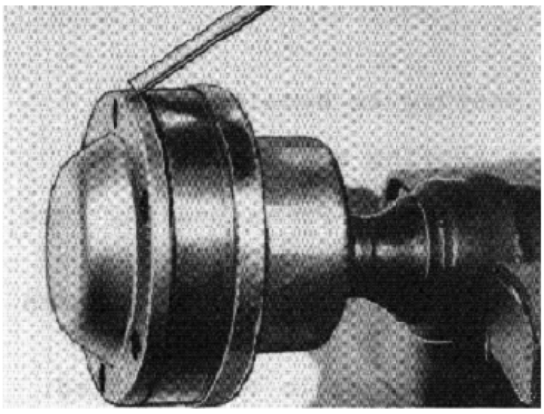


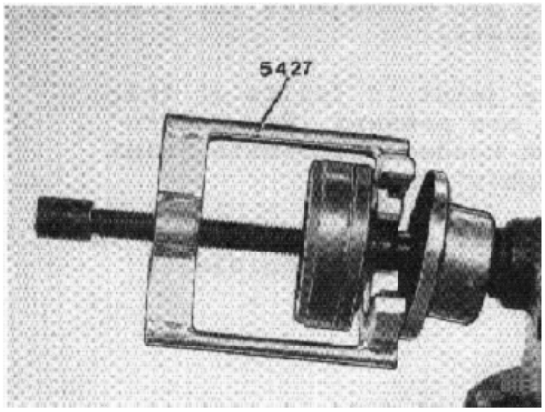
Rear joint/gaiter, replacement

Check for play in joint. If present, replace complete joint.
Tap off front and rear joint covers.
Remove circlip.

Withdraw joint from shaft

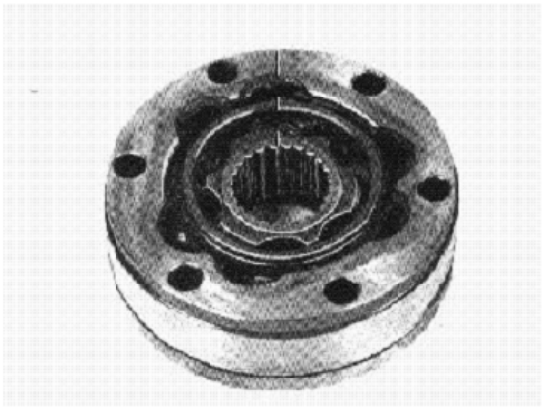
Use tool **999 5427** .

Note! **Never** load Joint axially **by pulling** or **tapping outer ring. This may cause the ball cage to crack.**



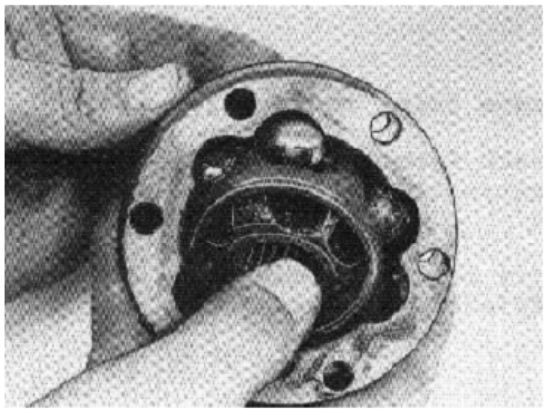
Undo clip and remove original gaiter and cover from shaft. Wash shaft end clean.
If complete joint is to be replaced, proceed to section commencing '**Lubricate joint thoroughly**' **Lubricate joint thoroughly** .

Mark outer race, ball cage and inner race in relation to each other

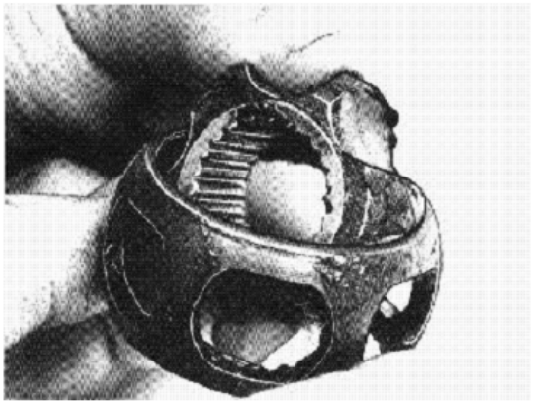


Use electric engraving pen.

