

L2492 Rev. A 08/11

SERVICE INSTRUCTIONS: These Service Instructions are intended to be used by qualified personnel at Authorized Enerpac Service Centers. Users of Enerpac FSM-8 Mechanical Wedge should see the Instruction Sheet for operation information.

1.0 LUBRICATION (See Figs. 1 and 2)

The FSM 8 will stand up to continuous use and high loading as long as it is lubricated each time it is used. (Please note that any high pressure grease can be used.) To properly maintain the tool it is important to grease all moving parts regularly.

These are:

- Pushrod (No. 9)
- Jaws (No. 13)
- Thrust Bearing Set (No. 3)

Numbers 9 and 13 respectively must be greased each time the tool is used and No. 3 should be greased at least once per month.

1.1 Lubricating the Pushrod

Smear grease on the Pushrod (No. 9) while the Wedge (No. 1) is in the retracted position. This will enable the screw to turn freely and give maximum spreading at the tips.

1.2 Lubricating the Jaws and Slots

A Grease Nipple (No. 17) is supplied with the tool located on the Handle (No. 7) for easy storage. The Grease Nipple should be removed from the Handle and inserted, in turn, into each of the Jaws, and a grease gun used to pump grease into the Wedge. The Grease Nipple insertion point is shown on Fig. 2. Grease should also be smeared into the Slots positioned at the side of each Jaw to allow the Pins (No. 11) to slide freely as a load is applied to the Wedge.

1.3 Lubricating the Thrust Bearing Set

To gain access to the Thrust Bearing Set follow steps 1 through 6 which follow below. Once accessed, smear grease on the Thrust Bearing Set.

2.0 DISASSEMBLY (See Fig. 1)

1. Screw the Pushrod (No. 9) forward using the Spanner (No. 15) provided with the tool until the Wedge (No. 1) is half opened.
2. Remove the Grub Screws (No. 10). Pull out the Pins (No. 11) using small mole grips / vice grips.
3. Screw the Pushrod (No. 9) forward until the Wedge (No. 1) is fully extended (see Fig. 3).

