

# Instruction Manual

## Air- and handhydraulic jack, AM

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**Important: Read and understand this manual before use!**

**IMPORTANT:** When the jack is used with air supply it must all-ways be connected to a waterseparator and oiler within a maximum distance of 16 metres/40 feet. Otherwise it invalidates the guarantee.

### Mounting:

Loosen the thumbscrew at the side of the fork handle. Insert the handle and tighten the thumbscrew till it catches the groove in the jack handle. Check: The jack handle must be able to be lifted and turned about 2 cm (1/2"). Airsupply 8-10 bar (130-160 psi)

### Operating instructions:

**Lifting the saddle to working height:**

Activate the air-pneumatic pump by pushing the button on the jack handle or operate the jack manually by pumping with the jack handle. Use max. stroke so that the saddle quickly reaches the working height. For models with a foot lever, the foot lever can also be used to approach the saddle quickly to the working height.

**Lifting a load:**

Elevate the jack handle to a position of approximately 1/3 of the stroke above ground level and keep on pumping until the load reaches the level required or activate the air-pneumatic pump. Avoid re-peated pump movements at top height as such movements may cause damage to the sleeve of the lifting cylinder. When the jack is overloaded, the excess-pressure valve opens: The vehicle cannot be lifted.

**Lowering:**

Pull the jack handle and turn the handle to the right. The lowering speed can be controlled by the turning angle.

### WARNING

1. The jack is for lifting only - not for supporting the load. Always use vehicle support stands under the vehicle before starting in-spection or working.
2. The jack is to be used at level and solid ground only.
3. During lifting the minimum distance to walls, doors and other fixed objects must be minimum 0,5 m (2 feet).
4. The jack is not to be operated if this can result in outflow of petrol, battery acid or noxiousness liquid which can damage the vehicle.
5. Lubrication and check are to be made by a skilled person at least once a month.
6. Only use lifting points recommended by the manufacturer.
7. No person is allowed to stay in a vehicle that is being jacked.
8. If the jack has irregularities which effect the safety, the jack must not be operated until repaired.

### Safety stop:

Disconnect the air supply by removing the Quick coupling

# Maintenance:

Every day:

Drain off the waterseparator and fill up the oiler

Every month:

Lubrication of the mechanical parts with oil free from acid. Check oil level by removing the oil plug at the top of the pump unit. When the lifter is lowered, the oil level in the manual pump is to be about 10 mm below the filling opening for the models AM 4T, AM 6T, AM 2,5T-5H, AM 3T-7H.

For the models AM 10T, AM 15T, AM 18T, AM 20T it must be about 30 mm below the filling hole (Note: At certain models it is necessary to remove the cover in order to get access to the oil plug).

Every three months:

Remove the lock rings on the castor wheels and lubricate the balls with grease free from acid.

## WARNING

Use ONLY hydraulic oil such as CASTROL HYSPIIN AWS-22 or a similar oil. DO NOT use brake fluid or motor oil.

Recommended types of oil of viscosity 22°CSt:40°C:

Castrol	Hyspin AWS 22
Shell	Tellus 22
BP	Energol HLP-HM 22
elf oil	Elfolna DS 22
Mobil	DTE 22
Fina	Hydran LZ 22
Q8	Q8 Hayden 22
Statoil	Hydraway HV 22
Texaco	Rando HD 22
Valvoline	Ultramax HLP 22
Reinhard oil	Sunvis 822 WR

Sound pressure level at max. capacity: 78 dB(A)

## Trouble shooting:

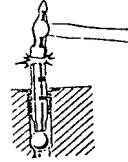
The jack cannot lift the load. The lowering valve does not close 100%. Tap with a hammer on the spindle and loosen the outer nut No. 128 and adjust the tolerance to 0,5 - 1,5 mm. NB: By adjustment the spindle is not to be turned.

The jack does not lift to its rated max. height: Check the oil level.

After several years of use the packings may be worn out, then replace them with an original repair kit.

## Repairs:

- A. Elevate the jack to maximum height and keep the lifting arm in this position.
- B. Drain off the oil by demounting the oilhose "S".  
Oilplug No. 2207 must be demounted.
- C. Demount and take apart the pumps and the cylinder.
- D. Clean the pumps, the cylinder and the oilhose thoroughly.
- E. Insert new parts of the repair kit and ensure that the valves seat by tapping them as shown.
- F. Check the springs (No. 902) in the valve. Eventually adjust the springs so they are making an even pressure on the ball. Correct length of the spring (No. 902) is 18 mm.
- G. Fill up with hydraulic oil according to the oil specification  
1,5l: AM 4T, AM 6T, AM 2.5T-5H, AM 3T-7H  
2,5l: AM 10T, AM 15T, AM 18T, AM 20T
- I. Adjust the excess-pressure valve (screw No. 2415) by loading the jack with an object or device creating a pressure according to max. capacity. The adjustment must take place with the beam in minimum position. The excess-pressure valve must be adjusted in such way that the load cannot be lifted. Adjustment in order to increase the lifting capacity must be clock-wise. The excess-pressure valve for the manual pump is adjusted through the side of the frame.



## Accessories, spare parts:

Please see the spareparts-drawings and the sparepartslist for further information.

USE ORIGINAL SPARE PARTS ONLY !

## Decommissioning:

If the jack should ever be scrapped, draw off the oil into an approved container and dispose it at an approved authority.