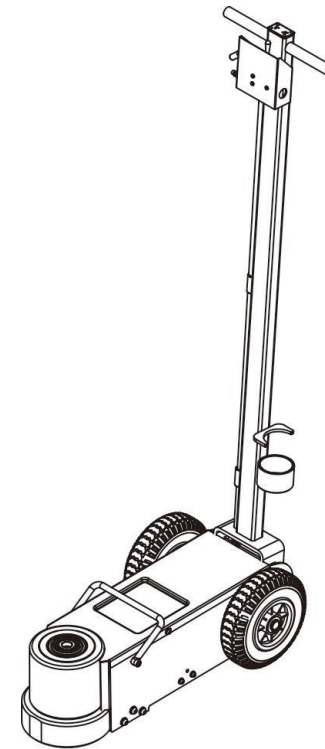


# OPERATOR'S MANUAL

## 40/20TON TELESCOPIC AIR FLOOR JACK



1st Stage Lifting Capacity	2nd Stage Lifting Capacity	Max Lift Height	Min Lift Height	Air Supply Pressure	Package Size (mm)
40,000kg	20,000kg	395mm	150mm	100-145psi	1#570*305*175mm 2#1320 x 335 x 85 mm

## WARNING

**IMPORTANT: READ ALL INSTRUCTIONS BEFORE USE**



### WARNING

The instructions and warnings contained in this manual should be read and understood before using or operating this equipment. Do not allow anyone to use or operate this equipment until they have read this manual and have developed a thorough understanding of how this equipment works. Failure to observe any of the instructions contained in the manual could result in severe personal injury to the user or bystanders, or cause damage to the equipment and property. Keep this manual in a convenient and safe place for future reference.

Whilst every effort has been made to ensure accuracy of information contained in this manual, the Brands Pty Ltd policy of continuous improvement determines the right to make modifications without prior warning.

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## TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	ACTION
Jack will not lift	Control valve in wrong position. Low/no oil in reservoir. Air-locked system. Load is above capacity of jack. Delivery valve and/or bypass valve not working correctly. Seals worn out or defective.	<i>Move control valve to UP position.</i> <i>Fill with oil and bleed system.</i> <i>Bleed system.</i> <i>Use correct equipment.</i> <i>Clean to remove dirt or foreign matter. Replace oil.</i> <i>Install appropriate seal kit.</i>
Jack lifts only partially	<ul style="list-style-type: none"><li>• Too much or not enough oil</li></ul>	<ul style="list-style-type: none"><li>• Check oil level</li></ul>
Jack advances slowly	<ul style="list-style-type: none"><li>• Pump not working correctly</li><li>• Leaking seals</li></ul>	<ul style="list-style-type: none"><li>• Install seal kit, or replace power unit</li><li>• Install seal kit</li></ul>
Jack lifts load, but doesn't hold	<ul style="list-style-type: none"><li>• Cylinder packing is leaking</li><li>• Valve not working correctly (suction, delivery, release or bypass).</li><li>• Air-locked system</li></ul>	<ul style="list-style-type: none"><li>• Install seal kit</li><li>• Inspect valves. Clean and repair seat surfaces</li><li>• Bleed system as per instructions</li></ul>
Jack leaks oil	<ul style="list-style-type: none"><li>• Worn or damaged seals</li></ul>	<ul style="list-style-type: none"><li>• Install seal kit</li></ul>
Jack will not retract	<ul style="list-style-type: none"><li>• Control valve in wrong position</li></ul>	<ul style="list-style-type: none"><li>• Move Control valve to DOWN position</li></ul>
Jack retracts slowly	<ul style="list-style-type: none"><li>• Cylinder damaged internally</li></ul>	<ul style="list-style-type: none"><li>• Send jack to authorised service centre</li></ul>

## 8. MAINTENANCE

Monthly maintenance is recommended. Lubrication is critical to jacks as they support heavy loads. Any restriction due to dirt, rust, etc, can cause either slow movement or cause extremely rapid jerks damaging the internal components. The following steps are designed to keep the jack well maintained and operational.

**Important:** Dirt is the greatest single cause of failure in hydraulic units. Keep the jack clean and well lubricated to prevent foreign matter from entering the system. If the jack has been exposed to rain, snow, sand, or grit it must be cleaned before it is stored or used.



- Only use replacement parts that are approved by the manufacturer. Disconnect the air supply before performing any maintenance operation.
- Lubricate the ram, linkages, saddle, wheels and pump mechanism with light oil.
- Visually inspect for cracked welds, bent, loose, missing parts or hydraulic oil leaks.
- Any hydraulic jack found to be damaged, worn or operates abnormally must be removed from service until repaired by an authorised service representative.
- Regularly clean all surfaces and maintain all labels and warnings.
- Check and maintain the hydraulic ram oil level.
- Check the ram every three months for any sign of rust or corrosion. Clean as needed and wipe with an oily cloth. When not in use always leave the saddle and ram all the way down.
- Always store your jack in the fully retracted position. This will help protect critical areas from corrosion. Do not use brake or transmission fluids or regular motor oil as they can damage the seals.

**ONLY USE HIGH QUALITY HYDRAULIC FLUID – ISO68**

## 9. SERVICE & REPAIR

Any jack found damaged in any way, or found to be worn or operates abnormally should be removed from service until repaired by an authorized service agent. Owners and / or operators should be aware that repair of this product may require specialized equipment and knowledge. Only authorized parts, labels, decals shall be used on this equipment. Annual inspection of the jack is recommended and can be made by an authorized repair facility to ensure that your equipment is in optimum condition and that the equipment has the correct decals and safety labels specified by the manufacturer.

