



VOLVO

WORKSHOP BULLETIN

CARS

RE:	REAR AXLE	PRODUCT	P
	140, 164, 1800	GROUP	46
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Drive shaft bearings

From 1970 models, the 140 and 1800 have been fitted with the same type of drive shaft bearings as used in the 164. Essentially this is an improvement, not least from the servicing point of view. The bearing is fitted as an integral unit and cannot be adjusted. Previous measuring and adjusting of the axial clearance are, therefore, excluded.

However, it may be necessary during fault tracing to decide whether the axial clearance is within acceptable values.

For loose bearings (not fitted on drive shafts), the axial clearance may be min. 0.17 mm (0.007") and max. 0.43 mm (0.017"). When the bearing is fitted on the drive shaft, the clearance is reduced considerably and can be reduced still more when the drive shaft is installed in the rear axle. For measuring the clearance in the vehicle, it has been established that it should vary between 0.01 and 0.35 mm (0.0004 and 0.014").

Measuring in the vehicle is as follows:

1. Remove the rear wheel and brake pads.
2. Tension securely an iron clamp (2, see Fig.) to the brake caliper boss with the help of tool SVO 2809. Place the magnetic stand (3) of the measuring gauge against the iron clamp.
3. Place a steel ball (5) in the centre hole of the drive shaft with the help of a little grease. The measuring gauge pointer should have a flat measuring surface.
4. Measure the axial clearance, which may vary between 0.01 - 0.35 mm (0.0004 - 0.014"). N.B. In order to obtain the total clearance, the drive shaft must be rotated at least once in both directions.
5. Measure the axial clearance for the other drive shaft in the same way.
6. Remove the measuring equipment. Re-fit the brake pads and rear wheel.