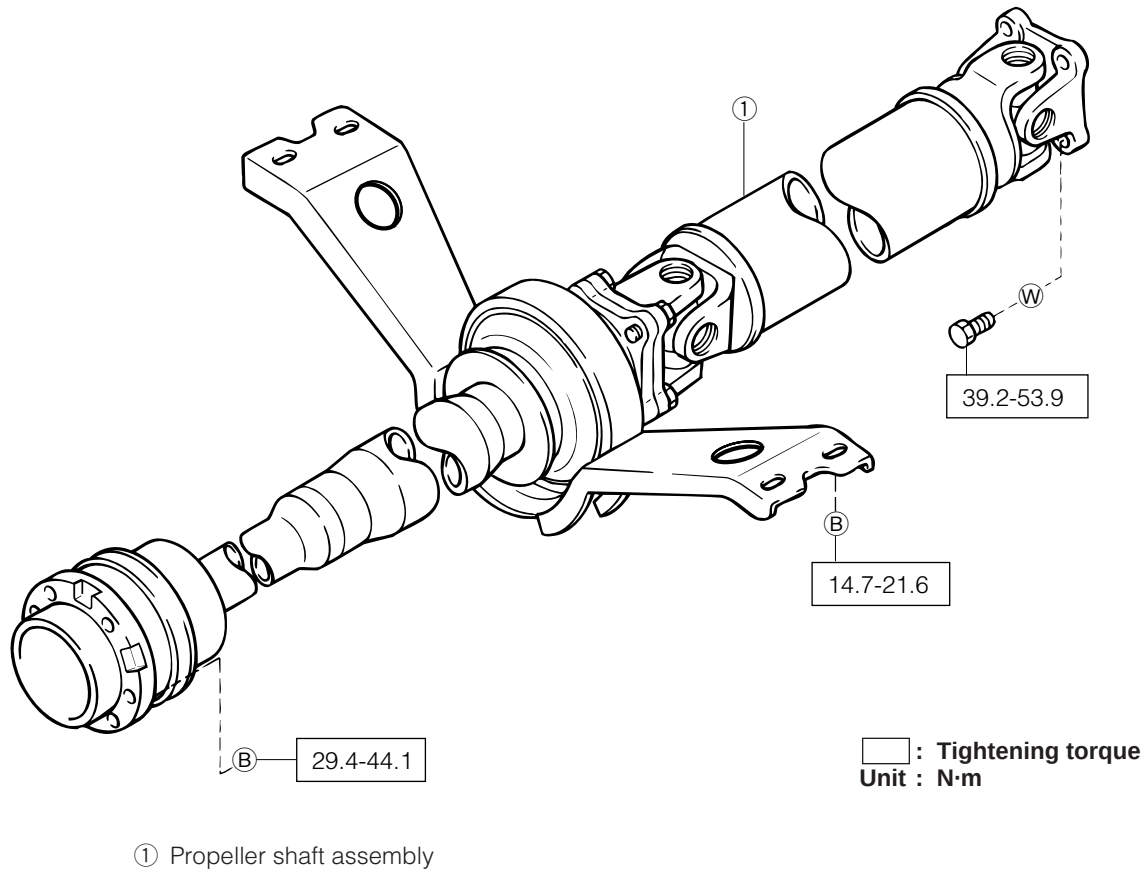


PROPELLER SHAFT

PROPELLER SHAFT	PR-2
COMPONENTS	PR-2
REMOVAL	PR-2
INSPECTION	PR-3
ASSEMBLY	PR-4
TIGHTENING TORQUE	PR-5

MPR00001-00000

PROPELLER SHAFT COMPONENTS



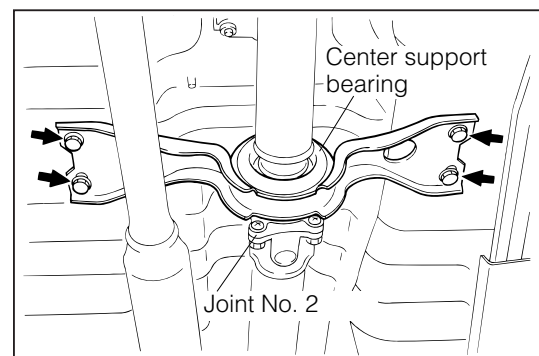
MPR00002-00001

REMOVAL

1. Remove the propeller shaft.
 - (1) Remove the four bolts at the center support bearing section of the propeller shaft assembly.

