

TECH TIPS

Service Call:

Unit will not drive

Tools Needed:

Multi-meter

Model:

All 6K - REV3 10K



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

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



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

The Rev4 10k is not covered in this Tech Tip.



Step 2

(636 & REV3 10K)

1. Chock the wheels
2. Start the engine
3. Check the power on the parking brake pressure switch

Note: On 636 and REV3 10K models, the parking brake pressure switch is located under the seat coming off the bottom of the parking brake valve. Leave the wires connected to the switch when testing.

Result:

Parking brake on:	Parking brake off:
Red wire: 12 volts	Red wire: 12 volts
Orange wire: 12 volts	Orange wire: no power

If you do not lose power on the orange wire when the parking brake is off, the parking brake pressure switch has to be replaced. Part # 7-359-16

If the pressure switch is working correctly proceed to step 4.



Step 3

(644 - 844)

1. Chock the wheels
2. Start the engine
3. Check the power on the parking brake pressure switch

Note: On 644, 842, & 844 models, the parking brake pressure switch is located on the inside frame rail where the hoses go into the front of the cab. Leave the wires connected to the switch when testing.

Result:

Parking brake on:	Parking brake off:
Red wire: 12 volts	Red wire: 12 volts
Orange wire: 12 volts	Orange wire: no power

If you do not lose power on the orange wire when the parking brake is off, the parking brake pressure switch has to be replaced. Part # 7-359-16

If the pressure switch is working correctly proceed to step 4.



Step 4

1. Chock the wheels
2. Remove the dash panel to find the drive relay
3. Start the engine (leave the parking brake OFF)
4. Test the drive relay wires for power

Note:

The drive relay has 1 orange, 1 black, and 2 white wires.

Orange 16 gauge: power from parking brake switch (term. 86)

Black 16 gauge wire: ground wire (terminal 85)

White 12 gauge wire: power from limit switch (terminal 30)

White 16 gauge: power to transmission controller (term. 87A)

Results:

Orange wire: no power (parking brake must be off)

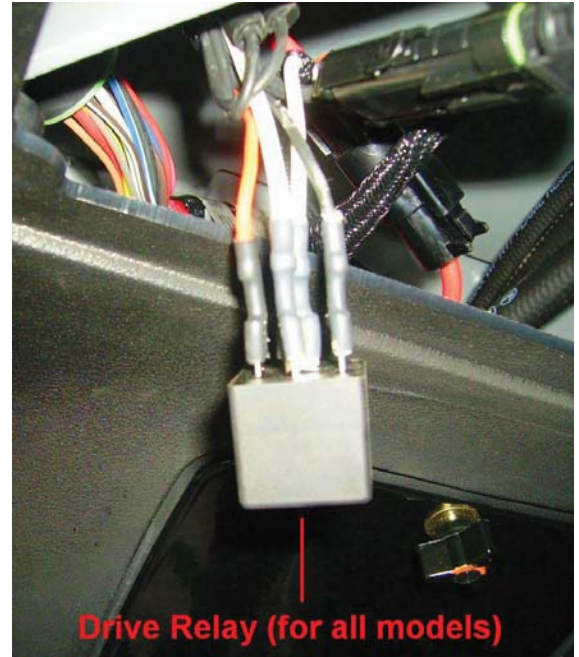
Black wire: no power

White 12 gauge wire: power on terminal 30

White 16 gauge wire: power on terminal 87A

If there is no power on terminals 30 and 87A, replace the relay.

Use part # 34052.



If the machine still will not drive, or for further assistance, contact the technical service department at 1-866-684-1457.