

Owners Manual

PRODUCT CODE: 2008

**MADE FOR THE
TRADE**

TQ TRADEQUIP
the trusted brand in equipment

ENGINE CRANE RAM



Specifications

- Power Safe Working Capacity: 8,000kg
- Minimum Length: 630mm
- Maximum Length: 1135mm
- Ram Pin Hole: 16mm dia. 35mm Outside Ram
- Ram Diameter: 80mm
- Clevis Base Pin Hole: 16mm dia
- Clevis Base: 25mm Inside - 45mm Outside
- Base Width: 129mm
- Nett Weight: 10.5kg
- Carton: 700 x 170 x 150mm

About the TradeQuip brand

The 'TradeQuip' brand of workshop equipment, is designed for use in a demanding workshop environment by professional users. With proven and trusted "**Made for the Trade**" reliability, 'TradeQuip' branded products offer the very best in performance for an affordable price. All backed by a 1 year trade guarantee across 1,000+ distributors Australia wide.

TQ TRADEQUIP
the trusted brand in equipment

TQPRO
Trusted by serious professionals

BORUM
INDUSTRIAL WORKSHOP EQUIPMENT

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 TQB Brands Pty Ltd policy of continuous improvement determines the right to make modifications without prior warning.

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STANDARD OPERATING PROCEDURE

DO NOT use this equipment unless you have been trained and assessed to a competent level in its safe use and operation, and have been given permission to use this

**OPERATING SAFETY INSTRUCTIONS**

- Before using this TradeQuip Engine Crane Ram ensure it is in sound condition, and good working order.
- Replace or repair damaged parts. *Use recommended parts only. Non-authorized parts may be dangerous and will invalidate the warranty.*
- Keep this TradeQuip Engine Crane Ram clean for best and safest performance.
- Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- Ensure all non-essential persons keep a safe distance whilst this TradeQuip Engine Crane Ram is in use.
- Always ensure this TradeQuip Engine Crane Ram and the load is stable.
- DO NOT operate unit if damaged.
- DO NOT allow untrained persons to operate this TradeQuip Engine Crane Ram.
- DO NOT exceed the rated capacity of 8,000kg.
- **DANGER:** DO NOT work under a loaded TradeQuip Engine Crane Ram.

This Product is designed specifically to be used with

Product Code: 1001T Engine Crane



ASSEMBLY, OPERATION, PREVENTITIVE MAINTENANCE

1. FEATURES

This twin piston TradeQuip "Made for the Trade" 8,000kg Long Hydraulic Ram is the ideal replacement jack for use on TradeQuip hydraulic engine cranes. Mounts directly onto the engine crane and features a slow release function while providing a long 630–1135mm lift range. High quality large diameter twin cylinder hydraulic pump unit results in Quick Lift action, lower oil pressure needed to raise the load, which reduces wear and extends service life. 100% factory vertical load tested for reliability and safety. For vertical use only.

Replacement long hydraulic ram. Suitable replacement for TradeQuip 1001 engine crane.

2. BEFORE USE

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

3. OPERATING INSTRUCTIONS

1. Attach the Hydraulic Ram to the crane you are using. Secure the Ram Base Clevis to the crane by inserting a pin (not included) through the holes in the Ram Base Clevis and properly securing it. Slide another pin (not included) through the product and Ram, securing it as well. Make sure the pins diameters are a push fit with just enough clearance so they move freely. The pins should be held in place with appropriate e-clips or hardened cotter pins (neither one included).
Note: Only use pins that are intended for supporting this type of Ram, which are capable of supporting 8,000kg, and ensure that the pins are properly secured before use. Note: This Ram is not intended for horizontal use.
2. Insert the Handle into the Handle Socket.

RAISING AND LOWERING

1. To raise the Hydraulic Ram turn the Release Valve clockwise until the valve is tightly closed. Pump the Handle to extend the Ram. Continue to pump the Handle until the Hydraulic Ram is at the desired length (height).
2. To lower the Ram, first verify that the area under the object is clear, then turn the Release Valve counterclockwise. This will release pressure in the Jack and cause the Ram to lower.

