

SEALEY

VIKING AIR OPERATED LONG REACH TELESCOPIC JACK 50-80 TONNE

MODEL NO: **YAJ50-80LR**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to
instructions



Wear safety
footwear



Wear protective
gloves

1. SAFETY

- ☐ **WARNING!** ALWAYS USE AXLE STANDS
- ☐ **WARNING!** Please note that the handle socket of this jack is retained under tension and must be released before use. Caution should be taken when releasing, as the handle socket will suddenly raise to its upright position if not controlled.
- ✓ It is necessary that the operator can watch the lifting device and the load during all movements.
- ✓ The user shall work only in accordance with this instruction manual.
- ✓ The operator shall be provided with all necessary information about training and about pumping and translating forces.
- ✓ Ensure the jack is in sound condition and good working order. Take action for immediate repair or replacement of damaged parts. Use genuine parts only. **DO NOT** modify the jack. The use of non-genuine parts may be dangerous and will invalidate the warranty.
- ✓ Locate the jack in a suitable, well lit working area.
- ✓ Keep working area clean and tidy and free from unrelated materials. Use jack on level and solid ground, preferably concrete. Avoid tarmac as jack may sink in.
- ✓ Chock wheels of vehicle.
- ✓ Ensure the vehicle handbrake is engaged, engine is switched off and transmission is in gear (or "PARK" if automatic).
- ✓ Ensure minimum distance of 0.5m between vehicle and static objects such as doors, walls, etc. to allow for vehicle tilting.
- ✓ Ensure all non-essential persons keep a safe distance whilst the jack is in use.
- ✓ Ensure there are no passengers in the vehicle.
- ✓ Place jack under only those lifting points recommended by vehicle manufacturer (see vehicle handbook).
- ✓ Check that the lifting point is stable and centred on the jack saddle.
- ✓ Ensure the jack wheels are free to move and that there are no obstructions.
- ▲ **DANGER:** Use the jack for lifting only, NOT for supporting the lifted load.
- ✓ Ensure there are no persons or obstructions beneath the vehicle before lowering.
- ✓ It is not allowed to work under the raised load until it is secured by suitable means. Use suitable axle stands under the vehicle before proceeding with any task.
- ✓ Use a qualified person to lubricate and maintain the jack.
- ✓ Ensure that only hydraulic jack oil is used in the jack.
- ✓ Lifting of persons is prohibited.
- ✗ **DO NOT** operate the jack if damaged.
- ✗ **DO NOT** allow untrained persons to operate the jack.
- ✗ **DO NOT** allow to come into contact with foodstuffs.
- ✗ **DO NOT** operate on sea ships.
- ✗ **DO NOT** operate the jack when tired or under the influence of drugs, alcohol or intoxicating medication.
- ✗ **DO NOT** exceed the rated capacity of the jack.
- ✗ **DO NOT** allow the vehicle to move during lifting or lowering, or use the jack to move the vehicle.
- ✗ **DO NOT** jack vehicle if there is a risk of spillage of fuel, battery acid, or other dangerous substances.
- ✗ **DO NOT** work under the vehicle until appropriately rated axle stands have been correctly positioned.
- ✗ **DO NOT** use the jack for purposes other than that for which it is intended.
- ✗ **DO NOT** top up hydraulic system with brake fluid. Use hydraulic jack oil only. (Sealey Part No: HJO500MLS or HJO5LS)
- ✗ **DO NOT** adjust the safety overload valve.
- ✓ When not in use store jack, fully lowered, in a safe, dry, childproof area.
- ✓ If more than 400N of effort is generated in lifting, the efforts shall be lowered by an additional person to help reduce the physical strain.
- ✓ Jacks shall be maintained and repaired in accordance with the manufacturer's instructions. Such maintenance and repair shall be carried out by qualified persons.
- ✓ No modifications shall be carried out which adversely affect the compliance of the jack with the standard.
- ✓ Check the state of the markings and that the markings remain as the initial one.
- ✓ Environmental Factor Risks: Wind, rain, or debris may affect jack stability and operator control.
- ✓ Avoid using the jack in adverse weather conditions.
- ☐ **WARNING!** When using or storing the jack, ensure it is protected from excessive wind pressure. During use, operate in sheltered areas or stabilize the jack to prevent tipping or uncontrolled movement. When out of use, store the jack indoors or cover securely to prevent wind-driven debris or gusts from damaging components or affecting safety.
- ✓ If more than 400N of effort is generated in lifting, the efforts shall be lowered by an additional person.

