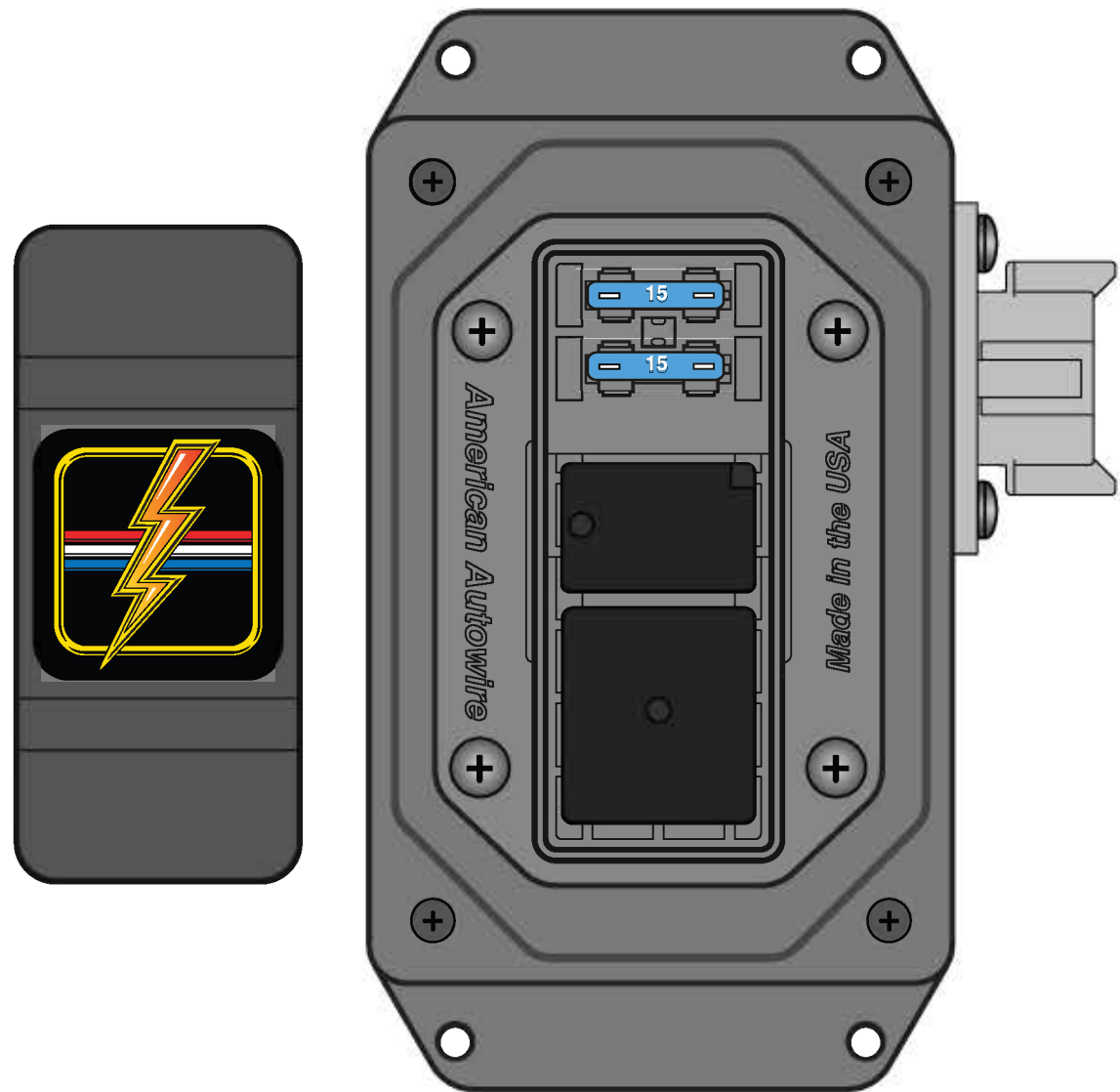
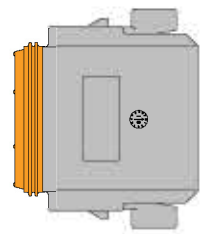

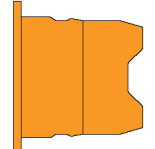
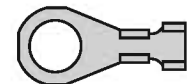
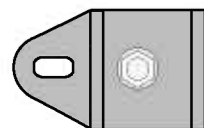



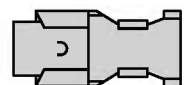

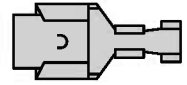
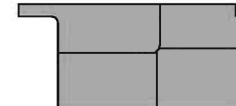
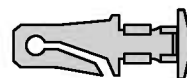




# Horn, Turn, Hazard Relay Panel

This add-on panel will allow you to add Emergency Hazard, Turn Signals and Horn to just about any thing you can dream of. This is the perfect addition to an off-road vehicle that will also have use on road. This is an excellent companion to the Track20 Kit 520020.



## Parts List

- |          |   |  |          |   |  |
|----------|---|--|----------|---|--|
| <b>A</b> |    | DT Series Connector<br>8 Position  | <b>H</b> |    | Turn Signal Switch connector<br>(Uses Pack Con series male terminal, "L")    |
| <b>B</b> |    | DT Series Wedgelock<br>(Installs in Connector "A" after wires are installed) | <b>J</b> |    | Ring Terminal<br>(14g & 16g wire only)                                       |
| <b>C</b> |    | Battery Junction Block   | <b>K</b> |    | Ring Terminal<br>Rubber Sleeve   |
| <b>D</b> |   | Size 16 Female Deutsch Terminal<br>(14g & 16g wire only)                     | <b>L</b> |    | Pack Con Series Male Terminal<br>(14g & 16g wire only)                       |
| <b>E</b> |  | 56 Series Female Terminal<br>(Fits 2 14-16g wires or single 12g)             | <b>M</b> |   | 56 Series Female Double Connector<br>(Uses 56 series Female terminal, "E,F") |
| <b>F</b> |  | 56 Series Female Terminal<br>(14g & 16g wire only)                           | <b>N</b> |  | 56 Series Male Double Connector<br>(Uses 56 series Male terminal, "G")       |
| <b>G</b> |  | 56 Series Male Terminal<br>(14g & 16g wire only)                             | <b>P</b> |  | 56 Series Female Connector<br>(Uses 56 series Female terminal, "E,F")        |
|          |   |  | <b>Q</b> |  | 56 Series Male Connector<br>(Uses 56 series Male terminal, "G")              |

