

# Trouble shooting

## Manual jacks

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### How to install a replacement pump

Thank you for contacting us and for letting us participate in resolving the problem.

**IMPORTANT:**

Please note that it is **dangerous** to adjust the capacity of the jack to a higher maximum lifting capacity than the maximum rated capacity. The structure is build to lift and support the rated capacity and no more. **Exceeding** the rated capacity may endanger your own and other peoples lives, due to the risk of the **collapse** of the jack! Failing to follow this safety instruction could cause accidents resulting in serious or fatal personal injury and/or property damage.

Please follow the steps below to resolve the problem:

1. Make sure the lifting arm is in its lowest position.
2. Turn the jack upside down and place on a table.
3. Place a piece of wood between the lift arm and chassis - thus creating a vacuum in the hydraulic system.
4. With a screwdriver twist of lockring # 1971, remove pin # 2795, remove lockring # 120 and pull out pin # 969.
5. Remove nuts 466 on both sides.
6. Unscrew oil pipe from pump housing. Expect some oil to drain.
7. Take out the pump. Replace with new pump.
8. Connect oil pipe to pump housing. Make sure both the spring and brake valve is in place and that the break valve is facing the correct way.
9. Span # 466 nut firmly to chassis - making sure that guide pin is inside hole in chassis - as pump housing is connected.
10. Put in pin # 2795 and mount lockring # 1971.
11. Put in pin # 969, and mount lockring # 120
12. The release spindle on the replacement pump has been adjusted at the factory, readjustment of the pump should not be necessary.

#### Adjustment of installed pump:

1. Turn the jack back on its wheels.
2. Remove piece of wood between arm and chassis.
3. Turn the release handle to release the jack.
4. Unscrew oil plug 15 and refill oil. Correct oil level is 10 mm (1/2") below the hole.
5. Lift without load to maximum height.
6. Release - thereby purging air from the system.
7. Put plug 15 in again.
8. Place the jack under a load of rated capacity.
9. Place saddle in 10-20 cm above floor level.
10. Try to lift the load by pumping the handle.
11. Once resistance is felt from the handle while pumping, leave the jack in this position.
12. Turn the nuts # 128 anticlockwise until saddle of jack releases its load.
13. Then turn the nuts # 128 7 times clockwise.

Very important !

To finalize the repair you need to readjust the overload valve. A separate instruction is available on how to readjust the overload valve.

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