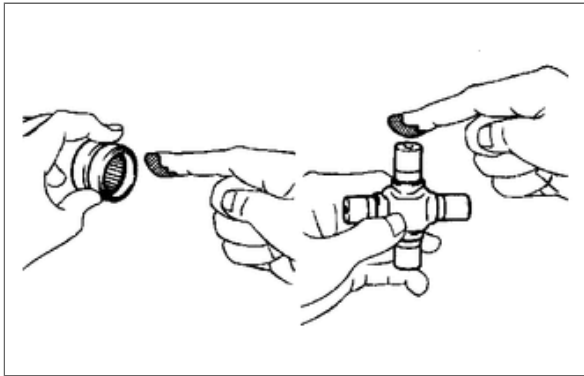


CAUTION / NOTICE / HINT**NOTICE:**

- When using a vise, place aluminum plates between the part and vise.
- When using a vise, do not overtighten it.

PROCEDURE**1.INSTALL SPIDER BEARING****HINT:**

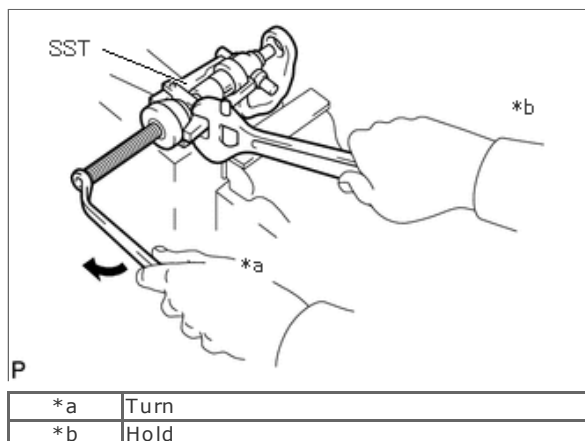
Use the same procedure for both spiders.

a.

Apply MP grease to a new spider and new spider bearing.

NOTICE:

Do not apply too much MP grease.

b. Install the spider to the propeller shaft.**c.**

Using SST, install 2 of the spider bearings to the spider.

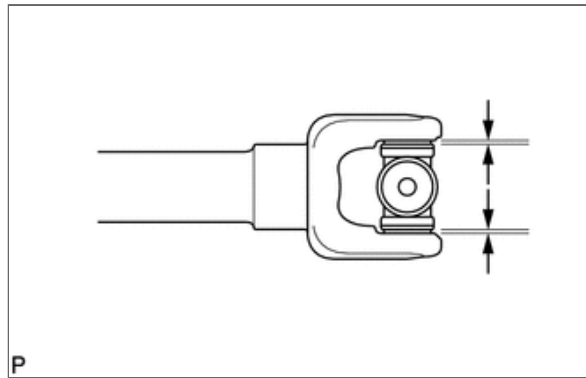
SST

09332-25010

d. Using SST, adjust both spider bearings so that the front propeller shaft joint spider bearing snap ring grooves are at maximum and equal in width.**SST**

09332-25010

e.



Install 2 new front propeller shaft joint spider bearing snap rings of equal thickness which will allow no axial play.

HINT:

Do not reuse the front propeller shaft joint spider bearing snap rings.

