



# **LUBELOC ROTOR ASSEMBLY**

## **USA SERVICE AND MAINTENANCE MANUAL**

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# QUALITY POLICY OF MEHER USA INC.

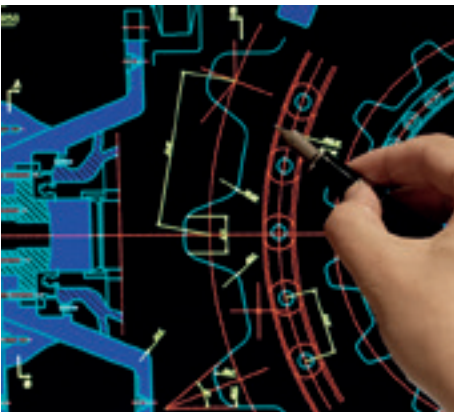
Since the start of the Meher Group of companies in 1995, Meher has believed that innovation is key. From its origins, the entire team, from production, to research and development, to sales, and admin, we must all work together to ensure we improve the trailering industry by providing *"Safety through Innovation"*.

The entire team at Meher work together to ensure this vision, *"Safety through Innovation"* is followed, and in order to do so effectively, one of the prime goals is to manufacture and build products which have a high level of quality control.

Every team member is trained to understand the product, its usage, assembly, and eventual use. At each stage of the production, systems are put in place to ensure quality and safety for the consumer and staff is maintained.

To ensure a quality product, we ask all members of the team, if you were the customer, would you buy this product? If the answer is yes, we know, we have built a quality product.

As customers, you are the primary user of our product. You are the ones who are using our creation regularly, and as such, have first-hand experience of what improvements you would like to see. At Meher, we welcome feedback from our valued customers so that we can continue with our vision of providing *"Safety through Innovation"* and further improve our quality.



# YOUR NEW LUBELOC ROTOR ASSEMBLY PRODUCT

## Introduction

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Thank you for purchasing a product designed and manufactured by the team at Meher. To support our product, this user manual outlines the working, service and maintenance of our LubeLoc rotor assembly systems. To develop these systems, we have worked closely with a number of customers to understand their requirements and needs. All products have been tested to ensure utmost quality, durability, and where applicable, meet or exceed "Standards Requirements".

## Trailer Hubs

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Your axle is fitted with a LubeLoc Bearing Protector that replaces a conventional Grease cap. In conjunction with this device, The Meher Group have researched and rigorously tested a superior lubrication solution that offers advantages when compared to generic products. The principles used are to Lock in the lubrication and prevent contamination from external environmental condition by retaining positive pressure internally.

A spring-loaded piston within the LubeLoc moves inside the outer housing approx. ½" to manage internal pressures. The positioning of the piston inside the housing will be seen to change depending on temperatures.

At the rear of each hub is retained a spring-loaded neoprene seal capable of withstanding harsh conditions at high pressure. This seal rotated with the hub, but its inner sealing surface rotates on an axle spindle that includes a stainless steel sleeve ensuring the seal rubbing surfaces are not damaged by corrosion during its life.

This system has proven to provide a low maintenance, trouble-free cost-effective solution to axle maintenance.

## Product identification

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Every LubeLoc has identification on its outer body. In the event this detail no longer legible, the models noted below relate to the Dust Cap diameter, specific to axle loading and bearing selection.

If replacement outside warranty period is required, then the HUB numbers below can be quoted to your parts agent.

**LOC – 375 / HUB-04-0001N – LubeLoc – 50mm (1.98) OD – 3750 lbs**

**LOC – 420 / HUB-04-0002N – LubeLoc – 59mm (2.33) OD – 4200 lbs**

**LOC – 550 / HUB-04-0003N – LubeLoc – 62mm (2.44) OD – 5500 lbs**

## Our Lubricant

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This specially formulated lubricant is specific to this application and is not used in conjunction with conventional dust caps. Its design and purpose are to work in a sealed environment under light pressure and maintain its ability to lubricate the bearing in heavy load applications. Then as the lubricant viscosity changes during operation, heat is transferred and dispersed by the hub.

Due to this light pressure some minor lubricant seepage can be seen at the rear seal but if excessive leakage is seen, contact The Meher Group for instructions. No lubricant should be seen leaking from the front of the LubeLoc assembly. Only lubricants supplied by the Meher Group can be used in conjunction with the LubeLoc system, as other lubricants are likely to damage or impair function.



## Lubrication Life Expectancy

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The Meher Group can offer a 5 year Warranty for the LubeLoc system when installed at our factory. During this time, the lubricant does not need to be inspected nor replaced. Breaking the seal on such installation that includes a Meher warranty will void said warranty.

**Refer to our website – [www.themehergroup.com](http://www.themehergroup.com) to learn more about our warranty policy and procedure for claims.**

## Service Inspection of Bearings

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There should be no need to adjust bearings within the first five years of life. Servicing is not required. If for some reason a concern is raised, this must be brought to the attention of The Meher Group, who will review and manage a review process. Failure to notify The Meher Group prior to breaking the seal on any such installation, will void warranty.