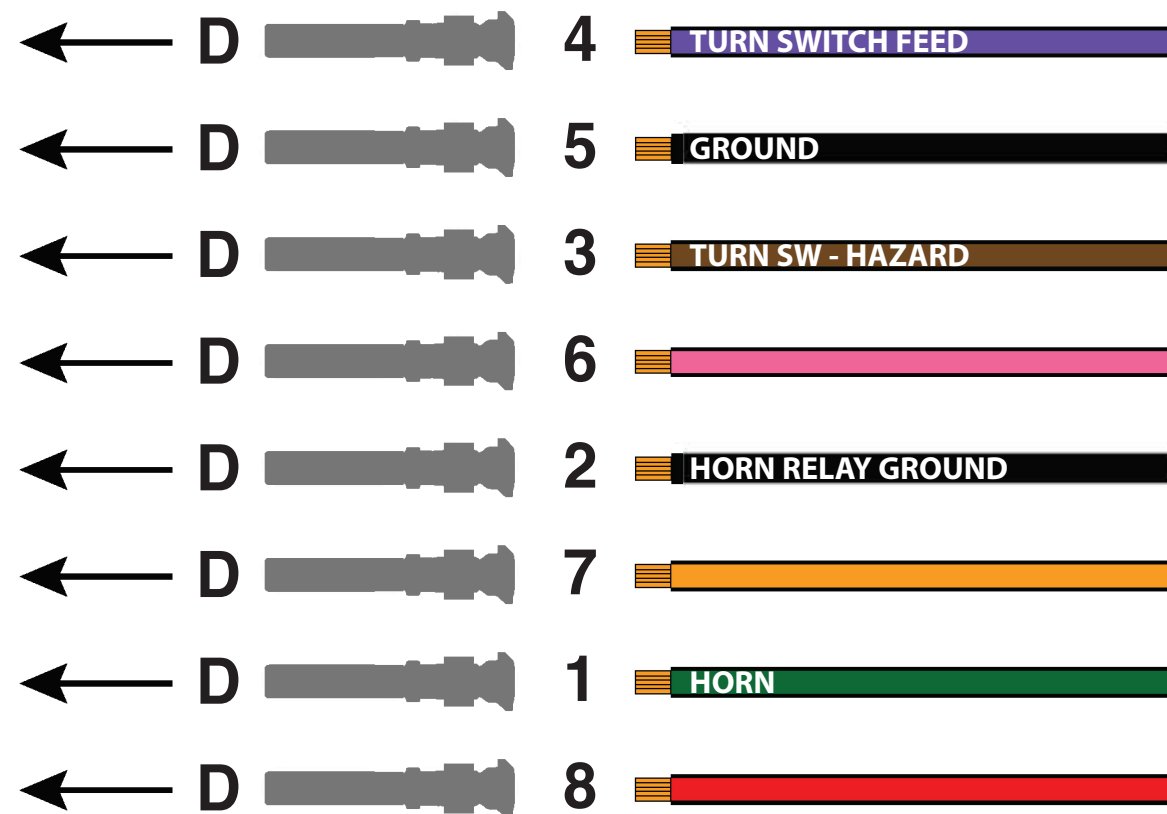
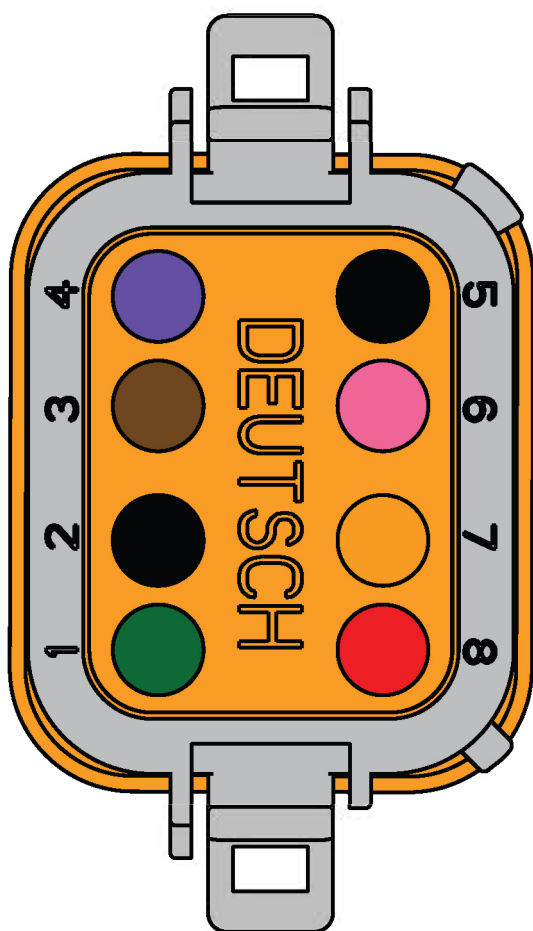
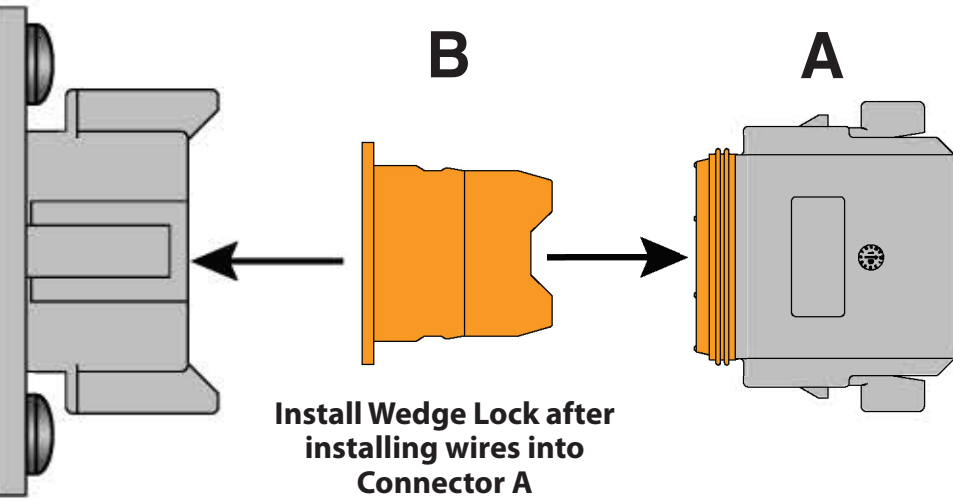
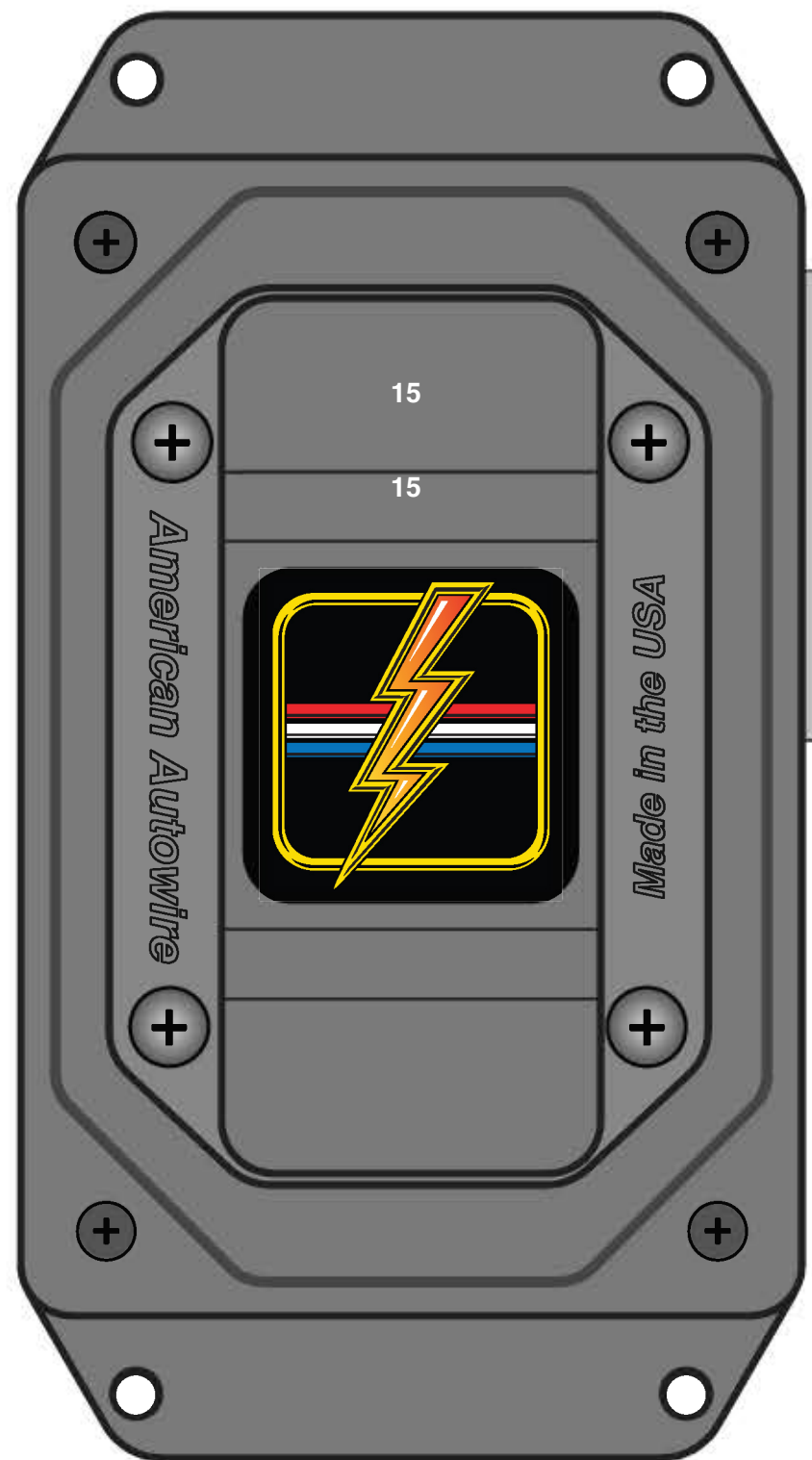