Adding Hydraulic Oil

1. Turn the Release Valve counterclockwise until Ram is completely lowered. Remove the Oil Plug from the Oil Chamber. Fill the Oil Chamber with oil. Use a high quality hydraulic jack oil. Note: The capacity of the oil chamber is 17.6 ounces.

Hydraulic System Bleeding Instructions

If the Hydraulic Ram begins to lose power and efficiency, it may be a result of air being trapped in the hydraulic system.

Follow the steps shown below to bleed the air from the hydraulic system.

Caution: Make certain that the Hydraulic Ram is not under load whilst bleeding the system.

1. Remove oil chamber's Oil Plug.
2. Pump the Handle to raise the Ram to its highest position. Open the Release Valve.
3. Release the Handle to lower the Ram. Repeat pumping the Handle a number of times to force the hydraulic oil through the system.
4. Top off the oil chamber with hydraulic oil. Tighten the Oil Plug. The bleeding process is now complete.
5. Test the Hydraulic Ram to be certain it is working properly. Only proceed after you ensure that it is working properly

4. STORAGE

This TradeQuip Engine Crane Ram should always be stored in a dry location on a level surface. Clean with a clean cloth with a detergent or mild solvent. Ensure the ram cylinder is in the fully retracted position to minimise dust and corrosion.

5. MAINTENANCE

Clean using a clean cloth with a detergent or mild solvent, then inspect the general condition of the Ram.

Check for:

- loose hardware,
- misalignment or binding of moving parts,
- cracked, bent, or broken parts, and
- any other condition that may affect its safe operation.

Replace or repair damaged parts using recommended TradeQuip parts only. Non-authorised parts may be dangerous and will invalidate the warranty.

Thoroughly test the Ram for proper operation. If the Ram appears not to be working properly, follow Bleeding instructions on page 4.

Change the hydraulic oil at least once every three years:

- a. With the Ram fully retracted, remove the Oil Fill Plug on the side.
- b. Tip the Ram to allow the old hydraulic oil to drain out completely, and dispose of the old hydraulic oil in accordance with local regulations.
- c. With the Ram upright, completely fill the reservoir with a high quality hydraulic oil (not included) until the oil just begins to run out of the Oil Fill Hole.
- d. Then, reinstall the Oil Fill Plug.

Repeat testing the Ram for proper operation. If the Ram appears not to be working properly, repeat Bleeding instructions on page 4.

Finally, clean thoroughly using a clean cloth with a detergent or mild solvent. Then, store the Ram in a safe, dry location.

Always keep this TradeQuip Engine Crane Ram retracted and clean for best and safest performance.

6. SERVICE & REPAIR

Any TradeQuip Engine Crane Ram found damaged in any way, or found to be worn or operates abnormally should be removed from service until repaired by an authorised service agent. Owners and / or operators should be aware that repair of this product may require specialised equipment and knowledge. Only authorised parts, labels and decals shall be used on this equipment. Annual inspection of the engine stand is recommended and can be made by an authorised 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.

POSSIBLE SYMPTOMS						PROBABLE SOLUTION (Make certain that the Jack is not supporting a load while attempting a solution.)
Jack will not lift at its weight capacity	Saddle lowers under load	Pump stroke feels spongy	Saddle will not lift all the way	Handle moves up when Jack is under load	Oil leaking from filler plug	
X	X					Check that Release Valve is closed fully.
X	X			X		Valves may be blocked and may not close fully. To flush the valves: 1. Lower the Saddle and securely close the Release Valve. 2. Manually lift the saddle several inches. 3. Open the release valve and force the saddle down as quickly as possible.
X		X	X			Jack may be low on oil. Check the oil level and refill if needed.
						Jack may require bleeding - see instructions on page 5.
					X	Unit may have too much hydraulic oil inside, check fluid level and adjust if needed.

WARRANTY

TradeQuip products have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 12 months from the date of purchase except where tools are hired out when the guarantee period is ninety days from the date of purchase.

Should the machine develop any fault, please return the complete tool to your nearest authorised warranty repair agent or contact TQB Brands Pty Ltd Warranty team – warranty@tqbbrands.com.au.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, or repairs attempted or made by any personnel other than the authorised TQB Brands Pty Ltd repair agent.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your TQB Brands Pty Ltd guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the 12month period.

Consumer Guarantee

Our goods come with a guarantee that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

