



PRO SERIES PLUG & PLAY PROMAX WIRING HARNESS

PART NUMBERS: 12-11200-Plug & Play ProMax Pro Series Harness

INSTALLATION INSTRUCTIONS

The ProMax Plug-N-Play Wiring Harness provides a simple solution to a hassle free and professional installation. This harness is available in 16 different system configurations and designed to universally adapt to any car or truck. The ProMax Plug-N-Play Harness supplies the nitrous system as well as all the commonly used system accessories. Below is a list of all the features that the ProMax Plug-N-Play Harness provides an easy wiring solution for.

- Progressive Nitrous System Control
- Dual Stage or Single Stage AFR
- Switch Panel
- Nitrous System Purge
- Dedicated Fuel System
- Up to Two Remote Bottles Openers
- Up to Two Bottle Heaters
- Nitrous Pressure & Fuel Pressure Sensors
- Nitrous Pressure & Fuel Pressure Safety Switch
- Inputs for TPS, WOT, Vehicle Speed, Trans Brake, Map and Engine RPM

The ProMax Plug-N-Play Harness was designed to universally fit most cars and trucks. Various portions of the harness are DIY style and require certain procedures for adapting to the nitrous system and accessories. Before any of the harness installation can begin you must install all the nitrous system components. This Plug-N-Play installation guide contains detailed colored wiring diagrams with illustrations and synchronized connection carts to aid in the ease of installation. a list of all the essential needed tools to complete the installation.

Note: Each sub-assembly harness is identified by a part number and alphabetical connector lettering for the ease of adapting during the installation process. Once the installation is complete you may proceed to the ProMax programming procedure via Nitrousoutlet.com/Technical Support/Installation Guides or contact our #1 Customer Rated Tech Line at (254-848-4300) with any questions you may have.



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Essential Tools for Installation



Nitrous Outlet prt# 12-00006 Expandable loom installation tool
(Installation tool Included)



Nitrous Outlet prt# 12-00015 Crimper tool



Industrial Grade Hot Knife Rope Cutter



Industrial Style Scissors



Miniature Needle Nose Pliers



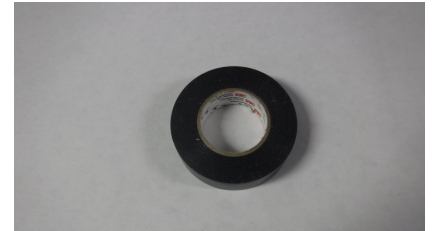
60/40 Rosin Core Silver Solder



Side entry Wire Strippers



Bull Nose Wire Cutters



3M Temflex 165 Electrical Tape



Heat Gun 1200 Deg.
Soldering Iron/Gun

- Molex Terminal Wire Crimpers (Nitrous Outlet part #12-00015)
- 1 1/2 Hole saw Drill Bit and any Cordless or Corded Drill
- Standard Heat Gun
- 60/40 Rosin Core Tin Solder
- Electric Rope Cutter Hot Knife
- Soldering Iron or Gun
- Standard Hand Tools used for Interior panel removal and replacement
- Wire Cutters, Wire Strippers, Heavy Duty Scissors
- Expandable Loom Installation tool (Nitrous Outlet part #12-00006)
- 3M Temflex 165 Vinyl Electrical Tape



1 1/2 Hole Saw Bit
Cordless/Corded Drill

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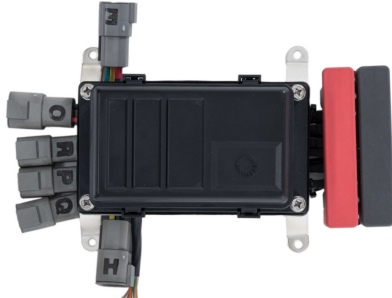
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PDA Mounting

- Step 1: Disconnect the vehicle battery cables, remove the ground first and positive last.
- Step 2: Locate the PDA Assembly (12-11200-PDA). Determine the mounting position in the engine bay, insuring it is away from any extreme heat or moving parts to prevent damage to the unit.
- Step 3: Mount the PDA
- Step 4: Determine the closest location to the PDA to drill a hole through the firewall for a pass through for the harness sub-assemblies. Then Drill a 1 1/2" Size hole and install the supplied 3/4" rubber grommet



ProMax Harness Routing

- Step 1: Install the 3 Way wiring connector on the 10-gauge green, yellow, and black wires protruding from the ProMax Controller. See Connector Installation on page 11.
- Step 2: Locate harness 12-11200-PLH and plug the end with the black connector into the ProMax controller.
- Step 3: Locate harness 12-11200-CH and connect the A connector to the A connector on harness 12-11200-PLH. Then route the harness towards the firewall pass through.
- Step 4: Locate harness 12-11200-SCH and connect the B connector to the B connector on the ProMax Controller. Then route the harness through the firewall pass through into the engine bay and connect the E connector to the E connector on the PDA.
- Step 5: Locate harness 12-11200-TP and 12-11200-EH. These harnesses are DIY and will require assembly to complete. See sleeving and connector installation on pages 10 and 11.
- Step 6: Harness 12-11200-EH, The C connector will connect to the C connector of harness 12-11200-CH. Then the harness will route to the TPS, WOT, Engine RPM, Vehicle Speed and Map connection points in the cabin or through the firewall into the engine bay. Cut to length, sleeve and terminate. See Nitrous Outlet Website, Technical Support, Pin Out Reference Charts to help locate proper vehicle sources. See WOT Connection Installation on page 8 for non TPS Related installations.
- Step 7: Harness 12-11200-TP, The D connector will connect to the D connector of harness 12-11200-CH. Then the harness will route to the connection point of the trans brake push button switch or to the clutch switch of the vehicle - see page 7 for clutch switch related installations.



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Step 8: Locate harness 12-11200-TOH and 12-11200-SPH. These harnesses are DIY and will require assembly to complete. See sleeving and connector installation on pages 10 and 11.

Step 9: Harness 12-11200-TOH, The G connect will connect to the G connector on harness 12-11200-CH. Then route the harness to the timing control box which can be in the cabin or through the firewall into engine bay. Cut to length, sleeve and terminate.

Step 10: Harness 12-11200-SPH, The F connector will connect to the F connector on harness 12-11200-CH. Then route the harness through the firewall pass through into the engine bay. Connect the black wire with the eyelet end terminal to the battery ground buss bar the PDA. (12-11200-PDA).

Step 11: Locate harness 12-11200-SPCH and connect the H connector into the H connector located on the PDA assembly. Then route the harness to the Nitrous and Fuel Solenoids.

Sensor Harness Routing

Step 1: Locate harness 12-11200-NPSH and connect connector I to I connector on harness 12-11200-SPH. Then route the harness to the nitrous pressure sensor located near the nitrous solenoid. Generally, this sensor is identified as the N.P.S. #1

Step 2: Locate sensor harnesses 12-11200-PSH-8 or 12-11200-PSH-12, these part numbers will be dependent to which lay out configuration you purchased for your vehicle.

12-11200-PSH-8 = Bottle Located Middle of Vehicle

12-11200-PSH-12= Bottle Located Rear of Vehicle

12-11200-PSH-8 = Dedicated / FPS Engine Bay Location

12-11200-PSH-12= Dedicated / FPS Rear Vehicle

Step 3: Harness 12-11200-PSH-8 or 12-11200-PSH-12. Connect connector J to connector J on harness 12-11200-SPH. Then route this harness to the nitrous pressure sensor located near the bottle and connect to the sensor. Generally, this sensor is identified as the N.P.S. #2

Step 4: Harness 12-11200-PSH-8 or 12-11200-PSH-12. Connect connector K to connector K on harness 12-11200-SPH. Then route this harness to the fuel pressure sensor located at the fuel solenoid or dedicated fuel system and connect to the sensor.



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PDA Harness Routing



Step 1: Locate harness 12-11200-SWPH and connect the L connector to the L connector at the PDA assembly. Then route the harness through the firewall passthrough, into the cabin and connect to the switch panel. The terminal ends are labeled for easy reference.

Step 2: Locate harness 12-11200-SPPG and connect the labeled terminated ends to the switch panel. Then route the harness to the vehicle's keyed power source and known good chassis ground source. Cut the harness to length, connect the un-terminated end of the red/white wire with Fused Connector, containing a 10amp fuse to the vehicle keyed power source and connect the unterminated end of the black wire to a known good ground source. See page 9 for reference.

Note: When sourcing the 12 v keyed hot power source for the operation of the system and connection to the switch panel be sure to make sure the source is rated and protected with a minimum of 10-amp fused circuit. This process can be determined by checking the circuit placing the ignition switch in the run position without starting the vehicle. Utilize a Volt/Ohm meter to determine you have the proper amount of voltage that supplies the system and is protected by a fuse. If the circuit is not protected be sure to install an inline fuse with a 10-amp rated fuse in place.



Step 3: Locate the Nitrous Pressure Safety Switch sensor harnesses. This harness part number will be dependent on which bottle location layout configuration you purchased for your vehicle.