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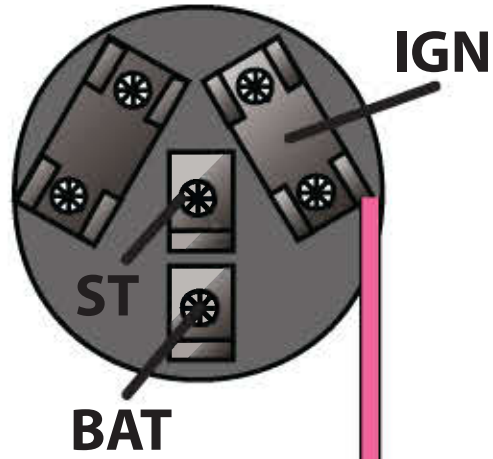
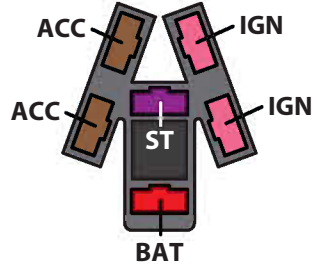
# Wire Location Identification



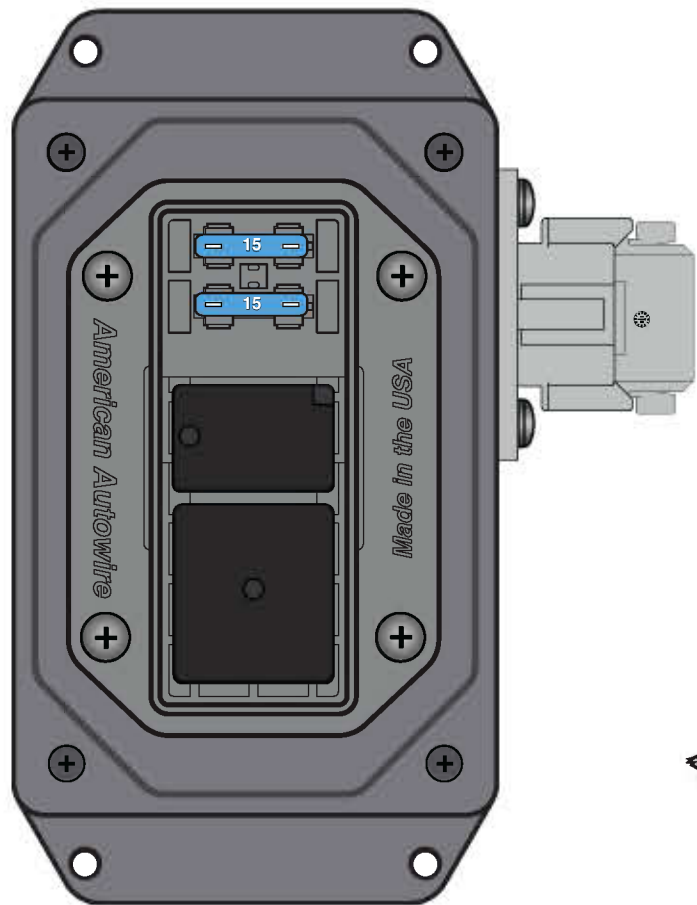
- 1. Horn Out ----- Dark Green
- 2. Horn Relay Ground ----- Black (labeled)
- 3. Hazard Feed ----- Brown (labeled)
- 4. Turn Switch Feed ----- Purple (labeled)
- 5. Ground ----- Black (labeled)
- 6. Ignition Power IN (Turn Fuse)----- Pink
- 7. Battery Power IN (Horn Relay) ----- Orange
- 8. Battery Power IN (Hazard Fuse)----- Red

