



SERVICE BULLETIN

12V Truck Control Pack Wire Harness Color Change (5 and 6 wire diagrams with RED Motor Ground Wire)

Note: In an effort to improve the customer experience during installation WARN's control pack wire harness colors have changed. This color change aligns with auto industry standard colors. This document shows the schematics and wiring layouts before the color change. See *Service Bulletin 987057 for BLACK motor ground schematics and wiring layouts.*

Your safety, and the safety of others, is very important. To help you make informed decisions about safety, we have provided installation and operating instructions and other information on labels and in this guide. This information alerts you to potential hazards that could hurt you or others. It is not possible to warn you about all potential hazards associated with this product; you must use your own good judgment.

CARELESS INSTALLATION AND OPERATION CAN RESULT IN SERIOUS INJURY OR EQUIPMENT DAMAGE. READ AND UNDERSTAND ALL SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS BEFORE INSTALLING AND OPERATING THIS PRODUCT.

This guide identifies potential hazards and has important safety messages that help you and others avoid personal injury or death. **WARNING** and **CAUTION** are signal words that identify the level of hazard. These signal words mean:

WARNING signals a hazard that could cause serious injury or death, if you do not follow recommendations.

CAUTION signals a hazard that may cause minor to moderate injury, if you do not follow recommendations.

This guide uses **NOTICE** to call attention to important mechanical information, and **Note**: to emphasize general information worthy of special attention.



WARNING

Failure to observe these instructions could lead to severe injury or death.

- ☐ **Always** wear safety glasses when installing this kit.
- ☐ **Always** remove jewelry and wear eye protection.
- ☐ **Always** disconnect winch +12V power cable from battery before any wire harness replacement is performed. Also identify the location of wires prior to removal for correct reinstallation
- ☐ **Always** insure components will remain secure during installation and operation.
- ☐ **Always** tighten all nuts and bolts securely

The color changes are as follows:

Motor ground wire from red to black

12Vdc wire from white to red

Power-out from black to white

Power-in wire will remain green

Switched ground will remain brown

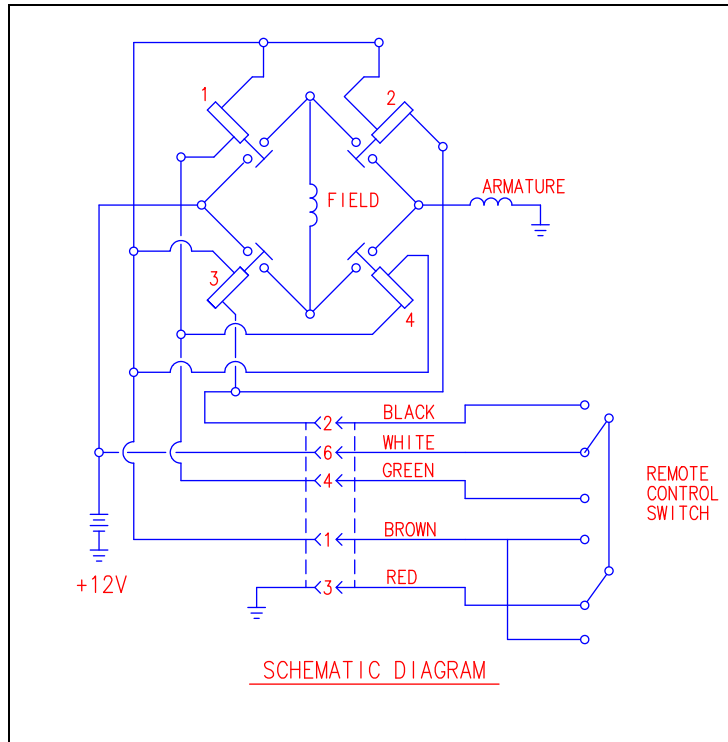
TPD wire will remain blue (for 6-wire control packs)

There are two common circuits and two common configurations. The two common circuits are: 5-wire and 6-wire circuits. For example an M8 winch uses a 5-wire circuit and a 9.5Ti uses a 6-wire circuit. The two common control pack configurations are the standard and in-line. For example an M8 is a standard configuration and an XD9i is an in-line configuration. The color changes can be seen in the schematic diagrams and wire layout drawings below.

Always disconnect winch +12V power cable from battery before any wire harness replacement is performed. Also identify the location of wires prior to removal for correct reinstallation.

