

# INSTALLATION INSTRUCTIONS

## MVP SERIES

### STEP 1:

Remove all burrs from hub bore and spindle. Thoroughly clean wheel cavity and spindle.

*NOTE: Amsted recommends using a .320 emery cloth to clean spindle and wheel cavity. Do not apply any sealant to the spindle shoulder. Apply light coat of lubricant to the spindle surfaces.*

### 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 and place it into the inner cup.

### STEP 3:

Identify on the seal box the correct installation tool that should be used to install the MVP Seal. Apply a thin layer of No. 2 sealant to the O.D. of the seal. Place the seal on the recommended Amsted installation tool so that the words Air Side face the tool head. With the seal mounted on the Amsted Tool, place the tool over the hub bore. Using a 3 to 5 pound hammer, drive the seal into the hub bore until a tone change is heard or the seal tool recoils. Apply a thin layer of lubricant (the same that is being used in the hub) to the I.D. of the seal.

### STEP 4:

Carefully align the seal hub bore with the spindle. It is NOT recommended to use excessive force when mounting the hub back onto the spindle shoulder. The seal will slide into place on the spindle shoulder after the first step of properly torqueing 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 very easy with 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 RP631B guidelines for proper hub fill. Make sure you pre-pack the outer bearing before placing into the hub.

### STEP 5:

Amsted recommends following TMC RP 618 Torqueing Procedures. If using a manufacture's locking nut that is not listed in the TMC RP 618 Torqueing Procedures, please follow the manufacturer of the locking nuts guidelines for torqueing procedures.

## STEP 6:

Install hubcap with new gasket (refer to Amsted Seals' website for torqueing and installation procedures on hubcap bolts). Fill hubcap cavity up with oil until proper oil level is indicated on window. For drive-axles be sure differential oil is high enough (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 and then the other side until oil starts to flow to the hub. After installing axle shaft, fill differential to OEM recommended level

***NOTE: MAKE SURE VENT IS NOT PLUGGED FOR THIS WILL CAUSE SEAL FAILURE.***