**Ignition Switch**  
Part Number 510805  
(Sold Separately)

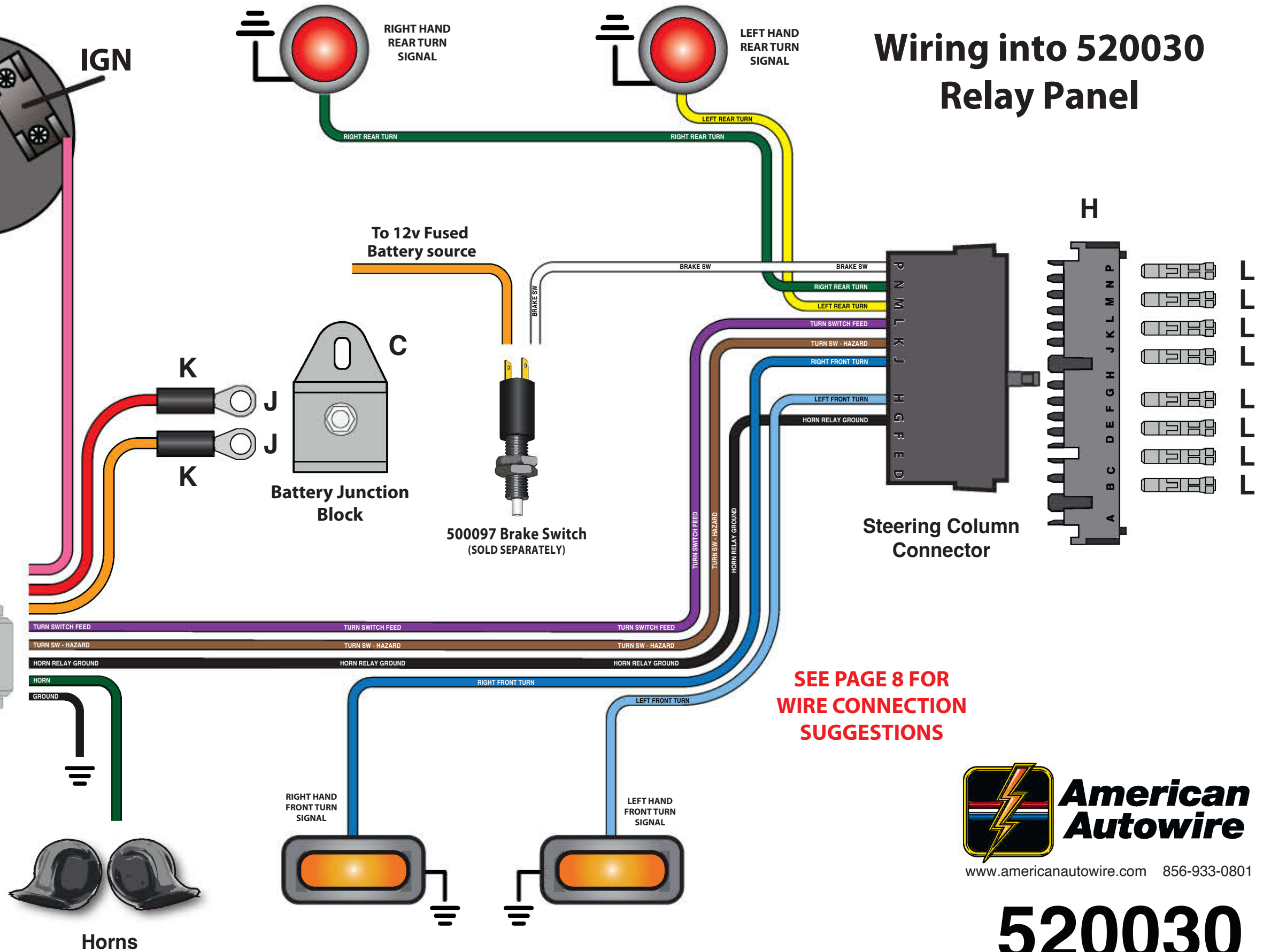
(Wire entry side)



