

Voyager® and Discover® Hub-Seal Installation

Step 1 Remove all burrs from the hub bore and spindle. Thoroughly clean hub cavity and spindle.

NOTE: Do not apply any sealant to the spindle shoulder.

Step 2 With the wheel in horizontal position, pre-lube the inner bearing and place it into the bearing cup.

[Photo 1] *NOTE: When using grease, pre-pack the inner bearing before placement into the hub.*

Step 3 Place the seal on the recommended Stemco Installation Tool, with the correct head, so that the words "Air Side" face into the tool. Place the tool (with the seal correctly mounted in the tool head) over the hub bore. Use a 3 to 5 pound hammer to drive against the end of the tool.

Drive seal into bore until complete bottoming is assured. [Photo 2] Remove Tool. Apply a thin layer of lubricant on the ID surface of the seal.

NOTE: Do not apply lubricant to the OD of the seal.

Step 4 With the wheel mounted on a dolly, carefully align the bore with the spindle. [Photo 3] Gently push the wheel assembly onto the spindle to the proper position. Fill the hub cavity with lubricant until it runs over the outer bearing cup. Coat the outer bearing with lubricant and place it on the spindle and into the bearing cup.

NOTE: When using grease, pre-pack the outer bearing before placement into the hub.

Step 5 Assemble the inner nut and tighten it to 200 ft/lbs. [Photo 4] Rotate the wheel several times and then back-off nut one full turn. Make final bearing adjustment according to TMC recommended bearing adjustment procedure. Install the appropriate axle fastener.

Step 6 Install the hub cap with a new gasket and fill the cavity with lubricant to the proper level. On drive axles, be sure the differential oil level is high enough (manufacturer's recommended level) to ensure oil flow through the tube to the wheels. It is recommended to jack-up one side and then the other until flow starts. Make certain the breather plug is clear. Recheck steers and trailers to insure proper fill levels.



INSTALLATION