The measurements should be made with a depth micrometer (or depth gauge).

Measurement A: Measure depth of recess in bearing retaining plate and record.

Fig. 91

Measurement B: Measure height of bearing above intermediate plate and record.

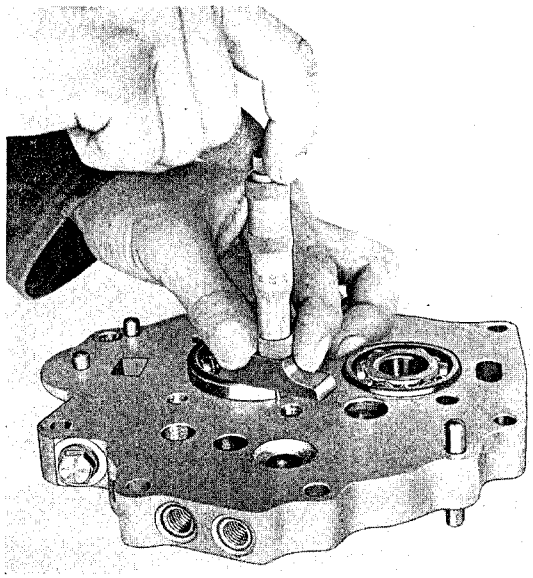

Fig. 92

The difference A–B should be adjusted with shims so that the required preload of 0.03 to 0.13 mm (.0012 to .0051 in.) on the double-row bearing of the pinion shaft is obtained.

Example

Measurement B		8.445 mm
Measurement A		–8.245 mm
Difference		0.20 mm
Preload 0.03 to 0.13 **or 0.08 ± 0.05**		–0.08 mm
Thickness of gasket		0.12 mm
	practically	0.10 mm

Since a gasket of 0.12 mm is not available, the next lower one of 0.10 mm will be used. The effective preload is therefore 0.10 mm, which is within the tolerance.

A — Depth of seat for the double-row bearing in the bearing retaining plate

B — Height of double-row bearing for pinion above intermediate plate

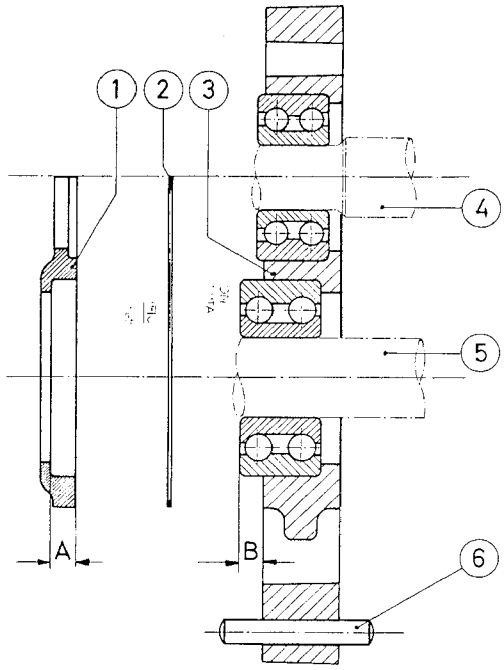

Fig. 93

① Bearing retaining plate
② Gasket
③ Intermediate plate
④ Main shaft
⑤ Pinion shaft
⑥ Dowel pin

Note

The bearing retaining plate is installed with a preload of 0.03 to 0.13 mm (.0012 to .0051 in.). By selecting the proper amount of paper gaskets the correct preload can be obtained. The paper gaskets have a thickness of 0.10 mm (.0039 in.).