

# **SERVICE MANUAL**

## **Telehandler LM625**

Print No. 84571197A



# Workshop manual

## LM625

### TELESCOPIC HANDLERS

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## GENERAL INSTRUCTIONS

### IMPORTANT NOTICE

All maintenance and repair operations listed in this Manual must be performed exclusively by the Service Network of the Manufacturer, complying strictly with the indications herein and using the prescribed special tools where indicated.

Any person performing service operations described in the manual and failing to abide strictly by the instructions becomes solely responsible for any consequential damage that could occur.

### SHIMS

Select the shims for each adjustment, measuring them one by one with a micrometer and then adding together the values measured: Do not rely on the measurement of the entire pack, which could be wrong, or the nominal value indicated on each washer.

### SEALS FOR ROTATING SHAFTS

For correct installation of the seals on rotating shafts, observe the following precautions:

- prior to installation, soak the seals for at least half an hour in the same oil they will be exposed to in operation;
- clean the shaft thoroughly and make sure that its working surface is undamaged;
- direct the lip toward the fluid; in the case of a hydrodynamic lip, the ribs or grooves must be positioned, relative to the direction of rotation of the shaft, in such a way as to propel the fluid toward the inside of the seal;
- smear the sealing lip with a film of lubricant (oil is preferable to grease) and in the case of double lip seals, pack the gap between the sealing lip and the dust lip with grease;
- insert the seal in its seat, and press home using a punch with a flat contact face; never on any account strike the seal with a hammer or mallet;
- when pressing home the seal, make certain it is inserted perpendicularly in relation to the seat and, once in place, make certain it is in contact with the shoulder, where specified.
- to prevent the lip of the seal being damaged by the shaft, interpose suitable protection media during the installation of the two parts.

### O-RINGS

Lubricate O-rings before inserting them in the relevant seats to prevent them twisting and rolling in the course of installation, as this would adversely affect their sealing action.

### SEALING COMPOUNDS

Mating surfaces marked X must be smeared with a sealing compound recommended by the Manufacturer, or a suitable equivalent.

Before applying the compound, prepare the surfaces in the following manner:

- remove any encrustations with a metal brush;
- degrease the surfaces thoroughly using the degreasing agent recommended by the Manufacturer, or a suitable equivalent.

### BEARINGS

When installing bearings, the rings should be:

- heated to 80° 90°C before shrinking (inner) onto the shaft;
- cooled before driving (outer) into the seat.

### ROLL PINS

When installing roll pins, make sure that the cut is facing in the direction of the mechanical force bearing on the pin.

Spiral roll pins, on the other hand, can be fitted with any orientation.

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