



Forward this manual to all operators.
Failure to operate this equipment as
directed may cause injury and/or
property damage.

INSTALLATION AND OPERATION MANUAL

AIR / HYDRAULIC
TRANSMISSION
JACK

MODEL
RTJ-1A



SHIPPING DAMAGE CLAIMS

When this equipment is shipped, title passes to the purchaser upon receipt from the carrier. Consequently, claims for the material damaged in shipment must be made by the purchaser against the transportation company at the time the shipment is received.

BE SAFE

Your new ranger transmission jack is designed and built with safety in mind. However, your overall safety can be increased by proper training and thoughtful operation on the part of the operator. DO NOT operate or repair this equipment without reading this manual and the important safety instructions shown inside.

Bend - Pak Inc.
1645 Lemonwood Drive
Santa Paula, CA 93060, U.S.A
Tel: 805 933 9970 - Fax: 805 933 9160

"The Benchmark Of Quality"

UPON DELIVERY

1. Carefully remove all packaging material.
2. Inspect the equipment and all parts for any signs of concealed shipment or storage damages.
3. Remember to report any shipping damage to the carrier and make a notation on the delivery receipt.

IMPORTANT SAFETY TIPS

Be sure to read all warning labels and the instruction manual prior to operations of this equipment.

Transmission Jacks are for removing, transporting and installing transmissions or specified components only. DO NOT lift or support a vehicle with a transmission jack.

Keep hands and body clear of all pinch points.

Use the Jack for loading under-rated capacity only. DO NOT over load.

Ensure the Jack is set on a solid and level surface that could sustain the the load. Use on other than hard surfaces can result in instability and loss of load.

Be sure that the Jack is well supported before operation.

Keep transmission low when rolling jack across floor. Keep chains secured until ready to remove transmission from jack. DO NOT tow loaded jack by hydraulic pump handle.

Always maintain a clean work area. Keep visitors and especially children away from work area.

This Transmission Jack is to be operated by professional personnel only. Operations by none professional personnel may result in injury and/or property damage.

SPECIFICATIONS / FEATURES

Lifting Capacity :	1,100Lbs / 499 Kg
Lowered Height :	36" / 914mm
Raised Height :	76" / 1930mm
Base Dimension:	40" x 40" / 1,000mm x 1,000mm
Shipping Weight:	145Lbs. / 66 Kg

WARNING: If a load is transferred to the lift platform when the air cylinder is only partially raised, the lift platform will drop suddenly due to the compressibility of air. This can cause personal injury to the operator. Before placing any weight on the lift platform always be sure that the air cylinder is fully raised and pressurized to full line pressure. This will eliminate sponginess and make it possible for the operator to control the position of the air column.

CAUTION: Keep transmission low when rolling the jack across floor. Keep chains secured until ready to remove transmission from jack. DO NOT tow loaded transmission jack by hydraulic pump handle.

MAINTENANCE INSTRUCTIONS

INSPECTION:

1. Visual inspection should be made before each use of the jack and should include checking for leaks and damaged, loose or missing parts.
2. Each jack shall be inspected immediately if the jack is believed to have been subjected to an abnormal load or shock. It is recommended that this inspection be made by authorized repair personnel / facility.
3. Owner and operators should be aware that repair may require specialized knowledge and facilities. It is recommended that an annual inspection be done at an authorized repair facility and any defective parts, decals or warning labels be replaced.

Damaged Jacks:

Any Jack that appears to be damaged in any way is found to be badly worn or operated abnormally SHALL BE REMOVED FROM SERVICE.

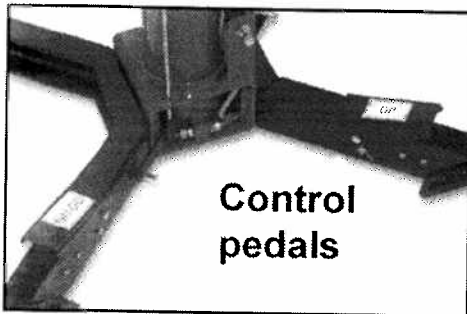
OPERATION INSTRUCTIONS

1. With vehicle elevated on lift, position jack beneath transmission, as nearly as possible to transmission's center of weight or balance point. The power output transmission should be located over adjustable bracket between the chains. Bottom of transmission must be no more than 74" off the floor.

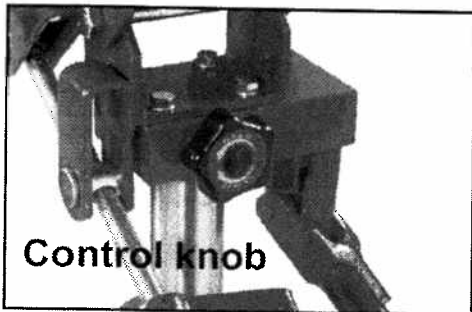
Do not exceed the maximum capacity of the jack which is 1,000 Lbs. (Approx. 90 p.s.i. air pressure required to elevate a 1,000 lbs load).

2. Attach air hose and press foot pedal marked "UP" and the air stage (saddle) will rise to 20- 3/16" then lock automatically. Air hose may be removed after cylinder reaches full line pressure.

Be sure the locking pawl is engaged before working on transmission.



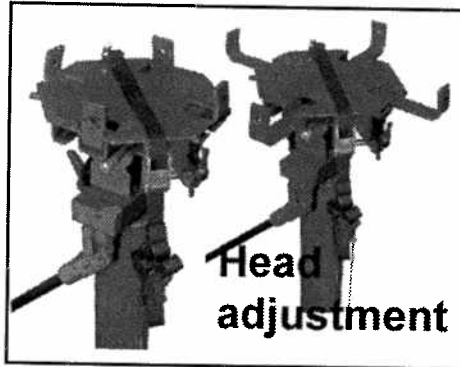
3. Close the hydraulic release valve by turning CLOCKWISE. Pump the handle to raise the position head close to transmission.



4. Roll head side-to-side and tilt forward or back as needed to firmly contact transmis-

sion.

5. With short strokes of pump handle,



head may be raised slowly to contact transmission.

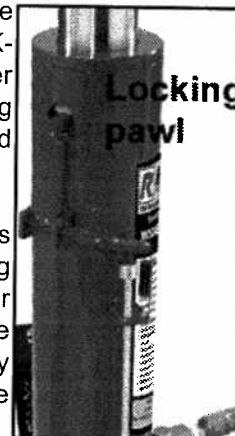
6. Push in 4 ratchet brackets on head firmly to contact side of transmission. Un-lock pawl to push out brackets.

7. Secure the transmission to jack by placing the strap over the transmission, hook it to the ring, and pull the strap tight.

8. Before unbolting transmission of the engine, support engine with stand or other appropriate device.

9. When all connections to the vehicle have been uncoupled and the transmission is free, lower the jack by turning the release valve COUNTER CLOCKWISE. Then lower the jack by pressing foot paddle marked "DOWN".

Note: If the load is resting on the locking pawl, attach the air hose and press the "UP" pedal briefly thereby releasing the locking pawl.



ASSEMBLY INSTRUCTION

