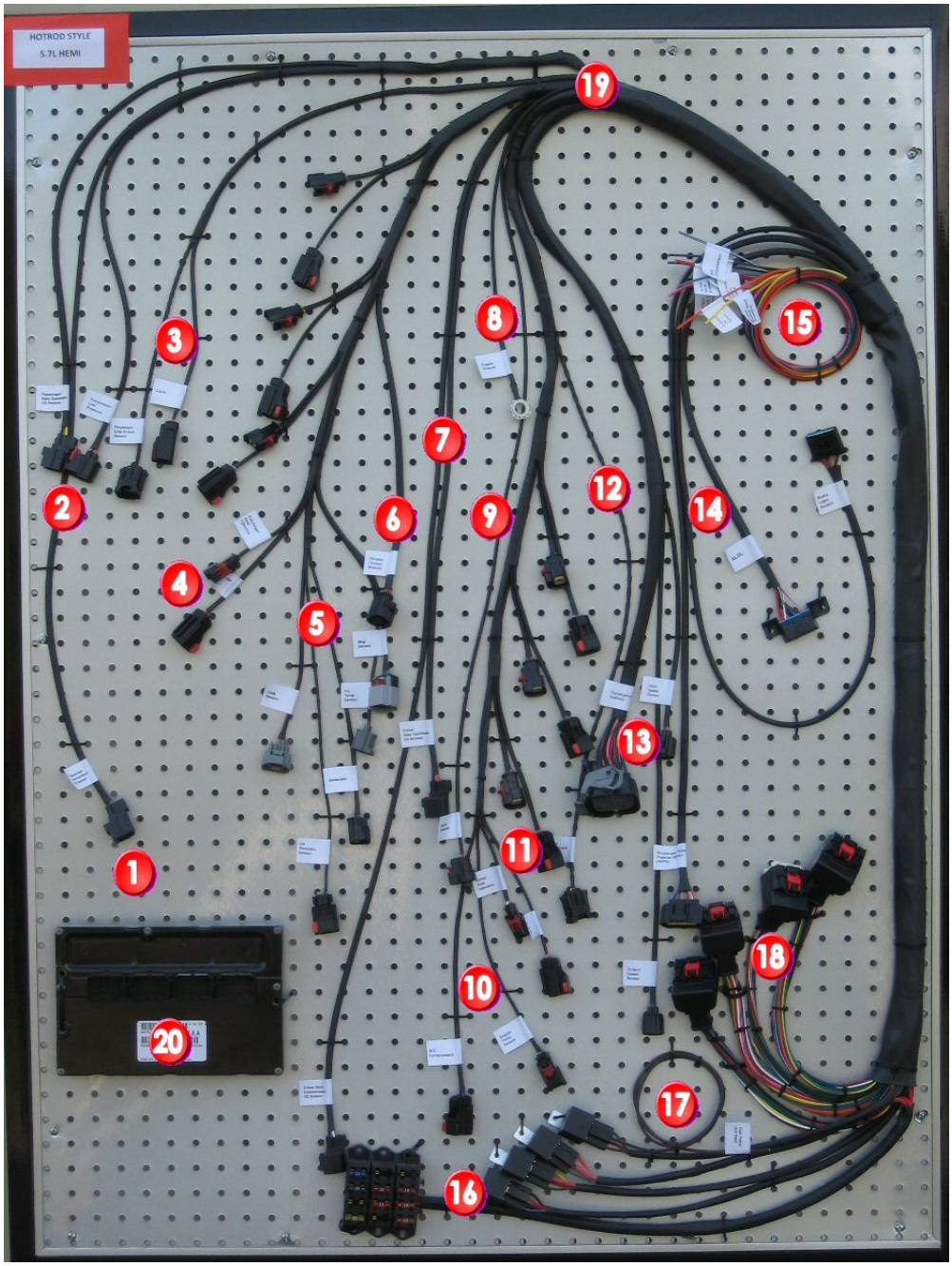
INSTALLATION INSTRUCTIONS

5.7L HEMI TRUCK

HOT-ROD STYLE

Also covers LX 5.7L/6.1L Hemi with Truck or Manual Transmission **


HOTROD STYLE
5.7L HEMI
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

Our hotrod style harness is designed for the computer, fuse block and relays to be installed inside the vehicle under the dash. The engine and transmission connectors should be pushed out through a hole 2 3/8" in the firewall to wrap up and around the engine block. The hole in the firewall should be directly behind the passenger fuel rail down behind the head. It is best to start with the largest plug first (the transmission solenoid on an automatic harness).