12-11200-NPSSH-8 = Middle of Vehicle Location

12-11200-NPSSH-12 = Rear of Vehicle Location

Connect to the M connector to the M connector located on the PDA assembly. Then route the harness through the firewall passthrough, to the nitrous bottle location and connect to the Nitrous Pressure Safety Switch. (N.P.S.S.)



Step 4: Locate the bottle heater harness. This harness part number will be dependent to which bottle location layout configuration you purchased for your vehicle.

12-11200-HCH-8 = Single Bottle, Located Middle of Vehicle

12-11200-HCH-12 = Single Bottle, Located Rear of Vehicle

12-11200-DHCH-8 = Dual Bottles, Located Middle of Vehicle

12-11200-DHCH-12 = Dual Bottles, Located Rear of Vehicle

Connect the O connector to the O connector located at the PDA assembly. Then route the harness through the firewall passthrough to the nitrous bottle.



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Step 5: Locate harness 12-11200-PCH and connect the P connector to the P connector located on the PDA assembly. Then route the harness to the purge solenoid.



Step 6: Locate the dedicated fuel system harness. This harness part number will be dependent to which dedicated location lay out configuration you purchased for your vehicle.

12-11200-DFSH-8 = Engine Bay Location
12-11200-DFSH-12 = Rear of Vehicle Location

Connect the Q connector to the Q connector located at the PDA assembly. Then route the harness to the Dedicated Fuel System. If the dedicated is located at the rear of the vehicle route the harness through the firewall passthrough to the dedicated. Make the final connection to the fuel system pump.



Step 7: Locate the remote bottle opener harness. This harness part number will be dependent to which nitrous bottle location lay out configuration you purchased for your vehicle.

12-11200-RBOH-8 = Middle of Vehicle Location
12-11200-RBOH-12 = Rear of Vehicle Location

Connect the R connector to the R connector located at the PDA assembly. Then route the harness through the firewall passthrough to the bottle location.



Step 8: If you purchased a harness configuration for dual bottles with dual heaters or dual remote bottle openers locate the Y harness's part number 12- 11200-DBOC. This Pigtail will allow you to connect dual Bottle Openers or dual heaters to the dedicated harnesses.



Step 9: 12-11200-IO harness is a pigtail used to connect and utilize the wideband controllers. Locate this Harness pigtail and notice it is also a DIY type harness and will need to be sleeved before the connector is installed. The 0-5 Volt analog output wire is a reference for solenoid duty cycle. Example: This can be hooked to an input on an aftermarket ECU to reference solenoid duty cycle for fuel enrichment on dry nitrous systems. Both pink and pnk/blk will be the input wires for the wideband controllers.

Step 1: Locate the 12-11200-IO Harness Pigtail. This portion of the harness is connected to the 12-11200-PLH harness connector labeled N. Connect N to N and begin to route the wires to the Wideband controllers.

Step 2: After routing the wires to the cotrollers, you can now perform the sleeving process explained in Sleeving and Connections section of this manual. Permanently mount the harness and make the proper connections needed. Refer to the ProMax Instructions for Programming and Circuit Identification and applications of each circuit.

- 5 volt analog Output Wht/Red 18 GA pin #1
- Wideband 1 Input Pnk/Blk 18 GA pin #2
- Wideband 2 Input Pink 18 GA pin #3

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Harness to Component Connections

- Step 1:** TPS, WOT, Engine RPM, Vehicle Speed and Map connections Utilizing the Nitrous Outlet Promax Controller Instructions make your final connections points to the vehicles TPS, WOT, Engine RPM, Vehicle Speed and Map Sensors.
- Step 2:** Nitrous Solenoid, Fuel Solenoid, Purge Solenoid, Timing controller, Dedicated Fuel Pump, Bottle Heater, and Remote bottle opener Component Connections. Reference the Nitrous System and accessory installation instructions for component side of the wiring installation. See page 10 and 11 for connector installation instructions.
- Note:** Ensure that you wire the solenoids to match the configuration you intend to use with the Promax Controller. AFR Mode and Basic Two Stage mode require different wiring configurations. Please refer to the ProMax Instructions for the wiring diagram corresponding to your chosen mode.

Harness to Component Connections

Clutch Switch

Trans-Brake or Two Step activation is depending on the type of Transmission you have. If you have a standard transmission, you will be using the trans-brake input wire and wiring it to your clutch switch. This will enable the ProMax controller to monitor the clutch position either fully depressed or fully released. Below are some illustrations of wiring a clutch switch for the trans-brake input wire.



- Step 1:** Locate the clutch switch and determine the wire that outputs 12 volts or 5 volts when the clutch is depressed to the floor. Once you have determined that wire you can connect to that wire by soldering the trans-brake input wire to it and seal it with heat shrink.



- Step 2:** If you have a clutch switch with two wires in the connector and it's utilized as a clutch safety switch you can use this by establishing a 12 volt keyed hot power source on one of the wires and the trans brake input wire on the other. You must confirm a 12 volt output from the switch when the clutch is fully depressed to the floor. This can also be connected to a 2-step module with a 12 volt activation to operate the 2-step.

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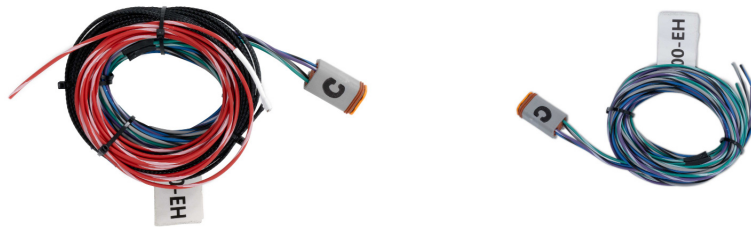
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WOT Switch Installation

Step 1: Locate the 12-11200-EH harness. Notice this has a 10' section of red/white 16 ga wire included as well as a single terminal with a shrink label. In the main portion of the ECM data portion of the harness there is a green / white wire that will need to travel to the WOT switch for connection. The remainder of the wires should be attached as instructed earlier. Temporarily route the green / white wire to the WOT switch.



Step 2: Install the terminal end on the green / white wire and then place the shrink label over the terminal and using a heat gun supply heat until label is secure on the terminal. Now install the terminal on the Wot switch and proceed to the next step.



Step 3: Locate the red/white wire attached to the 12-11200-EH harness and notice it has a terminal and shrink label on one end of the wire. This wire will need to be connected to the WOT switch and routed back to a predetermined 12 volt keyed hot source of power. This may be done at the switch panel arm switch on the output side, or a keyed hot fuse protected circuit of at least 10 amps.



Step 4: Once the connections have been made and the wires are properly routed away from any extreme heat or moving parts. Be sure to program your ProMax for the proper application of using the WOT switch and the proper voltage setting all explained in the ProMax Programming Instructions.

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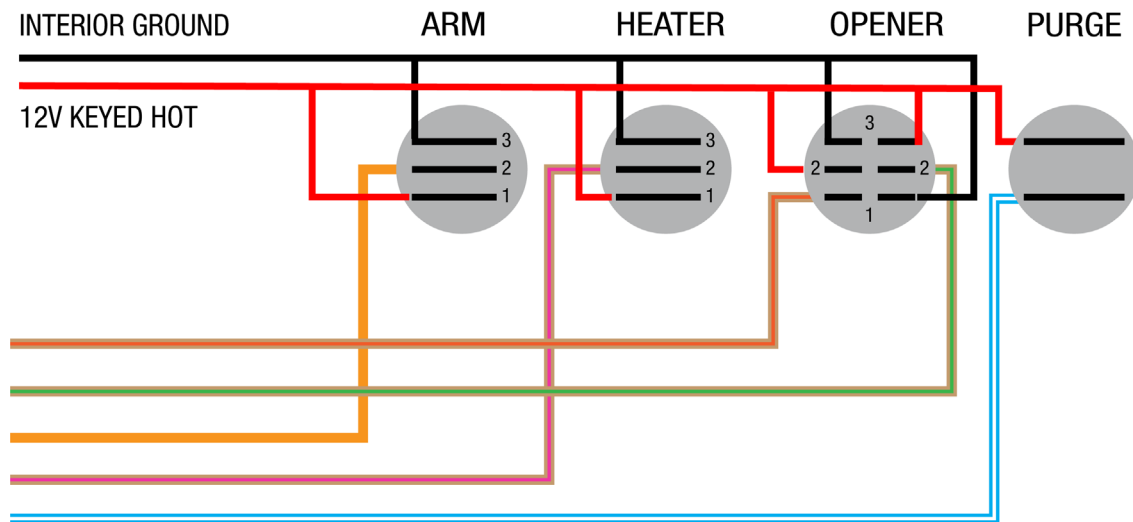
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Switch Panel Connections

Connecting the switch panel power and ground source with harness 12-11200-SPPG. First locate a 12 volt keyed hot power source in the interior cabin of the vehicle. To determine this by using a test light or a volt meter, locate the wire or terminal in the fuse panel by probing and performing a key cycle from the off position to the run position. once the Key is in the run position you should have a bright light and have a minimum of 12 volts. Also start the vehicle and make sure that wire stays active with the 12 volts while the vehicle is running. This terminal or wire will be the circuit you connect the red/wht 16 ga wire to for the switch panel. The black 16 ga wire will need to be attached to a known good ground. Once the connections have been completed you may cycle the Key to the run position, then activate the Arm switch to verify operation of the switches in the panel. A fuse holder and a 10 amp fuse have been provided in the accessory pack for the power source on the fuse panel.