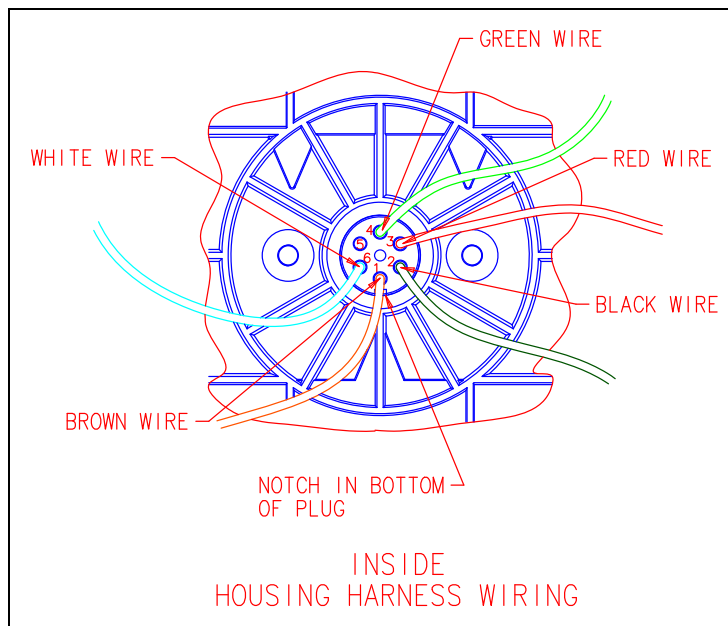
If you have any questions on wiring these control packs, please contact WARN Customer Service Department 1-800-543-9276

The new 5-wire circuit diagrams are shown here:



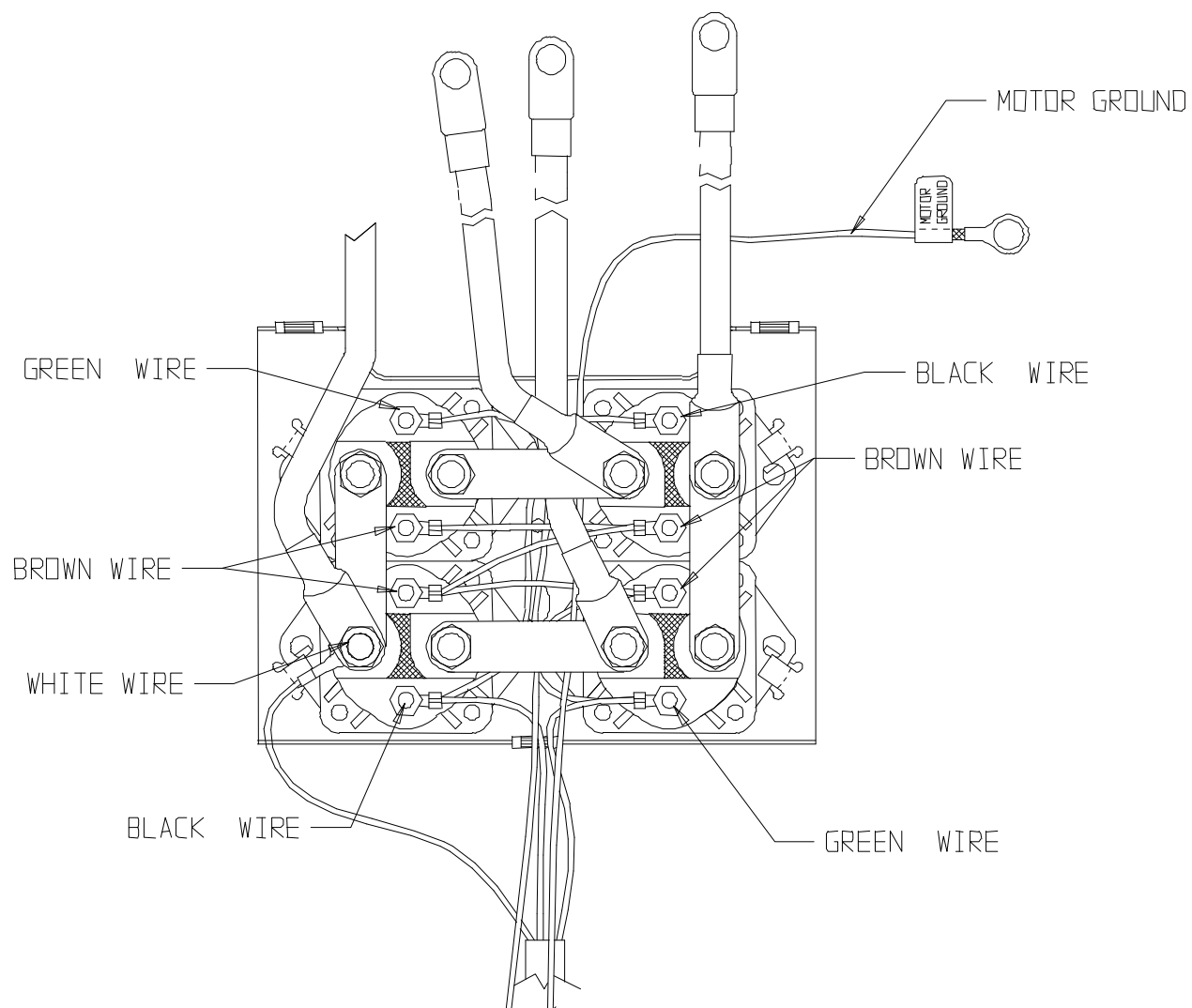
OLD 5-WIRE SCHEMATIC 12VDC

The following diagram is for routing the wires to the remote receptacle.



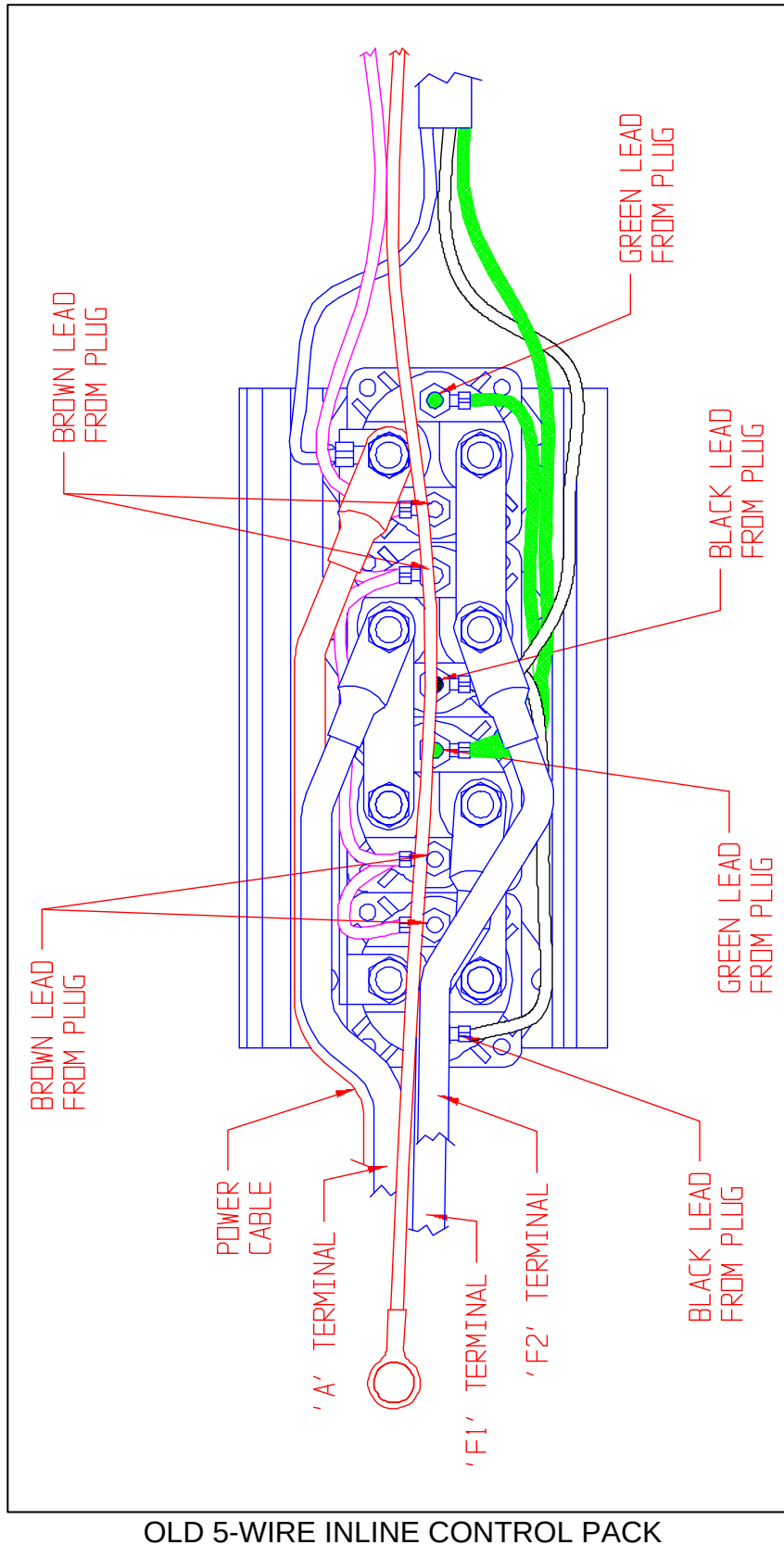
OLD 5-WIRE REMOTE WIRING

The following drawing is for routing the wires in the control pack to prevent heat damage from the bus bars in a 5-wire standard control pack configuration.

