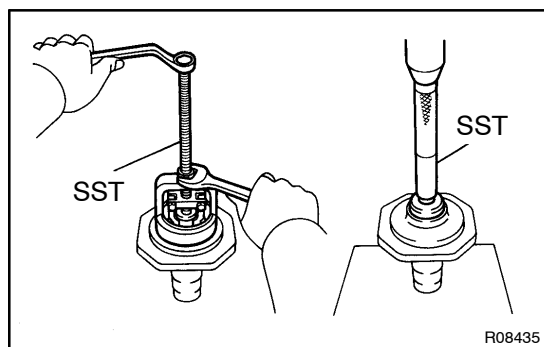


REPLACEMENT

1. INSPECT KNUCKLE SPINDLE

Clean the knuckle spindle and inspect the bushing for wear or damage.

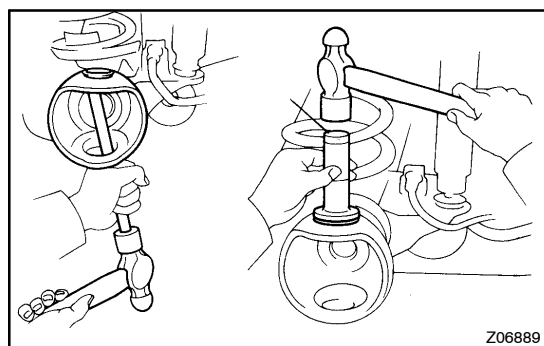


2. REPLACE BUSHING

- (a) Using SST, remove the bushing.
SST 09612-65014 (09612-01010, 09612-01050)
- (b) Using SST and a press, install a new bushing into the spindle.
SST 09618-60010

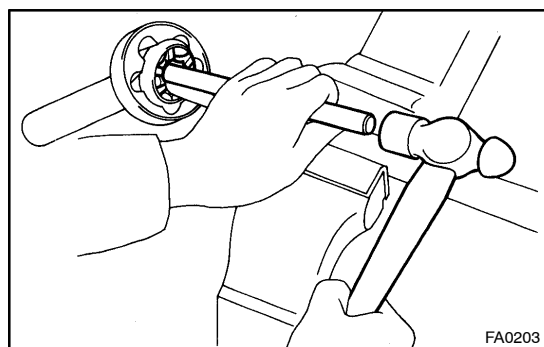
3. INSPECT BEARING

Clean the bearing and 2 outer races and inspect them for wear or damage.



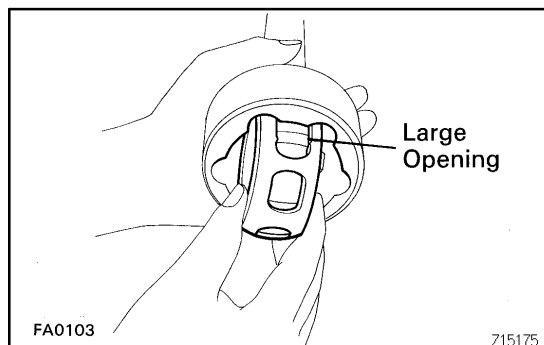
4. IF NECESSARY, REPLACE BEARING OUTER RACE

- (a) Using a brass bar and hammer, remove the bearing outer race.
- (b) Using SST and a hammer, carefully install a new bearing outer race.
SST 09605-60010

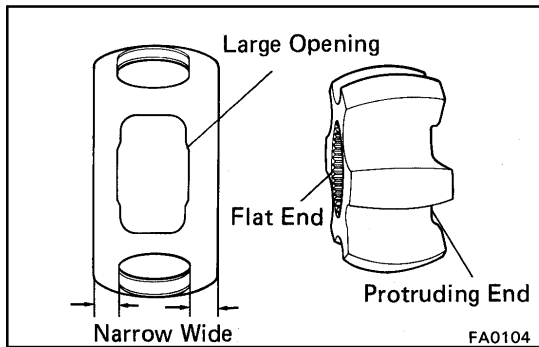


5. INSPECT BIRFIELD JOINT INNER PARTS

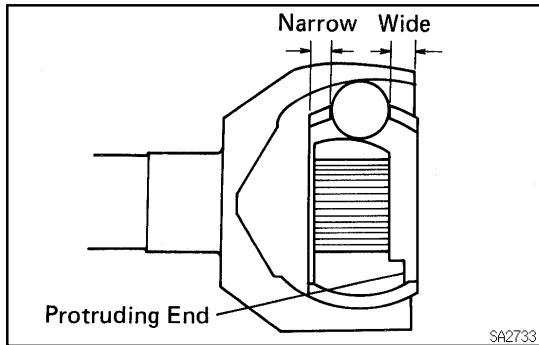
- (a) Hold the inner shaft in a vise.
- (b) Place a brass bar against the joint inner race and remove the outer shaft.
- (c) Tilt the inner race and cage and take out the bearing balls one by one.



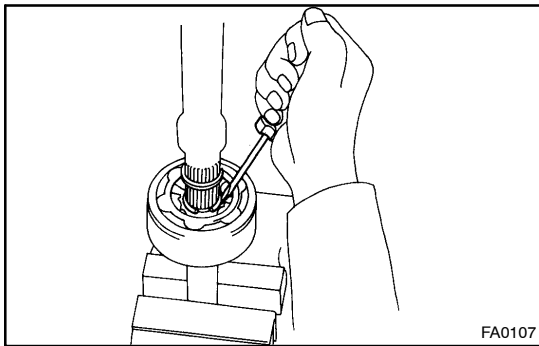
- (d) Fit the 2 large openings in the cage against the protruding parts of the outer shaft and remove the cage and inner race.
- (e) Remove the inner race from the cage through the large opening.
- (f) Clean and inspect the joint parts for wear or damage.



- (g) Coat the joint inner parts and outer shaft inside with molybdenum disulfide lithium base grease, NLGI No.2.
- (h) Install the inner race in the cage through the large opening.
- (i) Position the protruding end of the inner race toward the wide side of the cage.
- (j) Assemble the cage and inner race to the outer shaft by fitting the 2 large openings in the cage against the protruding parts of the outer shaft.



- (k) Make sure to position the wide side of the cage and the inner race protruding end outward.
- (l) Fit in the inner race and cage and install the 6 bearing balls in the outer shaft (See step (c)).
- (m) Pack molybdenum disulfide lithium base grease, NLGI No.2 in the outer shaft.
- (n) Install a new snap ring on the inner shaft.



- (o) Hold the outer shaft in a vise and while compressing the snap ring, install the inner shaft to the outer shaft.
- (p) Make sure that the inner shaft cannot be pulled out.