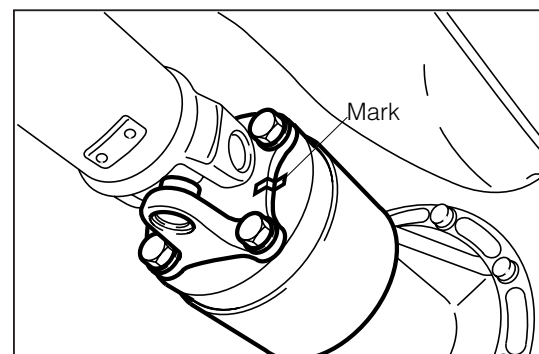
NOTE:

- Be very careful not to apply load to the center support bearing and second joint section.



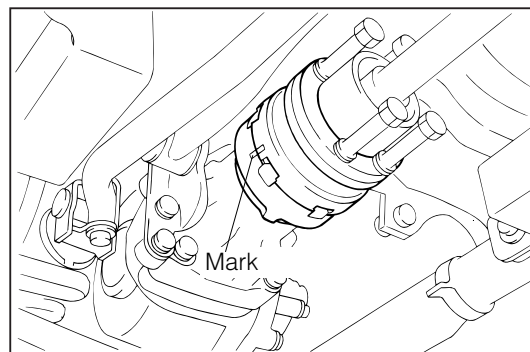
MPR00003-00002

- (2) Put mating marks on the flange yoke of the propeller shaft assembly and the companion flange of the differential carrier assembly. Remove the propeller shaft assembly.



MPR00004-00003

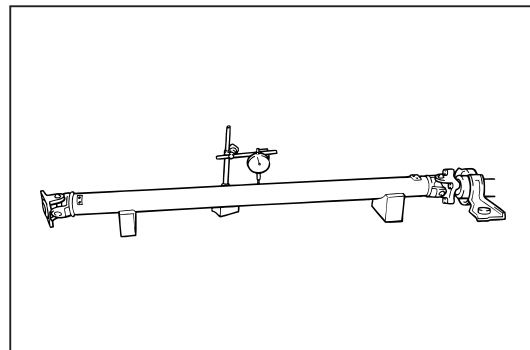
- (3) Put mating marks on the flange yoke of the propeller shaft assembly and the companion flange of the transfer. Remove the propeller shaft assembly.



MPR00005-00004

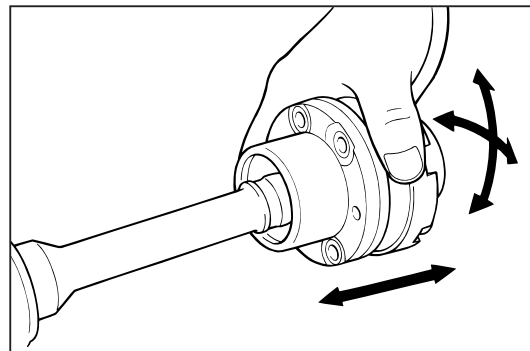
INSPECTION

1. Bend of propeller shaft
Place both ends of the propeller shaft assembly and propeller intermediate shaft assembly on V-blocks. With a dial gauge applied to the center part, measure the runout.
Specified Value: Within 0.5 mm TIR



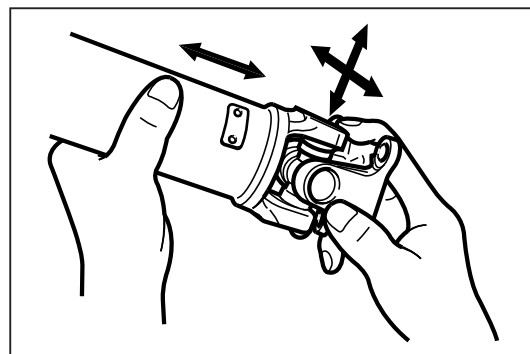
MPR00006-00005

2. Operation check of cross groove joint section
Move the cross groove joint section in up-and-down, right-and-left and axial directions. Replace propeller shaft, if not smooth in operation or excessive play.



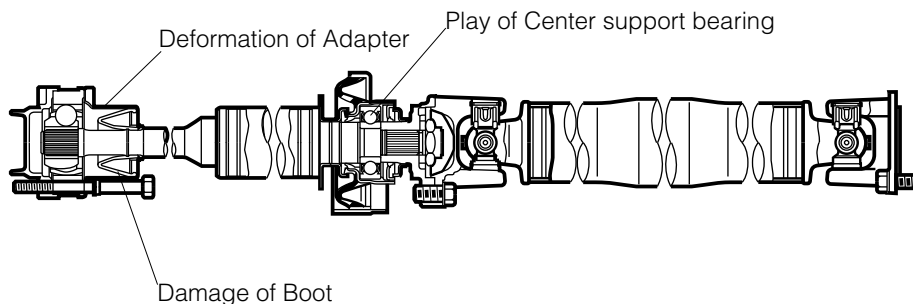
MPR00007-00006

3. Operation check of hook type joint section
Move the hook type joint section in the up-and-down, right-and-left and axial directions. Replace propeller shaft, if not smooth in operation or excessive play.