All connections at the panel are made using the Female Deutsch Terminal



# Wiring into 520030 Relay Panel



SEE PAGE 8 FOR WIRE CONNECTION SUGGESTIONS

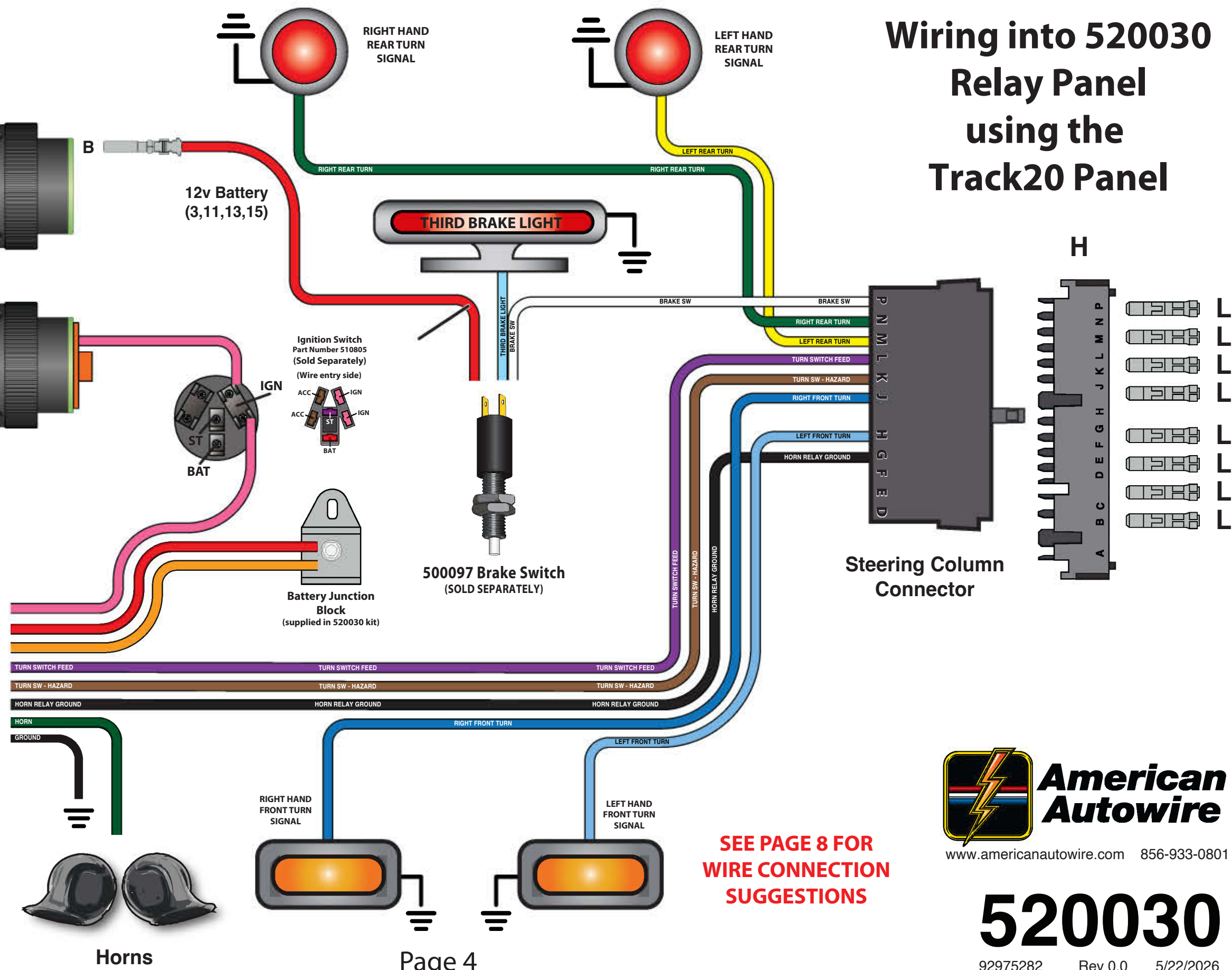
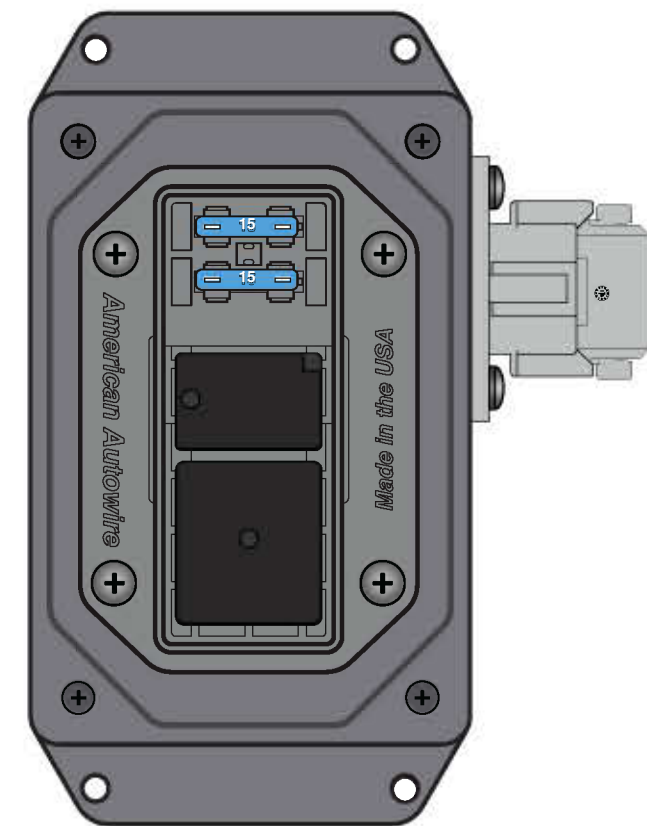


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Part Number 520020  
(Sold Separately)



# Wiring into 520030 Relay Panel using the Track20 Panel

Steering Column  
Connector

**SEE PAGE 8 FOR  
WIRE CONNECTION  
SUGGESTIONS**



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# 520030

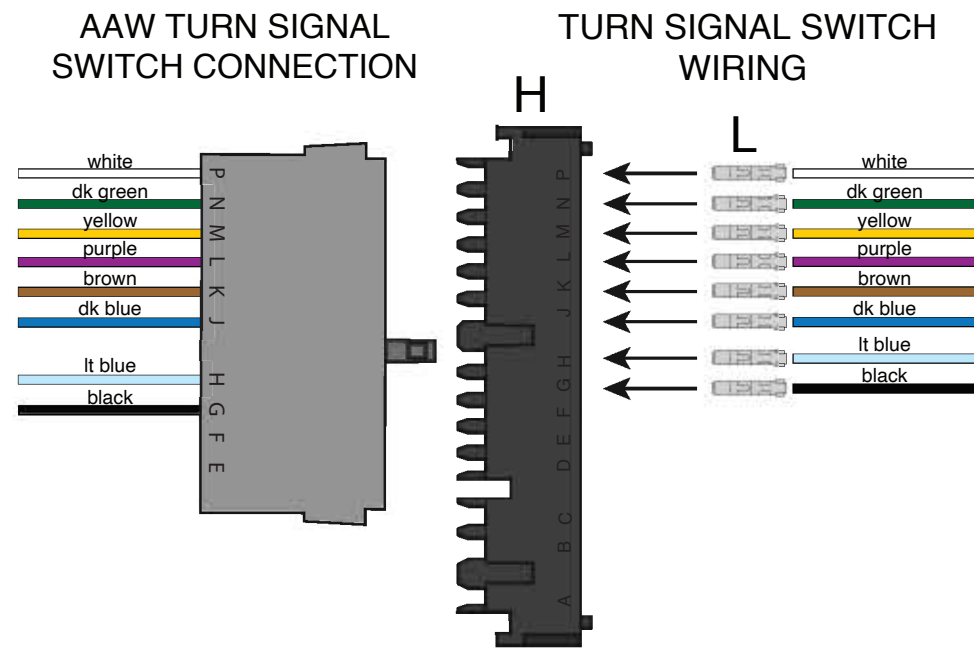
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Horns

