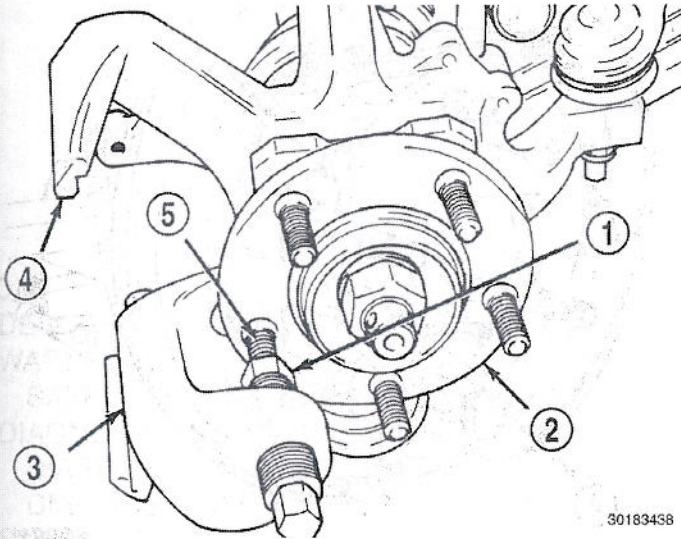


## WHEEL MOUNTING STUDS - FRONT (Continued)



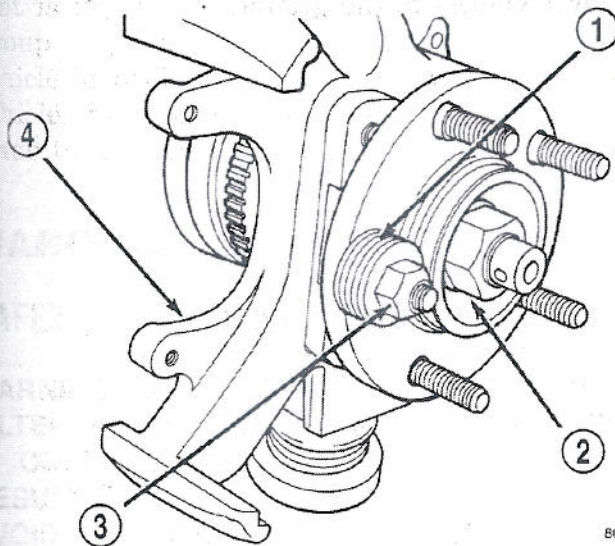
30183458

Fig. 35 Wheel Stud Removal (Typical)

- 1 - WHEEL MOUNTING (LUG) NUT
- 2 - HUB AND BEARING ASSEMBLY
- 3 - SPECIAL TOOL C-4150A
- 4 - STEERING KNUCKLE
- 5 - WHEEL STUD

## INSTALLATION

(1) Install replacement wheel stud into flange of hub and bearing assembly. Install washers on wheel stud, then install a wheel mounting (lug) nut on stud with flat side of lug nut against washers as shown (Fig. 36).



80183439

Fig. 36 Installing Wheel Stud (Typical)

- 1 - WASHERS
- 2 - HUB AND BEARING ASSEMBLY
- 3 - WHEEL MOUNTING (LUG) NUT
- 4 - STEERING KNUCKLE

(2) Tighten the nut, pulling the wheel stud into the flange of the hub and bearing. When the head of the stud is fully seated against the rear of the hub flange, remove nut and washers from stud.

(3) Install the brake rotor back on the hub and bearing (Fig. 34).

(4) Install brake caliper and adapter back over brake rotor aligning adapter with mounting holes on steering knuckle (Fig. 34).

(5) Install the two adapter mounting bolts securing the adapter to the steering knuckle. Tighten the mounting bolts to 169 N·m (125 ft. lbs.) torque.

(6) Install wheel and tire assembly on vehicle. Tighten the wheel mounting lug nuts in proper sequence until all nuts are torqued to half specification, then repeat the tightening sequence to the full specified torque of 135 N·m (100 ft. lbs.).

(7) Lower vehicle to the ground.

## WHEEL MOUNTING STUDS - REAR

## REMOVAL

**CAUTION:** If a wheel attaching stud needs to be replaced in the hub and bearing assembly the studs **MUST NOT** be hammered out of the hub flange. If a stud is removed by hammering it out of the bearing flange, damage to the hub and bearing assembly will occur leading to premature hub and bearing failure.

(1) Raise vehicle on jackstands or centered on a frame contact type hoist. See Hoisting in Lubrication and Maintenance.

(2) Remove the rear wheel and tire assembly.

(3) Remove the brake drum or disc brake caliper and rotor. Refer to Brakes.

(4) Install a lug nut on the wheel stud to be removed from the hub and bearing assembly (Fig. 37) so the threads on stud are even with end of lug nut. Install Remover, Special Tool C-4150A on hub and bearing assembly flange and wheel stud (Fig. 37).

(5) Tightening down on special tool will push wheel stud out of the hub and bearing assembly flange.

(6) Remove lug nut from stud and remove wheel stud from flange.