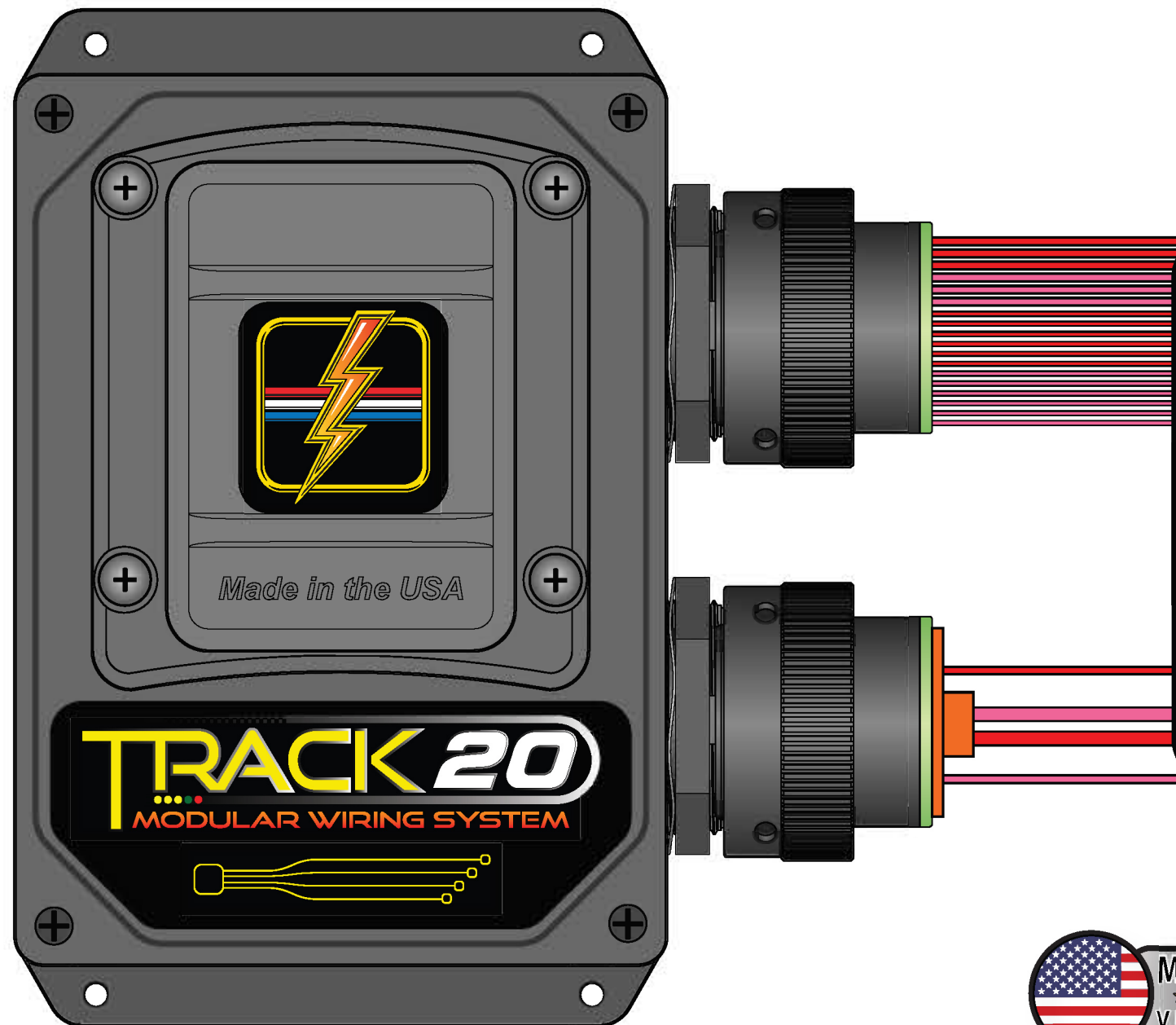




Power Distribution Panel

Track20 delivers the essential electrical foundation required for a modern performance vehicle while keeping the installation clean, compact, and easy to expand as the project evolves. The panel features 20 total circuits with 18 fused outputs, dedicated battery and ignition feeds, dual 6-gauge all-copper bus bars, and dual 175A MEGA fuse protection. On the next pages we will walk you through the different connections and show you different examples of typical connections in a vehicle.



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Page 3 - Panel Connector ID	Page 11 - Electric Fuel Pump
Page 4 - Connector 2 ID	Page 12 - Electric Fan
Page 5 - Ignition HEI	Page 13 - Electric Fan w/ECU
Page 6 - Ignition, continued	Page 14 - Add-On accessories
Page 7 - Alternator	Page 15 - Add-On accessories
Page 8 - Basic Lighting	Page 16 - Add-On accessories
Page 9 - ADD-ON RELAY Panel	





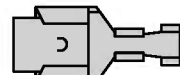

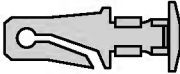
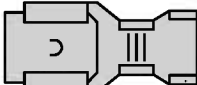
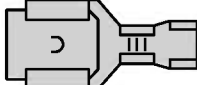
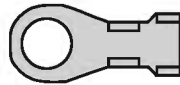
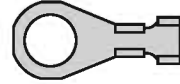

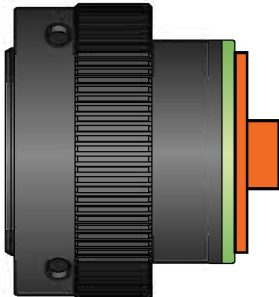

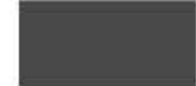


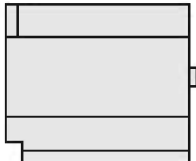
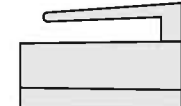


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92975276 Rev 0.0 5/22/2026

Parts Identification Page

<p>1 </p> <p>A </p> <p>B </p> <p>C </p> <p>D </p> <p>E </p> <p>F </p> <p>G </p> <p>H </p> <p>J </p> <p>K </p> <p>L </p>	<p>19 Position HD20 Deutsch Plug (6 size 12, 13 size 16)</p> <p>Size 12 Female Deutsch Terminal (12g wire only)</p> <p>Size 16 Female Deutsch Terminal (14g & 16g wire only)</p> <p>56 Series Female Terminal (12g wire only)</p> <p>56 Series Female Terminal (14g & 16g wire only)</p> <p>56 Series Male Terminal (12g wire only)</p> <p>56 Series Male Terminal (14g & 16g wire only)</p> <p>59 Series Female Terminal (12g wire only)</p> <p>59 Series Female Terminal (14g & 16g wire only)</p> <p>Ring Terminal (12g wire only)</p> <p>Ring Terminal (14g & 16g wire only)</p> <p>Ring Terminal Rubber Sleeve</p>	<p>2 </p> <p>M </p> <p>N </p> <p>P </p> <p>Q </p> <p>R </p> <p>S </p>	<p>9 Position HD20 Deutsch Plug (2 size 8, 7 size 12)</p> <p>Closed Barrel Wire Splice (12g - 14g wire only)</p> <p>Heat Shrink for Splice Clip</p> <p>56 Series Female Connector (Uses 56 series Female terminal, "C,D")</p> <p>56 Series Male Connector (Uses 56 series Male terminal, "E,F")</p> <p>Headlight Connector (Uses 59F series terminals, "G,H")</p> <p>HEI Distributor BAT connector (Uses 56 series Female terminal, "C")</p>	<p>16G Pink w/white stripe</p> <p>14G Pink</p> <p>12G Pink</p> <p>16G Red w/white stripe</p> <p>14G Red</p> <p>12G Red</p> <p>STARTER SOLENOID - S</p> <p>12g Purple Starter wire from Ignition switch to Starter Solenoid "S" Terminal</p> <p>GROUND</p> <p>14g Black Ground wire</p> <p>HEADLIGHT - LOW BEAM</p> <p>14g Tan Headlight feed wire</p> <p>PARK LIGHTS</p> <p>14g Brown Park Lights feed wire</p> <p>THIRD BRAKE LIGHT</p> <p>14g Light Blue Brake Light wire</p> <p>10g Red Battery Panel Feed From Mega Fuse</p> <p>10g Pink Ignition Panel Feed From Ignition Switch</p>
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See pages 14-16 for replacement parts available on our website.