Battery Power and Ground Connections:



- Step 1: Locate the PDA Assemblies 6 Gauge Positive cable and Ground cable. Connect the red cable onto the PDA positive main power terminal. Then connect the black cable to the PDA main ground terminal.
- Step 2: Route the PDA main power and ground cables to the vehicle battery, taking precaution to avoid any extreme heat or moving parts to prevent any premature damage.
- Step 3: Attach the PDA power cable to the battery positive and re connect the terminal to the battery.
- Step 4: Attach the PDA ground cable to the battery ground and re connect the terminal to the battery.

Now that all the connections are complete, reference the ProMax controller installation instructions for the proper programming steps. Then reference each of the system accessory instructions to adjust pressure switches and ensure each system accessory is functioning properly.

Once you have verified everything is functioning properly you can re-assemble the vehicle interior panels.

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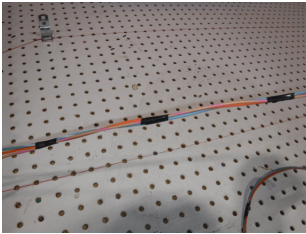


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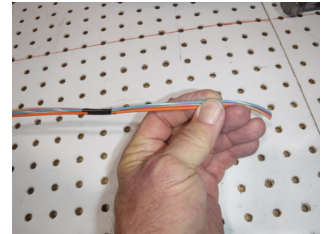
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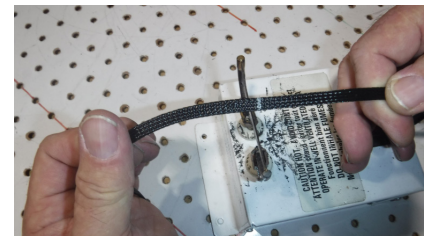
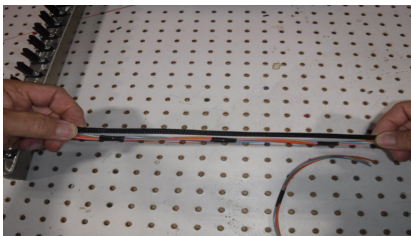
Sleeving and Connections



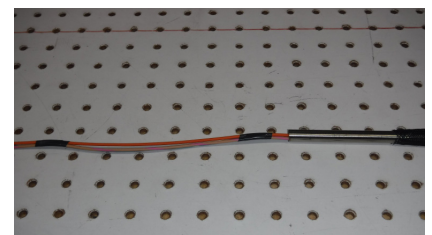
Step 1: Once the length of the wire(s) has been determined, start by taping the wires together 5-8 inches apart until you reach the end of the wires leaving at least 4 inches untaped. When performing the taping procedure apply 1 1/2 - 2 rounds of tape per section.



Step 2: Next you must determine the length of the expandable loom to cover the wires. Simply start at the beginning of the harness holding the wires and the beginning of the loom to the outside of the wires. Slide down the wires stretching the loom at the same time until you reach the end. Mark the loom with a grey sharpie at the end of the wires on the loom. Depending on the number of wires you are covering will cause the loom to be shorter than the original length you cut and marked once the loom is installed over the wires. Use the Hot Knife to cut the Loom



Step 3: Next you will slide the loom onto the installation tool. Once the loom is placed over the tool completely, Now holding the tool insert the wires in the open barrel of the tube and slide the wires in until they will not travel anymore. In one swift movement slide the loom onto the full length of the wires. Position the loom in the center of the wires leaving equal lengths of uncovered wire on each end. The Nitrous Outlet prt# 12-00006 Expandable loom installation tool ¹



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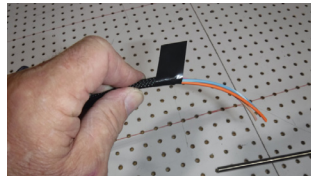
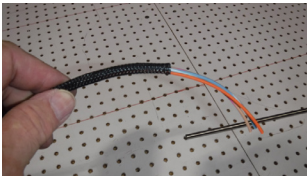
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Sleeving and Connections - con't:

Step 4: On each end of the loom, you will apply 1 1/2 -2 rounds of tape covering half of the loom and half of the wires. Tape the beginning and then stretch the loom by gripping in hand and sliding to the opposite end, then apply the tape. Place a 2 inch piece of Heat Shrink over the center of the tape and using a heat gun apply heat to the shrink. Take extra precautions when heating the shrink to prevent damage to the loom. Install the terminals and connectors in the following steps.



Wiring Terminal Installation

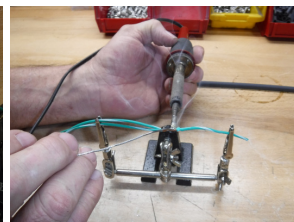
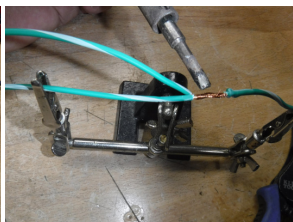
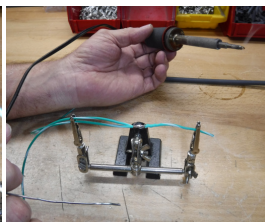
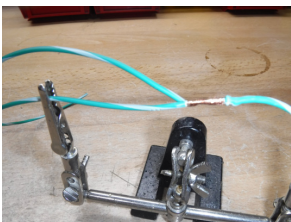
The following Steps illustrate and explain installing the terminals on the wires and mating to the connectors.

Step 1: Using wire strippers remove a small portion of the wire coating to expose bare wire. Choose the terminal you are installing and the proper terminal crimper. You may purchase the wire crimper from Nitrous Outlet part # 12-00015. Place the terminal on the bare wire and using the crimper compress the terminal on the wire. Continue the same process on all the wires to be terminated. Locate the proper connector to be mated to the terminal and fully seat the terminal in the connector until it stops, and you will feel a click. Locate your wedge lock to secure the terminals in the connector and install using a small pair of needle nose pliers. Give the wires a slight tug from the back of the connector to ensure they are seated properly in the connector and secured.



Data Input Connections

Making your Data Input connections for the ECU Inputs. We recommend that this be done by soldering your connections and using heat shrink to cover the connection. Notice the Glue Shrink Tubes provided in the system you ordered in the accessory pack with all the connectors.

