

Installation

1. Inspect ball bearing and replace if necessary.
2. Renew seal ring between spacer and ball bearing as well as seal for rear axle bearing cover.
3. Adjust end play or rear axle bearing as follows:

Note

The ball bearing on the axle shaft is partially recessed into the bearing flange of the axle tube. The brake backing plate is installed over the ball bearing followed by a rubber sealing ring and is held by the bearing cover. To prevent excessive movement of the rear axle bearing and to insure proper preload as well as securing the brake backing plate, shims (0.1 mm thick) are installed. The determination of these shims is as follows.

Measurement "s"

Determine thickness of brake backing plate. Burrs should first be removed. Measure the thickness at several points.

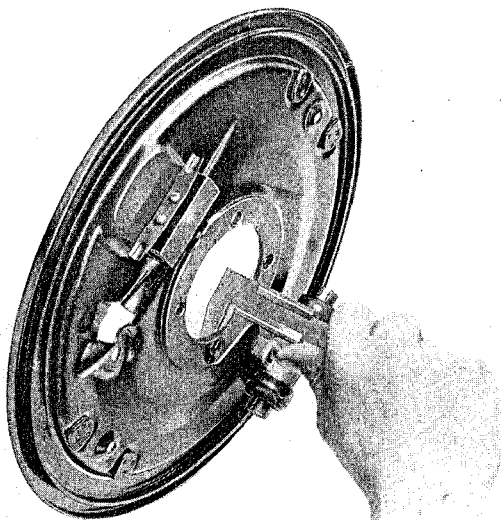


Fig. 109

Install bearing cover with seal ring and tighten.

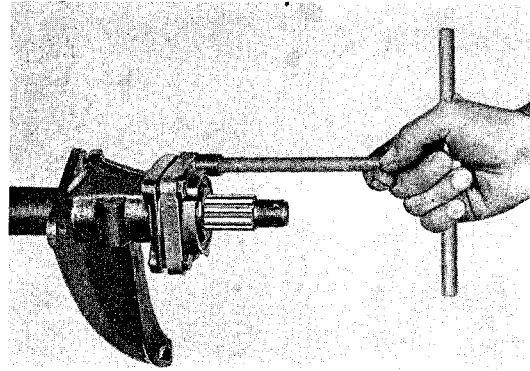


Fig. 110

Measurement "r"

Determine distance between rear axle bearing flange and rear axle bearing cover.

To avoid incorrect measurements all components should be installed with the exception of spacers.

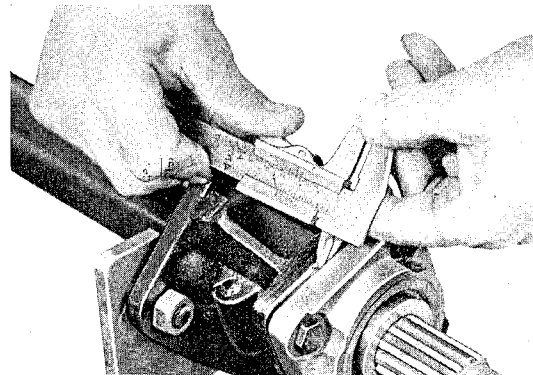


Fig. 111

Example

Measurement "s"	5.0 mm (.197 in.)
Measurement "r"	4.5 mm (.177 in.)

Difference	0.5 mm (.020 in.)
Preload	0.1 mm (.004 in.)
Thickness of spacers	0.4 mm (.016 in.)

To obtain the correct bearing play four spacers of 0.1 mm (.004 in.) each must be installed.

4. Install bearing cover with the oil drain hole facing downward.
5. The spacer should not show any sign of wear, cracks, or rust and should be lubricated prior to installation to prevent damaging the oil seal. Cleanliness is essential for this operation.