

Chuck Wagon Brake Light Kit Installation

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| Tail light | 1 | Screws #10 x 3/4" | 4 |
| Brake light switch | 1 | Nuts #10 | 4 |
| Wire harness | 1 | Bolt, 3/8 x 2 1/2" | 1 |
| Tail light bracket | 1 | Nut, 3/8 nylon lock | 1 |
| Brake light switch bracket | 1 | Spring | 1 |
| Spacer sleeve | 1 | Eye bolt | 1 |
| Screws, #8 x 2 1/2" | 2 | Nuts, 5/16" | 2 |
| Nuts #8 | 2 | Cotter pin, 1/8 x 1 | 1 |
| Flat washer, #10 | 4 | Cable ties | 8 |

1. Disconnect the battery.
2. Unscrew the nut on the back side of the choke cable knob and pull choke cable out about 6 inches as shown below.



3. Remove the access panel under the parking brake handle then remove the console (cup holders).

If you are installing this kit on a 4x4 model, skip to step 7

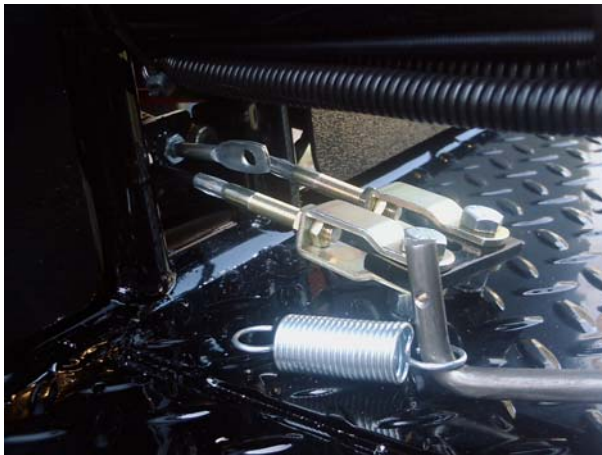
4. (2wd only) Remove the cotter pin from the brake rod and remove the rod from the brake cable equalizer bar (see photo below)



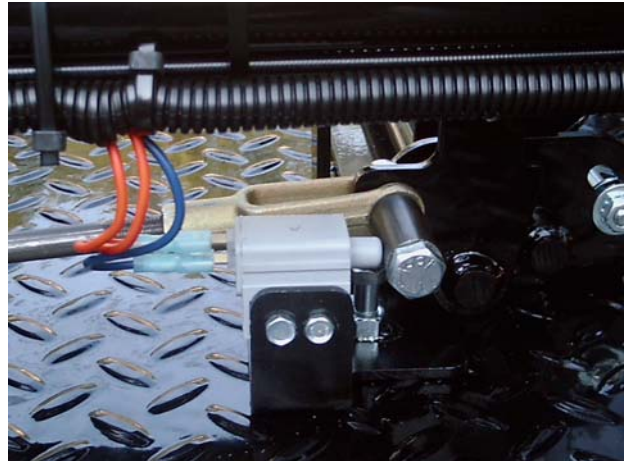
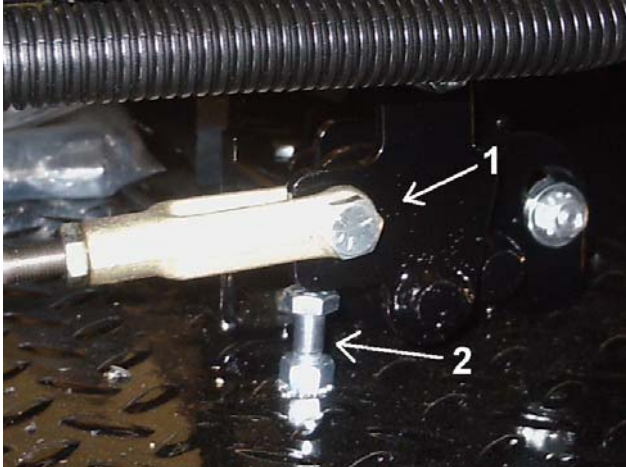
5. Drill a 5/16" hole in the cable bracket on the frame directly between the two brake cables. (Some vehicles may already have this hole.)



