

# TECH TIPS

Service Call:

**Manually releasing the parking brake**

Tools Needed:

19 mm wrenches (2)  
Metric tape measure

Model:

**10K Rev 3 & 4**



## 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

A Rev3 10K is pictured on the right. The Rev3 10K has two frame leveling cylinders on the front of the machine.

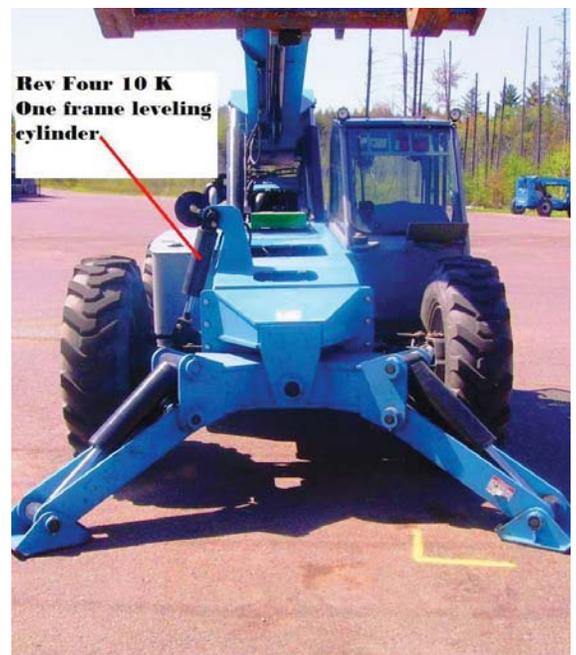


## Step 2

The Rev4 10K has one frame leveling cylinder on the front.

Note:

Both the Rev3 and Rev4 10k machines are covered in this tech tip and the steps for releasing and re-activating the parking brake are the same for both.



## Step 3

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 4

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

On the front axle, locate the 4 parking brake release bolts with the jam nuts at the locations shown in the illustration on the right. A close-up of a parking brake release bolt can be seen on the next page.

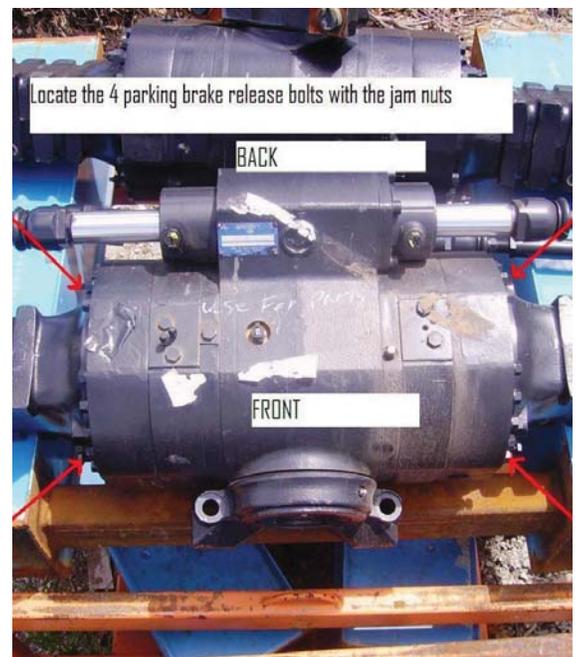
Loosen the jam nuts back about 6mm on the bolt.

Using a 19mm wrench, alternate tightening the 4 parking brake release bolts 1/4 turn at a time. Do this four times. This will slowly and evenly compress the Belleville washers and release the brake discs.

**DO NOT EXCEED 1 FULL TURN** when tightening the parking brake release bolts. The stroke required for brake release corresponds to 1 turn.

Note:

There is no parking brake on the rear axle.



## Step 5

### RE-ACTIVATING THE PARKING BRAKE

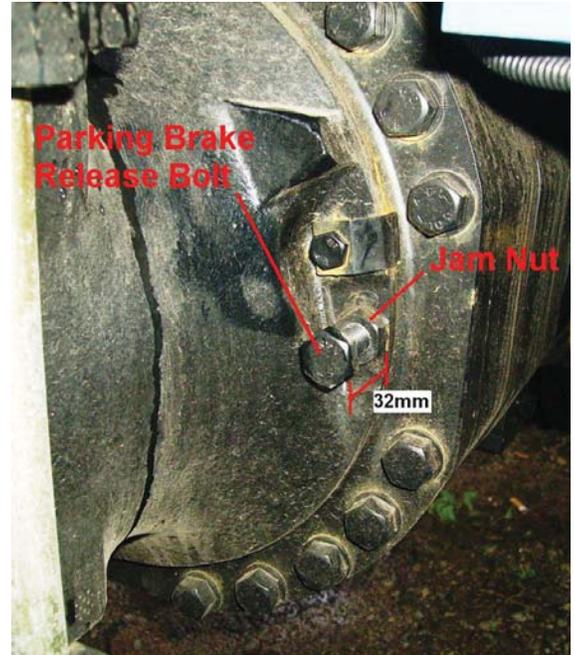
Review the safety warning in step one.

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

Completely remove the the parking brake release bolts along with the jam nuts and Teflon coated washer.

Replace the Teflon coated washer with part number 7-229-855, lubricate the bolts with silicon-based grease, and reinstall the bolts and jam nuts. Screw in the bolts until light resistance is felt.

Turn all 4 parking brake release bolts out evenly "counter clockwise" until 32mm of the bolt is exposed outside the axle. Tighten down the jam nut.



## Step 6

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