

**Controller Electrical Connections**

- LED indicator lamp (Hidden)
- ABS Junction Wire Harness
- Standard harness
- Minimum 1 inch radius bend
- Cable over strain relief (each end)
- To ABS

**Controller Electrical Connections**

1. Mount Controller

   A. Slider mount

   **NOTICE:** If mounted too high, controller will hit stop bar.

   Three mounting holes (top, middle and bottom) on each flange of this controller are available for mounting on slider based cross member, only use the top and middle holes, as shown.

   Four holes (two per) are pre-drilled in the cross member for this purpose.

   B. Non-slider mount

   Select a location that is accessible and protected from environmental hazards. Mount directly to trailer frame, as shown, or use optional bracket. ("C").

   C. Optional bracket

   - All cables and wires must be properly secured to prevent snagging and unnecessary motion.
   - Route cables and wires to avoid sharp edges or pinch prevent protective measures (grommets or rubber) to prevent damage.
   - Install wire or coax connector locking tabs (each end)

2. Pneumatic Plumbing Connections

   **IMPORTANT:** Use plastic ties to secure air lines to suspension and trailer frame as needed.

   **NOTE:** To maintain adequate airflow, all air lines coming into and going out of the controller assembly must be 3/8 inch. All connections of two or more 1/4 inch lines must be supplied by 3/8 inch lines.

3. Install Hubcap

   1. Drive just enough axle hose out from center of spindle to attach axle hose fitting to rotary union inside hubcap.
   2. Place hubcap gasket over axle hose for later positioning.
   3. Hand thread rotary union onto axle hose fitting.
   4. Install wire from controller to ABS. (Power and ground)
   5. Install wire from ABS Junction Wire Harness to controller.
   6. Install Hubcap locking tabs (each end)

4. Tire Hose Connections

   **SUPER SINGLE**

   - Hold tire hose with free hand to prevent side loading and avoid cross threading. The bent out of flat hose, should easily turn 3 to 4 rotations by hand. Any drag before 3 turns indicates cross threading.
   - Make sure the hose is not stretched so lightly a chain is introduced of the valve stem or hubcap.
   - Make sure the tire hose is not so loose it contacts the wheel.
   - Check to ensure no portion of the tire hose extends out past the wheel.
   - Hubcap to tire hose, strain relief to ABS, then use wrench to tighten additional one half turn.

5. Test for Leaks

   After completing Installation Steps 1-5 perform leak checks with soap and hot water. If temperature change is not noticeable, the gaskets are seated tightly and all supply is shut off. If leaks appear, write solution to leak stops. For complete SYSTEM INTENSTY CHECK procedures, refer to T51002.