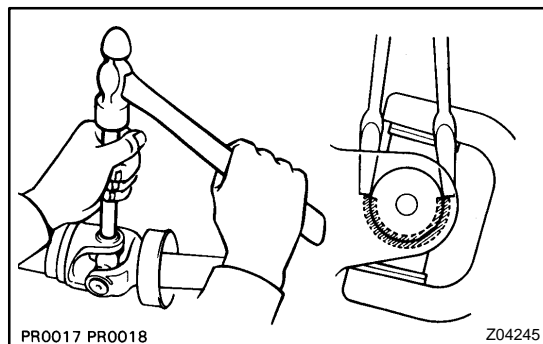


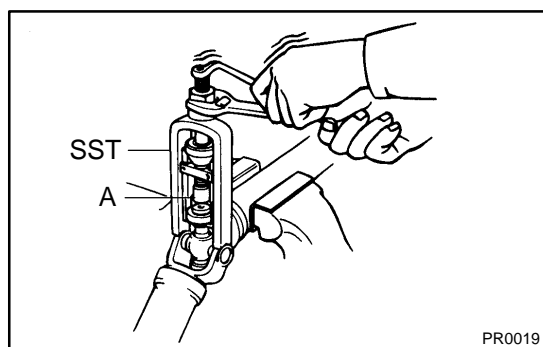
SPIDER BEARING REPLACEMENT

PR01D-02

1. REMOVE PROPELLER SHAFT
2WD: (See page [PR-4](#))
4WD: (See page [PR-8](#))
2. PLACE MATCHMARKS ON SHAFT AND YOKE



3. REMOVE SNAP RINGS
 - (a) Using a brass bar and hammer, slightly tap in the bearing outer races.
 - (b) Using 2 screwdrivers, remove the 4 snap rings from the grooves.



4. REMOVE SPIDER BEARINGS

NOTICE:

Be careful not to grip the propeller shaft tube too tightly in a vise as this will cause deformation.

- (a) Using SST, push out the bearing from the propeller shaft.
SST 09332-25010

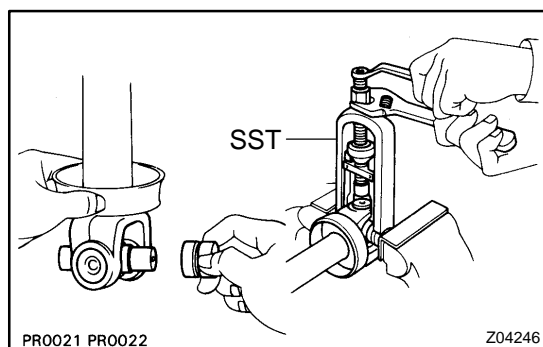
HINT:

Sufficiently raise the part indicated by "A" so that it does not come into contact with the bearing.

- (b) Clamp the bearing outer race in a vise and tap off the propeller shaft with a hammer.

HINT:

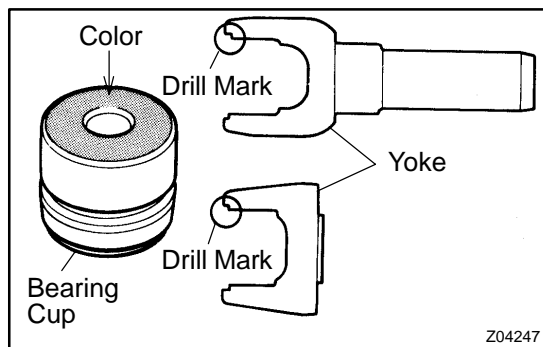
Remove the bearing on opposite side in the same procedure.



- (c) Install the 2 removed bearing outer races to the spider.
- (d) Using SST, push out the bearing from the yoke.
SST 09332-25010
- (e) Clamp the outer bearing race in a vise and tap off the yoke with a hammer.

HINT:

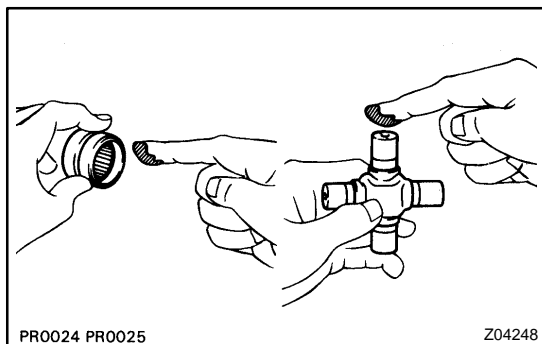
Remove the bearing on the opposite side in the same procedure.



