LEAFIELD MARINE LIMITED

GIST FILLING TOOL REFURBISHMENT
1012001

Contents

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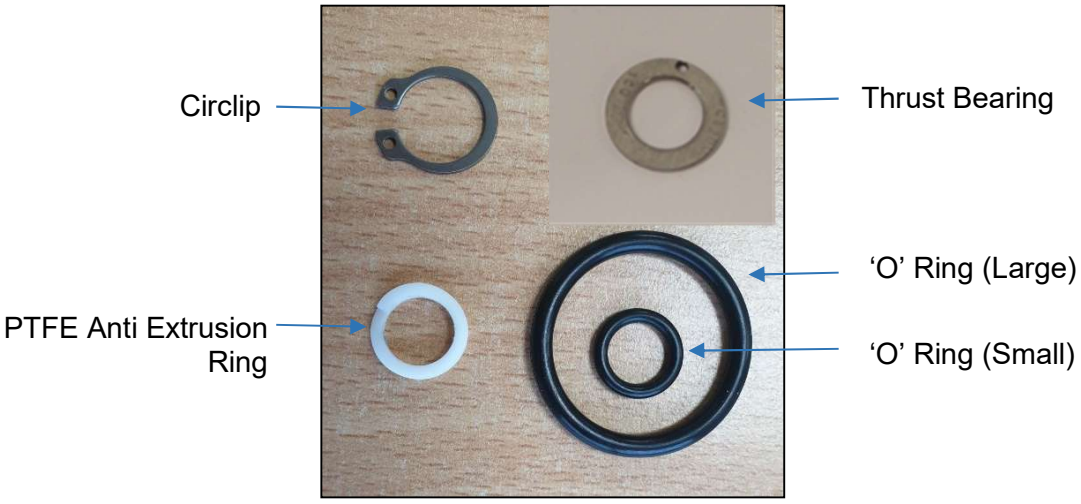
1. Introduction

This instruction sheet describes the refurbishment of the GIST Filling Tool, 0324FTA, using the kit 1012001. Only genuine Leafield Marine parts should be used when refurbishing this tool, Leafield Marine accepts no liability for injury or damage due to parts being incorrectly assembled.

2. Refurbishment kit

The kit comprises:



3. Tools Required

Circlip Pliers (External type)

Small Flat Bladed Screwdriver

Grease - Molykote 111 Silicone Compound (Leafield Part # 50800041, 100g)

4. Disassembly

1. Remove the external ‘O’ ring from the body. If you use a tool to do this, take care not to damage the ‘O’ ring seat or tool thread. Dispose of this ‘O’ ring.

2. Remove the circlip. Dispose of this.
3. Remove the steel washer and retain for re-assembly.
4. Withdraw the torque driver shaft from the threaded end of the tool body.
5. Using the screwdriver remove the PTFE anti-extrusion ring and the ‘O’ ring from the torque driver shaft. Take care not to scratch the shaft. Dispose of the anti-extrusion ring and ‘O’ ring.
6. Remove the grooved washer. Retain this.
7. Pull off the thrust bearing. Dispose of this.

5. Cleaning (Optional but recommended)

If required, the tool components excluding those in the refurbishment kit may be cleaned prior to re-assembly.

A wash using Isopropyl Alcohol applied with a stiff brush is recommended. Allow components to dry before re-assembling.

6. Re-assembly

1. Liberally coat the ‘O’ rings with Molykote 111 silicone grease prior to fitting.
2. Ensure the thrust bearing is fitted to the torque driver shaft with the coated face against the torque driver shoulder.

3. Re-fit the grooved washer with the groove uppermost.

4. Fit the ‘O’ ring by carefully stretching it over the hexagonal section of the torque driver shaft and then rolling it downwards into the larger lower groove.


5. Fit the PTFE anti-extrusion ring by gently uncoiling it over the hexagonal section of the torque driver and sliding it down to sit above the ‘O’ ring.

6. Fit the larger ‘O’ ring to the body by rolling it down the thread and into its groove.


7. Push the torque drive shaft back into the body, ensuring the circlip groove is visible. Make sure that the shaft can rotate smoothly and freely.

8. Refit the steel washer then the new circlip ensuring the circlip is fully fitted into the groove on the torque driver shaft. Check by pushing the Torque Driver shaft from the circlip end, the shaft should have axial movement of no more than 1.0mm.


9. Ensure the torque driver shaft can rotate freely again once fully assembled.