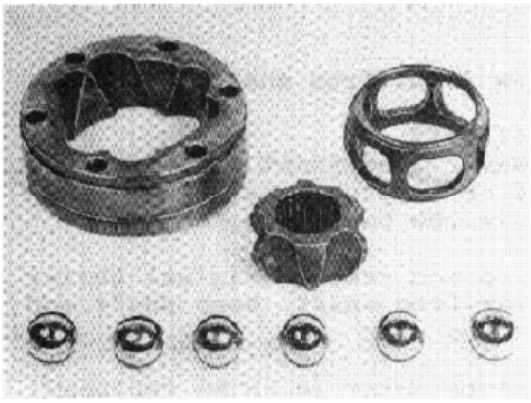
Rotate inner race and cage



Remove balls (in clockwise direction) one by one
Use engraved mark as starting point for removal.
Store balls in order of removal to ensure re-installation in the same position.



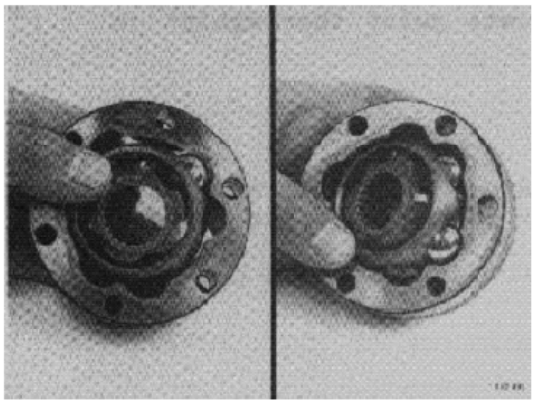
Turn inner race 90° in relation to cage.
Remove race



Clean components thoroughly

Inspect all components for cracking, scoring etc.
Replace joint if faults of this nature are present. Proceed to **Lubricate joint thoroughly** .

Note! Small scores or pitting in ball races are permissible.

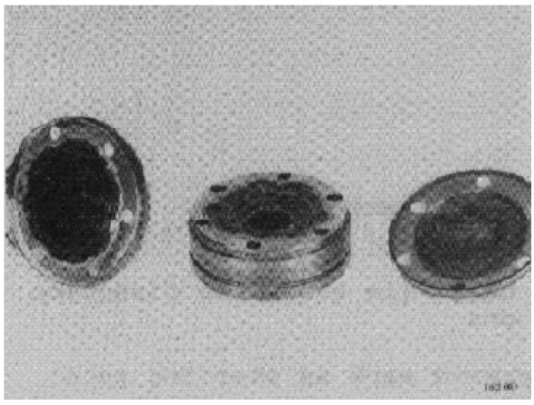


Install inner race in cage as illustrated

Align markings with each other and install one ball.

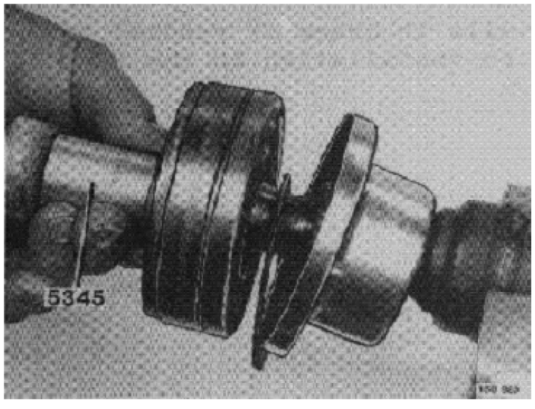
Note! location of ball.

Install inner race and cage with ball in outer cage in accordance with markings.
Turn inner race and cage, and place other balls, one by one, in original positions.



Lubricate joint thoroughly

Also pack front cover facing gaiter, and centre of rear cover, with grease.
Quantity of grease supplied in tube is sufficient for one joint.