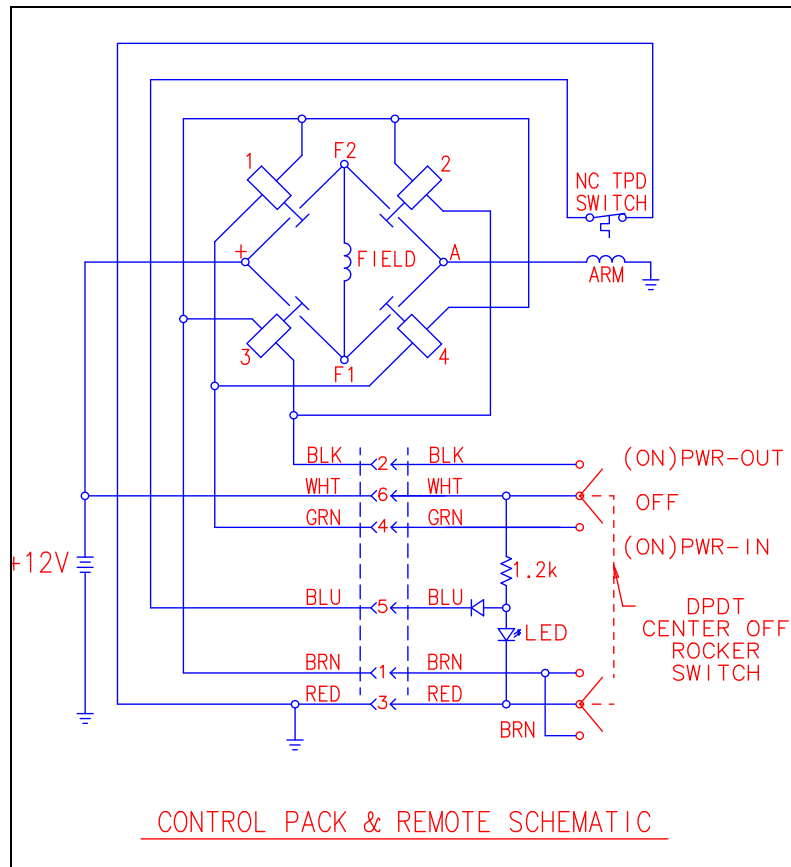


OLD 5-WIRE STANDARD CONTROL PACK WIRING

The following drawing is for routing the wires in the control pack to prevent heat damage from the bus bars in a 5-wire inline control pack configuration.

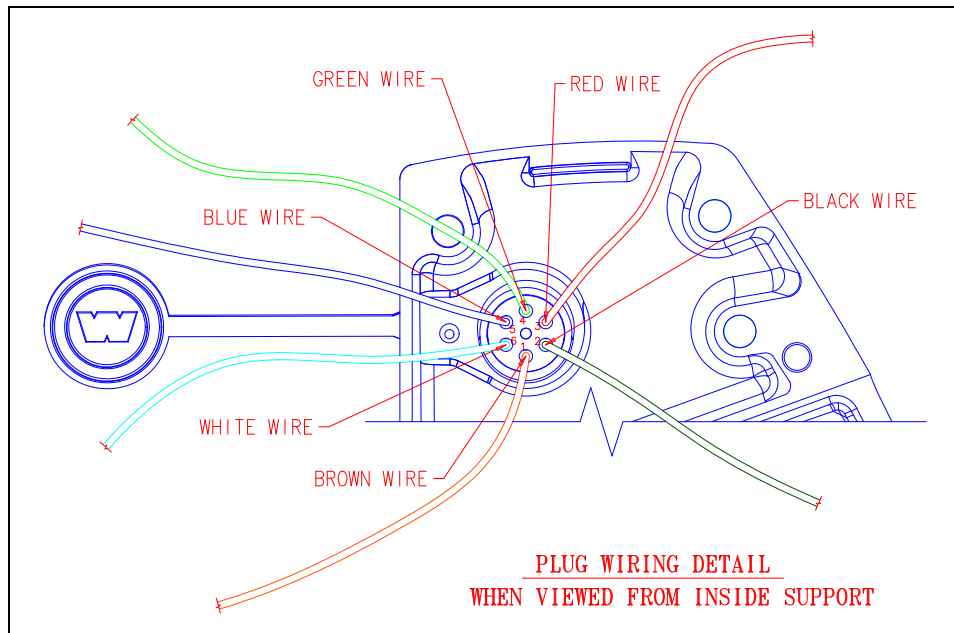


The new 6-wire circuit diagrams are shown below:



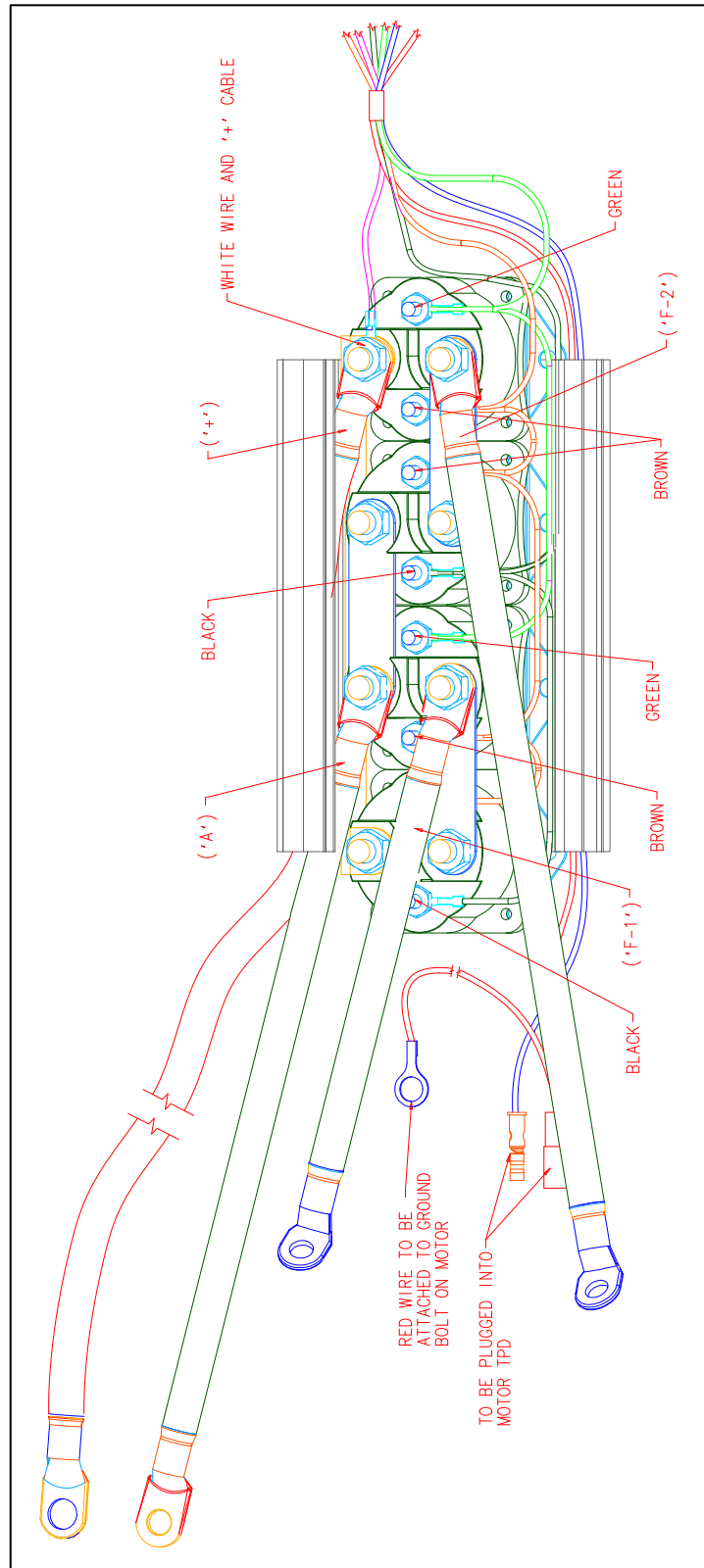
OLD 6-WIRE SCHEMATIC 12VDC

The following diagram is for routing the wires to the remote receptacle.



OLD 6-WIRE REMOTE WIRING

The following drawing is for routing the wires in the control pack to prevent heat damage from the bus bars in a 6-wire inline control pack configuration.



OLD 6-WIRE INLINE CONTROL PACK WIRING

If you have any questions on wiring these control packs, please contact WARN Customer Service Department 1-800-543-9276