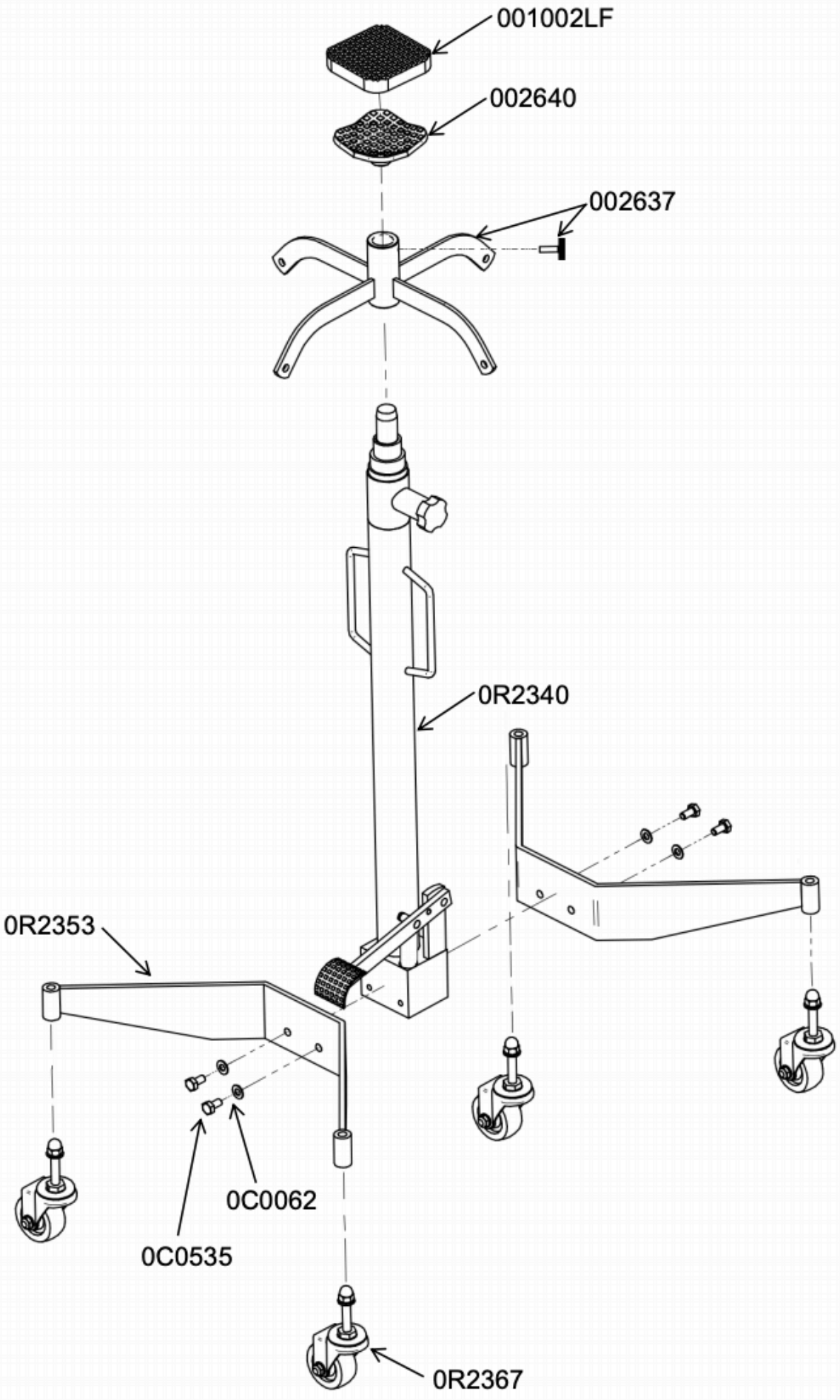
TJ525


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Instruction Manual (GB)

Transmission Jack, TJ300, TJ325, TJ525, TJ1000,TJ-T1300

Important: Read and understand this manual before use!