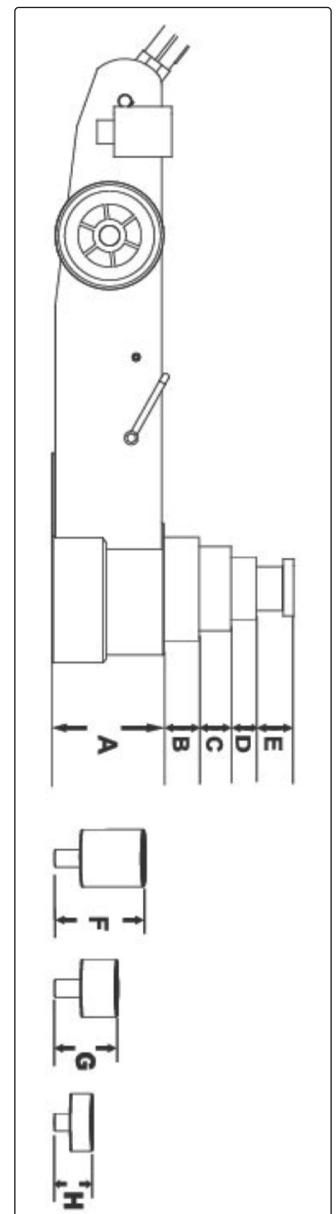
2. INTRODUCTION

Ideal for workshop or roadside use, this jack takes the effort out of lifting heavy plant, tractors and commercial vehicles. For extra safety, features dead man's handle which also aids controlled lowering speed. Supplied with extensions that close the gap between the saddle of the jack and the jacking point. See table for detailed specification.

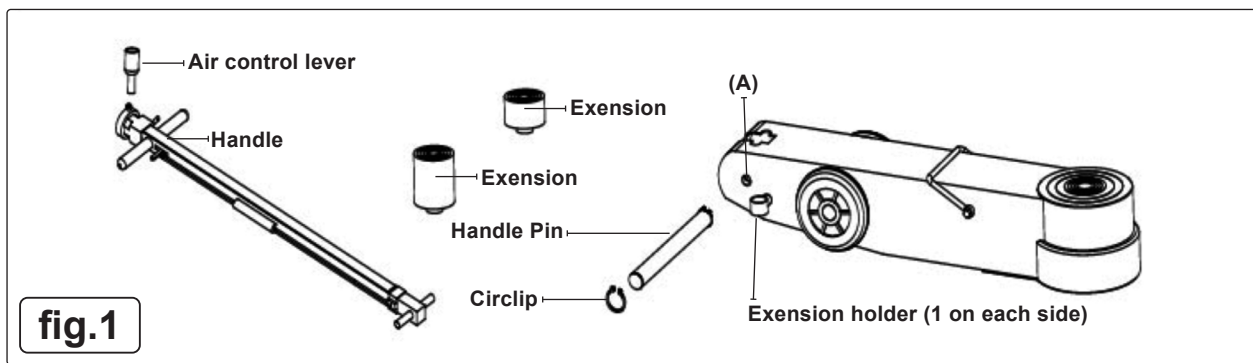
3. SPECIFICATION

Model no	YAJ50-80LR
Capacity:	80 Tonne
Chassis Length:	930mm
Extensions:	45/75mm
Maximum Air Pressure:	174psi
Maximum Height (inc. Extension)/Capacity-Stage 1 (mm/tonne):	461/80
Maximum Height (inc. Extension)/Capacity-Stage 2 (mm/tonne):	563/50
Maximum Length:	2300mm
Minimum Saddle Height:	230mm
Nett Weight:	105kg
Overall Width:	342mm
Piston Stroke:	213mm
Width without Wheels:	254mm
Working Pressure:	130-174psi
Applicable standard EN 1494	