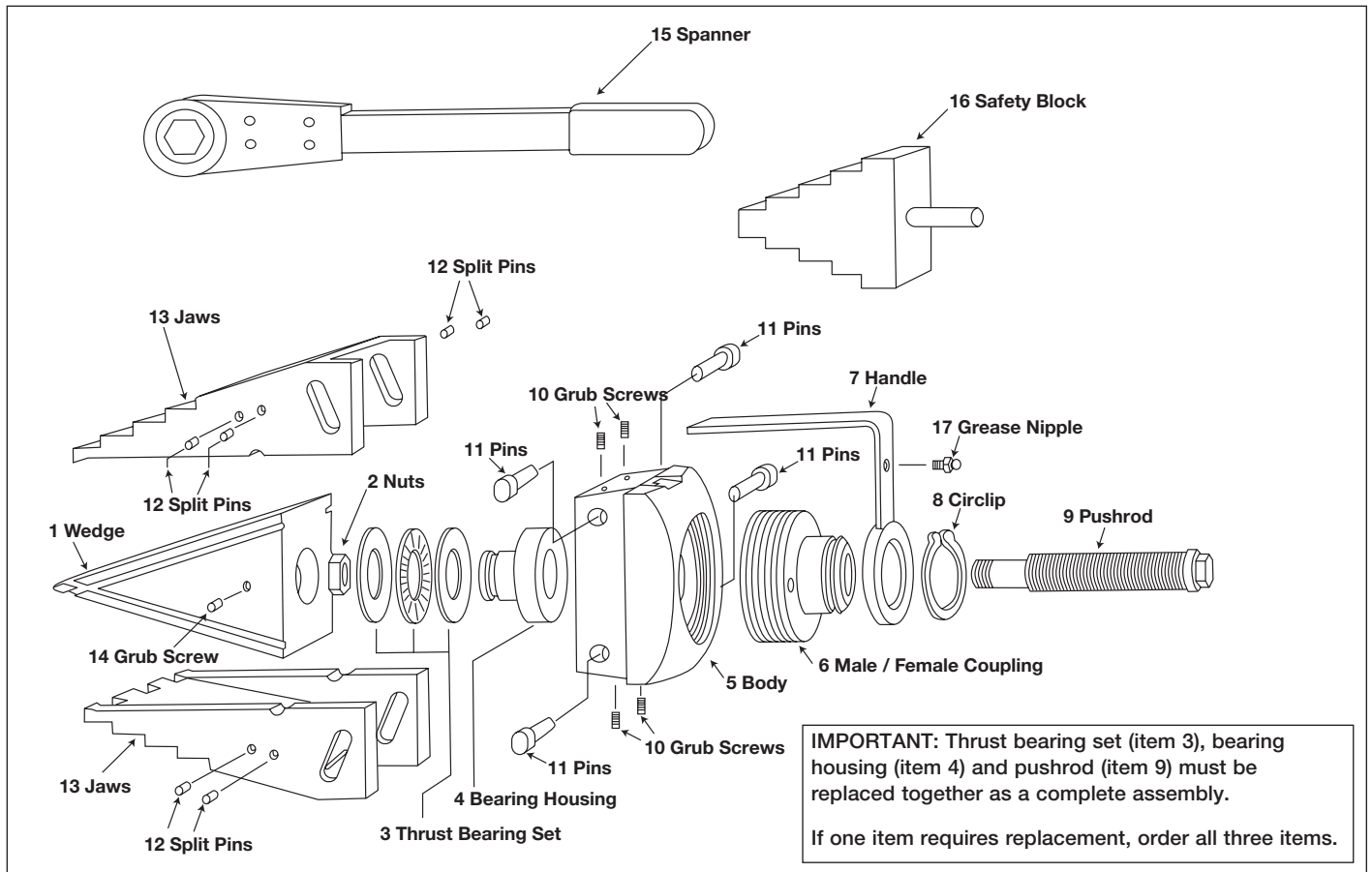


Figure 1

4. Slide one of the Jaws (No. 13) forward until it is removed from the Wedge:
5. Repeat steps 1 through 4 with the second Jaw.
6. Loosen the Grub Screw (No. 14) and the Wedge (No. 1) can now be removed from the Bearing Housing (No. 4).
7. Using 2 x 22 mm spanners, hold the screwed Pushrod with one spanner and loosen and remove Nut (No. 2) with the second spanner. Please note that this Nut will be tight as it is secured with Loctite 638 Retaining Adhesive. The Thrust Bearing Set and the Bearing Housing can now be removed.
8. The screwed Pushrod can now be removed by turning it counter-clockwise.
9. Remove the Circlip (No. 8) and the Handle (7) can be removed.

10. If for any reason the Male / Female Coupling (No. 6) has to be removed, this will require some heat as this Coupling is inserted with Loctite 638 Retaining Adhesive. A temperature of 150 degrees centigrade is required to soften the adhesive. The Coupling can then be unscrewed using a pin spanner.

3.0 REASSEMBLY

Follow Steps 10 through 1 above. Please note when reassembling that Loctite 638 Retaining Adhesive (or equivalent) should be used when reassembling Nut (No. 2) or when screwing the Male / Female Coupling (No. 6) back into the Body (No. 5). Tighten the Grub Screw (No. 14) and screw back 1/2 turn to allow the Bearing Housing (No. 4) to rotate freely in the Wedge (No. 1).

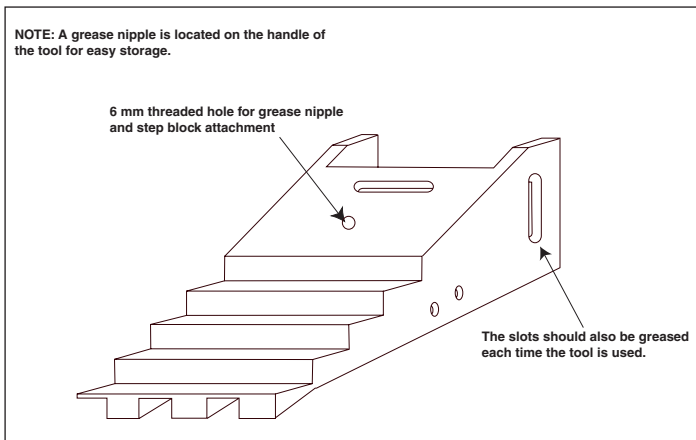


Figure 2

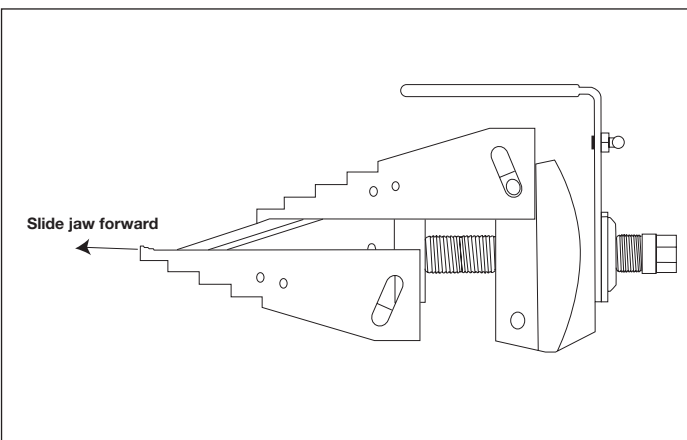


Figure 3

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