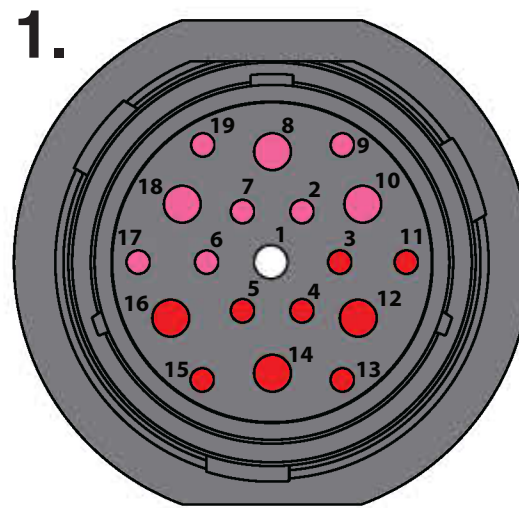
www.americanautowire.com 856-933-0801




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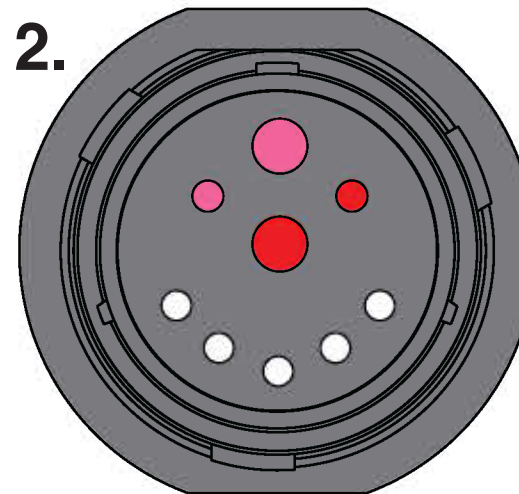
FUSED



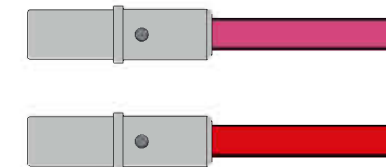
A  x6

B  x12

UNFUSED



A  x2



Inner Fuse Box Label

Battery 30A	PIN 12	PIN 10	Ignition 30A
Battery 30A	PIN 14	PIN 8	Ignition 30A
Battery 20A	PIN 16	PIN 18	Ignition 20A
Battery 15A	PIN 11	PIN 9	Ignition 15A
Battery 15A	PIN 3	PIN 19	Ignition 15A
Battery 15A	PIN 13	PIN 6	Ignition 15A
Battery 15A	PIN 15	PIN 17	Ignition 15A
Battery 20A	PIN 4,5	PIN 7,2	Ignition 20A

CONNECTOR #1: Qty - 6 - 12 gauge,
Qty - 12 - 14-16 gauge wires, all fused.

CONNECTOR #2: Qty - 2 - 10 gauge power "IN" wires, terminals pre-installed,
Qty - 2 - Unfused 12 gauge wires "OUT".



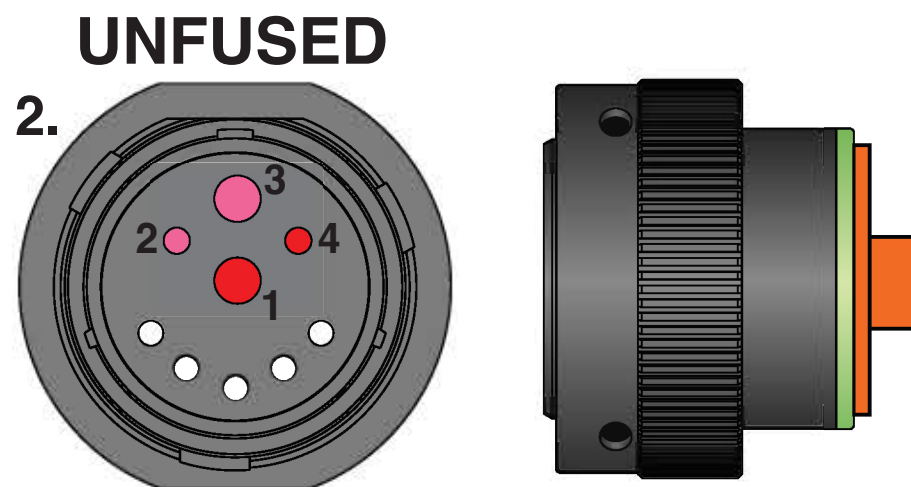
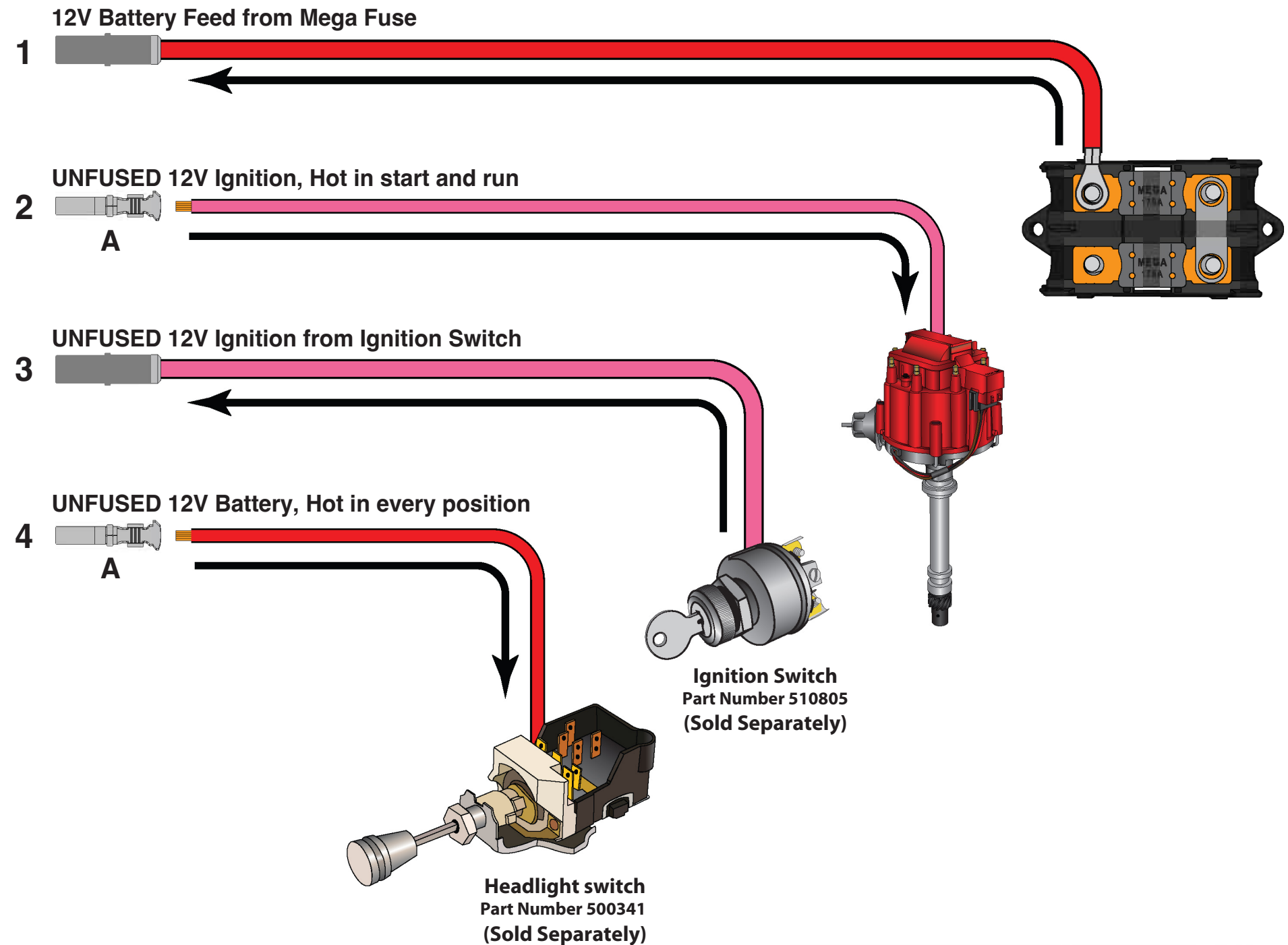
CONNECTOR #2 Wire Connections

Circuit #1 is the Battery Feed in to the panel from the 175A Mega Fuse. See page 5&6.