TYPE	A (mm)	B (mm)	TON	C (mm)	TON	D (mm)	TON	E (mm)	TON	F (mm)	G (mm)	H (mm)
B	360	267	30	-	-	-	-	-	-	100	45	-
B	420	311	60	-	-	-	-	-	-	200	100	-
B	210	133	30	-	-	-	-	-	-	75	45	-
B	210	129	40	-	-	-	-	-	-	75	45	-
B	175	98	30	79	15	-	-	-	-	75	45	-
B	150	73	30	66	15	-	-	-	-	75	45	-
B	125	58	40	45	22	48	10	-	-	75	45	11
B	175	98	40	79	20	-	-	-	-	75	45	-
B	150	73	40	66	20	-	-	-	-	75	45	-
B	170	86	30	-	-	-	-	-	-	75	45	-
B	150	66	30	63	15	-	-	-	-	75	45	-
B	150	68	40	61	20	-	-	-	-	75	45	-
B	150	49	50	47	30	56	15	-	-	75	45	-
B	170	86	30	83	15	-	-	-	-	75	45	-
B	170	88	40	81	20	-	-	-	-	75	45	-
B	185	97	25	95	10	-	-	-	-	75	45	-
B	150	73	30	66	15	-	-	-	-	75	45	-
B	150	73	30	66	15	-	-	-	-	75	45	-
B	190	106	40	88	20	-	-	-	-	75	45	-
B	125	57	40	45	20	49	10	-	-	75	45	-
B	215	115	50	114	25	-	-	-	-	75	45	-
B	160	62	50	61	25	69	10	-	-	75	45	-
B	220	121	60	119	40	-	-	65	11	75	45	-
B	175	82	60	81	40	84	20	-	-	75	45	-
B	150	57	60	59	40	61	20	-	-	75	45	-
B	230	111	80	102	50	-	-	-	-	75	45	-
B	175	66	80	57	50	65	-	-	-	75	45	-

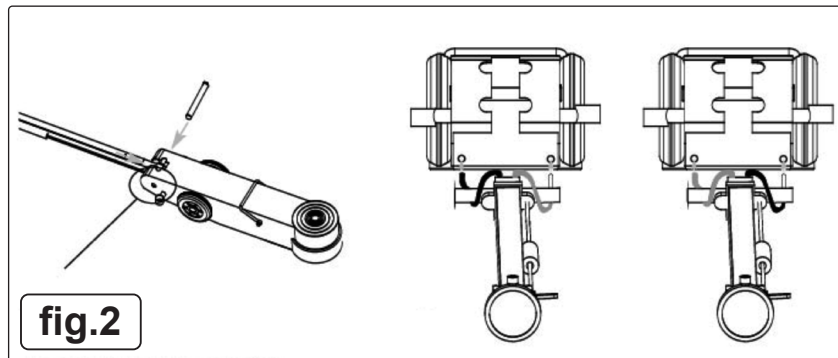


4. ASSEMBLY



4.1. ATTACHING THE HANDLE

- 4.1.1. Screw the air control lever into the handle. See fig.1
- 4.1.2. To attach the handle to the jack body, first align the handle with the corresponding holes in the jack body (A). Insert Hand Pin through the aligned holes, ensuring it passes completely through both sides of the handle and jack body. Once the pin is in place, secure it by fitting a circlip into the groove at the end of the pin to lock it in position. Make sure the handle moves freely and the circlip is firmly seated to prevent the pin from coming loose during operation. See fig.2.



4.2. EXTENSIONS

- 4.2.1. Place each extension into its corresponding holder located on the side of the jack. See fig.1

4.3. CONNECTING AIR HOSES

- 4.3.1. Push the two air fittings from the handle into the jack. Ensure both hoses are routed as photo to their corresponding air connectors on the jack. Refer to the photo in fig.3 for guidance.
- 4.3.2. Ensure the hoses are tight and do not obstruct the movement of the handle.



4.4. AIR SUPPLY

- 4.5. You will require an air pressure of at least 130psi to get the best performance from this jack.

- ❑ **WARNING!** Ensure the air supply does not exceed 174psi while operating the jack. Too high an air pressure and unclean air will shorten the products life due to excessive wear, and may be dangerous causing possible damage and personal injury.

