

Instruction Manual

Air-hydraulic Jack,

A2510-C / -CT G3/G4/G5, A4411-C /-CT G3/G4/G5,
A4422-C/ -CT G3/G4/G5, AV20-C /-CT G3/G4/G5

Important: Read and understand this manual before use!

WARNINGS - SAFE USAGE INSTRUCTIONS:

1. This is a lifting device only.
Do not move or dolly the load while on the jack. The load must be supported immediately by other appropriate means.
2. Do not overload. Overloading can cause damage to or failure of the jack.
3. Lift only on areas as specified by the manufacturer.
4. Do not use more than 2 standard extensions in sequence.
5. This jack is designed for use only on hard level surfaces capable of sustaining the load. Use on other than hard level surfaces can result in jack instability and possible loss of load.
6. It is recommended that the wheels of a vehicle be chocked.
7. No person should remain in, on, or get bodily under a load that is being jacked or is supported only by a jack.
8. The safety valve being adjusted and sealed by the manufacturer shall not be additionally adjusted.
9. Maximum permissible pressure: 170 PSI, 12 bar.
10. Failure to heed these warnings may result in loss of load, damage to jack, and/or failure resulting in personal injury or property damage.

Assembly:

Please note that it is necessary to use a little oil for lubrication during assembly of the jack. During transport this oil may drip to the bottom of the carton. This is inevitable and absolute no sign of defect.

IMPORTANT: When mounting the handle turn the hoses round the bearing tubes of the handle as shown on the detail drawing - $\varnothing 6$ connection for $\varnothing 6$ quick fitting (15) and $\varnothing 8$ connection for $\varnothing 8$ quick fitting (16).

When the jack has been turned over or upside-down a little oil will come into the hoses and come out with the pump exhaust.

Oil the mechanical parts before starting up - and regularly thereafter.

Air supply through fitting (7) ($\frac{1}{4}$ " pipe thread) handle 0Z44.001, (10) telescopic handle 003166.

Use of the jack:

Damp air will damage the air jack on a long view.

Lifting: Turn the control valve clockwise until the pump starts. Max capacity at 9,0 bar.

Lowering: Turn the control valve counter clockwise.

The handle can be placed in 3 different positions by pulling the springloaded release grip of the handle and tipping the handle into the required position.

Lower the jack after use to protect the lifting cylinder

Maintenance:

Like other pneumatic tools the air pump of the jack needs oil for lubricating the moving parts. It is recommended to use a built-in air lubricator and filter on the compressor.

Weekly: Lubricate the air motor by injecting a little oil into the air connection. Lubricate the cylinder wall and spread the oil by lifting to maximum position.

Monthly: Lubricate all moving parts with a few drops of oil. At the same time inspect air jack and extensions for damage and wear and tear.

Refilling of oil: Screw off the filling plug (9) at the side of the jack to refill. Correct oil level is to the lower edge of the hole for the the filling plug with the jack in horizontal position, and cylinder in lowest position.

Quantity of oil: (A2510, A4411 - 2,5l), (AV20 - 3,0l), (A4422 - 3,5l)

Any good hydraulic oil of viscosity 10°-32°cST/40°C can be used.

NEVER USE BRAKE FLUID!

Possible faults, and how to overcome them:

1. The jack cannot lift to maximum height, and the pump runs continuously: Refill the oil tank.
2. The air engine goes too slowly: the air filter (handle 0Z44.001 (8), (14) teleskopic handle 003166) of the control valve has been blocked and needs cleaning or change.
3. The control valve cannot be turned or goes very slowly, even with pressure on the system: The air supply is very watery and the lubricating film in the valve has been washed out. Mount a water separator with lubricator on your compressor. Loosen the fitting (handle 0Z44.001 (10), (16) teleskopic handle 003166) from the valve, fill the valve with oil, and use the valve many times without air connection. Oil the jack more frequently.
4. In frosty weather: The jack will not pump: There is too much water in the air supply, which has frozen. Mount a water separator with lubricator on the compressor. Change the oil of the jack, if water in it.

Apart from the above, faults may arise after intensive use due to worn seals, which must then be replaced by new seals.

MAX. PERMISSIBLE PRESSURE: 12 bar - 170 PSI.

Destruction:

When the jack after several years is worn and must be dismantled, the oil must be drained off and legally disposed of.