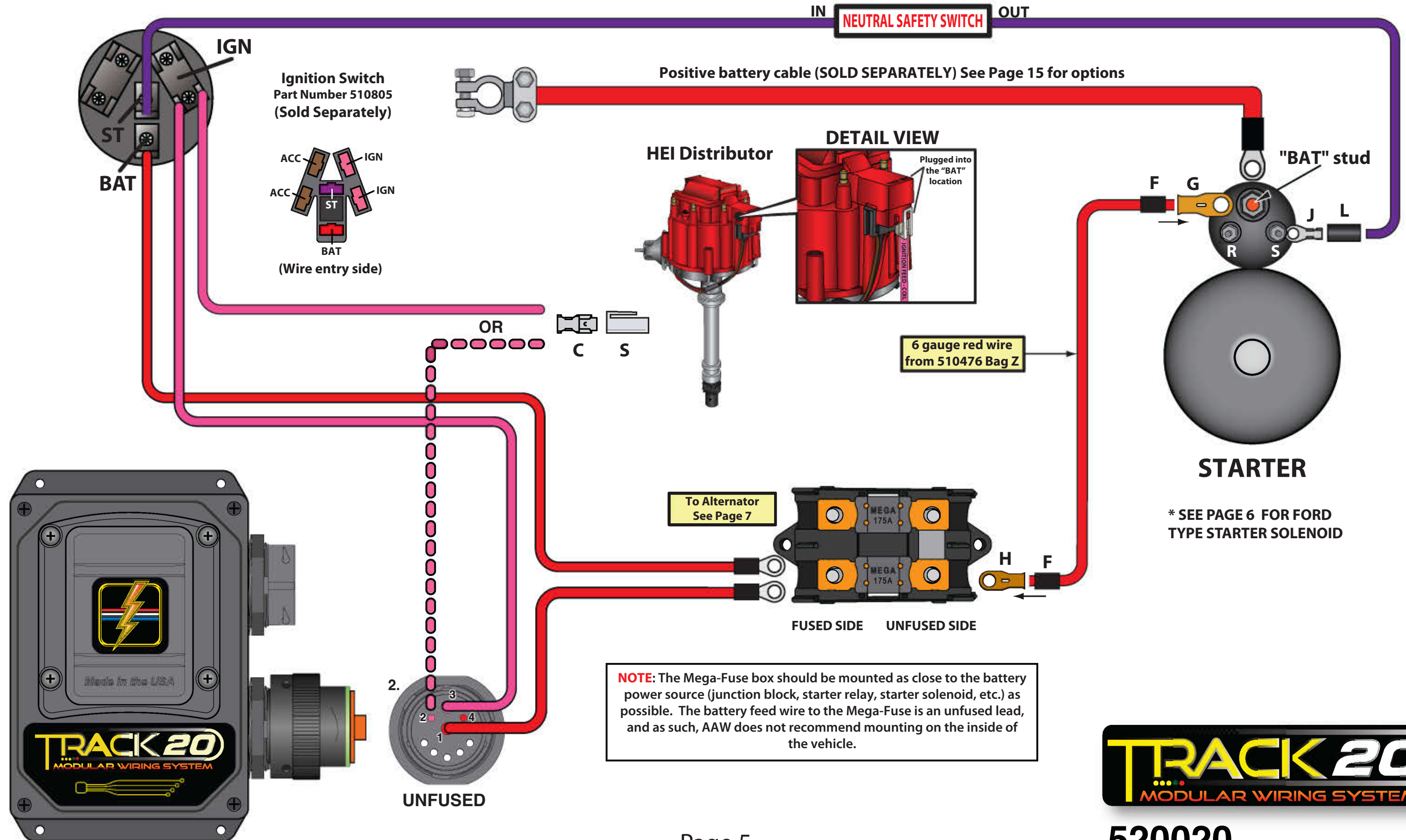
Circuit #2 is the unfused 12V Ignition Feed out of the panel for HEI distributor, ECM, or any aftermarket ignition system. See page 5.

Circuit #3 is the Ignition Feed in from the Ignition switch. This supplies power in to the panel to the Ignition Bus when the key is in the start or on positions. See page 5.

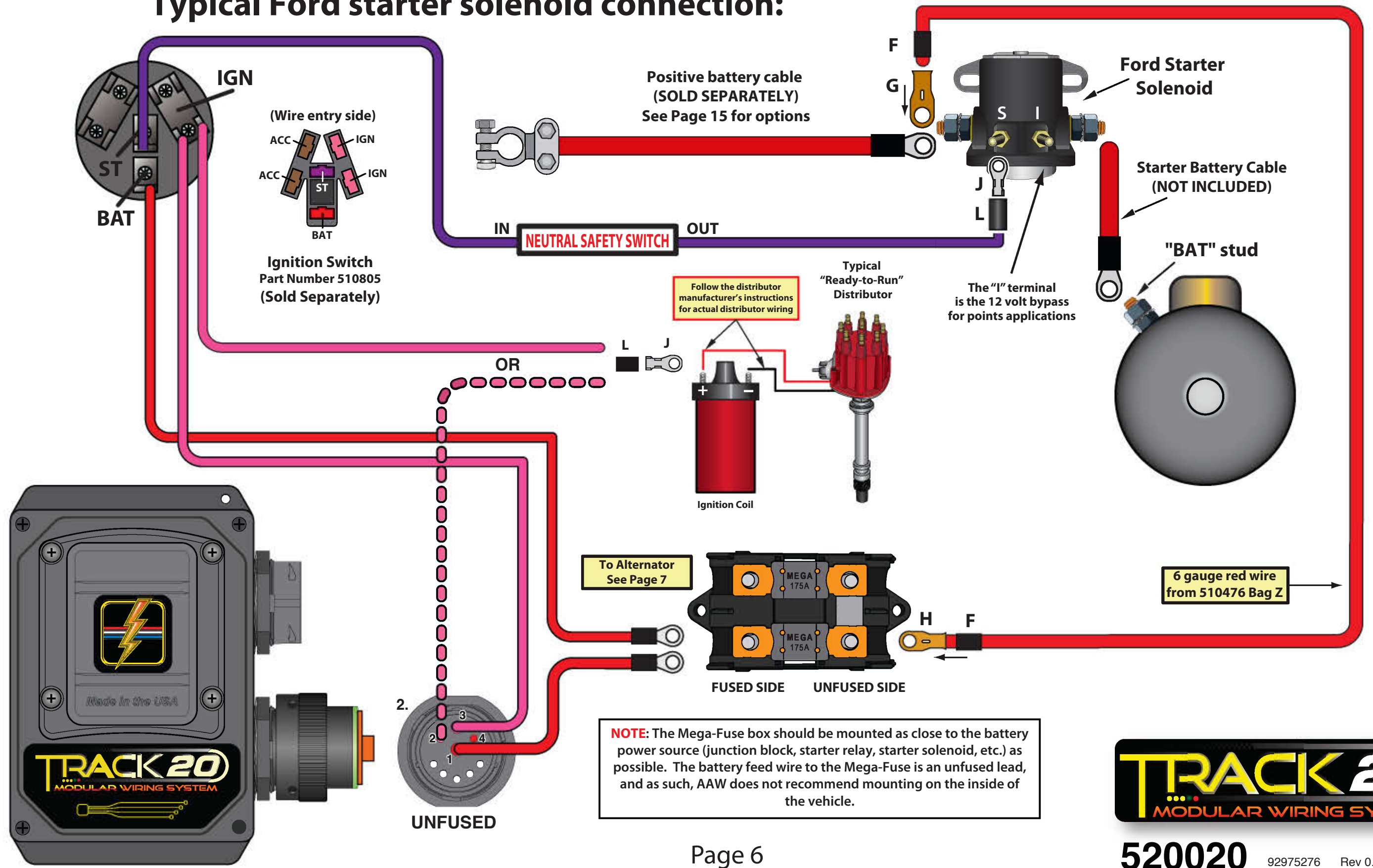
Circuit #4 is the unfused 12V Battery Feed out of the panel for the Headlight switch. See page 8.



