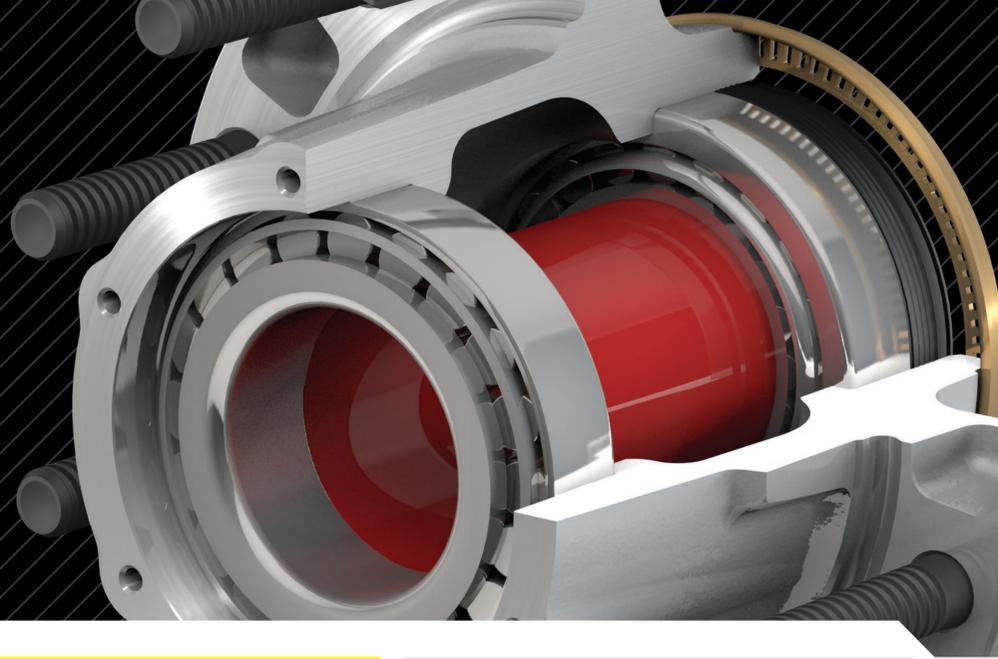




PreSet® Trailer Hub Installation Procedure



WARNING: Do not work under a vehicle supported only by jacks. Jacks can slip and fall over. Support the vehicle with safety stands. Serious personal injury and damage to components can result. To prevent serious eye injury, always wear safe eye protection when you perform vehicle maintenance or service. Park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving.

NOTE: For more detailed instructions on installing and servicing ConMet hubs, refer to ConMet's service manual at www.conmet.com.

1 Clean Spindle
Remove any lubricant, corrosion prevention coating, foreign material or surface rust.

2 Lubricate Spindle
Lubricate the bearing journal on spindle or the inside diameter of the bearing cones with Grade 2 grease or the lubricant that will be used in the wheel end. Do not coat the seal journal on the spindle.

3 Lubricate Seal ID
Lubricate the inside diameter of the seal with the same lubricant that will be used in the wheel end.

4 Install Hub on Spindle
Install the hub onto the spindle. If present, the plastic alignment sleeve will push out of the hub when the hub is installed onto the spindle.

5 Remove Cap
Remove the shipping cap. Keep the outer bearing in place after the cap is removed to prevent the seal from becoming cocked.

6 Torque Nut
Torque the inner spindle nut to 300 ft. lbs. while rotating the hub.

Double Jam Nut System

7 Install Lock
Install the locking device onto the inner nut. Advance the inner nut if necessary to fit the locking device onto the inner nut. Do not back off the spindle nut!

Double Jam Nut System

8 Inspect Lock
Make sure the locking device is correctly installed.

Double Jam Nut System

9 Install Outer Nut
Install the outer nut and torque to 200 ft. lbs.

Double Jam Nut System

10 Activate Lock
Install or activate the locking feature of the spindle nut system. May require set screw or bendable tabs.

Double Jam Nut System

11 Torque Nut
Torque the spindle nut to 300 ft. lbs. while rotating the hub.

One Piece Spindle Nut

12 Install Lock
Install or engage the locking device on the spindle nut. Advance the nut if necessary to engage the locking device. Do not back off the spindle nut!

One Piece Spindle Nut

If Using Oil

13 Verify Rotation
Verify that the hub rotates freely. End play measurement is not required.

14 Install Hub Cap
Install the hub cap and torque the bolts in a star pattern to 12 to 18 ft. lbs.

15 Install Lubricant
Install the lubricant through the fill plug in the hub cap or the barrel of the hub.

WARNING: Failure to fill and maintain the hub with the correct amount of oil may cause premature failure of the wheel hub system, bearing failure and possible loss of the wheel.