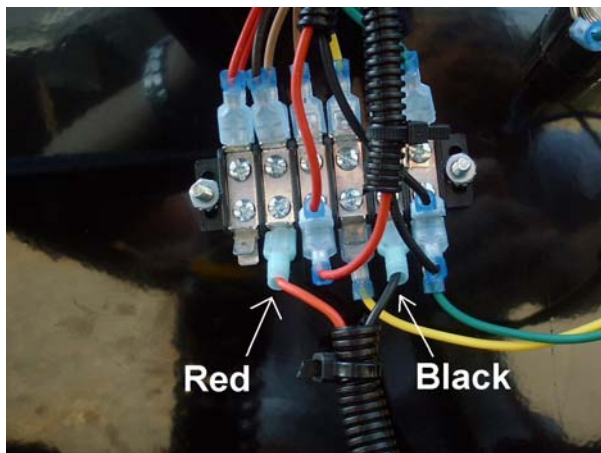
6. Install the eye bolt in the hole with a nut on both sides of the bracket and tighten as shown in the photo below left. Place the loop end of the spring on the brake rod. Reinstall the brake rod with cotter pin. Hook spring through eye bolt.



7. At the pedal assembly remove the brake rod clevis bolt (1) **(there is no clevis bolt on 4x4 models)** and remove the pedal return stop bolt (2). Screw the nut shown below on #2 all the way up to the unthreaded portion of the bolt (2). Using the pedal return stop bolt (2), fasten the brake switch bracket to the floor.



8. Place the spacer sleeve provided in the kit on the 3/8 x 2 1/2" bolt provided.
2wd models: Reconnect the brake rod using the new bolt with spacer sleeve so that the spacer is on the right side. Tighten the 3/8 nylon lock nut until the end of the bolt is even with the top of the nut. (The clevis should be free to rotate.)
4wd models: Install the bolt with the spacer in the lower hole on the brake pedal lever (position 1). The spacer should be on the right side. Fasten tightly with the provided 3/8 nylon lock nut.
9. Using two #10 x 3/4" screws and nuts, install the switch on the bracket and adjust so that the spacer sleeve pushes the switch button in when the pedal is released.
10. Remove the wire box cover under the hood of the vehicle. If you have an earlier model without the wire box see step 10a. Run the provided tail light wire harness from the switch to the wire box. Plug the red wire onto the terminal second from the left (same as brown wires). Then, plug the black wire onto the terminal second from the right (next to the green wires). Re install the box cover. Attach the red and blue wires to the switch as shown above.



10a. If you have an earlier model without the wire box, find the red and black wires that connect the headlight switch to the key switch. Splice the tail light wires into these wires (red to red, black to black).

11. Use cable ties to fasten the wire harness to the frame tube above the switch. Make sure the wires do not interfere with any moving parts in the brake system. Run the harness to the back along the diagonal frame tube. Fasten with cable ties
12. Mounting holes should be provided on the rear bottom lip of the cargo bed. If not, center the tail light bracket and clamp it in place. Drill through the holes in the bracket with a ¼" drill bit.
13. Fasten the bracket with two #10 x ¾ screws, nuts and washers. Connect the wires to the tail light and install it on the bracket using the #8 x 2 ½" screws, nuts and #10 washers.



14. Release the parking brake and chock the wheels. Reconnect battery. Turn key switch to on position but do not start the engine. The tail light should light up. For safety we have designed the tail light to be on any time the key switch is on. Press the brake pedal; the light should be brighter. If it does not get brighter, adjust the switch position until it operates correctly.
15. Reinstall the console with access panel and secure the choke cable.

