Instruction for Use -
Replacing Casters on Stretchers

These instructions cover the method of replacing old and worn Casters on Stretchers. **NOTE**: The Chassis Shroud is removed in all illustrations for clarity.

You will need -

1/8" Allen Wrench
7/16" Socket Wrench
13mm Socket Wrench
Rubber mallet or hammer

1) In order to remove a worn caster assembly (Fig. 1) from the Stretcher Frame, you will need to prop up the frame so there is sufficient clearance to be able to slide the old caster down and out, and to slide the new replacement caster up and into the frame (Fig. 2). Make sure that all other casters are in the NEUTRAL position. You may need to place a heavy object at the non-elevated end of the Stretcher to keep the Stretcher from rollling while replacing the Caster.

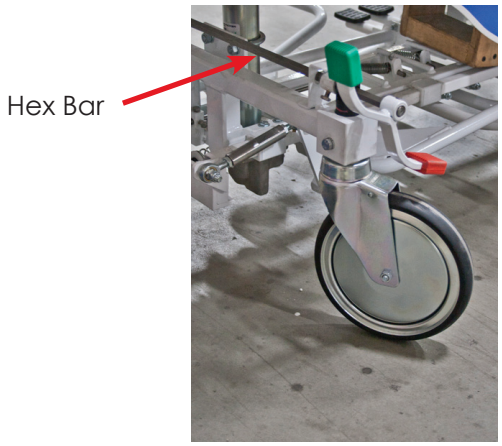

Fig. 1: Caster assembly

Fig. 2: Propped up Stretcher Frame

Fig. 3: Use Allen Wrench to loosen Brake Pedal.

Fig. 4: Use rubber hammer to remove Brake Pedal

Fig. 5: Brake Pedal Removed

2) Using the Allen Wrench, loosen the Brake Pedal from the Hex Bar (Fig. 3).

3) Use the rubber hammer to remove the Brake Pedal from the Hex Bar. (Fig. 4 and Fig. 5).

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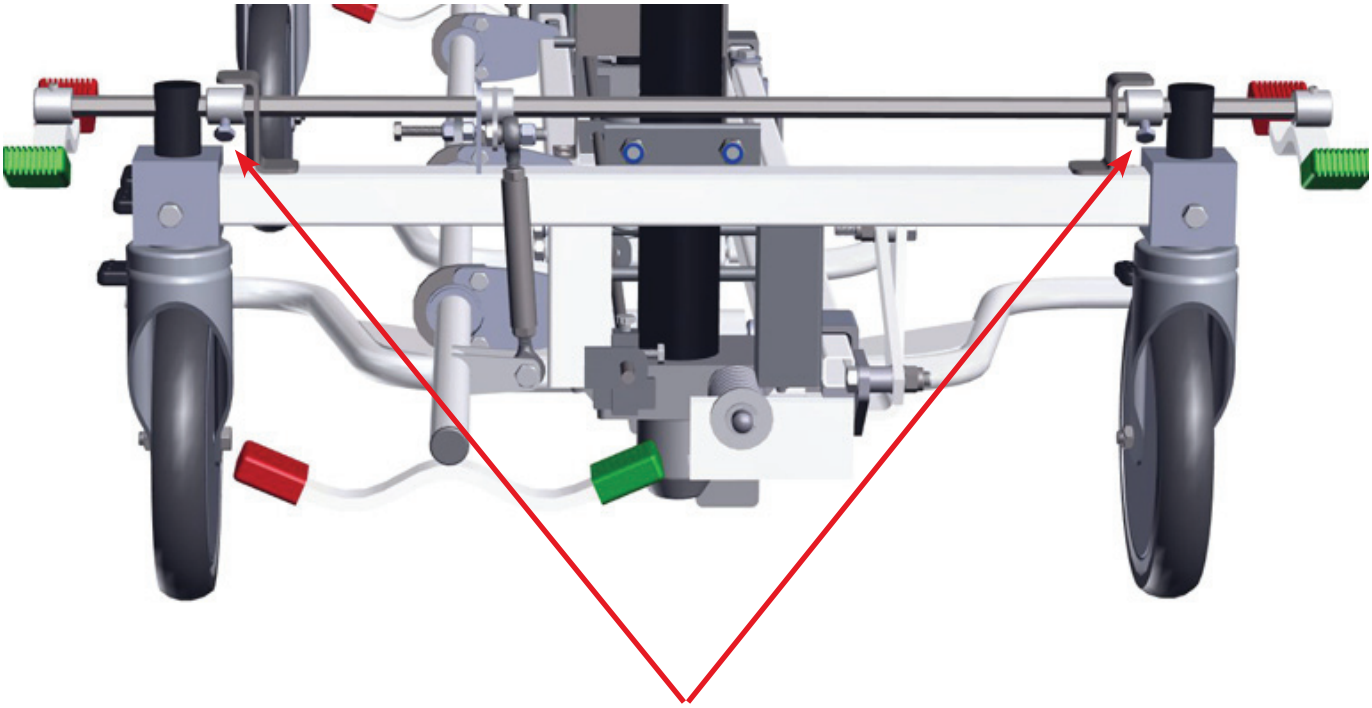

Fig. 6: Hex Nut locations

4) Using the 7/16" Socket Wrench, loosen the Hex Bolt at either end of the Hex Bar (Fig. 6 and Fig 7).