5. SELECT SPIDER BEARING

Select the bearing according to whether or not there is a drill mark on the yoke section.

| Yoke | Bearing |
|-----------------|-----------------------|
| With drill mark | With color mark (Red) |
| No drill mark | No color mark |



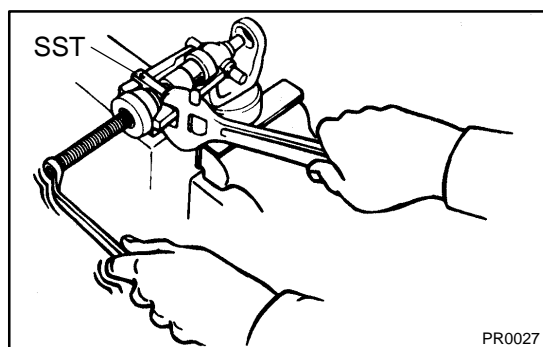
6. INSTALL SPIDER BEARINGS

- (a) Apply MP grease to a new spider and bearings.

NOTICE:

Be careful not to apply too much grease.

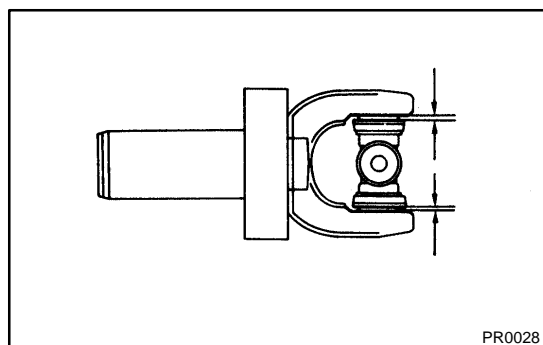
- (b) Align the matchmarks on the yoke and shaft.



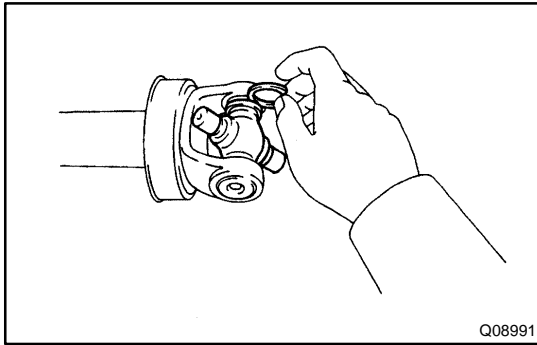
- (c) Fit the spider into the yoke.

- (d) Using SST, install new bearings on the spider.

SST 09332-25010



- (e) Using SST, adjust both bearings so that the snap ring grooves are at maximum and equal widths.



7. INSTALL SNAP RINGS

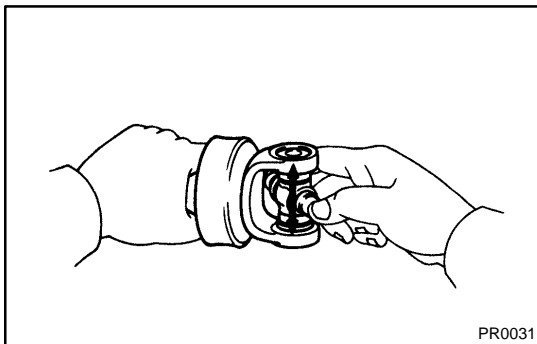
- (a) Install 2 new snap rings of equal thickness which will allow 0 - 0.05 mm (0 - 0.0020 in.) axial play.

HINT:

Do not reuse the snap rings.

| Color or Mark | Thickness mm (in.) |
|---------------|---------------------------------|
| 1 | 2.100 - 2.150 (0.0827 - 0.0846) |
| 2 | 2.150 - 2.200 (0.0846 - 0.0866) |
| 3 | 2.200 - 2.250 (0.0866 - 0.0886) |
| Brown | 2.250 - 2.300 (0.0886 - 0.0906) |
| Blue | 2.300 - 2.350 (0.0906 - 0.0925) |
| 6 | 2.350 - 2.400 (0.0925 - 0.0945) |
| 7 | 2.400 - 2.450 (0.0945 - 0.0965) |
| 8 | 2.450 - 2.500 (0.0965 - 0.0984) |

- (b) Using a hammer, tap the yoke until there is no clearance between the bearing outer race and snap ring.



