

CONMET SEAL

Installation Procedures

NOTE: Always follow your company's safety procedures.

1 Clean seal journal



Ensure the entire seal journal is free of surface damage and debris.

NOTE: Use fine grit emery cloth [180 to 400 grit] after large debris is removed to ensure proper seal installation.

2 Clean seal bore



Ensure hub is sitting on a clean, flat level surface and the seal bore is free of rust, dirt, scratches, and sharp edges.

3 Lubricate seal bore



Use a clean applicator or finger to lightly lubricate the seal bore of the hub.

NOTE: If the seal bore is significantly recessed into the hub, as found on some disc brake applications, lubricating the outer diameter of the seal is permissible to ensure proper installation.

4 Position on the hub



Place the seal flat on top of the seal bore chamfer, with the "AIR SIDE" visible.

5 Install seal



Use the appropriate ConMet seal installation plate (see table below) with a generic tool handle or a flat plate and a small mallet to hammer seal into place. Ensure the seal is uniformly bottomed out in the hub bore.

NOTE: DO NOT hammer directly onto the seal. Doing so can distort or damage the seal and cause premature seal failure.

6 Lubricate seal ID



Use a clean applicator to lightly lubricate the inner diameter of the seal and the bearing cones (hub bearing lubricant or lubricant included with seal is recommended).

NOTE: DO NOT lube the seal journal on the spindle. The lube can be pushed out during hub install and look like a leak.

7 Wipe excess lubricant



Wipe any excess lubricant off the "AIR SIDE" surface of the seal and the hub with a clean cloth.

8 Install hub on spindle



Place the outboard bearing cone in the hub and install the hub assembly onto the axle in one smooth continuous motion, while keeping the hub aligned with the axle to prevent seal misalignment.

NOTE: DO NOT remove the hub after the seal is engaged on the spindle as it will damage the seal.

ConMet Seal Installation Tools

Steer & Drive

Axle Type	Tool Part Number	Seal Part Number	Flat Plate Min/Max Diameter
FF Steer	10084010	10045885	4.45" / 4.65"
FL Steer	10084011	10045883	5.20" / 5.40"
R Drive	10084012	10045887	5.60" / 5.85"

Trailer

Axle Type	Tool Part Number	Seal Part Number	Flat Plate Min/Max Diameter
TN Trailer	10084013	10045888	5.60" / 5.85"
TP Trailer	10084013	10045889	5.60" / 5.85"

For additional information on seal care, including more detailed instructions, go to conmet.com/seals