3. Clamp hub remover, X-1115-A, or other suitable puller on hub, having first screwed special hub puller nut onto axle shaft. Tighten puller screw and give the screw head a sharp blow with a copper hammer as shown in Fig. 4.

NOTE—It will be found that hubs will loosen up much more readily if wheel on the other side is jacked up, leaving the weight of the vehicle on the hub to be loosened.

To Replace Rear Hub

1. Place key, 4243, in keyway on axle shaft, by holding soft hammer under axle shaft and striking key with another soft hammer.

2. Pack bearing, 1225, with recommended grease, making certain the grease retainer is in good shape. Turn axle shaft to place key at under side.

3. Slide hub onto shaft, care being taken to line up with axle key and not to damage grease retainer. Place gasket, 1183, washer, 351505-S18, and nut, 34034-S18, on shaft and tighten nut then put in cotter key and clasp the ends each way.

✱To Remove Rear Axle Shaft (Full Floating Type)

1. Remove the 8 nuts and lock washers from axle shaft flange.

2. Strike axle shaft, 1144, flange a sharp blow in the centre. This loosens the axle centring washers, 1142.

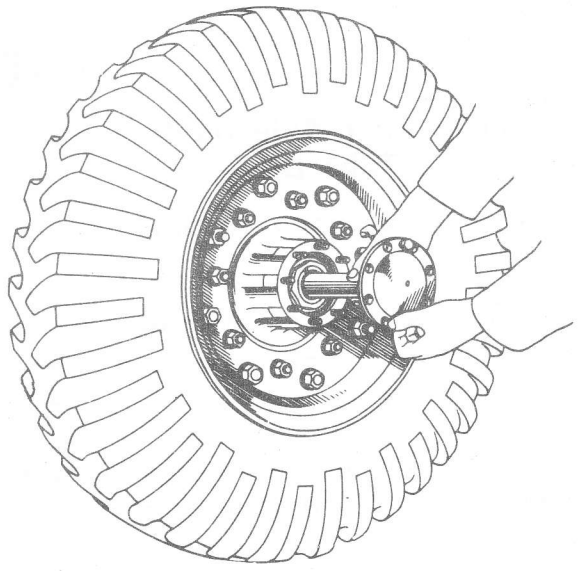
3. Remove the 8 centring washers.

4. Turn the two rear axle pull screws in 1109. This will force axle shaft out from hub.

5. Draw axle shaft out, 4235. Clean gasket, 1144, from hub face and axle flange.

To Replace Rear Axle Shaft

The rear axle shaft is replaced by reversing the above sequence. Always use new gasket and tighten axle nuts securely.



Removing Axle Shaft

Fig. 5

✱To Remove Rear Hub

1. Remove rear axle shaft (See removal procedure under "To Remove Rear Axle Shaft").

2. Remove outer wheel bearing nuts, 4252; rear wheel bearing lock nut washer, 1124, and rear wheel bearing nut and locking pin, 4255.

3. Draw hub outward approximately one inch, then press on again. Withdraw bearing cone, 1240.

4. Remove hub assembly.

5. Remove rear hub inner grease seal retainer, 1180, and grease retainer, 1175.

6. Remove rear hub inner bearing, 4221.

7. If necessary to replace remove rear hub inner bearing cup, 4222, and outer bearing cup, 1239, Fig. 6.

To Replace Rear Hub

1. Assemble the inner hub bearing cup bearing, grease seal, grease seal retainer and rear wheel grease retainer ring.

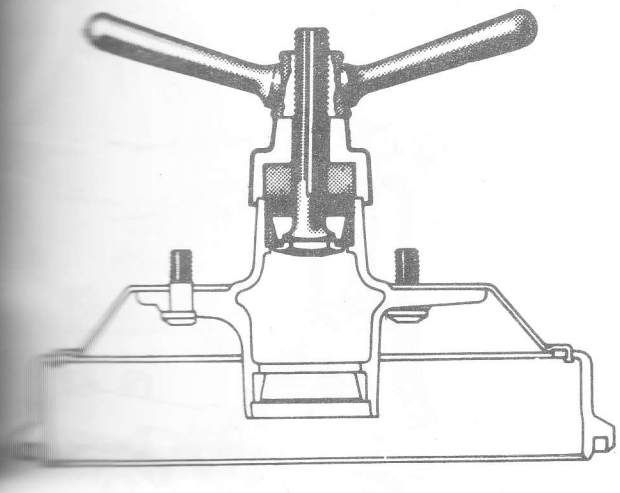


Fig. 6

Removing Hub Outer Bearing Cup

2. Install the outer bearing cup.

3. Replace rear hub on axle housing.

4. Install outer bearing cone inner bearing nut (with locking pin facing out).

To Adjust Rear Hub Bearings

1. Tighten rear hub bearing nut until bearings bind when wheel is turned.

2. Loosen bearing ⅛ of a turn, Fig. 7.

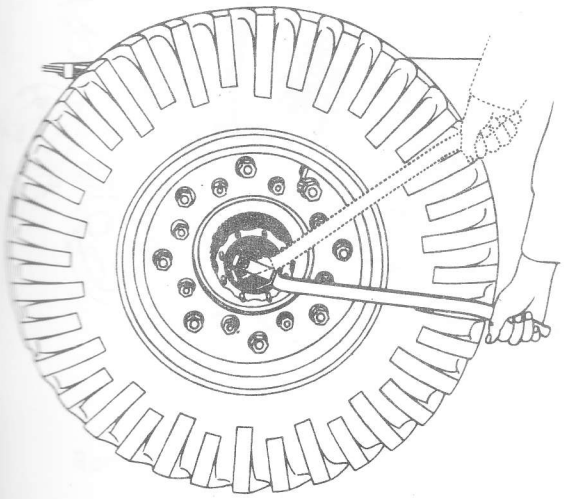


Fig. 7

Adjusting Hub Bearings

3. Install rear wheel bearing lock nut washer. (Turn nut slightly either on or off until locking pin on nut engages in rear wheel bearing lock nut washer.)

4. Replace outer bearing nut. Draw up firmly.

5. Reinstall axle shaft (See "To Replace Rear Axle Shaft.")

To Remove Rear Axle—Open Drive Shaft (Hotchkiss Drive)

1. Raise rear of vehicle until rear wheels are off floor.

2. Remove rear wheels. (See "To Remove Rear Wheels.")

3. Disconnect shock absorber links, 18055, at lower ends and push them up to clear the axle.

4. Disconnect hydraulic brake pipe. Tie the end up to prevent brake fluid from leaking from tube.

5. Remove nuts from "U" bolts at rear universal joint flange. Lower driveshaft carefully. Place tape around bearing to prevent loss.

6. Remove nuts from spring clips. Remove spring clips.

The rear axle can now be removed from the vehicle for further disassembly.

To Disassemble Rear Axle

1. Remove rear axle assembly from vehicle. Remove wheels, hubs and brake drums, brake plate assemblies and brake fluid lines. Place axle assembly on a suitable stand and drain lubricant.

2. Remove universal flange retainer nut and universal joint flange, 4851, from drive pinion, 4609.

3. Remove pinion shaft key, 4243, Fig 8.