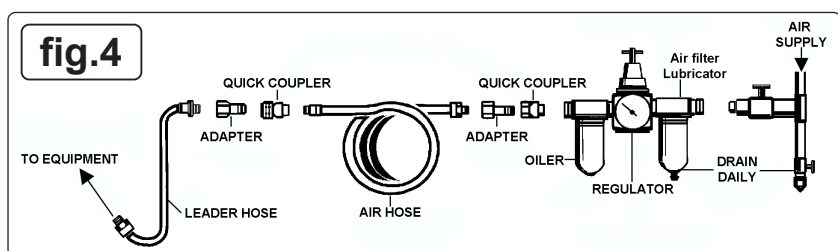
- 4.6. Drain the air tank daily. Water in the air line will damage the jack.

- 4.7. Clean the air inlet filter screen weekly.

- 4.8. Keep the air hose between the compressor and the air jack as short as possible, and install an air filter and oiler (fig.4).

- 4.9. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 3/8" I.D. and fittings must have the same inside dimensions.

- 4.10. Keep hose away from heat, oil and sharp edges. Check hoses for wear, and make certain that all connections are secure.

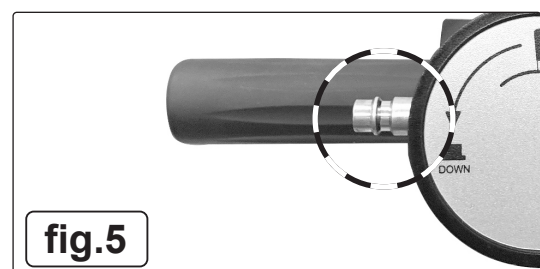


5. OPERATION

- 5.10.1. Connect the air supply to the air connector (fig.5).
- 5.10.2. To set the handle to the desired angle, pull the handle release lever upwards toward the main handle as shown in Fig. 6. While holding the lever, move the handle to the required position. Once the handle is in place, release the lever to lock it. The jack offers three selectable handle positions. See the next page illustration in fig.6.

5.1. USING THE JACK

- ❑ **WARNING!** Ensure you have read and understood the safety instructions in chapter 1 before commencing work.



- 5.1.1. Position the Jack under the vehicle manufacturer's recommended jacking point (see vehicle hand book).
- 5.1.2. Use the extension pins (fig.1) to get the jack closer to the jacking point before engaging the jack. See specification table for capacity when using the extensions.

5.2. LIFTING

- 5.2.1. Whilst holding the main jack handle, lifting is achieved by turning the air control lever to the right, as shown in Fig. 7.
- 5.2.2. When the vehicle has reached the desired height, release the 'UP' lever to stop the airflow and hold the jack at the raised position.
- 5.2.3. Place axle stands correctly in position and ensure chapter 1 safety instructions are strictly applied before performing any task.

5.3. LOWERING

- 5.3.1. Ensure there are no persons or obstruction beneath the vehicle before lowering, and remove any axle stands.
- 5.3.2. Whilst holding the main jack handle lowering is achieved by turning the air control lever to the left. Fig.7.

5.4. IN THE EVENT OF MALFUNCTION OR BREAKDOWN:

If the load fails to lower:

Use a functioning jack to raise the vehicle high enough to install the axle stands.

Remove the malfunctioning jack, then remove the axle stands.

- 5.5. Operate and store the jack in environments with stable, moderate temperatures, low humidity, and minimal dust or corrosive substances. Avoid use in extreme heat, freezing conditions, or high-moisture areas to prevent damage and ensure safe operation. Always follow manufacturer guidelines on permissible temperature and weather conditions.

6. MAINTENANCE

6.1. TRANSPORT

- 6.1.1. To move the jack, set the handle to the second position. Push down on the handle to lift the front of the jack off the ground. This allows for easy transport without the jack contacting or grounding on the surface (see Fig. 8).

To transport, ensure the jack is fully retracted and secured in an upright, stable position on a pallet or within a transport crate. Use lifting equipment rated for its weight to load and unload safely. During transport, secure with straps to prevent movement, protect pneumatic connections, and avoid exposure to moisture or impact. Always follow the manufacturer's handling guidelines and local safety regulations.