## SAFETY INSTRUCTIONS

 <b>WARNING</b> 	
<b>FAILURE TO READ THESE WARNINGS MAY RESULT IN PROPERTY DAMAGE &amp; PERSONAL INJURY</b>	
<ul style="list-style-type: none"><li>• Support load by appropriate means after lifting</li><li>• Do not exceed rated capacity</li><li>• Centre load on the jack</li><li>• Only use attachments and/or adapters supplied with or sold specifically for the jack</li></ul>	<ul style="list-style-type: none"><li>• Only lift areas of the vehicle designated by the vehicle manufacturer.</li><li>• Use as lifting device only</li><li>• Use only on hard, level surface</li><li>• Do not modify jack</li></ul>



### SAFETY OPERATING INSTRUCTIONS

- This jack should be used for lifting and lowering only. The raised vehicle should be supported on approved vehicle stands. No person should get any part of the body under a vehicle that is supported by this jack.
- Position the jack to only lift on the areas of the vehicle specified by the vehicle manufacturer.
- Use support stands – after lifting the vehicle always support the load with appropriately rated vehicle support stands before working on the vehicle.
- Do not overload this jack beyond its rated capacity. Overloading this jack beyond its rated capacity can cause damage to or failure of the jack.
- 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.
- Centre load on jack saddle before lifting vehicle.
- Off centre loads and loads lifted when the jack is not level can cause loss of load or damage to the jack.
- Keep hands & feet clear of the jack hinge mechanism & ground contact area when lowering the load.

**THIS JACK IS A LIFTING DEVICE ONLY & IS DESIGNED FOR LIFTING PART OF THE TOTAL VEHICLE. DO NOT MOVE OR DOLLY THE VEHICLE WHILST THE VEHICLE IS ON THE JACK.**

## ASSEMBLY, OPERATION, PREVENTITIVE MAINTENANCE

### 1. FEATURES

2. The Air/Hydraulic floor jack utilises compressed air to activate a booster cylinder, to move hydraulic oil within the cylinder up & down. It adopts a industrial hydraulic design combination of compressed air and hydraulic pressure, to create, strong jacking capacity and low lifting clearance in one jack. This floor jack lets you really get under your loads with a 193mm minimum height. Designed to lift buses and other large, low-clearance vehicles with maximum stability.

### 3. ASSEMBLY

**Assembly of Handle:** After removing from the packing material, make sure the product is in perfect condition and that there are no visible damaged parts. Dispose of the packaging material responsibility .

1. Unscrew the wheels from the jack, and assemble the handle fork between the wheels and jack body by bolts and washers.
2. Connect the red air hose in the handle to the hose coupler with red hose end, and the blue one to the coupler with blue end.
3. Open the ball valve (Part #23) by turning the knob counter-clockwise.

**Bleed Air from the Garage Jack:** Air can accumulate within a hydraulic system during shipment or after prolonged use. This entrapped air causes the jack to respond slowly or feel “spongy”. To remove the air:

1. Move the control lever to DOWN position, and hold it there for a few seconds.
2. Move the control lever to UP position to complete the load-free lifting cycle.
3. Move the control lever to DOWN position to retract the jack pistons. The pistons should react in a smooth motion. If not, repeat steps 1-3.
4. If the jack does not immediately respond, repeat steps 1-3

### 4. BEFORE USE

Prior to each use conduct a visual inspection checking for abnormal conditions, such as cracked welds, leaks, and damaged, loose, or missing parts.

- Consult the vehicle owner’s manual to determine the location of lift points.
- Be sure to set the vehicle in park with the emergency brake on and wheels securely chocked.
- Be sure that the vehicle and the jack are on a hard, level surface.

### 5. OPERATION

1. Verify the control level is in the neutral position.
2. Connect compressed air supply to the jack. (Compressed air should be clean, dry, and regulated at 100-145psi). Install an air filter/lubricator in the shop air line, because water in the air line will damage the jack.
3. Make sure the jack and vehicle are on a hard level surface.
4. Always set the vehicle parking brake and block the wheels.
5. Move the control lever to UP to raise the saddle to the contact point. Move the control level to neutral position.
6. Check the placement of the jack. The load must be centred on the jack saddle. Avoid jack wheel obstructions such as gravel, tools, or uneven expansion joints.
7. Position the jack under the vehicle using the manufacturer's recommended lifting points on the chassis.
8. Move the control lever to UP to finish lifting the vehicle.
9. Always immediately position approved jack stands under the vehicle at points that will provide stable support in accordance with the vehicle manufactures recommendations.
10. Always lower the vehicle slowly onto the jack stands by pushing the control lever to the DOWN position.

### 6. INSPECTION

- Prior to each use conduct a visual inspection checking for abnormal conditions, such as cracked welds, leaks, and damaged, loose, or missing parts.
- The jack shall always be maintained in accordance with the maintenance instructions (Section 7). No alterations or modifications shall be made to this Jack.
- Inspections shall be performed in accordance with this owner’s manual.
- The jack must be inspected immediately if it is believed to have been subjected to abnormal load or shock.
- Owners and /or operators should be aware that repair of this product may require specialised equipment and knowledge (refer to maintenance section).

### 7. STORAGE

This jack should always be stored in a dry location on a level surface with the lift ram pistons in the fully retracted position, where it will not be exposed to corrosive vapours, abrasive dust, or any other harmful elements.