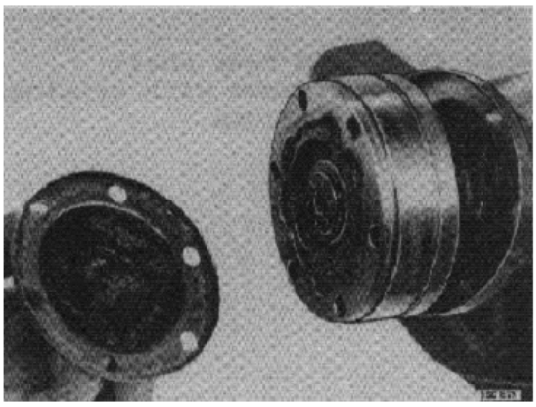


Install gaiter and seal on shaft

Tap joint into position against stop on shaft
Use drift **999 5345** .
Install new circlip, ensuring that it is fully seated in groove
Note marking in relation to shaft tube (applies only if original joint is reinstalled).

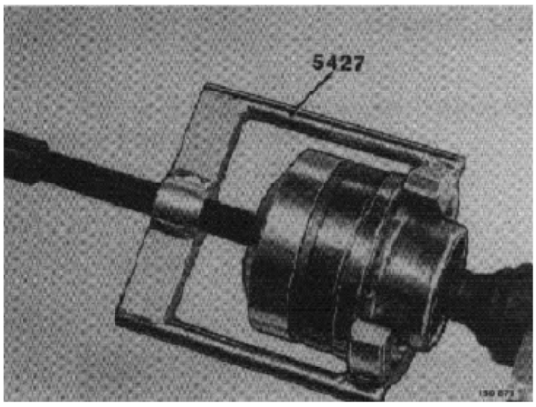
Ensure that sealing face at rear of joint is free of grease

Use small amount of grease to locate seal at front of joint. Use sealant, P/N 1 161 099-5, on rear cover.



Press front and rear covers into position

Use tool **999 5427** .

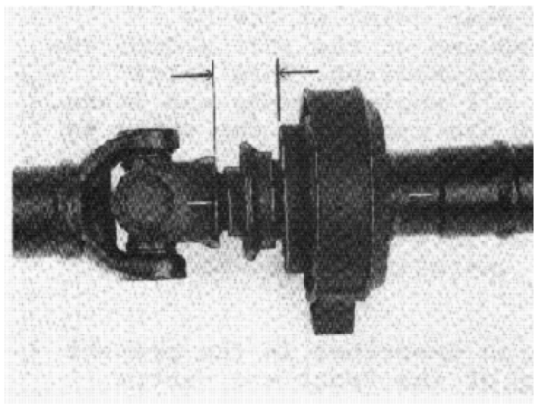


Fit gaiter in recess on propeller shaft. Install clip with projections facing gaiter

Tighten with flat-nose pliers. Fold clip ends as illustrated .

Ensure that gaiter on rear section of shaft is in position

Coat splined section with thin layer of rust inhibitor.
Assemble front and rear shaft sections in accordance with original markings and dimensions.



Dimensions for checking shaft overall length:

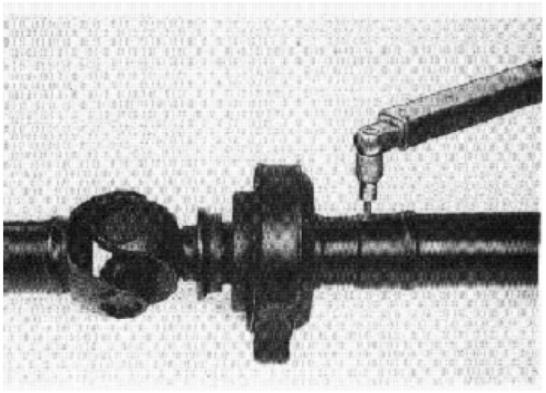
Conditions: Straight shaft with joint mating surfaces parallel.