6.2. OIL

- 6.2.1. Regularly check the oil level through the filler hole (see Fig. 9). With the piston fully retracted, remove the filler plug, oil should be level with the bottom of the filler hole. Top up if necessary using a good quality jack oil, such as Sealey Hydraulic Jack Oil. Do not use brake fluid.
- 6.2.2. Ensure no dirt enters hydraulic system when filling or removing/replacing components.
- 6.2.3. Always dispose of waste oil safely and legally. If in doubt consult your local authority.

6.3. BLEEDING

- 6.3.1. To bleed, ensure the jack is on level ground, fully retracted, and not under load. Begin by locating and carefully removing the filler plug on the oil reservoir to release any trapped air. With the plug open, cycle the jack up and down several times using the air control to purge air from the system. After cycling, top up the hydraulic oil through the filler hole until it reaches the correct level, flush with the bottom of the filler opening. Only use a high-quality jack oil as specified by the manufacturer. Avoid overfilling. Once the oil level is correct, securely replace the filler plug and test the jack by raising and lowering it again without a load. If the jack continues to operate poorly or feels spongy, repeat the process. Persistent issues may indicate internal seal damage or air entrapment and should be referred to an authorised service agent.

6.4. SERVICE

- 6.4.1. Due to their size and weight, hydraulic products should be serviced by local repair agents, or qualified persons. We have service and repair agents in most parts of the UK. Before returning your product, please contact our technical helpline on 01284 757505 for advice and troubleshooting guidance. If the jack is under guarantee please contact your stockist.

6.5. STORAGE

Store the jack in a clean, dry place, out of the reach of children.