Typical large cap HEI connection



Typical Ford starter solenoid connection:

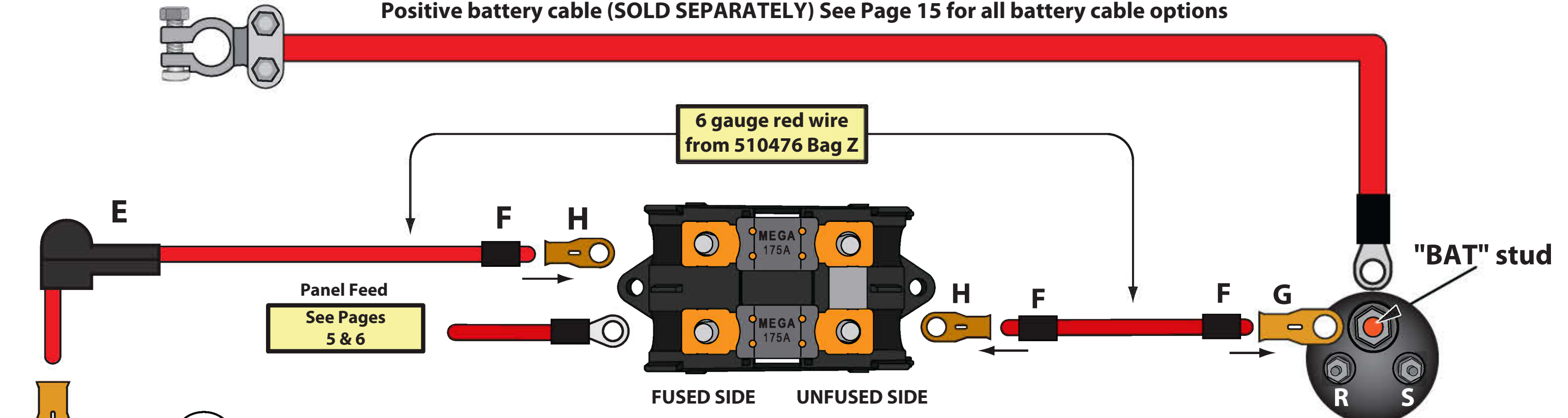


NOTE: The Mega-Fuse box should be mounted as close to the battery power source (junction block, starter relay, starter solenoid, etc.) as possible. The battery feed wire to the Mega-Fuse is an unused lead, and as such, AAW does not recommend mounting on the inside of the vehicle.



Positive battery cable (SOLD SEPARATELY) See Page 15 for all battery cable options

6 gauge red wire from 510476 Bag Z

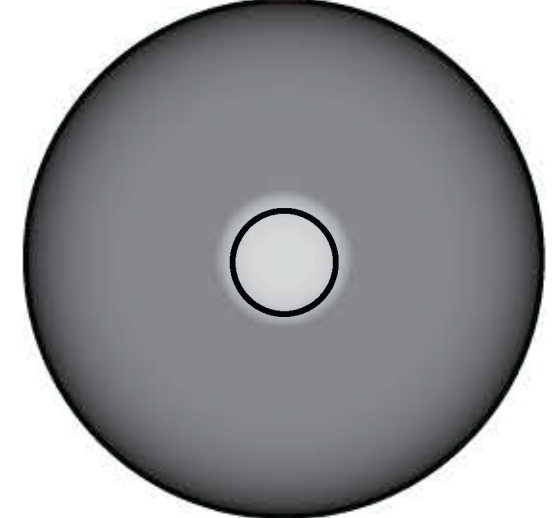
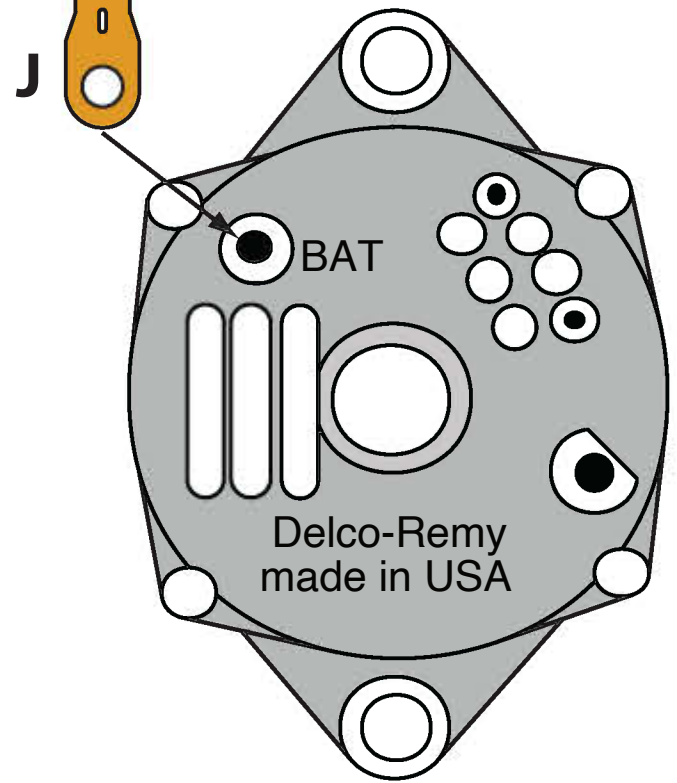


Panel Feed See Pages 5 & 6

FUSED SIDE UNFUSED SIDE

NOTE: The Mega-Fuse box should be mounted as close to the battery power source (junction block, starter relay, starter solenoid, etc.) as possible. The battery feed wire to the Mega-Fuse is an unfused lead, and as such, AAW does not recommend mounting on the inside of the vehicle.

American Autowire carries a full variety of replacement alternators. Call or check our website for the best solution for your installation.



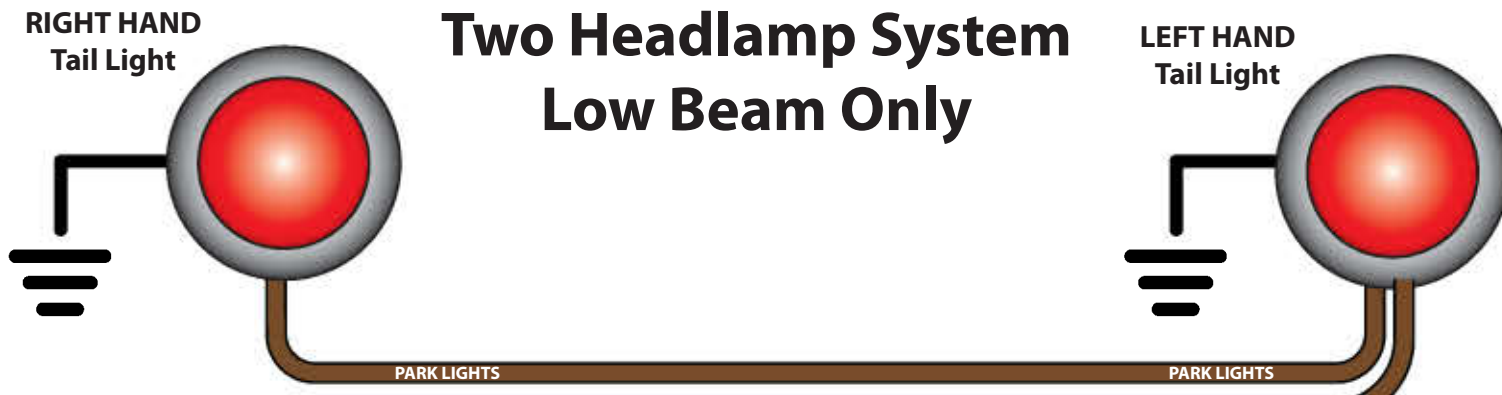
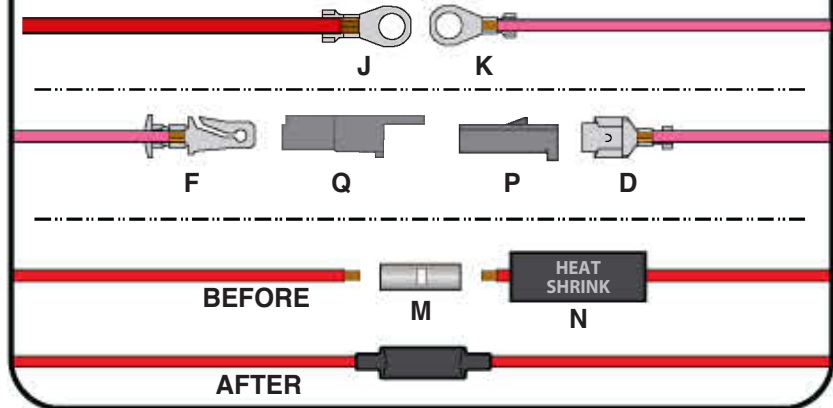
STARTER



