

# TECH TIPS

Service Call:

**Manually releasing the parking brake  
(external parking brake cylinder)**

Tools Needed:

13 mm wrench  
24 mm wrench  
Marker

Model:

**6/8k w/ external cyl.**



## Tech Tips Safety Rules



### **Danger**

Failure to obey the instructions and safety rules in the appropriate Operator's Manual and Service Manual for your machine will result in death or serious injury. Many of the hazards identified in the operator's manual are also safety hazards when maintenance and repair procedures are performed.

### **Do Not Perform Maintenance Unless:**

- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
  - manufacturer's instructions and safety rules
  - employer's safety rules and worksite regulations
  - applicable governmental regulations
- You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this tech tip is a supplement to the service manual. Consult the appropriate service manual of your machine for safety rules and hazards.

## Step 1

In this tech tip you will be instructed in how to manually disengage the parking brake. Typically this is only necessary if the engine is not working properly and the machine needs to be moved. After moving the machine, immediately readjust the parking brake so that it engages properly.

\*\*\*Danger Crush Hazard\*\*\*

Death or serious injury can result from this machine moving or rolling while servicing.

Only perform this procedure with the machine in the following configuration:

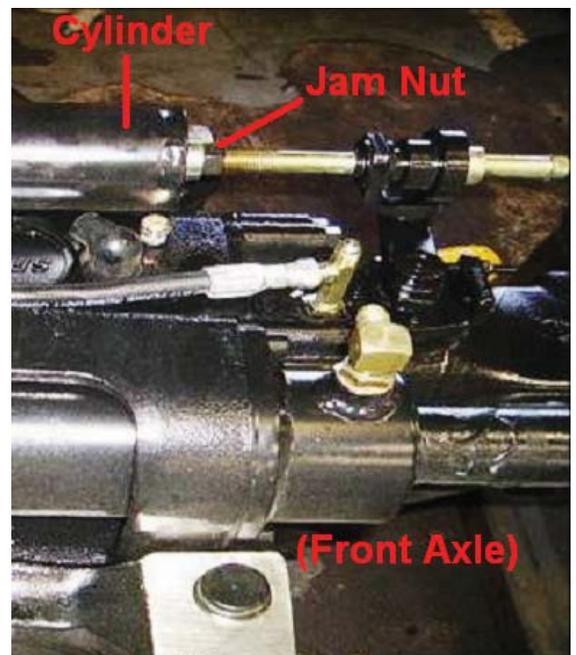
Machine parked on a firm, level surface  
Boom in the stowed position  
Key switch in the off position with the key removed  
Wheels chocked

## Step 2

With the machine off and parked on level ground, chock the wheels.

Locate the parking brake cylinder on top of the front axle.

Loosen up the jam nut on the rod next to the parking brake cylinder (24mm wrench).

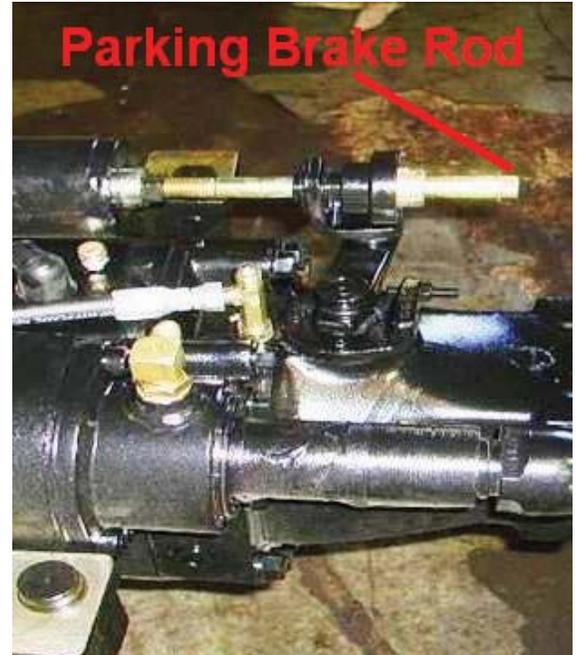


## Step 3

### Note:

Mark the rod and count the number of turns out so you can properly re-adjust the parking brake.

Turn the rod counter clockwise until the parking brake is released (13mm wrench). Approximately 4-5 mm.



## Step 4

Re-adjust the parking brake.

The machine should be parked on level ground with the wheels chocked. Review the safety warning in step 1.

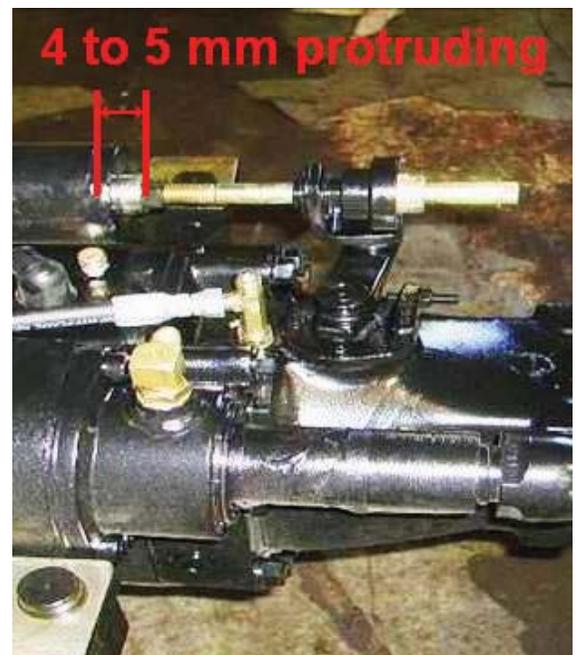
Start the machine and turn the parking brake off.

Turn the parking brake rod clockwise (13mm wrench) to move the rod back to the position it was in at the start of step 3.

Take a measurement of the cylinder rod projecting out of the cylinder. The measurement should be 4-5 mm.

Turn the parking brake "on" and check to make sure the piston returns into the cylinder, then turn the parking brake back "off" to make sure the piston projects out of the cylinder head 4-5 mm.

Note: Repeat this step until you can obtain 4-5 mm of the projecting cylinder rod. Once you obtain 4-5 mm your parking brake is adjusted.



## Step 5

For further assistance contact the technical service department at 1-866-684-1457.