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www.roadmasterinc.com

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# ROADMASTER TOW DOLLY ELECTRIC BRAKES INSTALLATION INSTRUCTIONS

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ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ROADMASTER, INC. 5602 N.E. SKYPORT WAY PORTLAND, OR 97218 800-669-9690 (503) 288-9898 www.roadmasterinc.com

**STEP 1:** Remove dust cap from existing hub. Remove cotter pins or bend tabs on tang washer (whichever applies), and remove castle nut. Remove front bearing and washer. Gently slide hub off the spindle.

**STEP 2:** Remove the four bolts attaching the spindle to the king pin assembly. **DO NOT REMOVE SPINDLE.**

**STEP 3:** Slide appropriate brake assembly over the spindle and install the four bolts removed in STEP 2. (\* See note at bottom of this step). Install assembly with the adjuster on the bottom. Turn the brake adjuster so that 2 to 3 threads are showing.

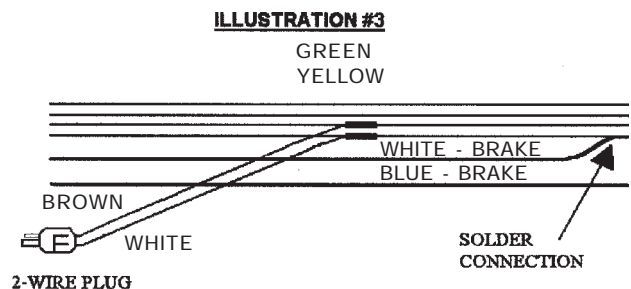
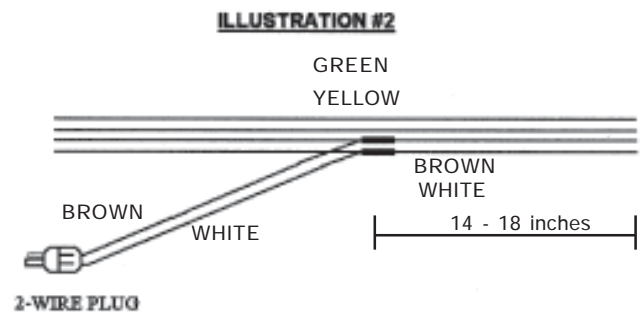
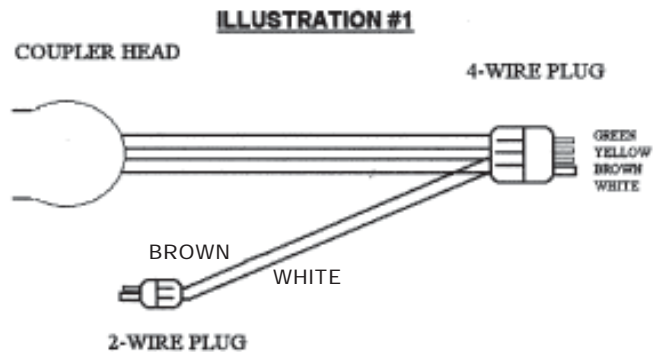
\* Note: *The Brake Assembly is marked left or right on the back side. The Driver's side of the tow dolly is the left side; the Passenger's side is the right side.*

**STEP 4:** After verifying that the inner bearing and seal are in place, slide the brake drum onto the spindle covering the brake assembly. Insert outer bearing, flat washer, tang washer (if it applies) and castle nut. Torque to 50ft. lbs., and then loosen the castle nut until drum moves freely. Insert cotter pin or bend tabs on tang washer to lock nut into place. **WARNING: Failure to insert cotter pin or bend tab on tang washer will cause you to loose the tire/wheel assembly when towing.** Grease Zerk fitting (on end of spindle) with 5 to 10 pumps of grease and then install the dust cap.

**STEP 5:** Unroll blue and white brake wiring included with this kit. (NOTE: The long wires extend through the tongue and the short wires through the body.) FOLLOW THE SAME ROUTE AS THE EXISTING WIRE HARNESS. Once routed through the bed of the dolly, connect the blue wire to a green wire on the brake assembly. Connect the white wire to the other green wire. Follow these steps for the brake on the other side.

**STEP 6:** Run blue and white wires through the tongue. Find the four-wire plug coming out of the tongue and cut all six wires off the plug. Separate the two-wire plug for the tongue lights from the rest of the wiring (See #1). Cut the remaining brown and white wires back 14 inches to 18 inches. Connect the two-wire plug to the corresponding wires on the harness with two butt connectors as shown in Illustration #2. Solder the white brake wire and the white harness wire together (See #3). Connect the harness wires to the six-point plug (included with kit) according to the plug schematic.

**STEP 7:** Test the brake and lighting systems to ensure proper operation.



**Failure to follow instructions may result in property damage, personal injury or death.**