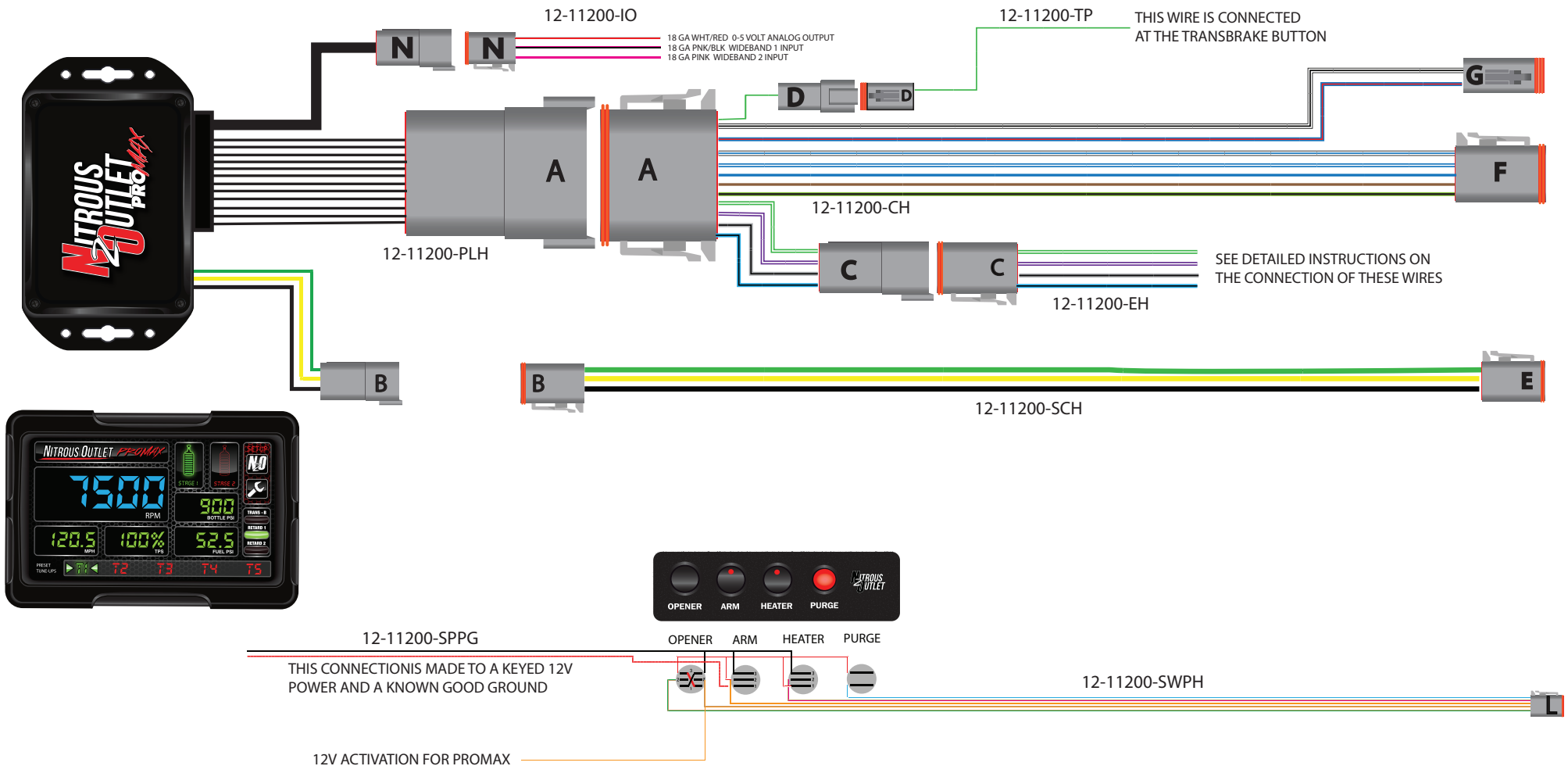


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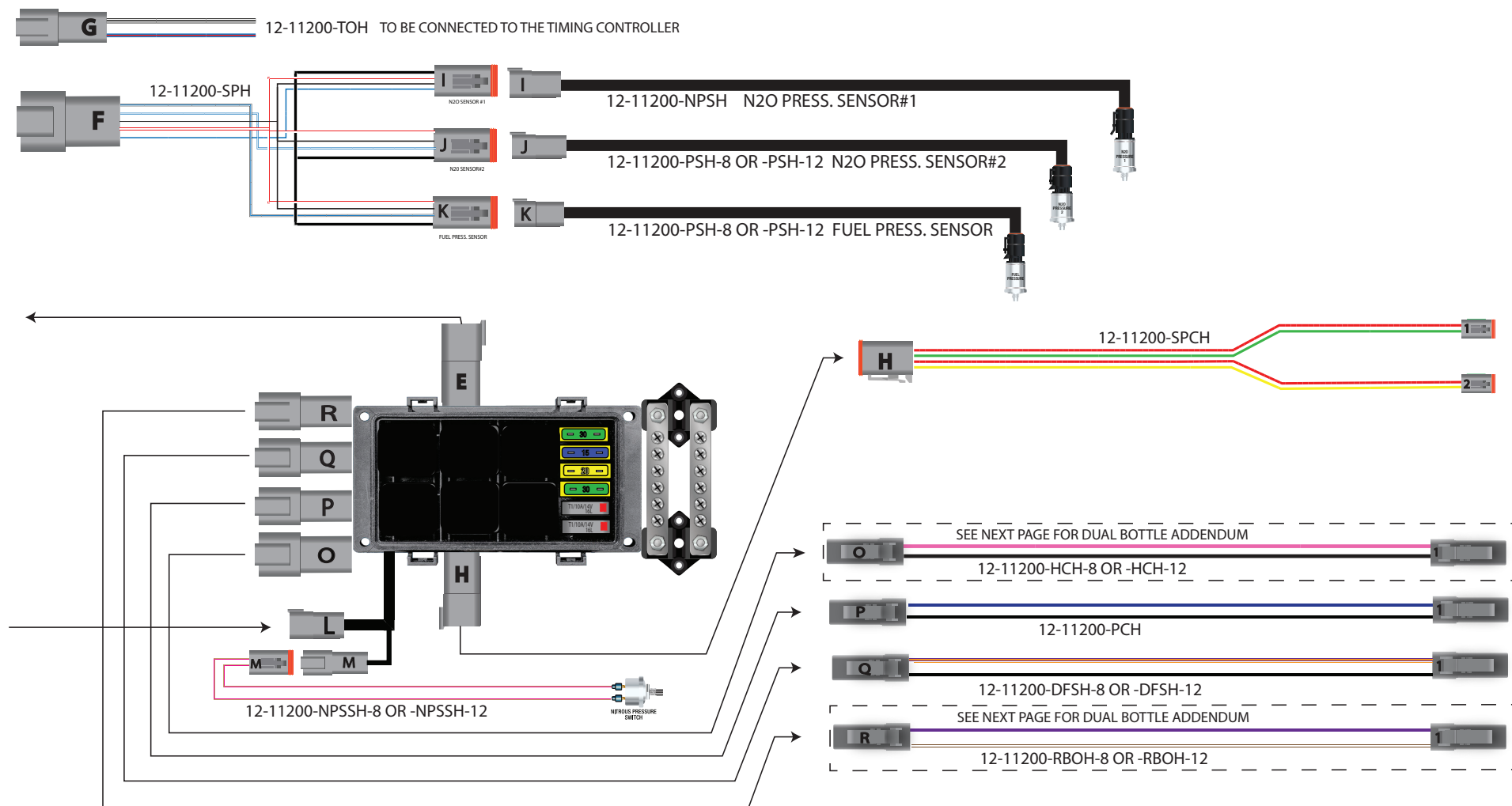
PROMAX SUB ASSEMBLY CONNECTION CHARTS AND DIAGRAM



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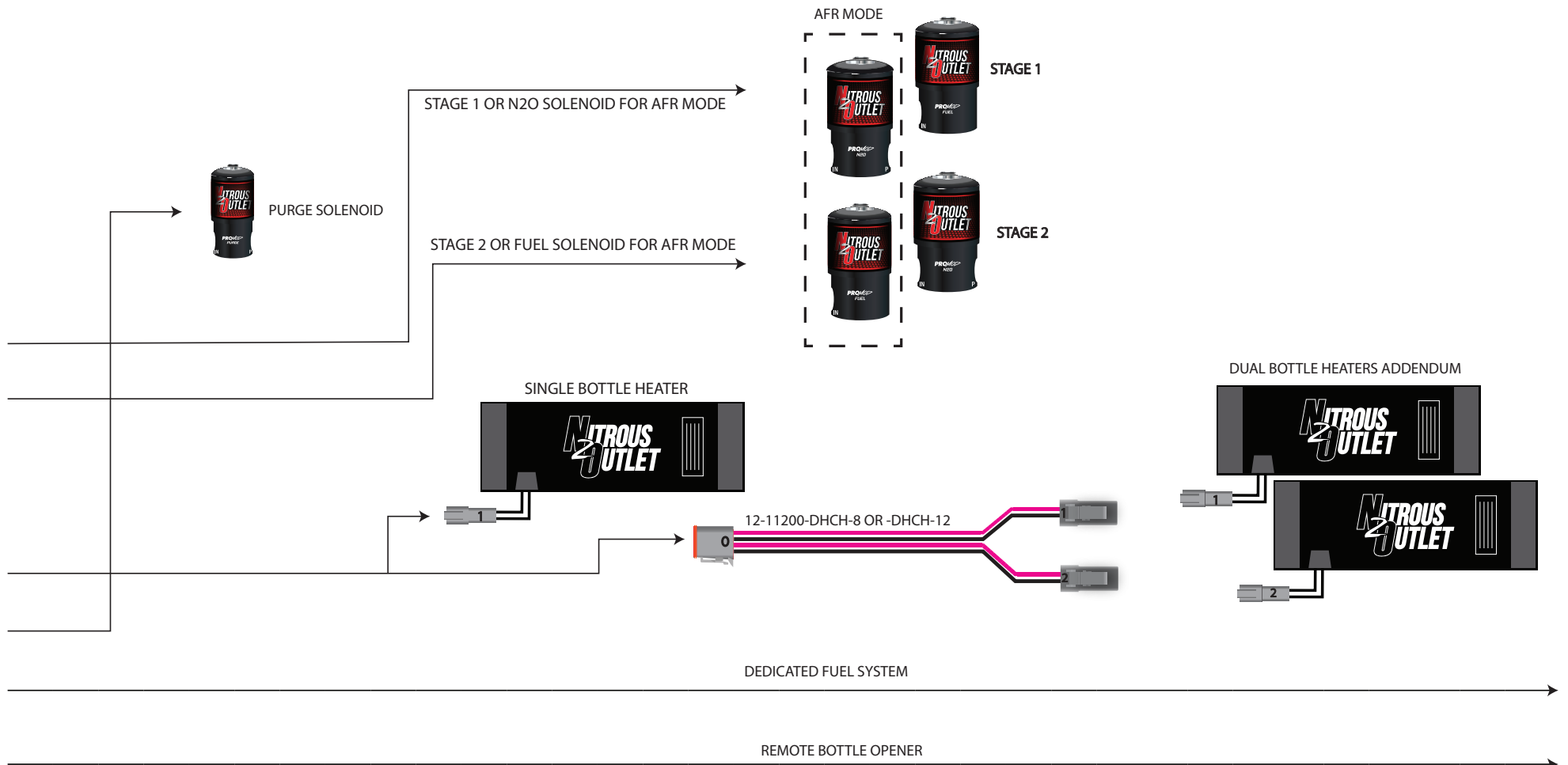
PROMAX SUB ASSEMBLY CONNECTION CHARTS AND DIAGRAM



