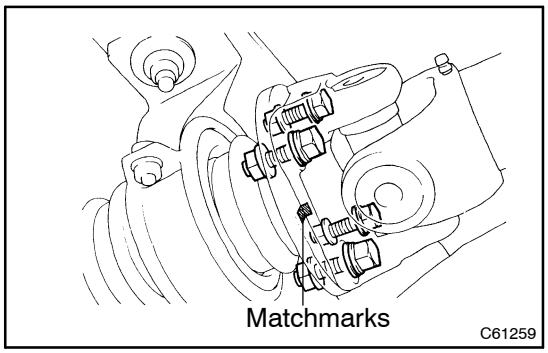
8. INSTALL PROPELLER INTERMEDIATE SHAFT ASSY

(a) Align the matchmarks on the yoke and parking brake drum down or flange.

(b) Install the 4 bolts, 4 washers and 4 nuts.
Torque: 88.2 N·m (900 kgf·cm, 65.5 ft·lbf)

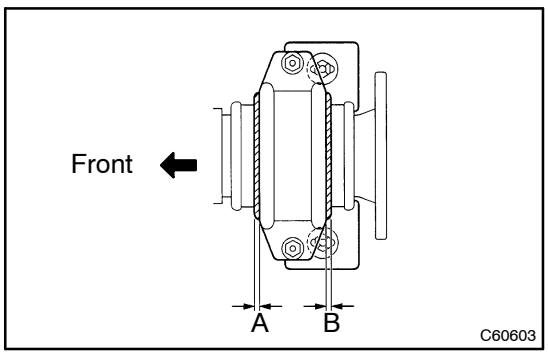


(c) Temporarily attach the center support bearing bracket temporarily.



(d) Alight the matchmarks on the intermediate shaft assy and propeller shaft assy.

(e) Install the 4 bolts and 4 washers.
Torque: 88.2 N·m (900 kgf·cm, 65.5 ft·lbf)



(f) Adjust the cushion rubber so that the front and rear ends of the rubber have the same distance (A and B) from the housing, when no one is present in the vehicle. Then tighten the nuts.
Torque: 37 N·m (370 kgf·cm, 27 ft·lbf)

(g) After completing the installation, make sure that the bracket center line is at the right angle to the intermediate shaft.

9. INSTALL PROPELLER SHAFT ASSY (See page 30–6)