INSTALLATION INSTRUCTIONS
ENDURANCE™ LeatherPRO™ SERIES

Axle Ring Installation

STEP 1:

Remove all burrs and thoroughly clean spindle. Apply a thin layer of No. 2 sealant to the O.D. of the axle shoulder. Place the axle ring on the shoulder.

STEP 2:

The Amsted Canister Tool will be needed for this installation. Refer to the Amsted Seals box to identify the insert specific to the axle ring being installed. Place proper insert into canister and slide tool over axle. Drive axle ring onto shoulder until tool recoils or bottoms out. Make sure axle ring is flush with axle shoulder and wipe away any excess sealant.

Endurance™ LeatherPRO™ Wheel Seal Installation

STEP 1:

Remove all burrs from hub bore and spindle. Thoroughly clean wheel cavity and spindle. Apply light coat of lubricant to the spindle surfaces.

NOTE: Amsted recommends using a .320 emery cloth to clean spindle and wheel cavity.

STEP 2:

With hub in the horizontal position, pre-lube the inner bearing with the same type of oil used in the hub and place it into the bearing cup. If using grease, pack the inner bearing before placing into the inner bearing cup.

STEP 3:

Apply a thin layer of No.2 sealant to the O.D. of the seal and position seal in the hub bore. Place the proper Amsted installation tool (identified on the Amsted Seals box) on the seal with the handle in the vertical position and install the seal with a 3 or 5 pound hammer. Drive the seal into the hub bore until tool recoils. Make sure seal is bottomed out 360 degrees in the hub bore. If installed correctly there should be a clearance of 1/32" between the seal and bearing cone.

STEP 4:

Carefully align the seal hub bore with the spindle. Do not use excessive force when mounting the hub back onto the spindle shoulder. The seal will slide into place on the spindle shoulder after properly torquing the bearings. Using excessive force could damage the seal. ***CAUTION:*** If using a wheel dolly, make sure seal and hub are aligned properly before mounting hub back onto spindle; the seal and/or bearing can be damaged easy by a wheel dolly that is misaligned. Once hub is in place on the spindle fill hub cavity with lubricant per the TMC recommended practice. Coat the outer bearing with lubricant and place it on the spindle and into the bearing cup. If using grease, follow TMC RP631C Recommendations for Wheel End Lubrication for proper hub fill. Pre-pack the outer bearing before placing into the hub. TMC RP624 Lubricant Fundamentals can be referenced for more information on this topic.

STEP 5:

Amsted recommends following TMC RP618B Wheel and Bearing Adjustment Procedures. If using a locking nut that is not listed in the TMC RP618B Wheel and Bearing Adjustment Procedures, follow the locking nut manufacturer's guidelines for torquing procedures.

STEP 6:

Install hubcap with new gasket. Refer to Amsted Seals website for torquing and installation procedures on hubcap bolts. Fill hubcap cavity with oil until proper oil level is indicated on window. For drive-axles be sure differential oil is filled to the OEM-recommended level to ensure oil flow through the axle tube to hub and bearings. It is recommended to jack one side of the truck up at a time until oil starts to flow to the hub. After installing axle shaft, fill differential to OEM recommended level. ***Make sure vent is not plugged as this will cause seal failure.***

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