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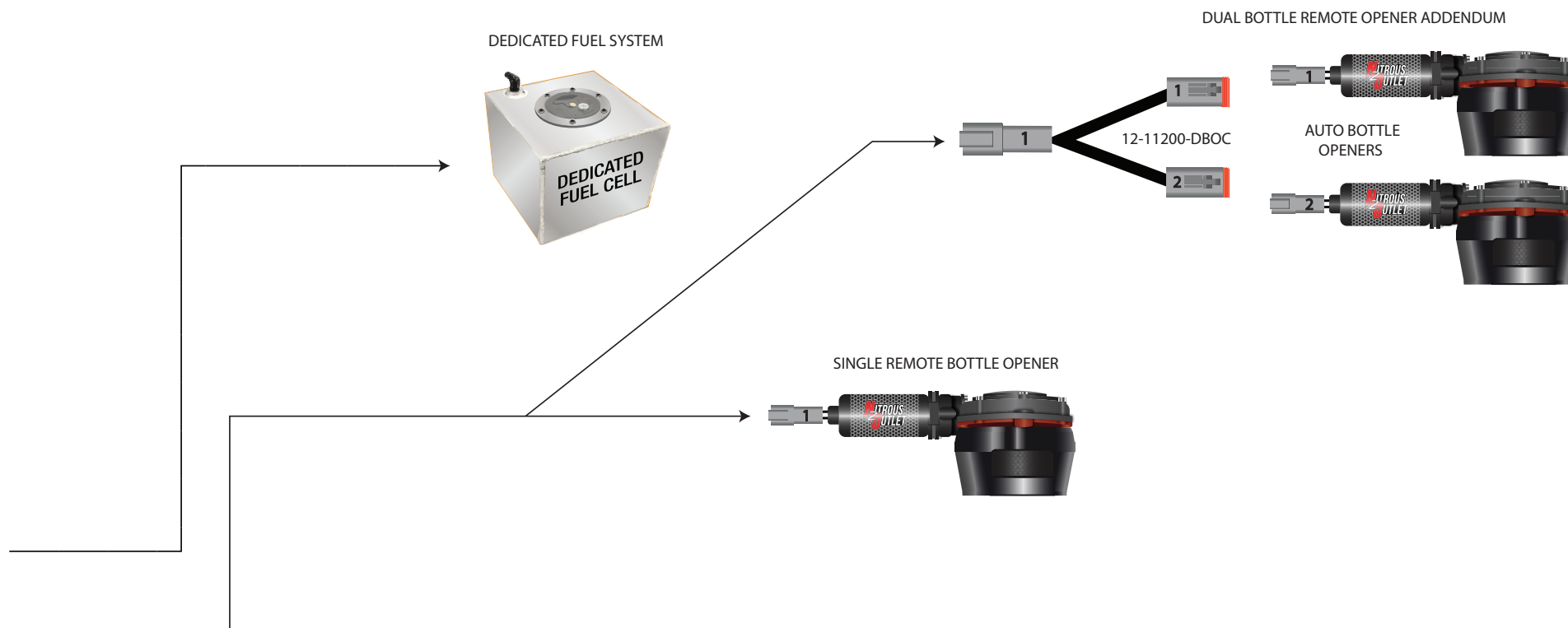
PROMAX SUB ASSEMBLY CONNECTION CHARTS AND DIAGRAM