Standard Snap Ring Thickness

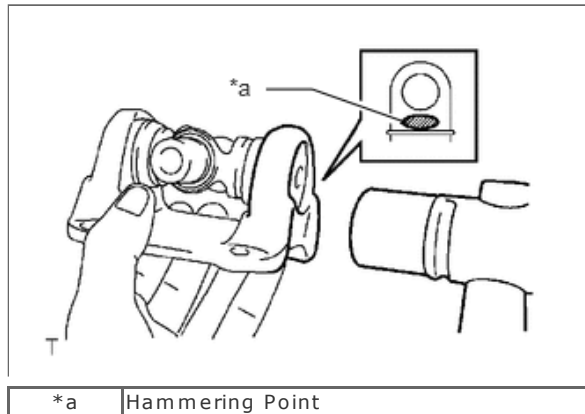
Color	Mark	Thickness
-	J	2.18 to 2.20 mm (0.0859 to 0.0866 in.)
-	K	2.20 to 2.22 mm (0.0867 to 0.0874 in.)
-	F	2.22 to 2.24 mm (0.0875 to 0.0881 in.)
-	G	2.24 to 2.26 mm (0.0882 to 0.0889 in.)
-	H	2.26 to 2.28 mm (0.0890 to 0.0897 in.)
-	1	2.28 to 2.30 mm (0.0898 to 0.0905 in.)
-	2	2.30 to 2.32 mm (0.0906 to 0.0913 in.)
-	-	2.32 to 2.34 mm (0.0914 to 0.0921 in.)
Brown	-	2.34 to 2.36 mm (0.0922 to 0.0929 in.)
Blue	-	2.36 to 2.38 mm (0.0930 to 0.0937 in.)
-	6	2.38 to 2.40 mm (0.0938 to 0.0944 in.)
-	7	2.40 to 2.42 mm (0.0945 to 0.0952 in.)
-	8	2.42 to 2.44 mm (0.0953 to 0.0960 in.)
-	九	2.44 to 2.46 mm (0.0961 to 0.0968 in.)
-	10	2.46 to 2.48 mm (0.0969 to 0.0976 in.)
-	A	2.48 to 2.50 mm (0.0977 to 0.0984 in.)
-	B	2.50 to 2.52 mm (0.0985 to 0.0992 in.)
-	C	2.52 to 2.54 mm (0.0993 to 0.0999 in.)
-	D	2.54 to 2.56 mm (0.1000 to 0.1007 in.)

Color	Mark	Thickness
-	E	2.56 to 2.58 mm (0.1008 to 0.1015 in.)

NOTICE:

- Use a new front propeller shaft joint spider bearing snap ring.
- Use front propeller shaft joint spider bearing snap ring with as close to the same thickness as possible on both ends.

f.



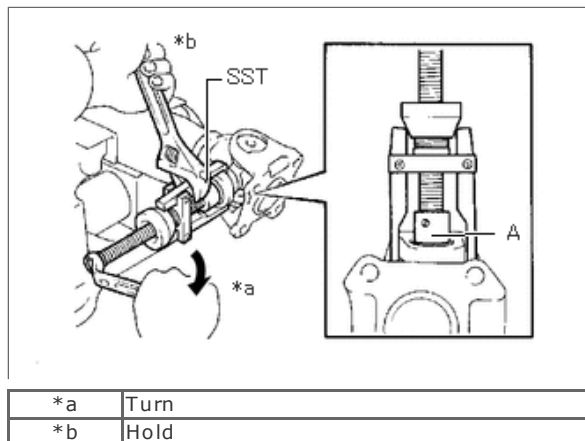
Using a hammer, tap the flange yoke until there is no clearance between the spider bearing outer race and front propeller shaft joint spider bearing snap ring.

HINT:

Install the spider bearing on the sleeve side using the procedure described above.

g. Align the matchmarks on the flange yoke and sleeve yoke.

h.



Using SST, install the 2 spider bearings to the spider.

SST

09332-25010

HINT:

Before installing SST, sufficiently raise the part labeled A. If the part labeled A is too low, it may be difficult to install SST.

i. Using SST, adjust both spider bearings so that the front propeller shaft joint spider bearing snap ring grooves are at maximum and equal in width.

SST

09332-25010

j. Install 2 new front propeller shaft joint spider bearing snap rings of equal thickness which will allow 0 mm (0 in.) of axial play.

HINT:

Do not reuse the front propeller shaft joint spider bearing snap rings.

