F. Actuator Wiring:
Connect the six wires from the trailer-mounted actuator to the trailer wiring system as follows – See Diagram
NOTE: Trailer wiring to the actuator must be 14 gauge or larger wires.

WARNING! Failure to wire the unit properly can result in damage to the trailer brake actuator.

**Trailer Actuator Wires**

**BROWN WIRE** - Connect the brown wire from the actuator to the tail light / running light circuit on the trailer.

**YELLOW WIRE** - Connect the yellow wire from the actuator to the brake light circuit on the trailer.

**GREEN WIRE** - Connect the green wire from the actuator to the brake light circuit on the trailer.

**WHITE WIRE** - Connect the white wire from the actuator to the negative terminal ( - ) on the trailer battery and to both a ground connection on the trailer and to the ground wire in the wiring harness from the tow vehicle. The unit will not operate properly without a direct connection to the ground circuit on the towing vehicle. Grounding between the trailer ball and coupler without a direct connection to the towing vehicle ground circuit will result in system errors.

**BLACK WIRE** - Connect the black wire from the actuator to the positive terminal ( + ) on the trailer battery and to one side of the emergency breakaway switch.

**BLUE WIRE** - Connect the blue wire from the actuator only to the remaining unused emergency break away switch terminal. IT MUST NOT BE CONNECTED TO ANY OTHER CIRCUIT.

**12 Volt Electrical Wiring Diagram:**

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NOTE: DISCONNECT ANY BRAKE CONTROLLER INSTALLED IN THE TOW VEHICLE.