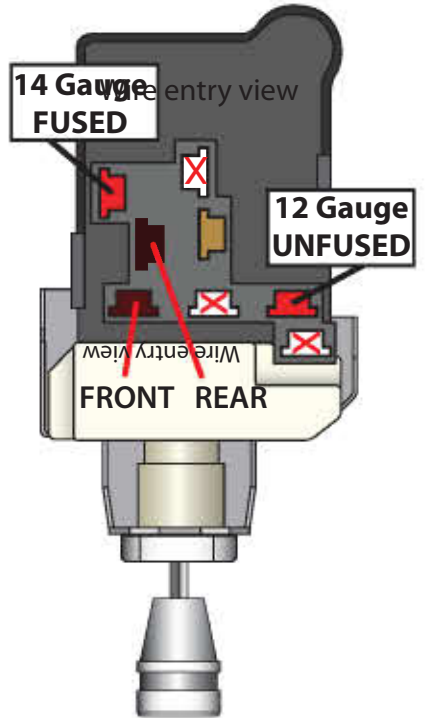
520020

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

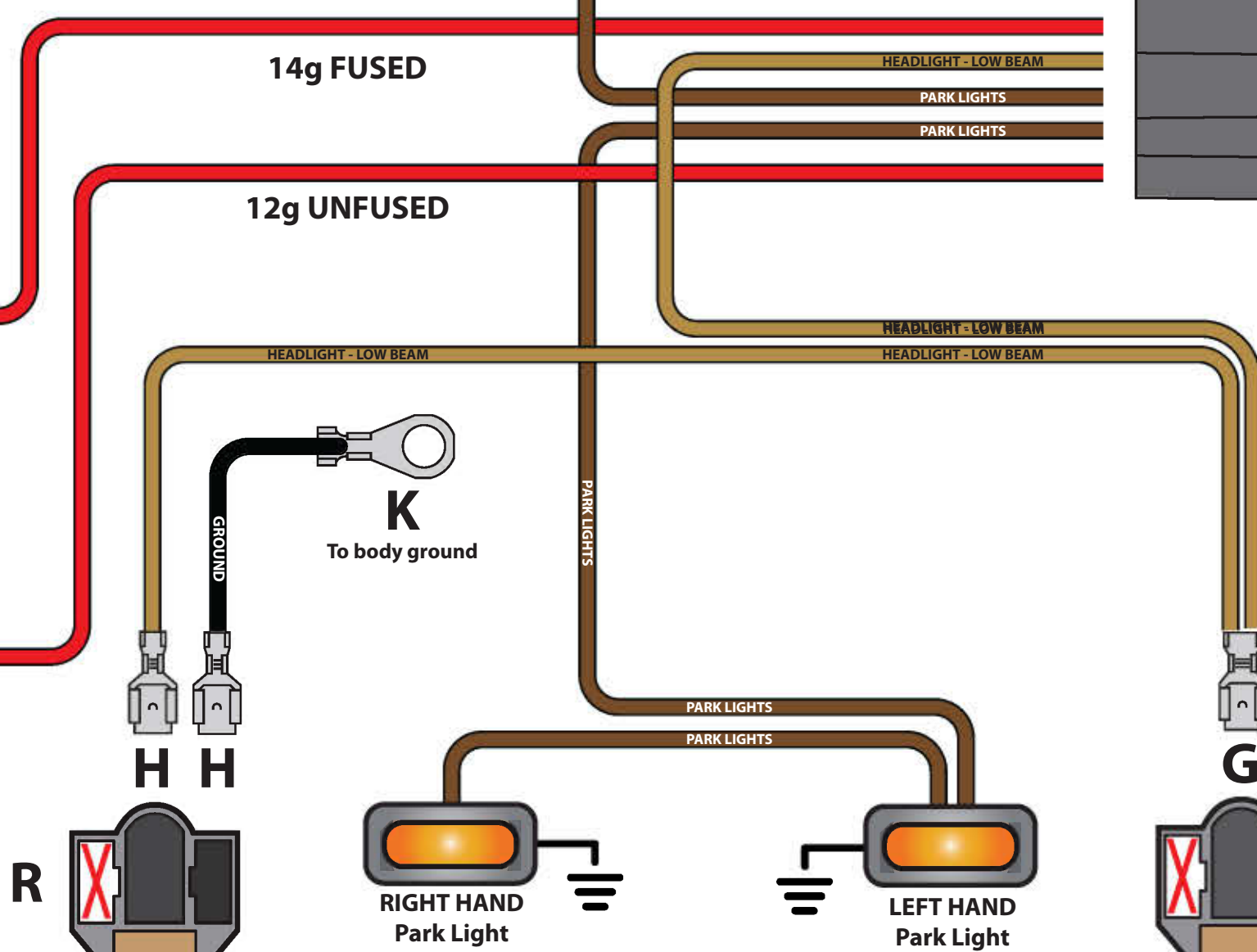


500341 Headlight switch (sold separately)

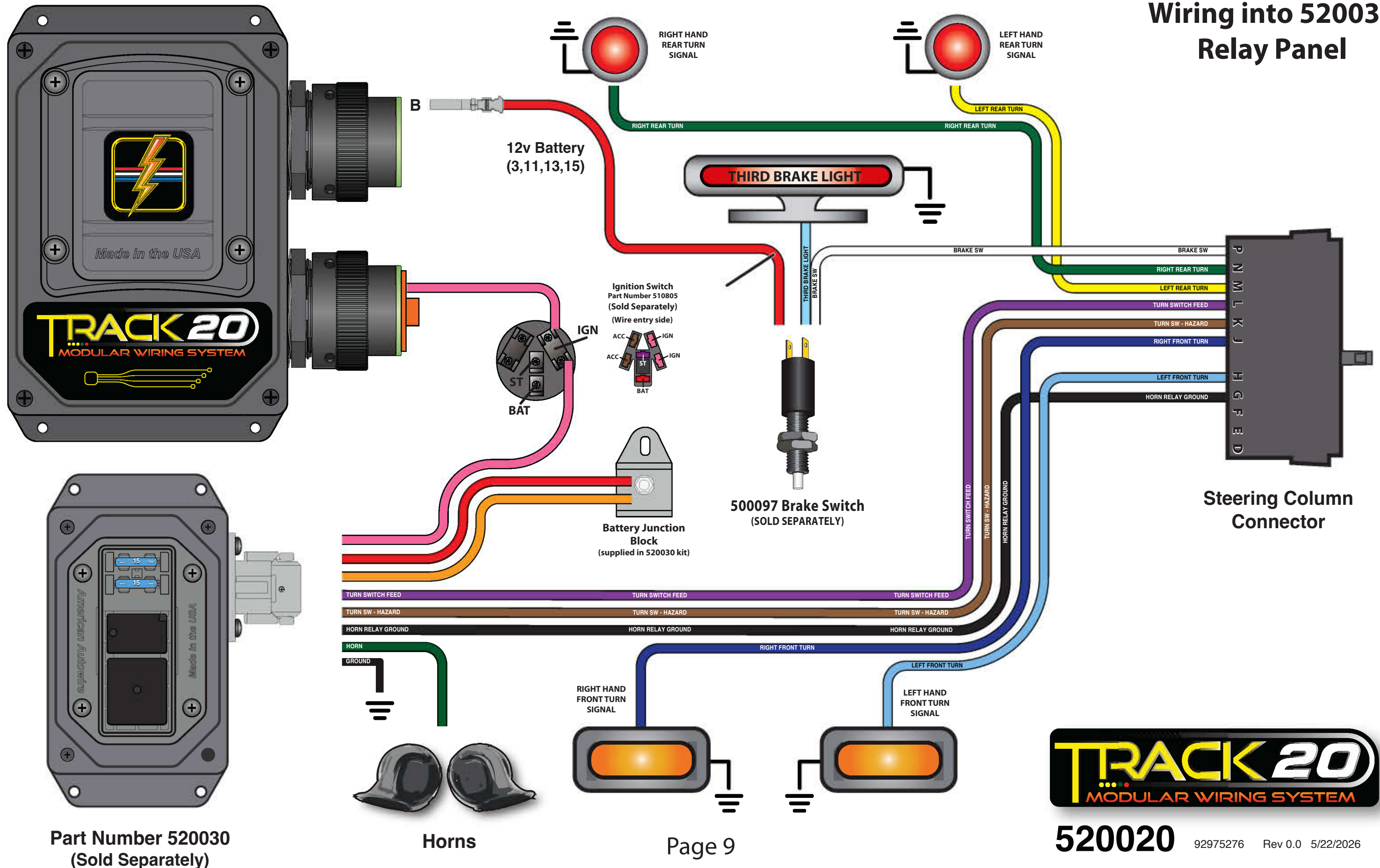


Plug into any one of the following:
3,11,13,15
Connector 1
B

Plug into:
Position 4
Connector 2
A



Wiring into 520030 Relay Panel



Part Number 520030
(Sold Separately)