16 Settle Lubricant
Allow time for the lubricant to settle. Recheck and add lubricant as necessary.

17 Install Fill Plug
Reinstall fill plug in the hub cap or the barrel of the hub. Torque the fill plug in the barrel of the hub to 20 to 25 ft. lbs.

18 Chassis Label
Install chassis label, available from ConMet.

PreSet® Hubs with Factory Pre-Adjusted Bearings Lubricated with OIL:

- Inspect oil regularly through the hubcap sight window for signs of contamination and to ensure adequate oil level.
- Add oil as required through the fill port on side of hubcap. Note: Do not use lubricant types. Consult your technician for approved lubricants.
- Torque inner spindle nut to 300 ft. lbs. Do not back off.
- If equipped with outer lock nut, tighten the outer lock nut to 200 ft. lbs. Refer to PreSet Service Manual 1000562 for all wheel end service procedures and requirements.
- Hub should rotate freely after torquing.
- Annual inspection required. Refer to ConMet PreSet Service Manual 1000562 for details.

If Using Semi Fluid Grease

14 Semi-Fluid Volume
Use the casting number on the hub and the semi-fluid grease chart below to determine the proper fill volume.

15 Install Lubricant
Install the lubricant through the fill hole in the barrel of the hub. Install the hub cap but do not tighten the bolts to allow for venting while filling.

WARNING: Failure to fill and maintain the hub with the correct amount of semi-fluid grease may cause premature failure of the wheel hub system, bearing failure and possible loss of the wheel.

16 Install Fill Plug
Install fill plug and torque to 20 to 25 ft. lbs.

17 Install Hub Cap
Install hub cap and torque hub cap bolts in a star pattern to 12 to 18 ft. lbs.

18 Chassis Label
Install chassis label, available from ConMet.

PreSet® Hubs with Factory Pre-Adjusted Bearings Lubricated with SEMI-FLUID GREASE:

- Do not use grease types. Consult your technician for approved lubricants.
- Torque inner spindle nut to 300 ft. lbs. Do not back off.
- If equipped with an outer lock nut, tighten the outer lock nut to 200 ft. lbs. Refer to ConMet PreSet Service Manual 1000562 for all wheel end service procedures and requirements.
- Hub should rotate freely after torquing.
- Annual inspection required. Refer to ConMet PreSet Service Manual 1000562 for details.

Semi-Fluid Grease Volume

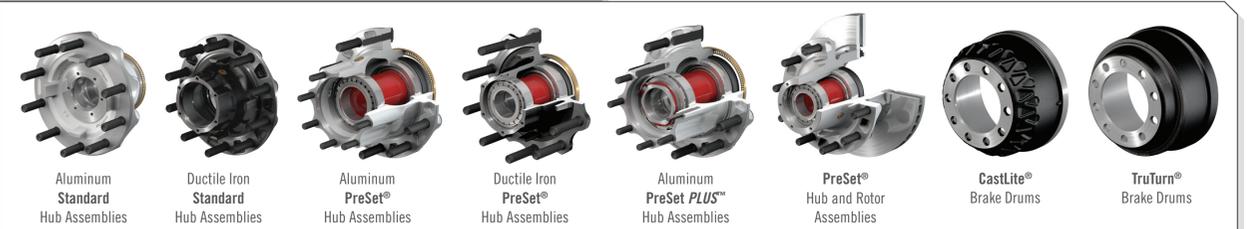
For hub assemblies lubricated with semi-fluid grease, follow these steps:

- Identify the hub casting number to obtain the proper semi-fluid grease fill volume.
- The casting number is a raised series of numbers cast into the hub.
- Use the casting number to determine the proper fill volume from the right-hand chart.
- Fill the hub through the fill plug with the proper amount of semifluid grease.

HUB TYPE	MATERIAL	BRAKE TYPE	STUDS	CASTING NUMBERS*	VOLUME**
TN	Aluminum	Disc	10	10017979	19 FL. OZ.
TN	Aluminum	Disc	10	10001896	19 FL. OZ.
TN	Aluminum	Drum	10	102035	19 FL. OZ.
TN	Aluminum	Drum	8	102610	19 FL. OZ.
TN	Iron	Drum	10	10023666	23 FL. OZ.
TP	Aluminum	Disc	10	10016225	42 FL. OZ.
TP	Aluminum	Disc	10	10016620	47 FL. OZ.
TP	Aluminum	Drum	10	10001216	42 FL. OZ.
TP	Aluminum	Drum	8	101259	42 FL. OZ.
TP	Iron	Disc	10	10009758	55 FL. OZ.
TP	Iron	Drum	10	10025633	35 FL. OZ.

*Hub casting numbers can be found cast onto the flange of the hub. For part numbers that don't appear in the chart, contact ConMet customer service at (800) 547-9473. **These fill volumes were established with ConMet hubcaps and are to be used as reference only.

ConMet manufactures a full line of wheel-end components:



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