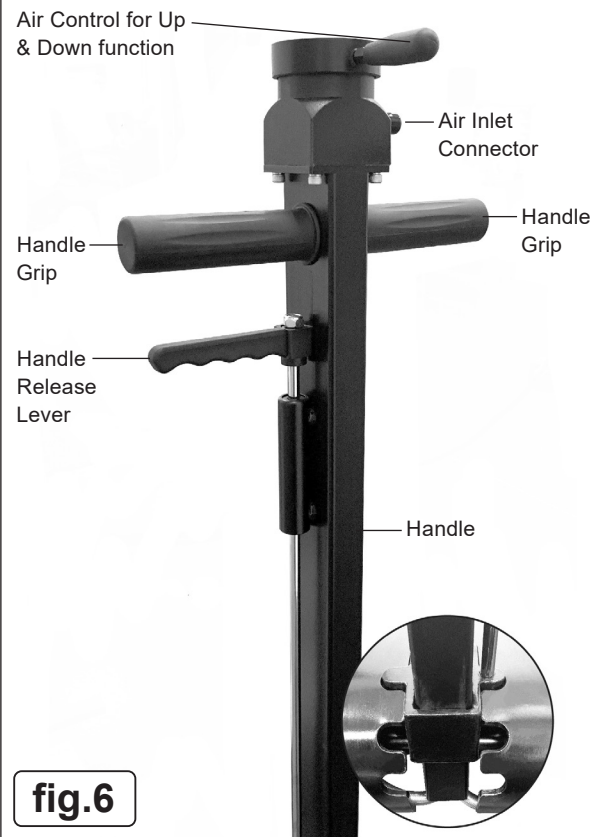


fig.6

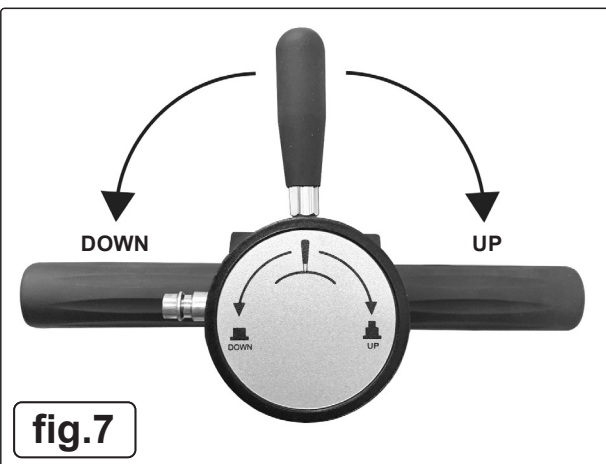


fig.7

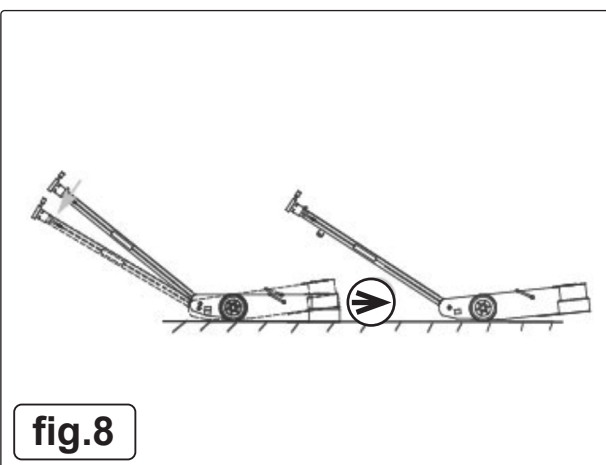


fig.8

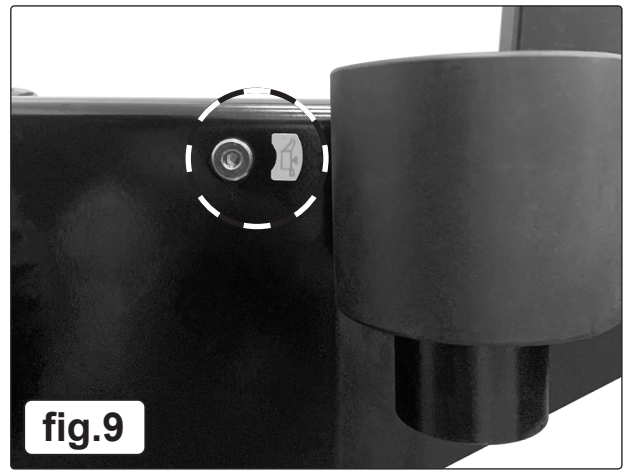
6.6. Ensure all waste generated during use, maintenance, or repair of the jack, including packaging, old parts, hydraulic fluids, and lubricants, is collected and disposed of according to local regulations. Use licensed waste carriers for hazardous materials, and recycle metal or non-hazardous components where possible. Never discharge oils or contaminants into drains or the environment.

6.7. OPERATION METHOD IN THE EVENT OF AN ACCIDENT OR BREAKDOWN

In the event of an accident or breakdown, immediately stop using the jack and secure the load safely with additional supports. Disconnect air or hydraulic supply, and evacuate personnel from the danger area. Report the incident to a supervisor, and have qualified personnel inspect and repair the equipment before resuming use. Follow all emergency and lockout procedures specified in the manufacturer's manual.

6.8. WHAT TO DO IN THE EVENT OF AN OIL SPILLAGE

In the event of an oil spillage, contain the spill immediately using absorbent materials or spill kits. Prevent the oil from entering drains or waterways. Clean the affected area thoroughly, dispose of contaminated materials in accordance with local hazardous waste regulations, and report the spill if required. Wear protective equipment and avoid direct contact with the oil.



7. TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Jack will not lift load	1. Low oil level. 2. Release valve open.	1. Check and top up hydraulic oil. 2. Close release valve.
Jack lifts but slowly or unevenly	Air trapped in system.	Bleed the jack (refer to bleeding procedure).
Jack does not hold pressure (lowers)	Faulty seals or internal leak.	Contact service agent for inspection/repair.
Handle feels spongy or lacks resistance	1. Air in system. 2. Low oil level.	1. Bleed the jack. 2. Check and top up oil.
Jack will not fully extend	Oil level too low.	Top up with correct hydraulic oil.
Jack will not retract fully	1. Debris in cylinder. 2. Overfilled oil.	1. Clean or service jack. 2. Drain excess oil.
Oil leaking from jack	Worn or damaged seals.	Contact service agent for repair.
Jack makes unusual noise	1. Air in system. 2. Low oil.	1. Bleed the jack. 2. Refill oil as needed.

7.1. END OF SERVICE

7.1.1. When the jack reaches the end of its service life, it should be disposed of responsibly and in accordance with local environmental regulations. Do not dispose of with household waste.
This product contains materials that can be recycled. Please take it to an appropriate recycling or waste disposal facility. For advice, contact your local authority or waste management service.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 36 months from purchase date, proof of which is required for any claim.



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