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PROMAX SUB ASSEMBLY CONNECTION CHARTS AND DIAGRAM

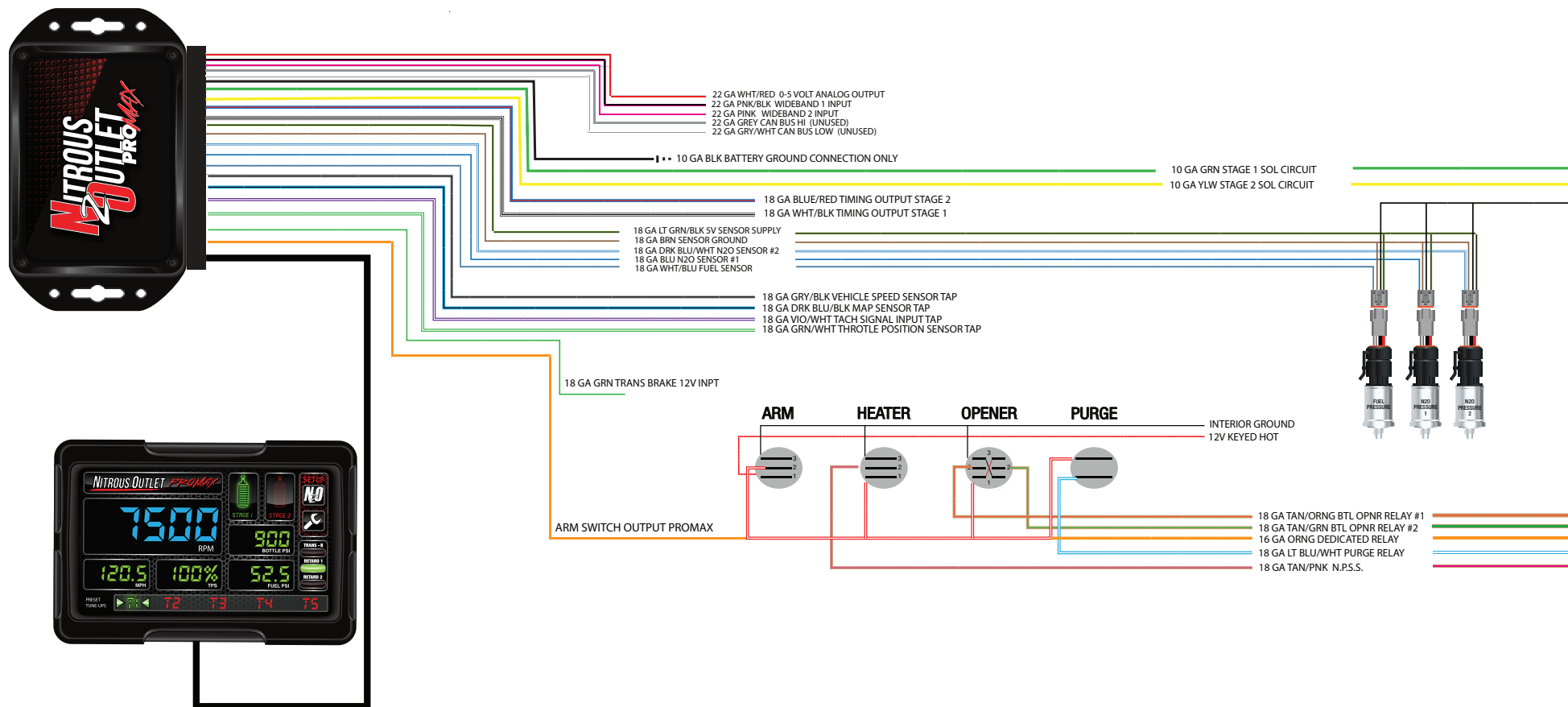


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PRO-SERIES PLUG & PLAY SYSTEM WIRING HARNESS

12-11200-PROMAX

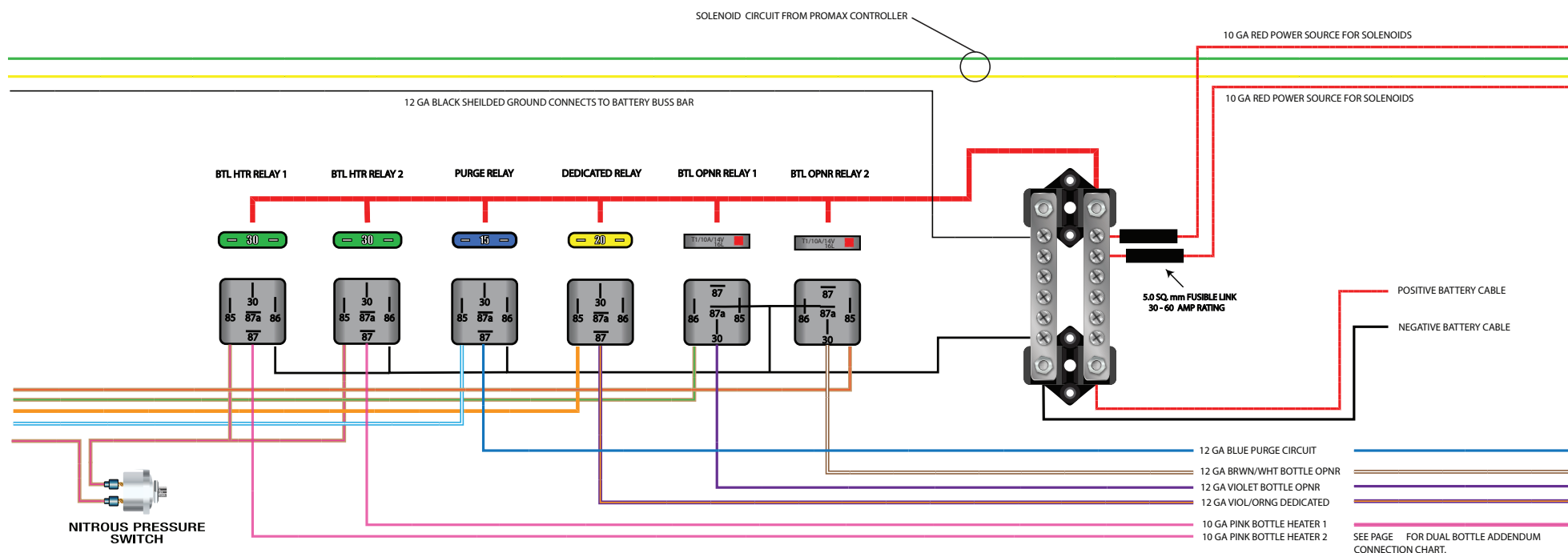


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PRO-SERIES PLUG & PLAY SYSTEM WIRING HARNESS

12-11200-PROMAX

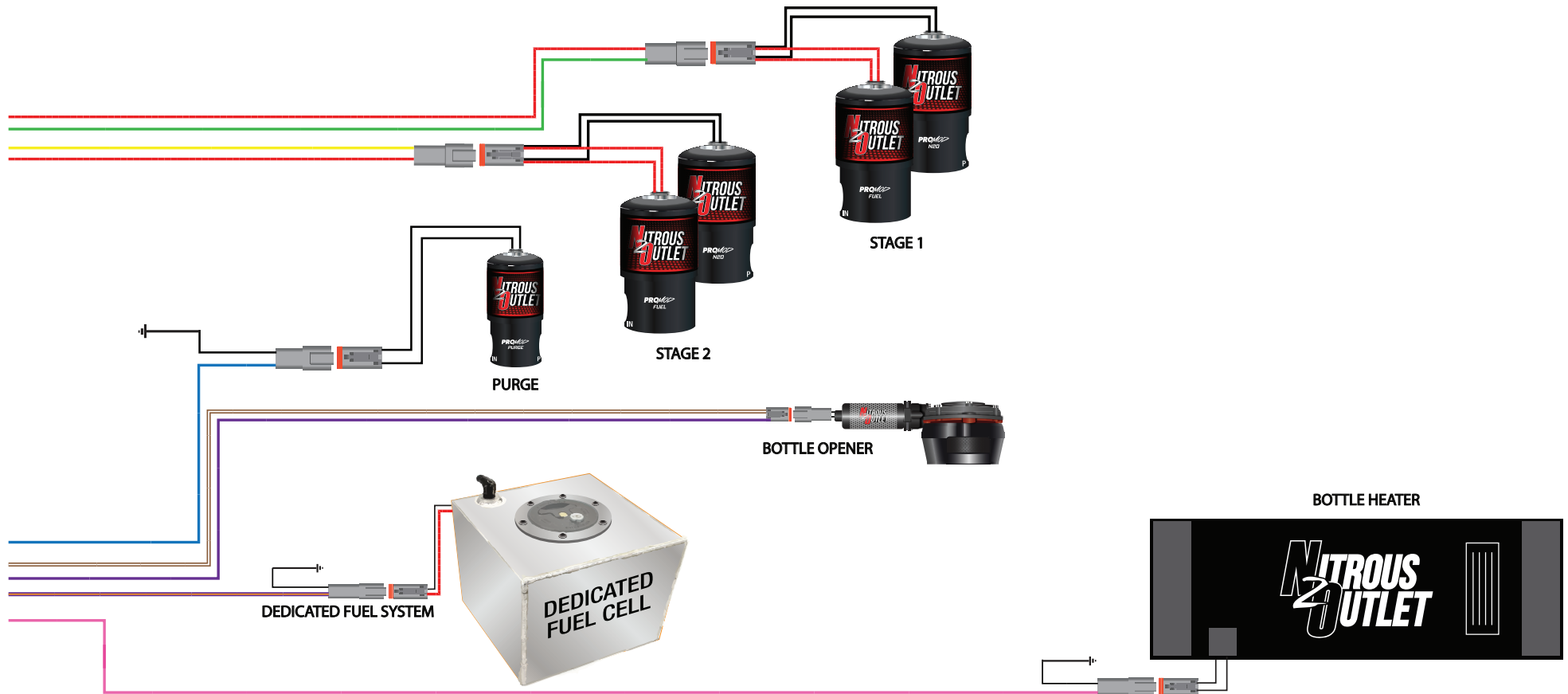


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PRO-SERIES PLUG & PLAY SYSTEM WIRING HARNESS

12-11200-PROMAX

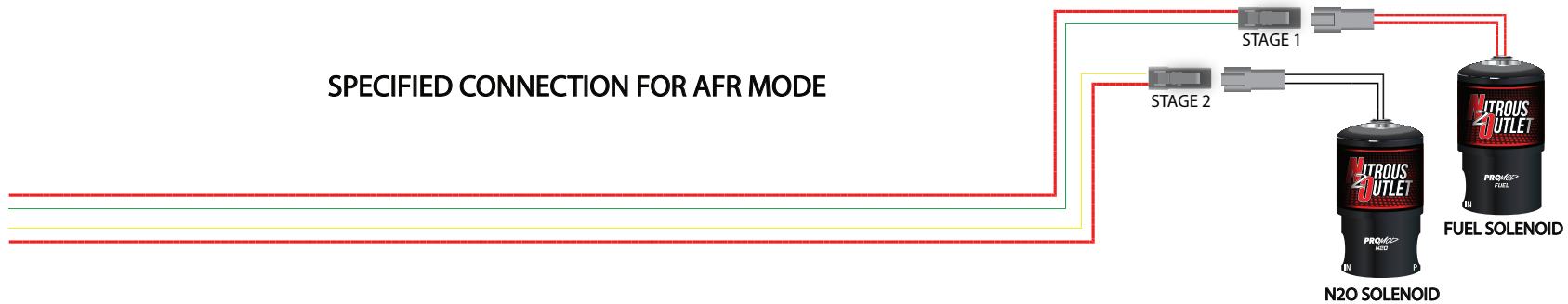


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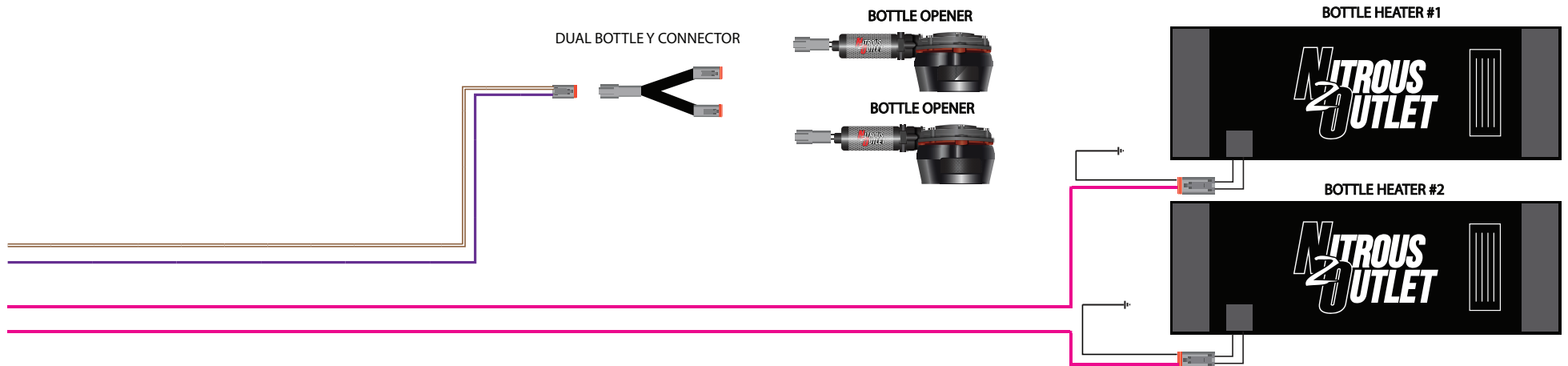
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PRO-SERIES PLUG & PLAY SYSTEM WIRING HARNESS

