

INSTALLING ALLOY FRONT HUBS

NOTE: If you are using spacers between the bearings, please note that the larger bearings used in the alloy hub require a shorter spacer than those in the original hub. If using spacers and shims between the bearings, set preload before installing the seal as per the spindle and spacer kit instructions.

- 1) Pack the inner bearing with grease and put it in place before installing the seal into the hub. Press the seal into the seal retainer ring as shown. The SKF seals have a coating of sealant on the OD. The Garlock seals do not so you may want to apply a light coating of hard setting gasket compound such as Permatex Form-A-Gasket #1 on the OD of the seal before pressing it into the ring. Coat the OD of the ring and the ID of the hub with the same sealant and then gently press it into the hub using the installation tool. The step of the seal retainer should extend outward from the hub, and the seal should be flush with the surface of the retainer. Bolt the brake rotor onto the hub using the new 3/8-16 x 1-3/4" bolts and lock washers supplied. Use a thread locking compound (Blue Loctite) on the bolts and torque to 40 ft/lb.
- 2) With alloy hubs, bearing clearance will increase as the hub warms up. With the hub at room temperature, set the preload to 3 to 5 inch/lbs. Preload can be checked by hanging a weight on a wheel stud turned at 3:00 or 9:00 position. With the standard 4.5" bolt circle a wheel stud is 2.25" from center so a 2 lb weight would generate 4.5 inch/lb of torque. With the proper preload a 2 lb weight should turn the hub from 3:00 position to about 4:00 or 4:30.
- 3) Install the dust caps using the tool supplied.

NOTE: If you are assembling the races to the hub be careful not to get the inner race crooked in the bore while pressing it in to keep the race from gouging the bore in the hub.

REPLACEMENT PART NUMBERS:

Bearings: Timken

Inner Cup: M84510

Inner Cone: M84548

Outer Cup: 05185

Outer Cone: 05062

Seal: SKF 13509 or Garlock 76x7520

Studs: ARP

P/N: 100-7703 1/2-20 x 3.5", 0.625" x 0.400" knurl

P/N: 100-7702 7/16-20 x 3.2", 0.580" x 0.300" knurl

Dust cap: Ford 1 31/32" dust cap, Help / Dorman 13973. (Fits 2002 Ford F150 2wd pickup front wheels)

NOTE: Caps have been modified for better grip in the hub. Replacements available from Good Parts Inc.



Good Parts Inc.
Richard Good
4316 New Holland Rd.
Mohnton, PA 19540
(610)777-4457
goodparts@verizon.net