Page 4

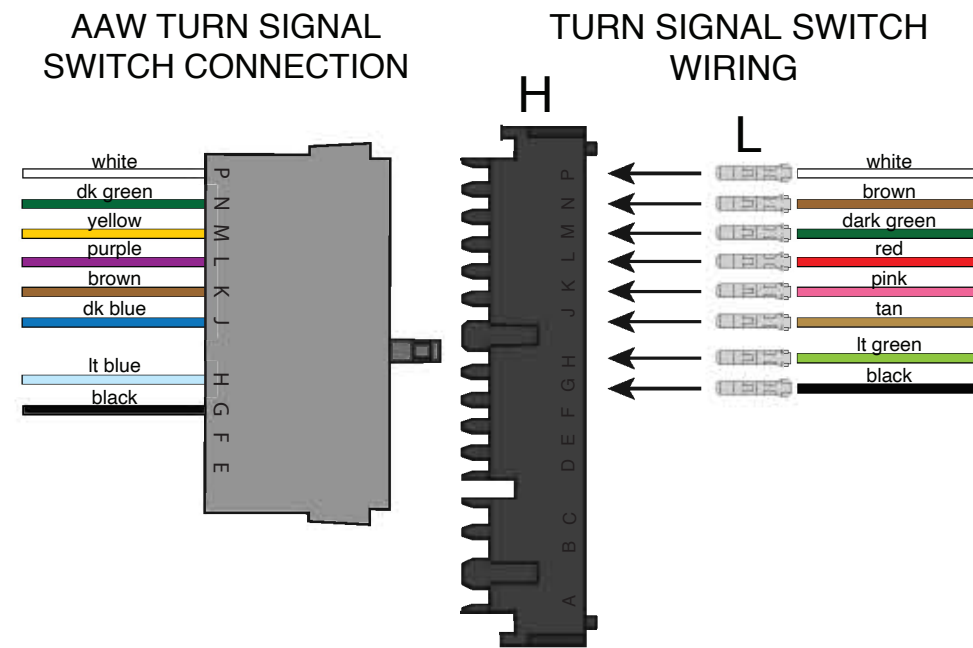
# Examples of Turn Signal Wiring by OEM

## General Motors Turn Signal Switch Wiring



<u>AAW Wire Color:</u>	<u>AAW Wire Printing:</u>	<u>Connector Cavity:</u>	<u>OEM GM Wire Color:</u>	<u>Aftermarket Wire Color:</u>
White	Brake SW	P	White	White
Dark Green	Right Rear Turn	N	Dark Green	Dark Green
Yellow	Left Rear turn	M	Yellow	Yellow
Purple	Turn Switch Feed	L	Purple	Purple
Brown	Turn SW - Hazard	K	Brown	Brown
Dark Blue	Right Front Turn	J	Dark Blue	Dark Blue
Light Blue	Left Front Turn	H	Light Blue	Light Blue
Black	Horn Relay Ground	G	Black	Black

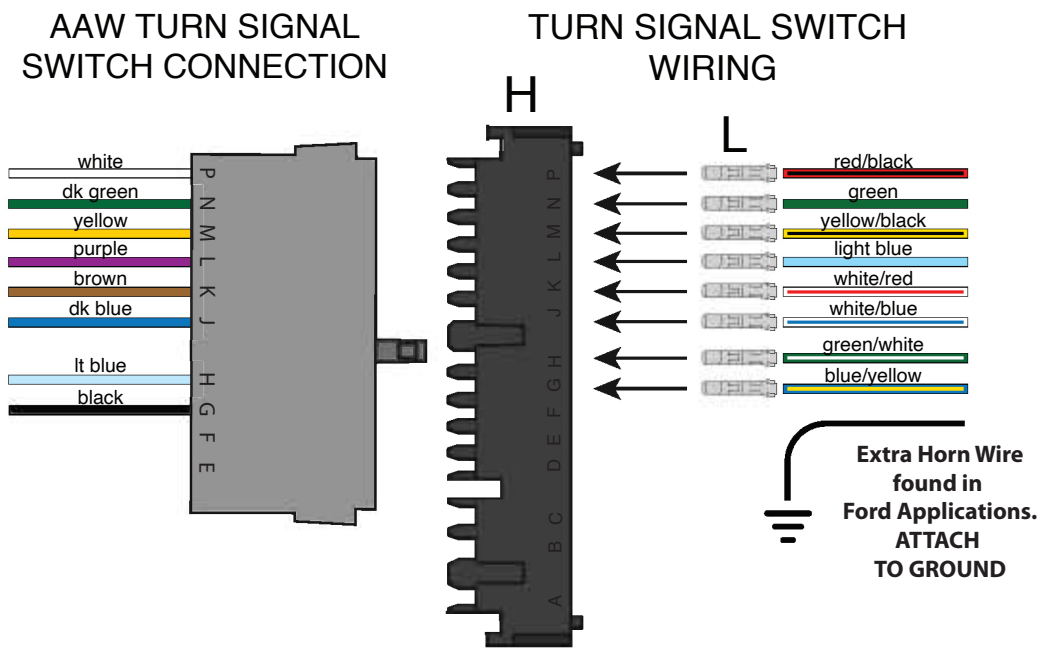
## MOPAR Turn Signal Switch Wiring



<u>AAW Wire Color:</u>	<u>AAW Wire Printing:</u>	<u>Connector Cavity:</u>	<u>OEM MOPAR Wire Color:</u>	<u>Aftermarket Wire Color:</u>
White	Brake SW	P	White	White
Dark Green	Right Rear Turn	N	Brown	Brown
Yellow	Left Rear turn	M	Dark Green	Dark Green
Purple	Turn Switch Feed	L	Red	Red
Brown	Turn SW - Hazard	K	Pink (1970+)	Pink (1970+)
Dark Blue	Right Front Turn	J	Tan	Tan or Gray
Light Blue	Left Front Turn	H	Light Green	Light Green or Black/Green
Black	Horn Relay Ground	G	Black	Black

# Examples of Turn Signal Wiring by OEM

## Ford Turn Signal Switch Wiring



**AAW Wire**

**Color:**

White  
Dark Green  
Yellow  
Purple  
Brown  
Dark Blue  
Light Blue  
Black  
Black

**AAW Wire**

**Printing:**

Brake SW  
Right Rear Turn  
Left Rear turn  
Turn Switch Feed  
Turn SW - Hazard  
Right Front Turn  
Left Front Turn  
Horn Relay Ground  
Horn Relay Ground

**Connector**

**Cavity:**

P  
N  
M  
L  
K  
J  
H  
G  
F

**OEM Ford**

**Wire Color:**

Red w/ Black Stripe  
Green  
Yellow w/ Black Stripe  
Lt. Blue  
White w/ Red Stripe  
White w/ Blue Stripe  
Green w/ White Stripe  
Blue w/ Yellow Stripe  
Not Used

**Optional Ford**

**Wire Color:**

Green  
Orange w/ Blue Stripe  
Green w/ Orange Stripe  
Lt. Blue  
White w/ Red Stripe  
White w/ Blue Stripe  
Green w/ White Stripe  
Black Dark Blue  
Not Used

