

QUICK~START INSTRUCTION

DOCTOR PRELOAD[®]

FOR DRIVE AXLES



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R SIZE AXLES

FIRST PREPARE THE WHEEL END >> THE HUB MUST BE SECURE TO THE AXLE BEFORE STARTING THE DOCTOR PRELOAD ADJUSTMENT PROCEDURE:

THIS REQUIRES INITIAL TIGHTENING OF THE NUT WITH FIRM PRESSURE USING A SOCKET WRENCH WITH A 2 to 3 foot BAR to easily apply the firm force needed to drive the wheel solidly against the axle. THEN back off the nut ONLY ONE HALF TURN.

NOW FOLLOW THE 6 STEPS FOR PRECISION ADJUSTMENT AND LOCKING ON THE REVERSE SIDE OF THIS SHEET >>



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Secure the hub per instruction on page 1, then...

1 Attach Doctor Preload to the end threads of the axle. Use a sweeping motion to guide the load arms around the locknut while engaging the key locator in the keyway and engage the thread with two turns of thread with the end of the axle. A rubber stop ring is provided in the tool adapter to prevent over tightening the tool against the spindle end. Do not use a wrench to tighten the adapter. Note that the load arms have end tabs to make it easier to guide the arms into position. See our supplement page with additional tips for more pictures and pointers for this step.



2 Tighten the T-handle to load the bearings until the gage pointer is in the green "Roll-in Zone". Roll the wheel 3 revolutions to seat the bearing rollers.

3 Loosen the T-handle slowly until the gage points to "Set Drive/Trailer Axle".



4 Hand tighten the nut to align the closest dot on the nut to the key-locator indicator mark. You may use the indicator marks on either the key locator or the load arms. If the hand tight position does not line up with a mark then back off to the last dot that will align with the mark. Note that setting accuracy is 0.001 inch per space between dots.

5 Remove the tool.

6 Install the nut retainer and check for correct retainer installation.