960 with B 6304 F engine and AW 30-43 transmission:

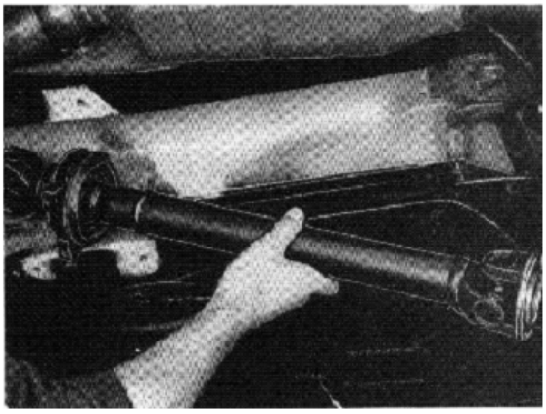
- **Min**. 1553.0 ± 0.5 mm with CV joint compressed in **foremost** position.
- **Max**. 1575.0 ± 0.5 mm with CV joint extended to **rearmost** position.

760 with B 280 engine and AW 71 transmission:

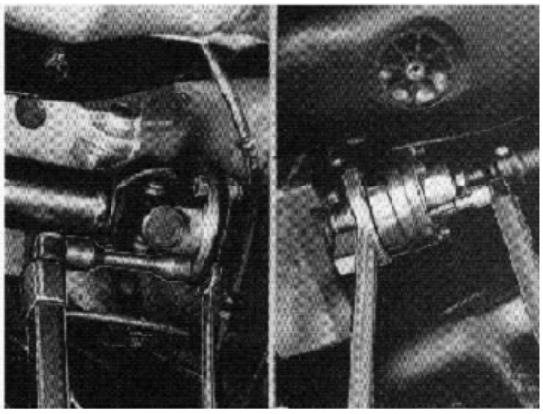
- **Min**. 1728.3 ± 0.5 mm with CV joint compressed in **foremost** position.
- **Max**. 1750.3 ± 0.5 mm with CV joint extended to **rearmost** position.



Apply locking fluid to stop screw and tighten to 18 Nm
Install gaiter on front section of shaft.



Check that mating surfaces on transmission, rear axle and propeller shaft drive flanges are free of dirt and corrosion.
Insert propeller shaft from front. Reinstall bearing bracket and bolts.
Do not tighten bolts at this stage

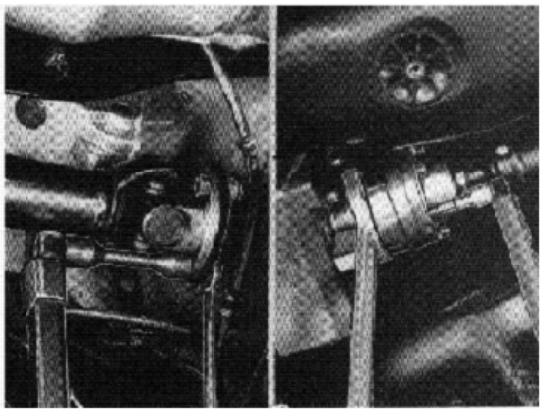


Install front drive flange in accordance with original marking

Use new bolts and nuts. Tighten bolts alternately to **50 Nm**. Use tool **999 5299** .

Install rear drive flange in accordance with original markings

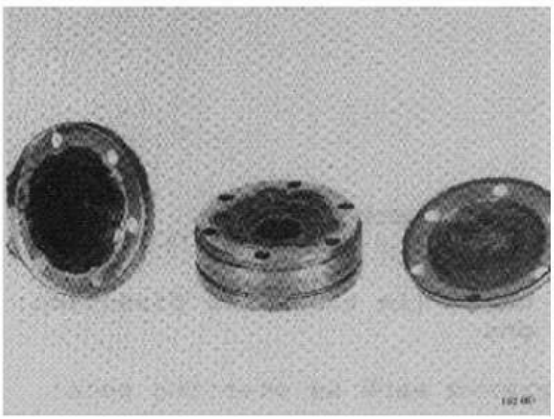
Use new bolts. First tighten bolts alternately to **8 Nm. Then, tighten alternately to 30 Nm**. Use counterhold **999 5426** . Commence tightening with same bolt on each occasion.



Tighten intermediate bearing crossmember bolts to 25 Nm

Ensure that bearing is correctly located.
Tighten bolts to **25 Nm**.
Install tank support and tighten bolts to 20 ± 2 Nm

Lubricate joint thoroughly



Also pack front cover facing gaiter, and centre of rear cover, with grease. Quantity of grease supplied in tube is sufficient for one joint.