

QUICK~START INSTRUCTION

DOCTOR PRELOAD[®] FOR FF STEER AXLES



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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 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.



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 the blue “Set Front Axle”.



4 Hand tighten the nut. FF steer axles have flats instead of keyways for locking and therefore do not require special alignment to facilitate final installation of the retainer ring in the locknut. Each dot represents 0.0015 inches for these 12 pitch axle threads.

5 Remove the tool.

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

See our tips for further details of technique on supplementary pages.