## Maintaining your LubeLoc

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Rigorous testing has proven these units extremely robust, but some care needs to be taken to ensure the piston remains free to move. It is recommended light water pressure from a hose be used around the periphery of the inner piston if contamination noted. The direct injection from High Pressure water blasters, is likely to bypass the piston seals and induce water to the wheel bearing that could result in failure.

Soapy water can be used to clean the exterior surfaces of the body as part of your general vehicle maintenance routine. The use of strong alkaline or acid solutions will damage this unit possibly resulting in failure. If physical damage is noted to the body (Dent) or cracking of the piston noted causing lubrication loose, then the assembly will need to be replaced. Seek guidance from The Meher Group if replacement is needed as part of any existing warranty.

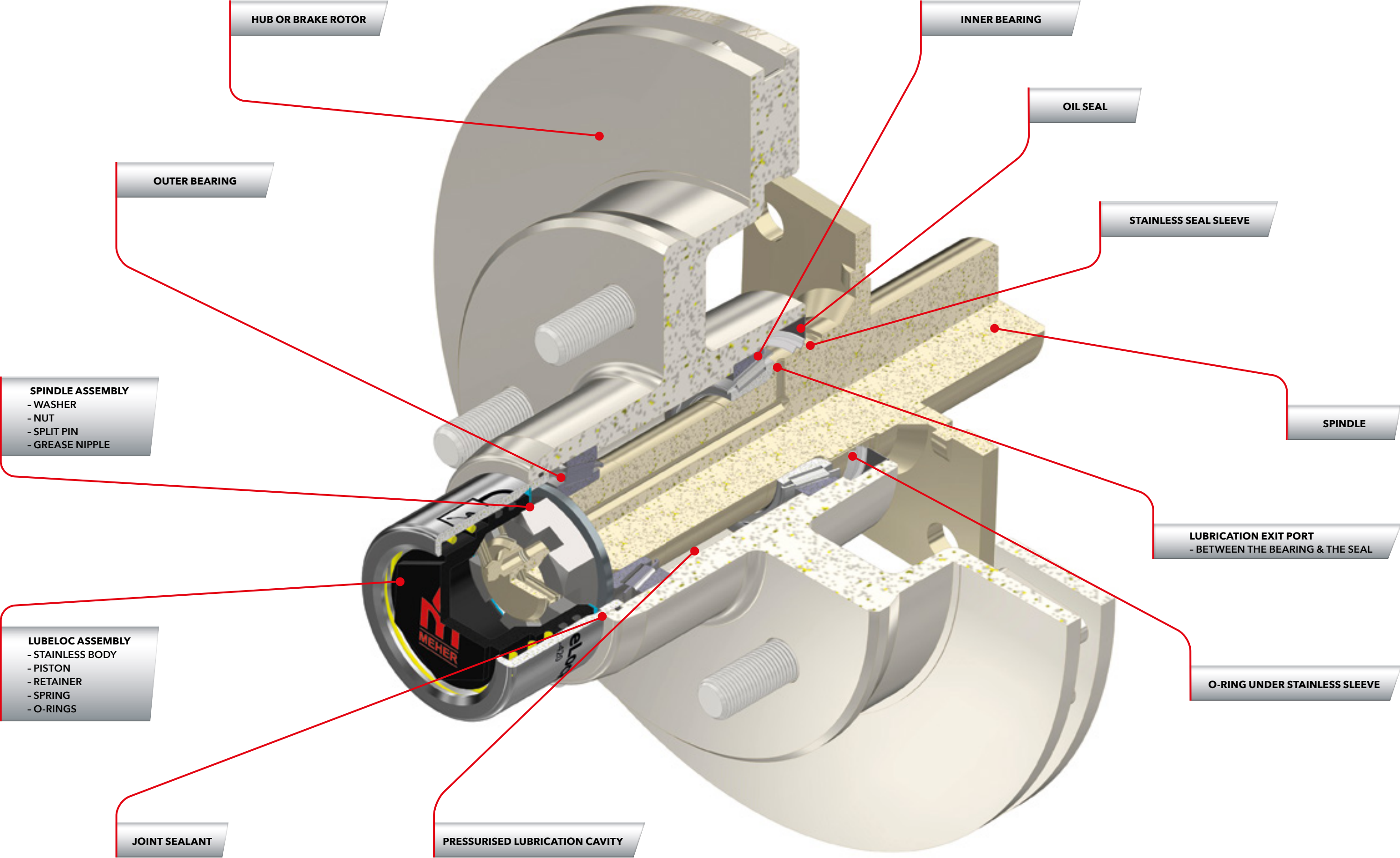
## Product Replacement

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If replacement is required for items outside warranty, possibly due to damage or theft, see product identification earlier in this manual for ordering. The installation of this product is best carried out by an approved Meher Distributor as a special tool and installation sequence is required to ensure the longest service life possible.

**Refer to our website – [www.themehergroup.com](http://www.themehergroup.com) to learn more about our warranty policy and procedure for claims.**

# LUBELOC ROTOR ASSEMBLY – PARTS EXPLANATORY





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**[www.themehergroup.com](http://www.themehergroup.com)**