









**INSTALLATION INSTRUCTIONS: IMPORTANT - Your battery must be disconnected before continuing with this installation!!**

<u>WIRE COLOR</u>	<u>CIRCUIT</u>	<u>INSTALLATION</u>
<b>IGNITION SWITCH PIGTAIL CONNECTOR #2</b>		<b>Plug this connector into the fuse panel connector #1</b>
	IGNITION FEED	Route PINK, RED, and BROWN wires to the ignition switch. Using the supplied connector and terminal in the ignition switch bag 510805, connect the RED wire to the ignition switch "BAT" terminal, the PINK wire to the "IGN" terminal, and the BROWN wire to the ignition switch "ACC" terminal, as shown on sheet 1. Note: For a GM steering column ignition switch, use bag 500257, and follow the instructions in that bag. Connect the black wire to a known good chassis/body ground.
	12V BATTERY	
	IGNITION SW ACCY	
	FLASHER GROUND	
	IGNITION FEED - COIL	<p>On GM HEI distributors:</p> <p>Install the female terminal C and gray plastic connector D and plug into the HEI distributor. This connector is indexed and will only plug into the "BAT" input terminal in the distributor cap. Route the other end of the pink wire to the "IGN" location on the ignition switch. Apply supplied terminal C and plug into the ignition switch connector supplied in the ignition switch bag 510805. Note: For GM steering column ignition switch, use bag 500257, and follow the instructions in that bag.</p> <p>On an ignition system requiring a 12 volt power source:</p> <p>Route one end of this wire to the ignition input feed of the ignition system that you are using. Depending on your ignition system, this might be the (+) side of the coil or might be the keyed (+) feed to your ignition box. Please refer to the instructions for your ignition system. Route the other end of the pink wire to the "IGN" location on the ignition switch and connect using the supplied terminal C and the ignition switch connector in the ignition switch bag 510805. Note: For GM steering column ignition switch, use bag 500257, and follow the instructions in that bag.</p> <p>On an ignition system requiring a ballast resistor:</p> <p>Connect one end of this wire to the "feed in" side of the ballast resistor using sleeve B and terminal A or terminal O and connector N. Route the other end of the pink wire to the "IGN" location on the ignition switch and connect using the supplied terminal C and the ignition switch connector in the ignition switch bag 510805. Use remaining pink wire cut from "feed in" to go from "feed out" to your coil. (Ring terminals A and sleeves B are supplied for this connection). Note: For GM steering column ignition switch, use bag 500257, and follow the instructions in that bag.</p>
	STARTER SOLENOID - S	Connect the ring terminal end of this wire to the starter solenoid "S" terminal. Route the other end of this wire to your ignition switch "SOL" terminal and connect using the supplied terminal in the ignition switch bag 510805, as shown on sheet 1. If you wish to use a neutral safety switch, it should be installed "IN LINE" with this wire as shown in the circuit diagram. Note: For a GM steering column ignition switch, use bag 500257, and follow the instructions in that bag.

Written instructions continued on page 6



HIGHWAY 22 PLUS

YELLOW

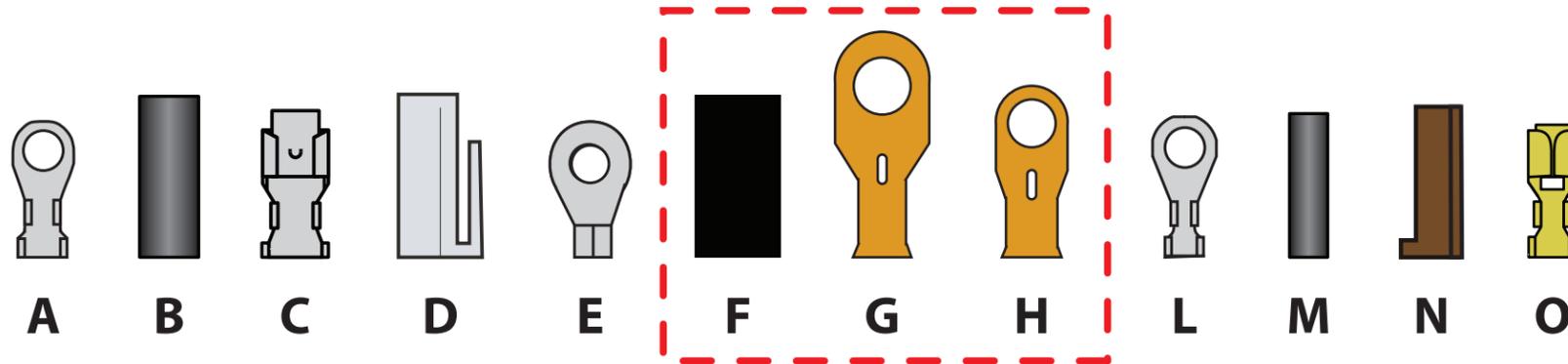
STARTER SOLENOID - R

This wire is for the starting circuit on a points ignition system requiring a ballast resistor and a 12 volt override. Connect the end of the wire with the ring terminal to the "R" terminal on a GM starter solenoid or the "I" terminal on a Ford solenoid. Connect the other end of this wire to the positive (+) side of the coil or to the ballast resistor "feed out" side. (The side that feeds the coil) using sleeve M and terminal L.

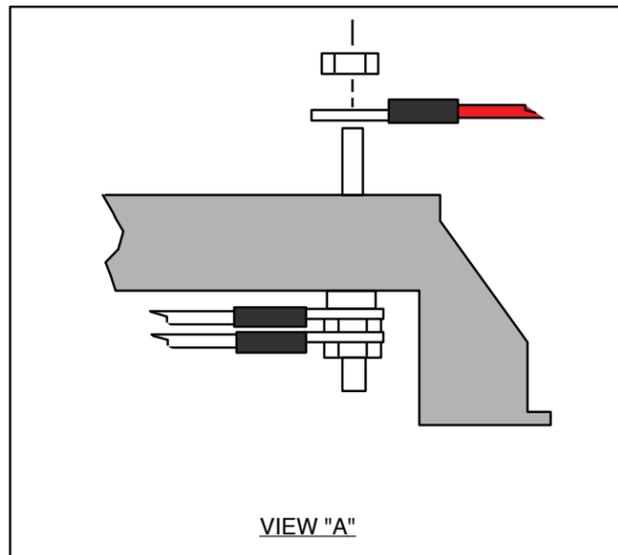
RED

MAIN BATTERY FEED

The main power to the panel is protected by a 175 amp MEGA-FUSE. The MEGA-FUSE is meant to be installed in line (as shown in the diagram) between the main power source (starter solenoid) and the Highway 22 PLUS panel. Connect the large ring terminal end (already attached to the red power wire from 510494 kit) to the FUSED SIDE of the Mega fuse. Route the other end of the red wire to the fuse panel and cut to length. Install shrink tube sleeve (F) and terminal (E) and attach to the "BATTERY IN" stud on the HIGHWAY 22 PLUS panel (see view A at bottom of page). Using parts from kit 510476 "Alternator and Main Power Connection Kit" BAG Z, install shrink tube sleeve (F) and terminal (G) to one end of the 6 gauge power wire. Install this end onto the battery stud on the starter solenoid. Route the other end of this wire to the UNFUSED side of the 175 amp MEGA-FUSE. The UNFUSED side will have the MEGA-FUSE jumper installed. Install shrink tube sleeve (F) and terminal (H) and install on the stud in the MEGA-FUSE box. Make sure all hardware on the MEGA-FUSE is tight before hooking up battery power to the system.



From 510476 Alternator Connection Kit BAG Z



HIGHWAY 22 PLUS



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