Horns

Page 9

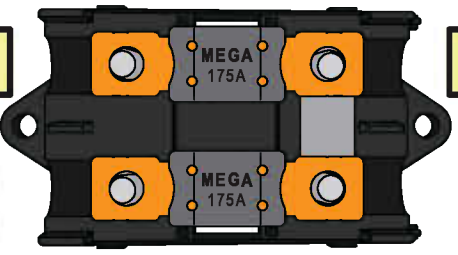


520020 92975276 Rev 0.0 5/22/2026

Wiring into 520025 Accessory Panel

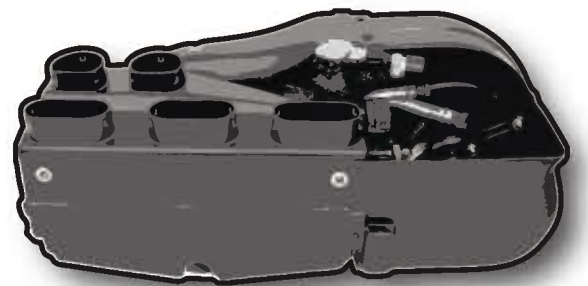


To Alternator
See Page 7



See Page 5
For BATT Connection

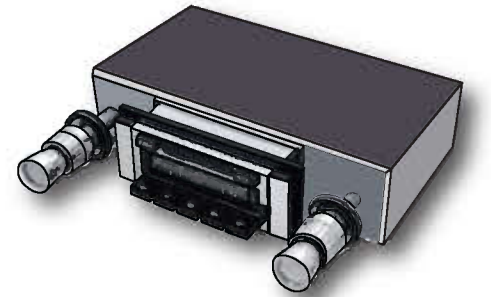
FUSED SIDE UNFUSED SIDE



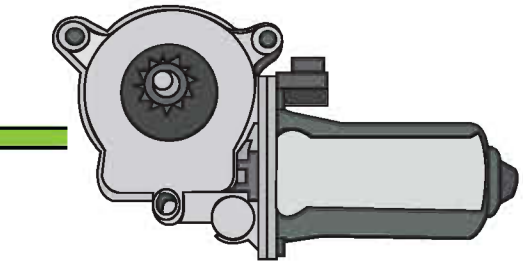
Heater/ AC



Wipers



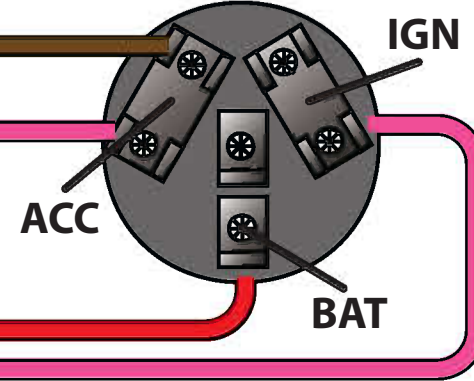
Radio



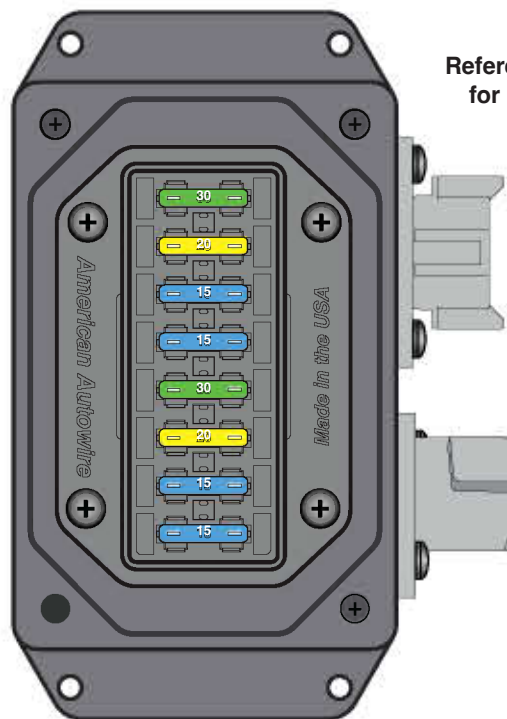
Power Windows

Reference 520025 Instructions
for proper terminal usage
and locations

Ignition Switch



The ACC panel has a split
bus bar system
meaning it can be wired
with two unique
circuits to be decided by
the installer. Both bus in
this example are wired to
ACCESSORY.



Part Number 520025
(Sold Separately)



Connections from Track20 to AAW Switch and Relay Panels

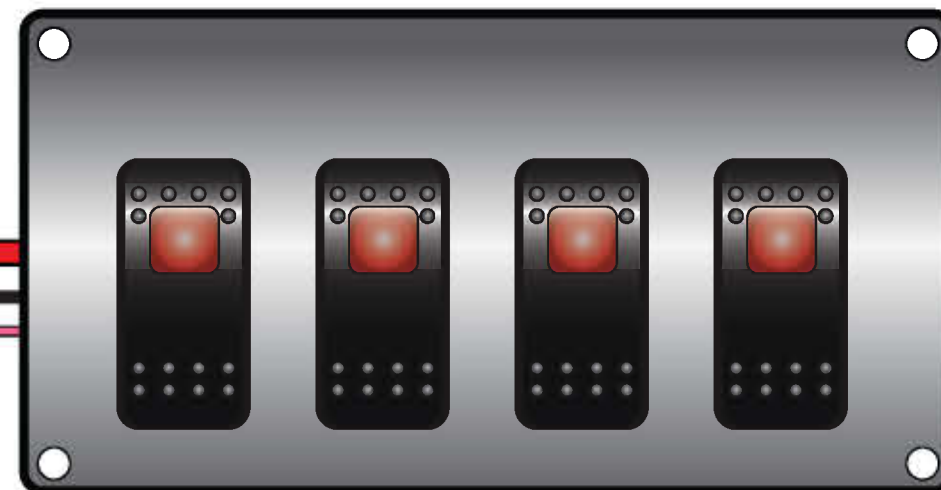
Electric fuel pump with on/off rocker switch control.



B

Plug into any one of the following:
6,9,17,19
Connector 1

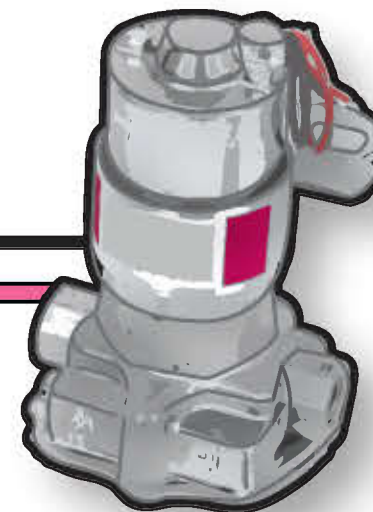
510919 - 4 Way Rocker Switch Panel
Brushed Aluminum Finish



Ground

Electric Fuel Pump

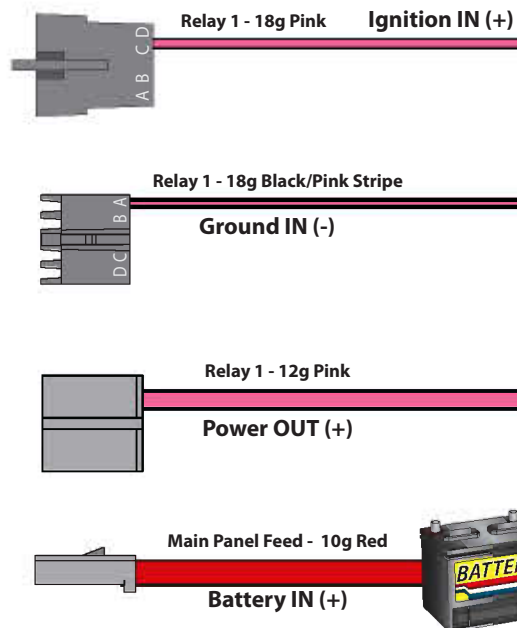
Ground



510920
Relay Panel



Harnesses supplied with Relay and Switch panels



520020

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Connections from Track20 to AAW Switch and Relay Panels

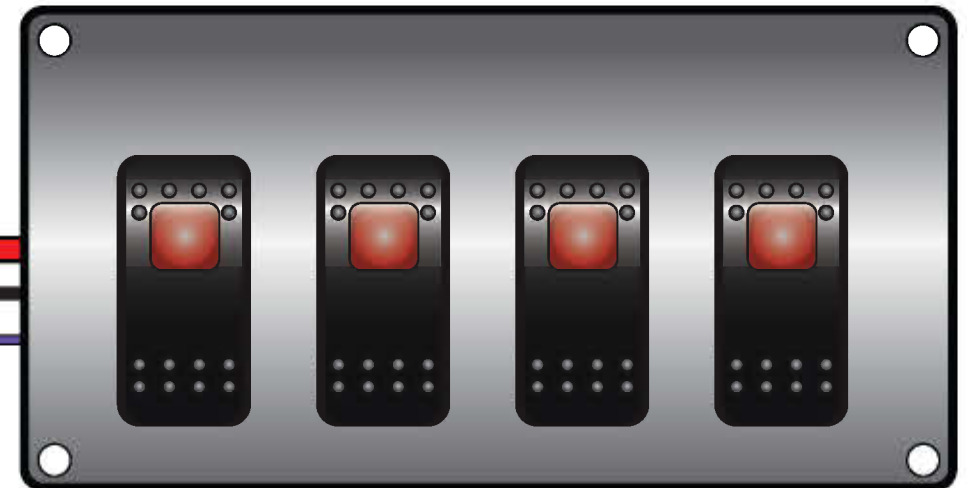
Electric fan connection with temperature switch and manual override.