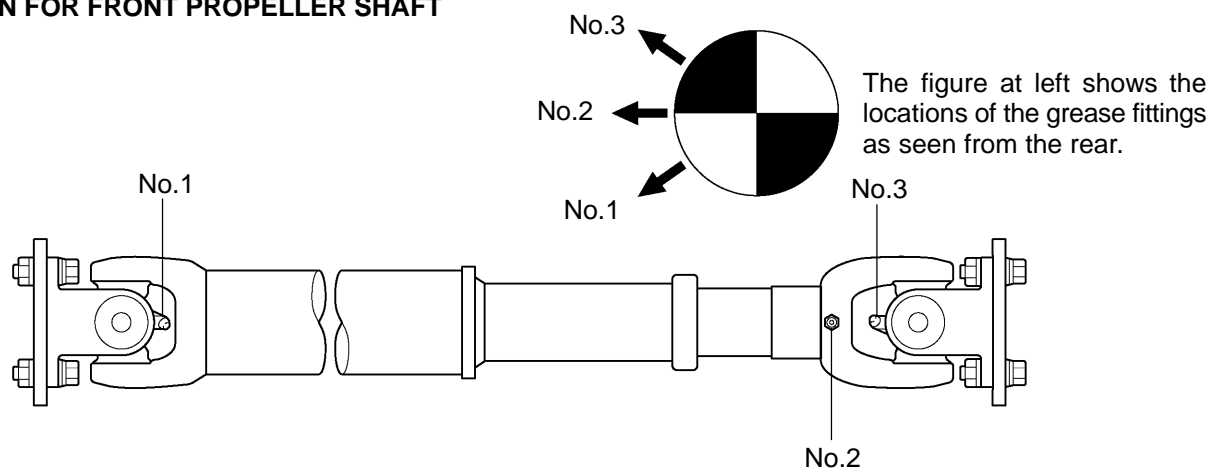
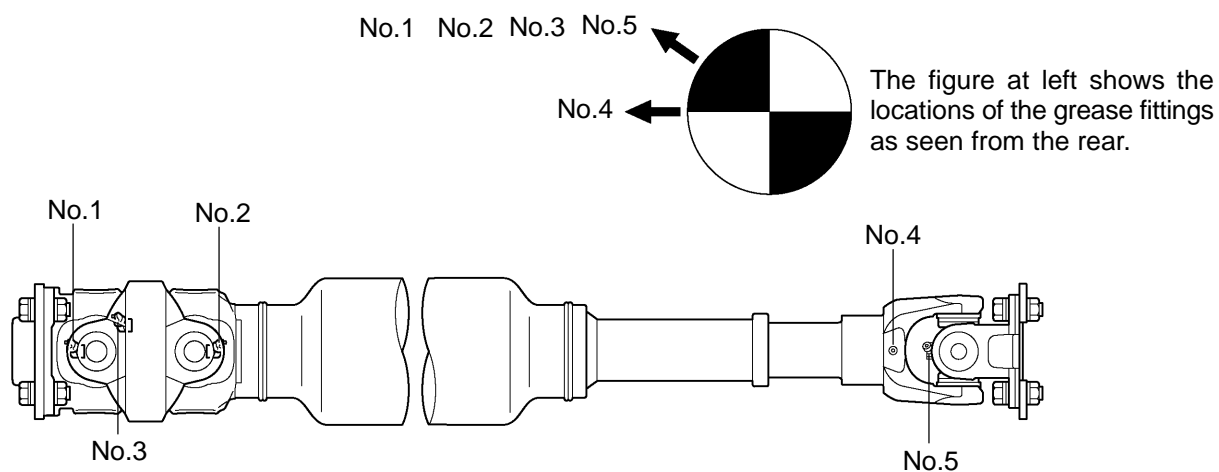
8. CHECK SPIDER BEARING

- (a) Check that the spider bearing moves smoothly.
 (b) Check the spider bearing axial play.

Bearing axial play: Maximum 0.05 mm (0.0020 in.)

HINT:

- Install new spider bearings on the shaft side in the procedure described above.
- When replacing the propeller shaft spider on 4WD vehicles, be sure that the grease fitting assembly hole is facing in the direction shown in the illustrations.

**SPIDER GREASE FITTING ASSEMBLY
DIRECTION FOR FRONT PROPELLER SHAFT**

**SPIDER GREASE FITTING ASSEMBLY
DIRECTION FOR REAR PROPELLER SHAFT**


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