MPR00008-00007

4. Check each section for wear, damage, deformation and excessive play.



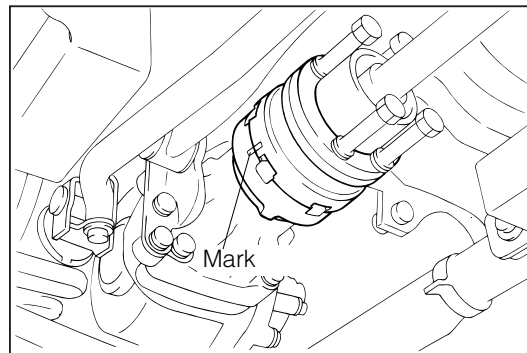
MPR00009-00008

ASSEMBLY

1. Align the mating marks on the flange yoke at the front side of the propeller shaft assembly and the companion flange of the transfer. Temporarily assemble the four bolts.

NOTE:

- Be very careful not to apply load to the center support bearing and second joint section.



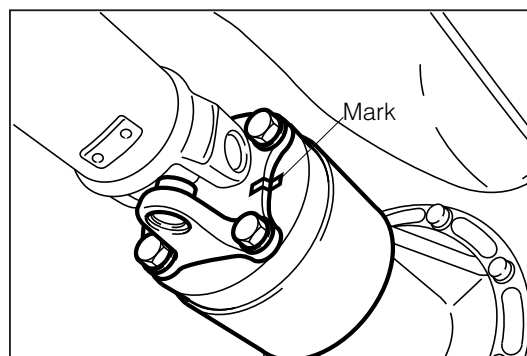
MPR00010-00009

2. Align the mating marks on the flange yoke at the rear side of the propeller shaft assembly and the companion flange of the differential carrier assembly. Tighten the four bolts to the specified torque.

Specified Torque: 39.2 - 53.9 N·m

NOTE:

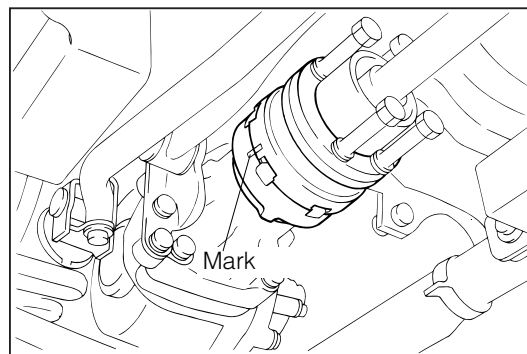
- Be very careful not to apply load to the center support bearing and second joint section.



MPR00011-00010

3. Tighten the four bolts at the flange yoke to the specified torque.

Specified Torque: 29.4 - 44.1 N·m



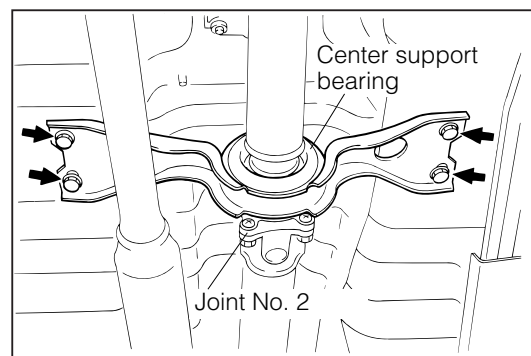
MPR00012-00011

4. Tighten the four bolts at the center support bearing section of the propeller shaft assembly to the specified torque.

Specified Torque: 14.7 - 21.6 N·m

NOTE:

- This operation should be carried out only under the unloaded state after the propeller shaft, transfer and differential have been assembled.



MPR00013-00012

TIGHTENING TORQUE

Tightening components	Tightening torque	
	N·m	Kgf-m
Propeller shaft assembly × Transfer	29.4 - 44.1	3.0 - 4.5
Propeller shaft assembly × Rear differential assembly	39.2 - 53.9	4.0 - 5.5
Propeller shaft assembly × Body	14.7 - 21.6	1.5 - 2.2

MPR00014-00000