B

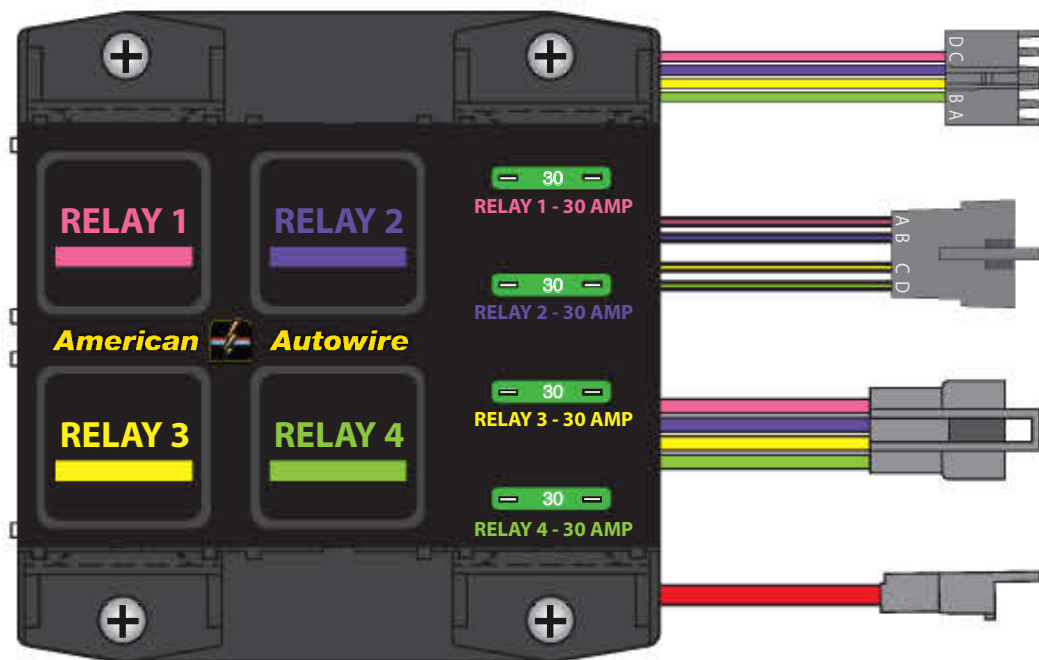
Plug into any one of the following:
6,9,17,19
Connector 1

510919 - 4 Way Rocker Switch Panel Brushed Aluminum Finish

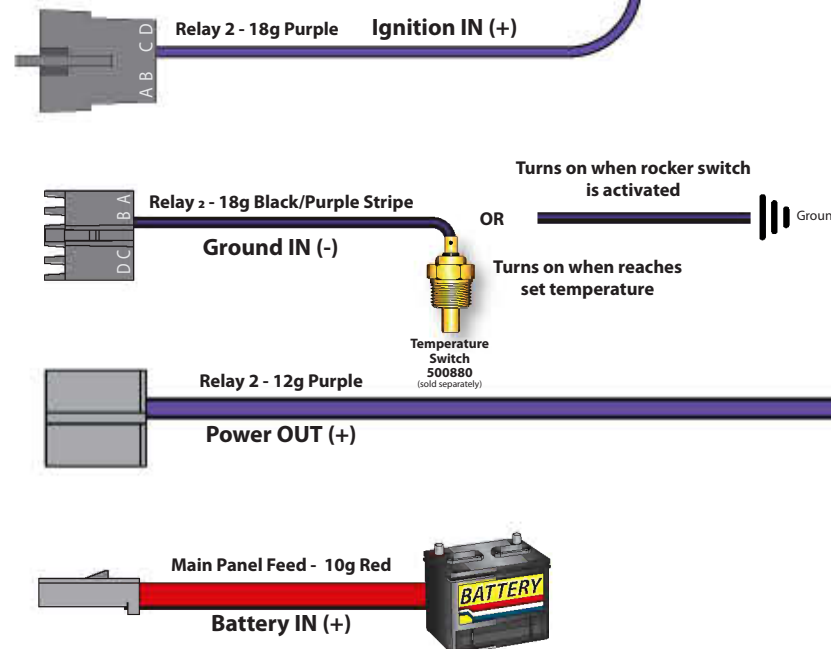


Ground

510920 Relay Panel

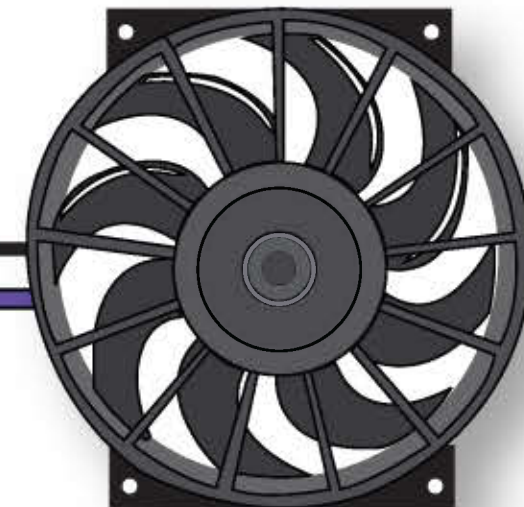


Harnesses supplied with Relay and Switch panels



Ground

Electric Fan



520020

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Connections from Track20 to AAW Switch and Relay Panels

Electric fan connection with ECU control using ground trigger

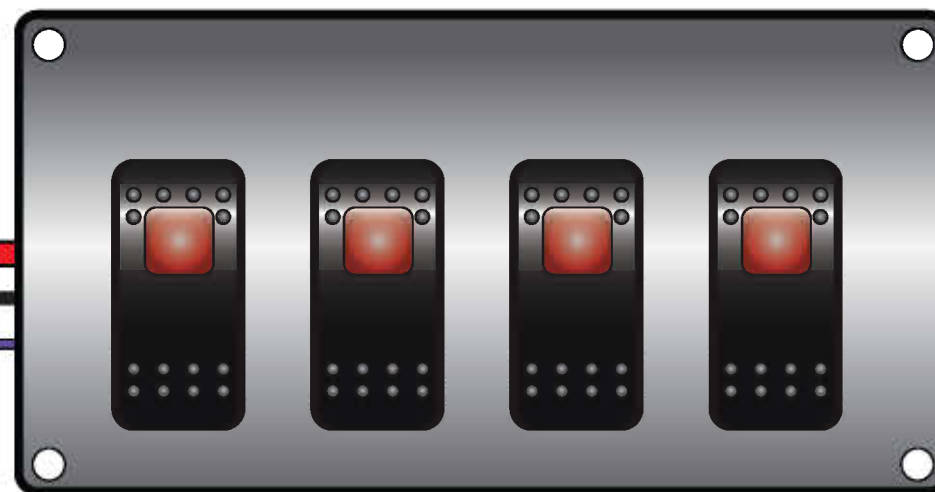


B

Plug into any one of the following:
6,9,17,19
Connector 1

Ground

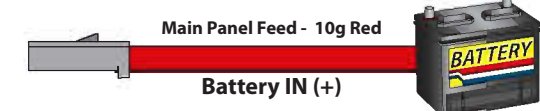
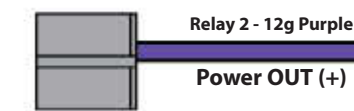
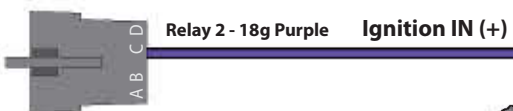
510919 - 4 Way Rocker Switch Panel Brushed Aluminum Finish