**Optional Ford**

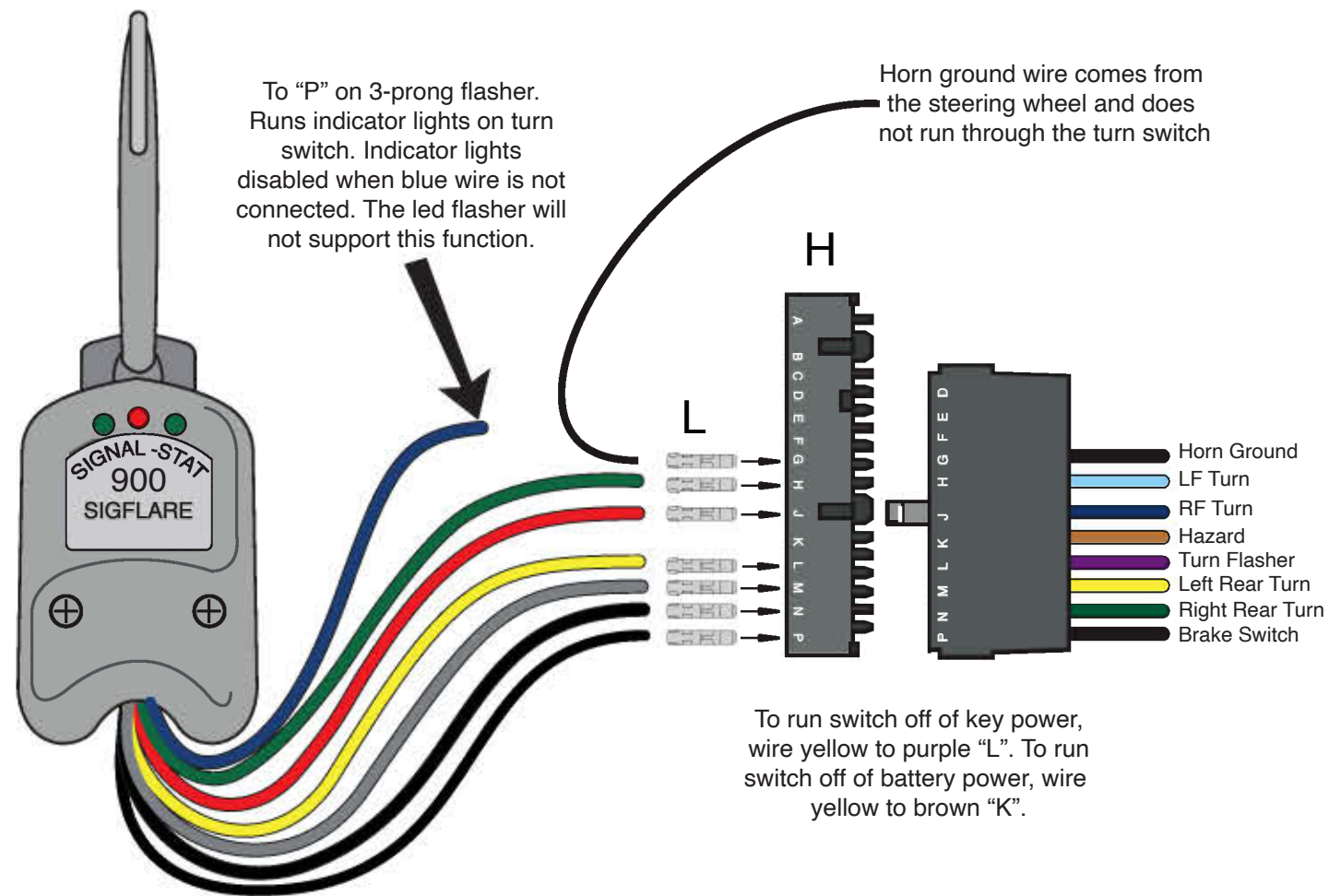
**Wire Color (2):**

Dark Green  
Orange w/ Blue Stripe  
Green w/ Orange Stripe  
Dark Blue  
Not Used  
White w/ Blue Stripe  
Green w/ White Strip  
Yellow  
Yellow/Green or Blue/Yellow\*\*\*

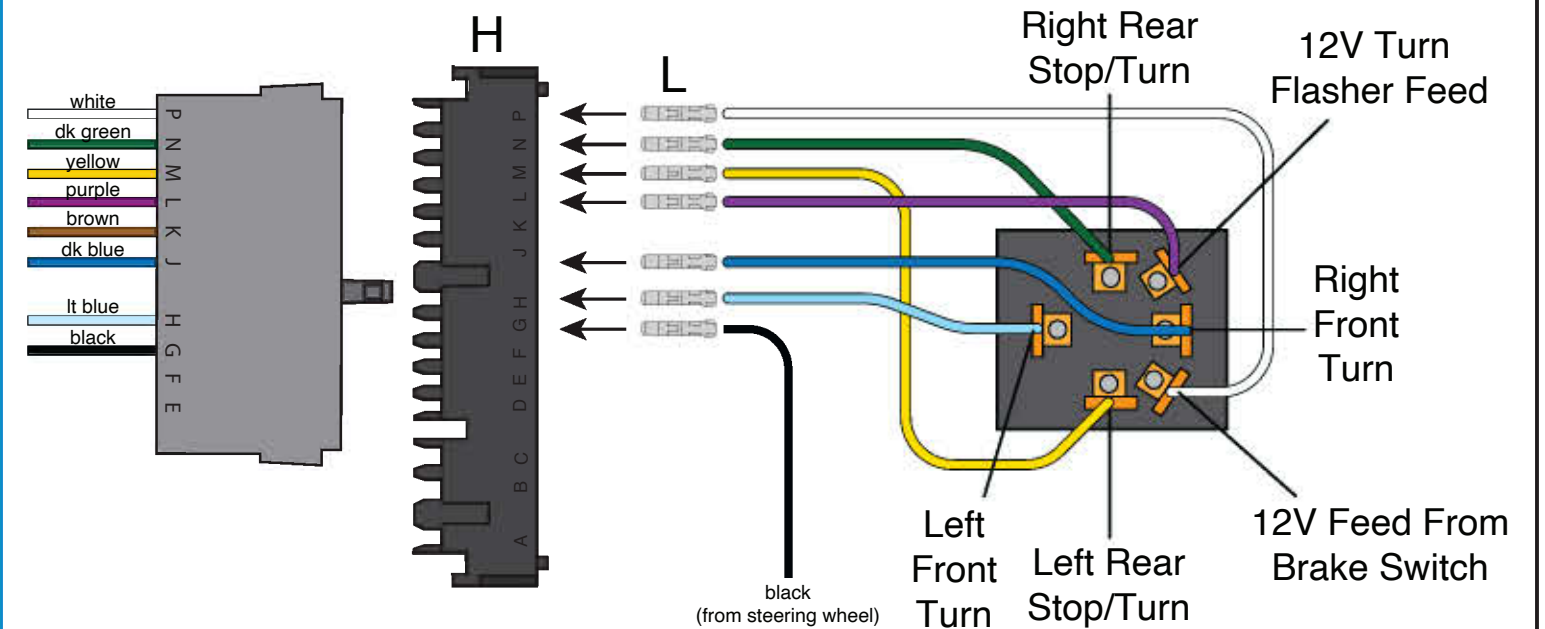
(\*\*\*) Note: Certain Ford applications switched power through the horn switch. This relay add-on kit uses a switched ground to activate the horn relay. The wire attached to connector cavity "F" should be attached to a good grounding point in the vehicle.