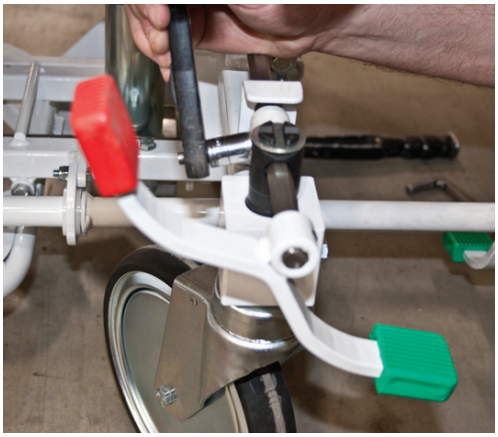

Fig. 7: Loosen Hex Bolt

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NOTE: On older model PT1000 Stretchers, along with loosening the two Hex Bolts from the Hex Bar, it is also necessary to loosen the Set Screw that attaches the Flange Nut to the Hex Bar. This is done using the 1/8" Allen Wrench (Fig. 8 and Fig 9).

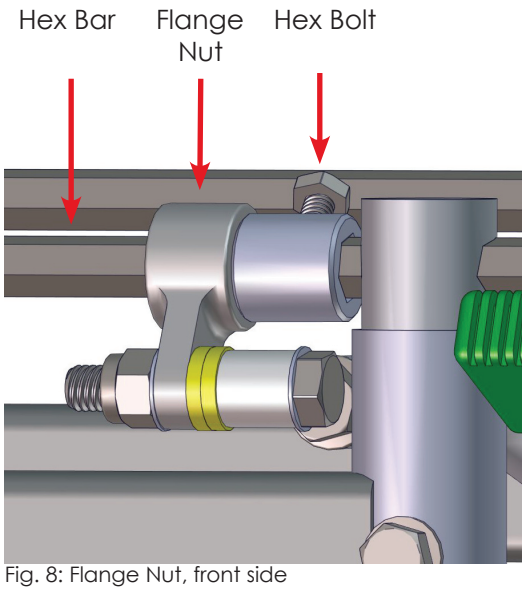

Fig. 8: Flange Nut, front side

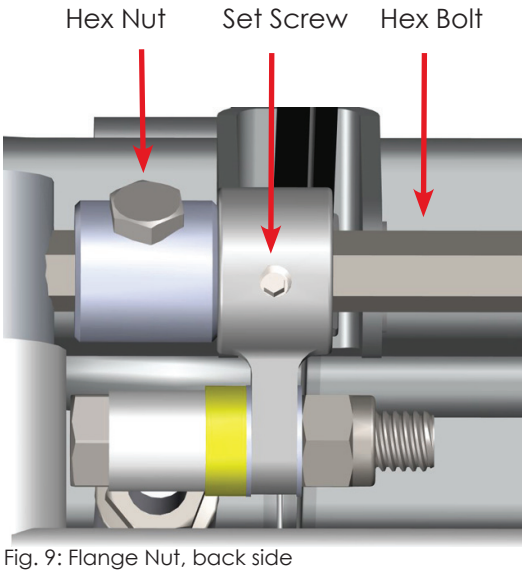

Fig. 9: Flange Nut, back side


Fig. 10: Drive out Hex Bar


Fig. 11: Remove Caster Hex Nut


Fig. 12: Drive out old caster

5) Using the rubber hammer drive the Hex Bar out of the post connecting it to the Caster that is being replaced. (Fig 10).

6) Using the 13mm Socket Wrench, remove the hex nut holding in the Caster to be removed (Fig. 11).

7) Using the rubber hammer, drive the old caster down and slide it out of the frame (Fig. 12).

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Fig. 13: Drive Hex Bar into replacement caster

8) Slide the replacement caster up and into the frame, and hammer the metal Hex Bar back into the post on the Caster. Make sure the Hex Bar is evenly spaced between the paired Casters (Fig. 13).

IMPORTANT: The Replacement Caster ships with its Gears in the NEUTRAL position. Examining the post of the Caster, you will see the other two gear positions appear on opposite sides of the post as indicated in the Figures 14 and 15 below. The Replacement caster should be inserted with the Directional Lock Gear (Fig. 14) facing the Head End of the Stretcher.

Total Lock Gear Position

Fig. 14: Total Lock Gear Position

Directional Lock Gear Position

Fig. 15: Directional Lock Gear Position

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Fig. 16: Hex Bar reconnected

Figure 16 shows the replacement caster with the Hex Bar fully attached.

9) To complete the replacement process, use the 13mm Socket Wrench to tighten the Hex Bolt holding the Caster, and 7/16" Socket Wrench to tighten the Hex Bolts at either end of the Hex Bar (as in Steps 4 through 6, in reverse). **NOTE**: On PT1000 model stretchers, it is also necessary to tighten the Set Screw in the Flange Nut with the 1/8" Allen Wrench.

10) Replace the Brake Pedal and tighten its connection to the Hex Bar with the Allen Wrench (as in Steps 2 and 3, in reverse).

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