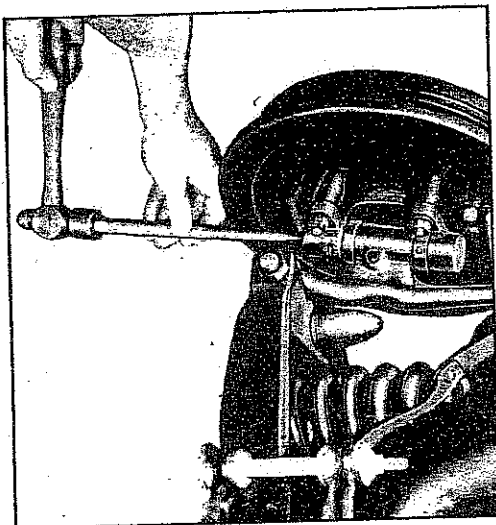


KINGPIN AND/OR BUSHINGS

Remove the kingpin lock pin, then remove the upper kingpin bearing plug cover and the upper and lower lock rings.

Remove lubrication fittings.

Remove the kingpin bearing plugs. This can be done with a sharp drift punch by driving through the lower plug and forcing the kingpin upward until the upper plug is removed (fig. 26). The kingpin may then be removed by driving it out the bottom using a soft steel drift.



Removing Kingpin Upper Bearing Plug

Remove steering knuckle and thrust bearing from the knuckle support and remove the floating bushings from the knuckle.

CAUTION: Extreme care must be exercised to prevent damage to hydraulic brake hose during this operation.

Installation

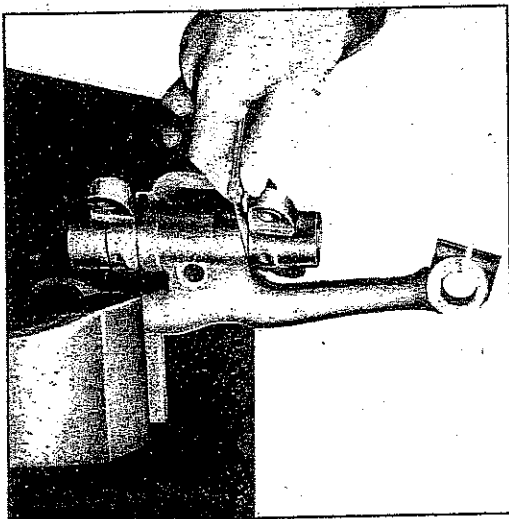
When replacing the kingpin floating bushings it is not necessary to ream them to size as service bushings are machined to finish dimensions. However, when replacing floating bushings, care should be taken to make sure the oil grooves in the bushings line up with the lubrication fitting hole in the steering knuckle. These bushings should be free both on the kingpin and in the steering knuckle.

Install new bushings in the steering knuckle and place the knuckle on the knuckle support. Then install the thrust bearing between the lower yoke

of the steering knuckle and knuckle support making sure that the shield on the bearing is toward the top.

Install the kingpin from the bottom, making sure to line up the lock pin slot with the lock pin hole in the knuckle support.

After the kingpin is installed, check the clearance between the steering knuckle and knuckle support with a feeler gauge (fig. 27). If this clearance is more than .006", install a steel shim between the steering knuckle and top of the steering knuckle support.



Checking Steering Knuckle Clearance

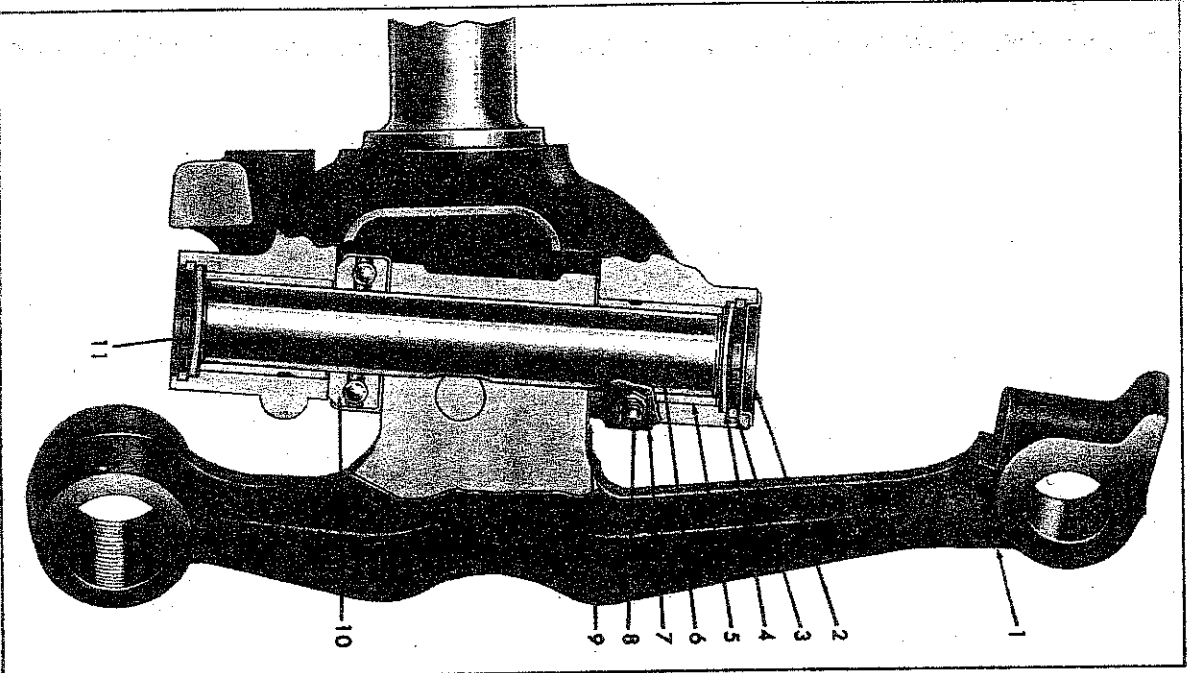
NOTE: To prevent damaging the steel shim when installing kingpin, a pilot approximately 1 1/2" long can be made from an old kingpin. Use of this pilot will keep steel shim aligned and prevent damage to it during kingpin installation.

Install the kingpin lock pin, bearing plugs, lock rings and then install upper kingpin bearing plug cover.

Install lubrication fittings and lubricate.

Install front wheel and tire assembly and lower vehicle to floor.

Check and adjust front wheel toe-in as outlined under "Front End Alignment—Toe-In Adjustment."



Kingpin and Bushings—Cross-Section

1. Steering Knuckle Support
2. Upper Bearing Cover
3. Lock Ring
4. Welch Plug
5. Kingpin Bushing
6. Kingpin
7. Steering Knuckle
8. Grease Fitting
9. Shim
10. Thrust Bearing
11. Lower Welch Plug