510920 Relay Panel

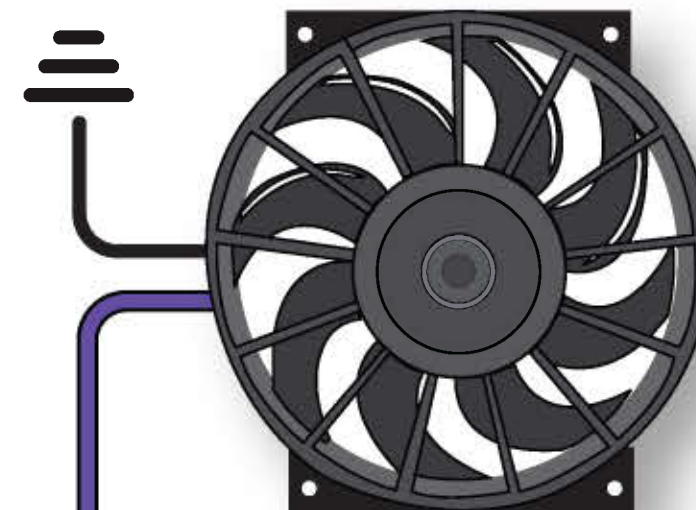


Harnesses supplied with Relay and Switch panels



Ground

Electric Fan



520020

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510920

4 Relay Panel. Includes 4 - 30 amp relays and supporting wiring harness



510922

6 Relay Panel. Includes 6 - 30 amp relays and supporting wiring harness



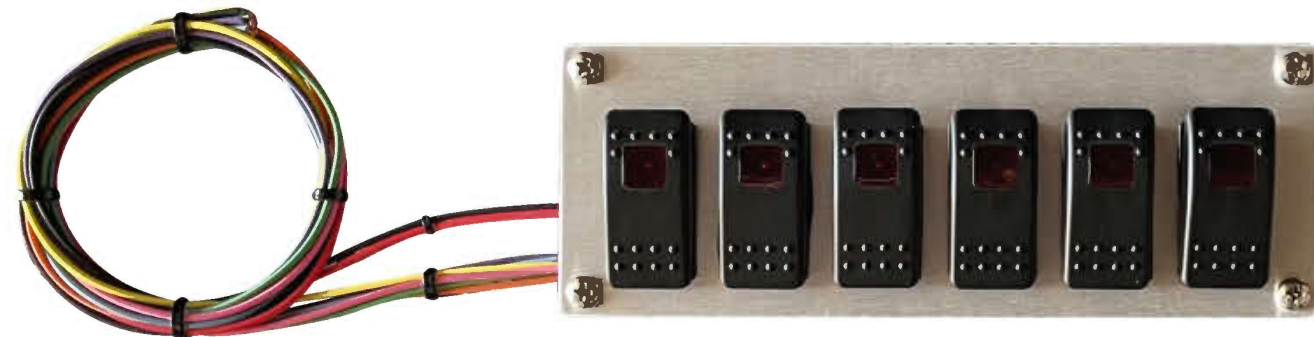
510924

8 Relay Panel. Includes 8 - 30 amp relays and supporting wiring harness



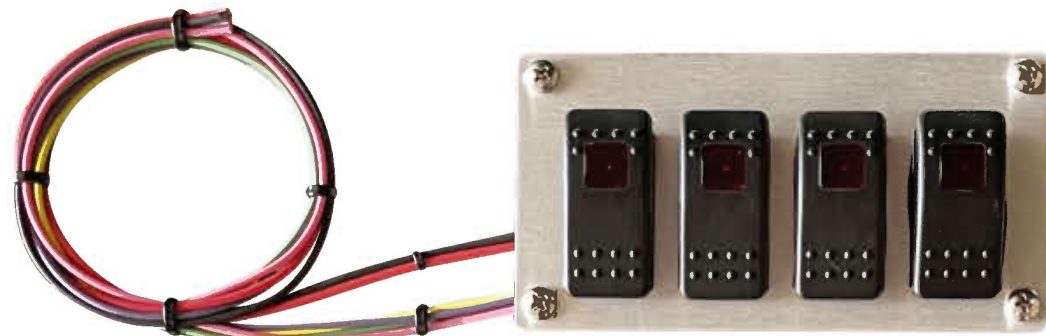
510923

8 Position On/Off Switch Panel with brushed aluminum bracket



510921

6 Position On/Off Switch Panel with brushed aluminum bracket



510919

4 Position On/Off Switch Panel with brushed aluminum bracket



520020

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Supporting Parts and Accessories

Battery Cables



520030
Relay Panel. Includes LED Turn signal and Hazard flasher as well as a Horn relay. This panel adds street friendly functions to Track20 projects.



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.



500723
Top Post w/neg. secondary 10 ga. lead (36" long), cables, lugs, crimping tool



500724
Side Post w/ cables, lugs, crimping tool

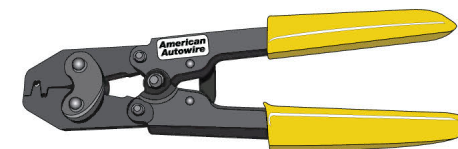


500725
Top Post w/neg. secondary 10 ga. lead (36" long), cables, lugs, crimping tool

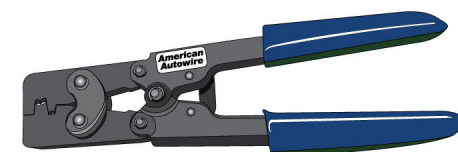


500726
Side Post w/ cables, lugs, crimping tool

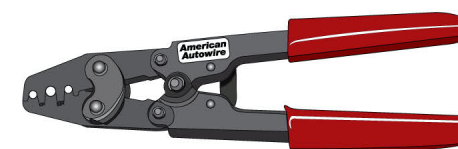
Tools



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)



520045
Deutsch Terminal Removal Kit (8, 12 & 16 Series Terminal)



520020

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520041
 HD20 Series, 19 pos.
 M,F Disconnects
 w/Terminals,
 Washer and Nut
 6 - Size 12
 13 - Size 16



520049
 DT Male Terminal
 Size 12
 Pack of 10



520042
 HD20 Series, 9 pos.
 M,F Disconnects
 w/Terminals,
 Washer and Nut
 2 - Size 8
 2 - Size 12
 5 - Size 16



520050
 DT Female Terminal
 Size 12
 Pack of 10



520043
 DT Series, 4 pos.
 M,F Disconnects
 w/Terminals,
 Lock Wedges
 4 - Size 12



520051
 DT Male Terminal
 Size 16
 Pack of 10



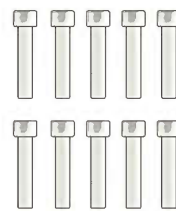
520044
 DT Series, 8 pos.
 M,F Disconnects
 w/Terminals,
 Lock Wedges
 8 - Size 16



520052
 DT Female Terminal
 Size 16
 Pack of 10



520040
 DT Series, 12 pos.
 M,F Disconnects
 w/Terminals,
 Lock Wedges
 12 - Size 16



520046
 DT Cavity Plug
 Size 12 and 16
 Pack of 10

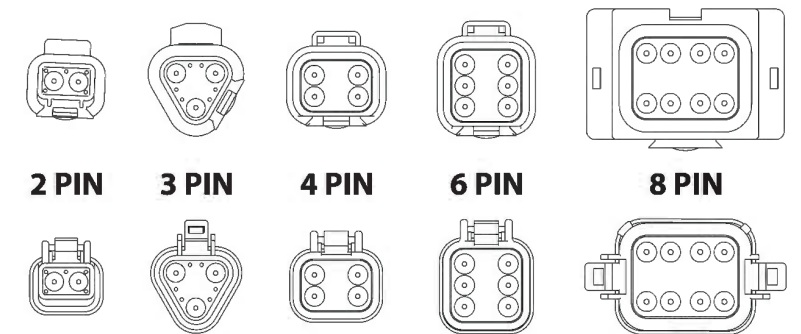


520003
 Open Barrel Deutsch Terminal
 and Connector Kit

-Kit includes Male and Female
 Disconnects and Terminals for:
 -2 Position
 -3 Position
 -4 Position
 -6 Position
 -8 Position

Deutsch Connector and Terminal
 Male and Female Connectors with Terminals

- 520004** - 2 Position
- 520005** - 3 Position
- 520006** - 4 Position
- 520007** - 6 Position
- 520008** - 8 Position



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