Responsibility of the owner and7or the machine operator.
These instructions are an essential part of the crane and must always follow it, even in case of sale.
The owner and/or the operator of the crane shall understand the product operating and warning before operating the workshop crane.
If the operator is not fluent in English, the product instructions and warnings shall be read to and discussed with the operator in the operator's native language, making sure that he understands its contents.
The constructor is not liable for damages to people or things due to unfit or unallowed of the jack.

Packing

The transmission jack is sent into cartoon box package in the following pieces.
1 saddle - 2 trolleys - 1 jack body - 1 Little bag with 4 pivoting kits.

Assembling

Open the packages while checking that the machine has not suffered any damages in transit and that all pieces in the packing list are present. The packing material is to be recycled or used again.
Apply the 4 pivoting wheels to the 2 trolley ends and block them looking the nut and washer (fig.1).
Fix without locking the 2 trolleys down to the pump by mean of the hexagonal head screws and relative washers (fig.1). Lock the carriages bolts to the jack only after checking that the outside rod is set at right angles to an horizontal plane.
Insert the saddle on the rod end.
Before operating the jack, replace the oil plug (ref.A, fig.1) on the cylinder with the holed one (ref.B, fig3)
supplied by the manufacturer.
Test the jack lifting first without load, then with the rated load. (Attention! Respect the load capacity shown on the jack.)

Operation

Lifting: Pump on the pedal of the jack by a foot (fig.3).
Lowering: Turn slowly the release valve to the left (fig.4).

Safety:

The use of this jack is limited to the removal and installation of transmissions and differentials.
When loaded, the transmission jack may be used on a short flat way and only with the jack in the lowest position, with the rod completely inside (fig.5). Check that during transport the load do not swing and suddenly fall.
Do not overload! Overloading may cause damages to persons or things.
It may be used with appropriate adapters manufactured especially for the jack to handle other components, such as rear units and transfers cases, within the limitations specified.
Be sure that the vehicle is appropriately before repairs.

Warning:

Avoid decentral placement of the gravity of the load.
Decentral placement of the load might cause overturning of the damage to the jack.
This jack is designed for use on hard level surfaces capable of the load. Use on other than surfaces can result in jack instability and possible loss load (fig.5).
The safety valve is calibrated and sealed by manufacturer; it is absolutely forbidden to tamper with this valve or change its calibration.
Failure to heed this warning may result in loss of the load, damage to the jack and/or failure resulting in personal injury or property damage.

Maintenance:

The hydraulic system (pump/cylinder) is a sealed system, that requires only of the moving parts. In the hydraulic unit leaks oil or has to be dismantled for gasket replacement, you need to make the pump working and slowly add through the filling hole. When the transmission jack is in the lowest position. The oil level should not exceed the filling cap level. For dismantling apply to authorised people.
Required quantity of oil: 0.95 lt.
The hydraulic system contain enough oil when the jack reaches the reaches highest position.

Warning:

A surplus of oil might cause troubles.
Use any hydraulic oil of gradation ISO32 (ref. Shell Tellus T37 or equivalent). NEVER USE BRAKE FLUID.
Oil the pedal mechanical parts every 2 months with an high quality oil and grease the head pumping element. In case of leaking from the hydraulic system replace the seals.

Inspections:

Before using each jack should be checked to leaks, damages, missing, loose and worn parts.
Each jack shall be inspected immediately if it is believed to have been subject to an abnormal load or shock. It is recommended that this inspection be made supplier's skilled personnel.
It is recommended that an annual inspection of the jack made by a suppliers authorised specialist and that defective and dangerous parts must be replaced with original spare parts supplied by the manufacturer (see spare parts list).

Damaged jacks:

Every damaged very used or abnormally operating jack shall be removed from service.

Jacks destruction:

When the jack must be destructed materials must be recycled according to the country law in force.