12-11200-PROMAX



DUAL BOTTLE ADDENDUM

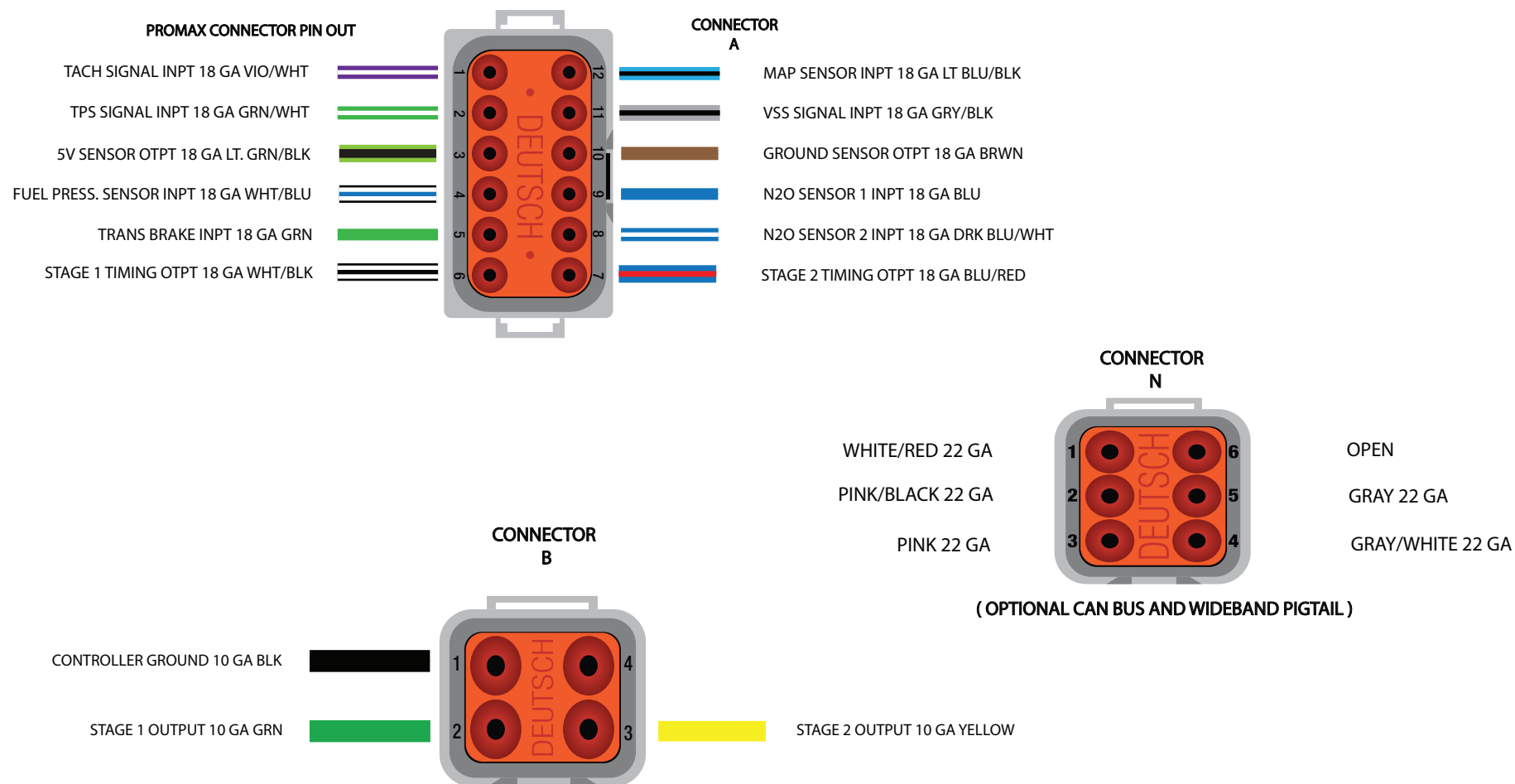


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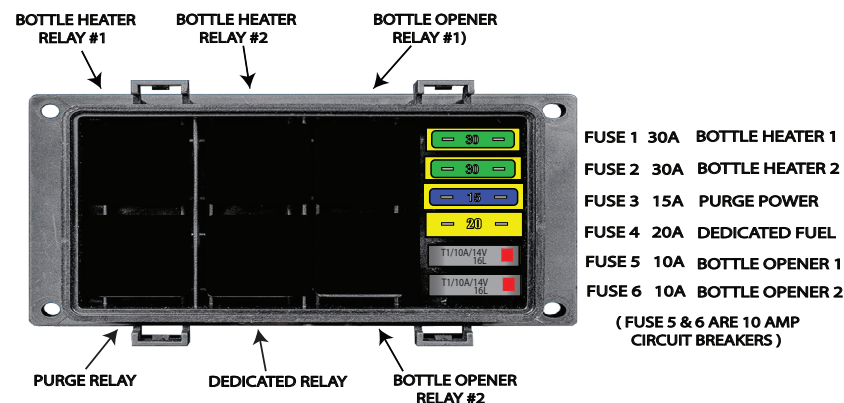
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PRO-SERIES PLUG & PLAY SYSTEM WIRING HARNESS

12-11200-PROMAX

12-12000 PLUG & PLAY PROMAX WIRING PIN OUT SHEET		
RELAY AND FUSE CENTER PDA (POWER DISTRIBUTION ASSEMBLY)		
BOTTLE HEATER RELAY #1		
PINK	10 GA	PIN 87 RELAY 1 - CONNECTOR O PIN
RED	10 GA	PIN 30 RELAY 1 - 30 AMP FUSE #1
TAN/PINK	16 GA	PIN 85 RELAY 1 - CONNECTOR M PIN 2
BLACK	16 GA	PIN 86 RELAY 1 - BATTERY GROUND BUSS BAR
BOTTLE HEATER RELAY #2		
PINK	10 GA	PIN 87 RELAY 2 - CONNECTOR O PIN
RED	10 GA	PIN 30 RELAY 2 - 30 AMP FUSE #2
TAN/PINK	16 GA	PIN 85 RELAY 2 - CONNECTOR M PIN 2
BLACK	16 GA	PIN 86 RELAY 2 - BATTERY GROUND BUSS BAR
PURGE RELAY		
BLUE	12 GA	PIN 87 PURGE RELAY - CONNECTOR P PIN 1
RED	12 GA	PIN 30 PURGE RELAY - 15 AMP FUSE #3
LT. BLUWHT	16 GA	PIN 85 PURGE RELAY - CONNECTOR L PIN 6
BLACK	16 GA	PIN 86 PURGE RELAY - BATTERY GROUND BUSS BAR
DEDICATED FUEL SYSTEM RELAY		
VIO/ORNG	12 GA	PIN 87 DEDICATED RELAY - CONNECTOR Q PIN 1
RED	12 GA	PIN 30 DEDICATED RELAY - 20 AMP FUSE #4
ORANGE	16 GA	PIN 85 DEDICATED RELAY - CONNECTOR L PIN 4
BLACK	16 GA	PIN 86 - BATTERY GROUND BUSS BAR
BOTTLE OPENER RELAY 1		
RED	12 GA	PIN 87 BOTTLE OPENER RELAY 1 - FUSE #5
VIOLET	12 GA	PIN 30 BOTTLE OPENER RELAY 1 - CONNECTOR R PIN 1
TAN/GRN	18 GA	PIN 86 BOTTLE OPENER RELAY - CONNECTOR L PIN 1
BLACK	16 GA	PIN 87A & 85 - BATTERY GROUND BUSS BAR
BOTTLE OPENER RELAY 2		
RED	12 GA	PIN 87 BOTTLE OPENER RELAY 2 - FUSE 6
BRN/WHT	12 GA	PIN 30 BOTTLE OPENER RELAY 2 - CONNECTOR R PIN 2
TAN/ORNG	18 GA	PIN 85 BOTTLE OPENER RELAY2 - CONNECTOR L PIN 2
BLACK	16 GA	PIN 86 & 87A - BATTERY GROUND BUSS BAR
12-11200-SPCA		
RED	10 GA	PIN 1 CONN H - POSITIVE BUSS BAR 30-60 AMP FUSIBLE LNK
RED	10 GA	PIN 4 CONN H - POSITIVE BUSS BAR 30-60 AMP FUSIBLE LNK
GREEN	10 GA	PIN 2 CONN H - PIN 2 CONN E - PROMAX CONTROLLER
YELLOW	10 GA	PIN 3 CONN H - PIN 3 CONN E - PROMAX CONTROLLER

12-11200-PCH PROMAX P&P HARNESS		
BLUE	12 GA	PIN 1 CONN P - PIN 1 CONN 1 (PURGE SOLENOID)
BLACK	12 GA	PIN 2 CONN P - PIN 2 CONN 1 (PURGE SOLENOID)
12-11200-RBOH-8 / -12 PROMAX P&P HARNESS		
VIOLET	12 GA	PIN 1 CONN R - PIN 1 CONN 1 (BOTTLE OPENER)
BRN/WHT	12 GA	PIN 2 CONN R - PIN 2 CONN 1 (BOTTLE OPENER)
12-11200-DFSH-8 / -12 PROMAX P&P HARNESS		
VIO/ORNG	12 GA	PIN 1 CONN Q - PIN 1 CONN 1 (DEDICATED FUEL SYSTEM)
BLACK	12 GA	PIN 2 CONN Q - PIN 2 CONN 1 (DEDICATED FUEL SYSTEM)
12-11200-HCH-8 / -12 PROMAX P&P HARNESS		
PINK	10 GA	PIN 1 CONN O - PIN 1 CONN 1 (SINGLE BOTTLE HEATER)
BLACK	10 GA	PIN 4 CONN O - PIN 2 CONN 1 (SINGLE BOTTLE HEATER)
12-11200-DHCH-8 / -12 PROMAX P&P HARNESS		
PINK	10 GA	PIN 1 CONN O - PIN 1 CONN 1 (DUAL BOTTLE HEATER)
PINK	10 GA	PIN 2 CONN O - PIN 1 CONN 2 (DUAL BOTTLE HEATER)
BLACK	10 GA	PIN 3 CONN O - PIN 2 CONN 1 (DUAL BOTTLE HEATER)
BLACK	10 GA	PIN 4 CONN O - PIN 2 CONN 2 (DUAL BOTTLE HEATER)
12-11200-DBOC CONNECTOR V AND Y's FOR DUAL BOTTLE OPENERS		
12-11200-IO WIDEBAND/CANBUS PIGTAIL		
WHT/RED	18 GA	PIN 1 CONN N 0-5 VOLT ANALOG OUTPUT (OPTIONAL)
PNK/BLK	18 GA	PIN 2 CONN N WIDEBAND INPUT 1
PINK	18 GA	PIN 3 CONN N WIDEBAND INPUT 2