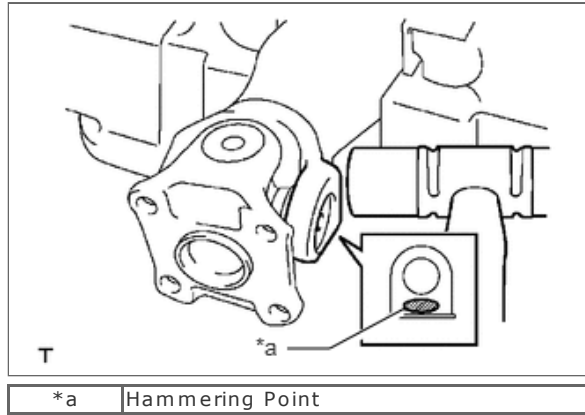
Standard Snap Ring Thickness

Color	Mark	Thickness
-	J	2.18 to 2.20 mm (0.0859 to 0.0866 in.)
-	K	2.20 to 2.22 mm (0.0867 to 0.0874 in.)
-	F	2.22 to 2.24 mm (0.0875 to 0.0881 in.)
-	G	2.24 to 2.26 mm (0.0882 to 0.0889 in.)
-	H	2.26 to 2.28 mm (0.0890 to 0.0897 in.)
-	1	2.28 to 2.30 mm (0.0898 to 0.0905 in.)
-	2	2.30 to 2.32 mm (0.0906 to 0.0913 in.)
-	-	2.32 to 2.34 mm (0.0914 to 0.0921 in.)
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-	8	2.42 to 2.44 mm (0.0953 to 0.0960 in.)
-	九	2.44 to 2.46 mm (0.0961 to 0.0968 in.)
-	10	2.46 to 2.48 mm (0.0969 to 0.0976 in.)
-	A	2.48 to 2.50 mm (0.0977 to 0.0984 in.)
-	B	2.50 to 2.52 mm (0.0985 to 0.0992 in.)
-	C	2.52 to 2.54 mm (0.0993 to 0.0999 in.)
-	D	2.54 to 2.56 mm (0.1000 to 0.1007 in.)
-	E	2.56 to 2.58 mm (0.1008 to 0.1015 in.)

NOTICE:

- Use a new front propeller shaft joint spider bearing snap ring.
- Use front propeller shaft joint spider bearing snap rings with as close to the same thickness as possible on both ends.

k.



Using a plastic-faced hammer, tap the flange yoke until there is no clearance between the spider bearing outer race and front propeller shaft joint spider bearing snap ring.

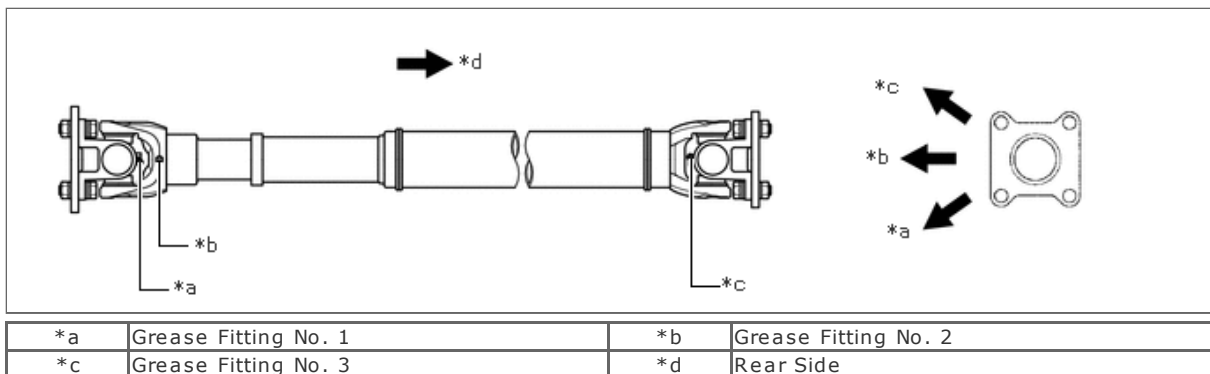
HINT:

Install the spider bearing on the sleeve side using the procedure described above.

2.INSPECT PROPELLER SHAFT GREASE FITTING DIRECTION

HINT:

- When replacing a spider bearing, be sure that the grease fitting hole is facing the direction shown in the illustration.
- Fill the grease fittings with MP grease.



3.INSPECT SPIDER BEARING

[Click here](#)Drivetrain>DRIVE SHAFT / PROPELLER SHAFT>FRONT PROPELLER SHAFT ASSEMBLY>INSPECTION