# Universal Style Turn Signal Switches

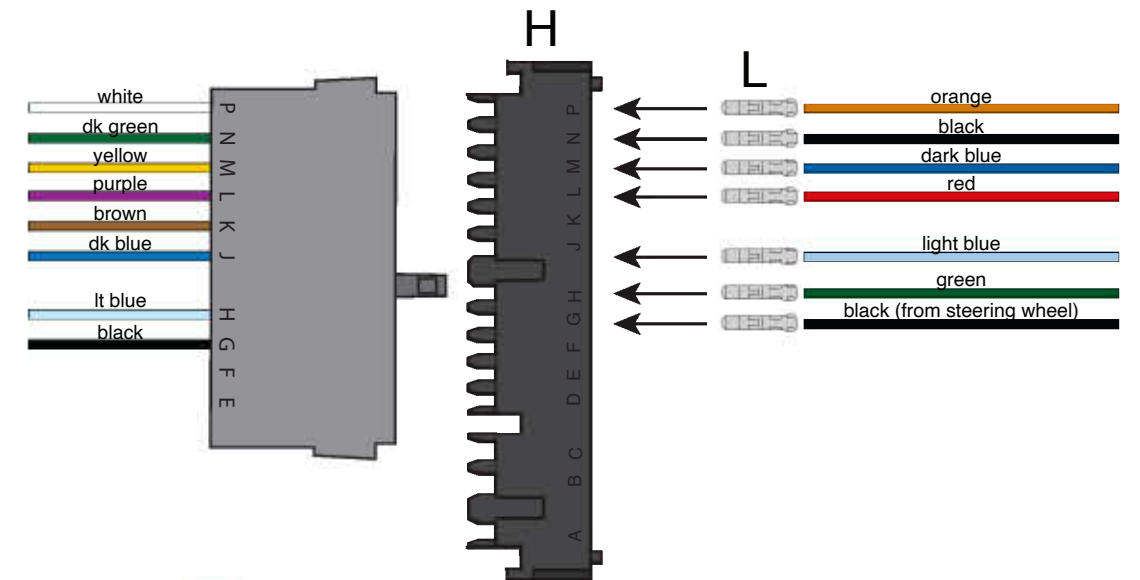
## Signal-Stat or Similar Turn Signal Switch Wiring



## American Autowire 500148 Toggle-Turn Switch



## Limeworks or Similar Turn Signal Switch Wiring



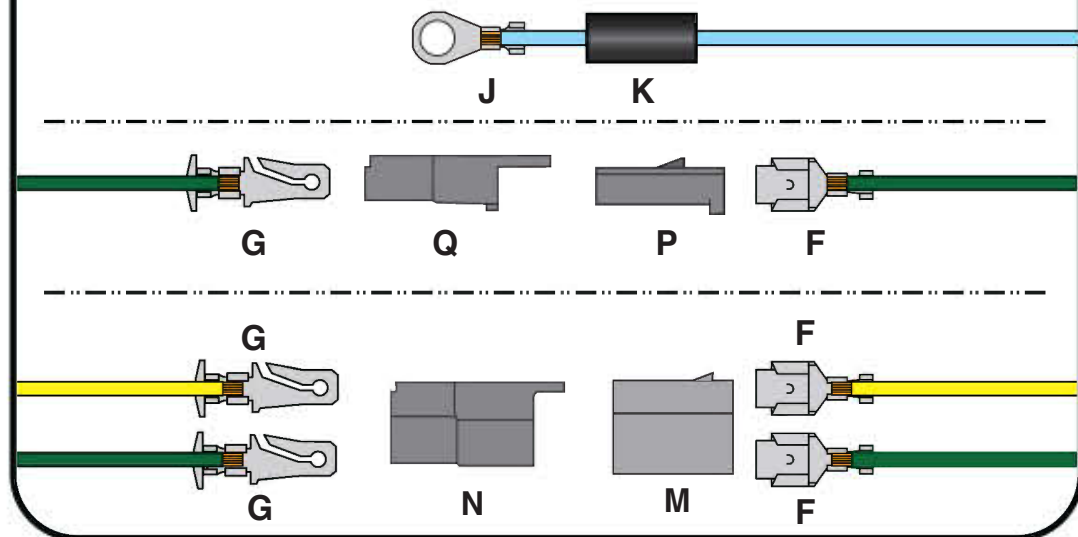
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**520030**

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We have supplied you with multiple solutions for connecting wires. Here are some examples



**520025**

This 10 circuit, 8 Fuse Accessory panel has a split 6 gauge bus bar that allows you to run with 2 unique circuits, allows the addition of accessory circuits for comfort items such as heater, A/C, power windows and radio for Track20 projects.



**520049**  
DT Male Terminal  
Size 12  
Pack of 10



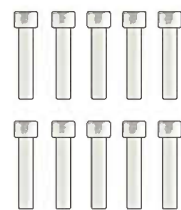
**520050**  
DT Female Terminal  
Size 12  
Pack of 10



**520051**  
DT Male Terminal  
Size 16  
Pack of 10



**520052**  
DT Female Terminal  
Size 16  
Pack of 10



**520046**  
DT Cavity Plug  
Size 12 and 16  
Pack of 10



**520003**  
Open Barrel Deutsch  
Terminal and Connector  
Kit

-Kit includes Male and Female Disconnects and Terminals for:

- 2 Position
- 3 Position
- 4 Position
- 6 Position
- 8 Position



**510585**  
GM small gauge terminal crimping tool



**510586**  
GM large gauge terminal and double small gauge terminal crimping tool



**510609**  
GM sealed connector crimping tool (18-12 gauge)



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**520030**

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