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PRO-SERIES PLUG & PLAY SYSTEM WIRING HARNESS

12-11200-PROMAX

PROMAX COTROLLER CONNECTOR PIN OUT		
CONNECTOR A PROMAX CONTROLLER 12-11200-PLH		
VIO/WHT	22 GA	PIN 1 BLACK CONNECTOR - CONNECTOR A PIN 1
PIN 2 & PIN 3 ON PROMAX BLACK CONNECTOR ARE UNUSED		
DRK. BLU/WHT	22 GA	PIN 4 BLK CONNECTOR - CONNECTOR A PIN 8
GRN	22 GA	PIN 5 BLK CONNECTOR - CONNECTOR A PIN 3
WHT/RED	22 GA	PIN 6 BLK CONNECTOR- AUX WIDEBAND CONN N PIN 1
GREY	22 GA	PIN 7 BLK CONNECTOR - AUX WIDEBAND CONN N PIN 5
GRY/WHT	22 GA	PIN 8 BLK CONNECTOR - AUX WIDEBAND CONN N PIN 4
LT GRN/BLK	22 GA	PIN 9 BLK CONNECTOR - CONNECTOR A PIN 3
BROWN	22 GA	PIN 10 BLK CONNECTOR - CONNECTOR A PIN 10
GRY/BLK	22 GA	PIN 11 BLK CONNECTOR - CONNECTOR A PIN 11
WHT/BLK	22 GA	PIN 12 BLK CONNECTOR - CONNECTOR A PIN 6
BLU/RED	22 GA	PIN 13 BLK CONNECTOR - CONNECTOR A PIN 7
DRK BLU	22 GA	PIN 14 BLK CONNECTOR - CONNECTOR A PIN 9
LT BLU/BLK	22 GA	PIN 15 BLK CONNECTOR - CONNECTOR A PIN 12
WHT/LT BLU	22 GA	PIN 16 BLK CONNECTOR - CONNECTOR A PIN 4
PINK/BLK	22 GA	PIN 17 BLK CONNECTOR - AUX WIDEBAND CONN N PIN 2
PINK	22 GA	PIN 18 BLK CONNECTOR - AUX WIDEBAND CONN N PIN3
GRN/WHT	22 GA	PIN 19 BLK CONNECTOR - CONNECTOR A PIN 2
ORANGE	22 GA	PIN 20 BLK CONNECTOR - ARM SWITCH ACTIVATION WIRE
CONNECTOR B PROMAX CONTROLLER - 12-11200-SCH		
BLACK	10 GA	PIN 1 CONN B - PIN 1 CONN E
GREEN	10 GA	PIN 2 CONN B - PIN 2 CONN E
YELLOW	10 GA	PIN 3 CONN B - PIN 3 CONN E
12-11200-CH PROMAX P&P HARNESS		
VIO/WHT	18 GA	PIN1 CONN A - PIN 2 CONN C
GRN/WHT	18 GA	PIN 2 CONN A - PIN 3 CONN C
LT GRN /BLK	18 GA	PIN 3 CONN A - PIN 1 CONN F
WHT/BLUE	18 GA	PIN 4 CONN A - PIN 3 CONN F
GREEN	18 GA	PIN 5 CONN A - PIN 1 CONN D
WHT/BLK	18 GA	PIN 6 CONN A - PIN 1 CONN G
BLU/RED	18 GA	PIN 7 CONN A - PIN 2 CONN G
DRK BLU/WHT	18 GA	PIN 8 CONN A - PIN 2 CONN F
BLU	18 GA	PIN 9 CONN A - PIN 4 CONN F
BROWN	18 GA	PIN 10 CONN A - PIN 6 CONN F
GRY/BLK	18 GA	PIN 11 CONN A - PIN 4 CONN C
BLU/BLK	18 GA	PIN 12 CONN A - PIN 1 CONN C
12-11200-EH PROMAX P&P HARNESS		
BLU/BLK	18 GA	PIN 1 CONN C - MAP SENSOR SIGNAL @ ECU
VIO/WHT	18 GA	PIN 2 CONN C - TACH SIGNAL @ ECU
GRN/WHT	18 GA	PIN 3 CONN C - TPS SIGNAL @ ECU
GRY/BLK	18 GA	PIN 4 CONN C - VSS SIGNAL @ ECU (VEHICLE SPEED SNSR)

12-11200-SPH PROMAX P&P HARNESS		
RED/WHT	16 GA	PIN 1 CONN F - PIN 1 CONN J,K,L
DRK BLU/WHT	18 GA	PIN 2 CONN F - PIN 3 CONN J
WHT/BLU	18 GA	PIN 3 CONN F - PIN 3 CONN K
BLUE	18 GA	PIN 4 CONN F - PIN 3 CONN L
BLACK	16 GA	PIN 6 CONN F - PIN 4 CONN J,K,L
12-11200-TOH PROMAX P&P HARNESS		
WHT/BLK	18 GA	PIN CONN G - TIMING CONTROL BOX STAGE 1
RED/BLU	18 GA	PIN 2 CONN G - TIMING CONTROL BOX STAGE 2
12-11200-SWPH PROMAX P&P HARNESS		
TAN/GRN	18 GA	PIN 1 CONN L - SWITCH PANEL BTL OPNR SWITCH
TAN/ORNG	18 GA	PIN 2 CONN L - SWITCH PANEL BTL OPNR SWITCH
TAN/PNK	18 GA	PIN 3 CONN L - SWITCH PANEL HEATER SWITCH
ORANGE	16 GA	PIN 4 CONN L - SWICTH PANEL ARM SWITCH - PROMAX
LT BLU/WHT	18 GA	PIN 6 CONN L - SWITCH PANEL PURGE BUTTON
12-11200-SPPG PROMAX P&P HARNESS		
RED/WHT	16 GA	SWICTH PANEL POWER INPUTS FOR ALL SWITCHES
BLACK	16 GA	SWITCH PANEL GROUND CIRCUITS FOR ALL SWITCHES
12-11200-TP PROMAX P&P HARNESS		
GREEN	18 GA	PIN CONN G - 12 V INPUT FROM TRANS BRAKE SWITCH
12-11200-NPSSH PROMAX P&P HARNESS		
TAN/PNK	16 GA	PIN 1 CONN M - NITROUS PRESSURE SWITCH (N.P.S.S.)
TAN/PNK	16 GA	PIN 2 CONN M - NITROUS PRESSURE SWITCH (N.P.S.S.)
12-11200-SPCH PROMAX P&P HARNESS		
RED	10 GA	PIN 1 CONN H - PIN 2 CONN S STAGE 1 SOLENOID CIRCUIT
RED	10 GA	PIN 4 CONN H - PIN 2 CONN T STAGE 2 SOLENOID CIRCUIT
GREEN	10 GA	PIN 2 CONN H - PIN 1 CONN S STAGE 1 SOLENOID CIRCUIT
YELLOW	10 GA	PIN 3 CONN H - PIN 1 CONN T STAGE 2 SOLENOID CIRCUIT
12-11200-NPSH PROMAX P&P HARNESS		
RED	20 GA AWG	PIN 1 CONN I - 3 WAY BLK CONN PIN B N2O SEN #1
BLACK	20 GA AWG	PIN 2 CONN I - 3 WAY BLK CONN PIN A N2O SEN #1
WHITE	20 GA AWG	PIN 3 CONN I - 3 WAY BLK CONN PIN C N2O SEN #1
GRND SHEILD	20 GA AWG	PIN 4 CONN I - BATTERY GROUND BUSS BAR
12-11200-PSH -8 / -12 PROMAX P&P HARNESS		
RED	20 GA AWG	PIN 1 CONN J - 3 WAY BLK CONN PIN B N2O SEN #2
BLACK	20 GA AWG	PIN 2 CONN J - 3 WAY BLK CONN PIN A N2O SEN #2
WHITE	20 GA AWG	PIN 3 CONN J - 3 WAY BLK CONN PIN C N2O SEN #2
GROUND SHEILD	20 GA AWG	PIN 4 CONN J - BATTERY GROUND BUSS BAR
12-11200-PSH -8 / -12 PROMAX P&P HARNESS		
RED	20 GA AWG	PIN 1 CONN K - 3 WAY BLK CONN PIN B FUEL PRESS SEN.
BLACK	20 GA AWG	PIN 2 CONN K - 3 WAY BLK CONN PIN A FUEL PRESS SEN.
WHITE	20 GA AWG	PIN 3 CONN K - 3 WAY BLK CONN PIN C FUEL PRESS SEN.
GROUND SHEILD	20 GA AWG	PIN 4 CONN K - BATTERY GROUND BUSS BAR

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