Item #19 should be positioned directly behind and slightly below the passenger fuel rail when installed. The branches that contain the coils and injectors should be zip-tied to the fuel rail so that all coils and injectors plug in with no strain on the plugs.

Accessory items and items on the front of the engine block should hang over the front and be close to the correct sensors. Items on the sides of the block will fall down behind the heads and up under the exhaust manifolds. Transmission and O2 sensors will down and back on either side of the transmission.

Items #14 and #15 should be just inside the firewall under the dash for easy connection to the sensors and gauges.

Below is a list of all items marked on the photo:

1. * ~~**Passenger Downstream O2 Sensor** – After the catalytic converter on the right side exhaust~~.

2. **Passenger Upstream O2 Sensor** – Before the cat on the right side exhaust.
   Transmission Line Pressure – Midway down the right side of the transmission.

3. **Passenger Knock Sensor** – Midway up the side of the engine block on the right side.
   Crank Sensor – Rear of engine block on right side.

4. **Passenger Coils and Injectors** – Run down the right-side fuel rail.

5. **Cam Sensor** – Front top of block to the right of water pump.
   Oil Pressure Sensor – Front of block directly above oil filter.
   Generator – Accessory on front of block up high on the right side.
   Intake Air Temp – Front of air box.
   Map Sensor – Front of intake below air box.

6. **Throttle Control Module** – Middle of intake behind air box.

7. **Driver Upstream O2 Sensor** – Before the cat on the left side exhaust.
   * ~~**Driver Downstream O2 Sensor** – After the cat on the left side exhaust~~.

8. **Engine Ground** – Use transmission bell-housing bolt at back of engine block.

9. **Starter Solenoid** – On top of starter. You MUST use our starter wiring for the engine to start/run properly.

10. **A/C Compressor** – Accessory on front of block up high on the left side.
    Engine Temp Sensor – Front top of block to the left of water pump.

11. **Driver Coils and Injectors** – Run down the left-side fuel rail.

12. **Driver Knock Sensor** – Midway up the side of the engine block on the left side.

13. **Transmission Solenoid** – Midway down the left side of the transmission.
    Input Speed Sensor – Left side of transmission forward of Transmission Solenoid.
    Output Speed Sensor – Left side of transmission behind Transmission Solenoid.

14. **Accelerator Pedal Position Sensor** – Plugs in to top of pedal or in to bell crank depending on option.
    Brake Light Switch – Above brake pedal.
    Data Link Connector – Mount under dash for scanning.

15. **Open Wires** (wires vary by harness options)
    a. **Red** – 12 Volt Hot at all times. (direct to battery)
    b. **Pink** – 12 Volt Run and start. (ignition key on position)
    c. **Yellow** – Ignition start. (ignition key cranking position only) You must use the included starter solenoid wiring for the engine to start properly. (*Mopar muscle cars*: You will need to use a momentary push-button starter switch with this wire on one post and 12v on the other post, the dual ignition circuit of a late 60's to early 70's Mopars will not work with the Hemi system)
    d. **Blue** – Brake light output to rear brake lights.
    e. **Purple** – Backup lamp output to rear backup lamps.
    f. **Orange** – Overdrive off Switch to momentary ground. (optional, automatic only)
    g. **Blue/White** – A/C compressor clutch. (12 volts to activate compressor)
    h. **Black** – Clutch safety ground. (manual trans) This must be grounded in when the clutch is pushed in or in Park/Neutral on a non-electronic transmission.
    i. **Green** – Speedometer output to gauge.
    j. **Grey/Black** – Oil Press Gauge (open on both ends for you to hook up your own sending unit)
    k. **Tan/Black** – Engine Temp Gauge (open on both ends for you to hook up your own sending unit)

16. **Fuse Block** – See attached diagram. 2 rows for manual, 3 for automatic.
    Relays
    a. **Auto Shutdown Relay** – Power to injectors and coils.
    b. **Fuel Pump Relay** – Power to fuel pump.
    c. **Starter Relay** – Power to starter solenoid.
    d. **Transmission Relay** – Power to transmission. (automatic transmission)

17. **Fuel Pump Hot Feed** – Connect to hot side of fuel pump.

18. **Computer Connectors** – 3 for manual, 4 for automatic.

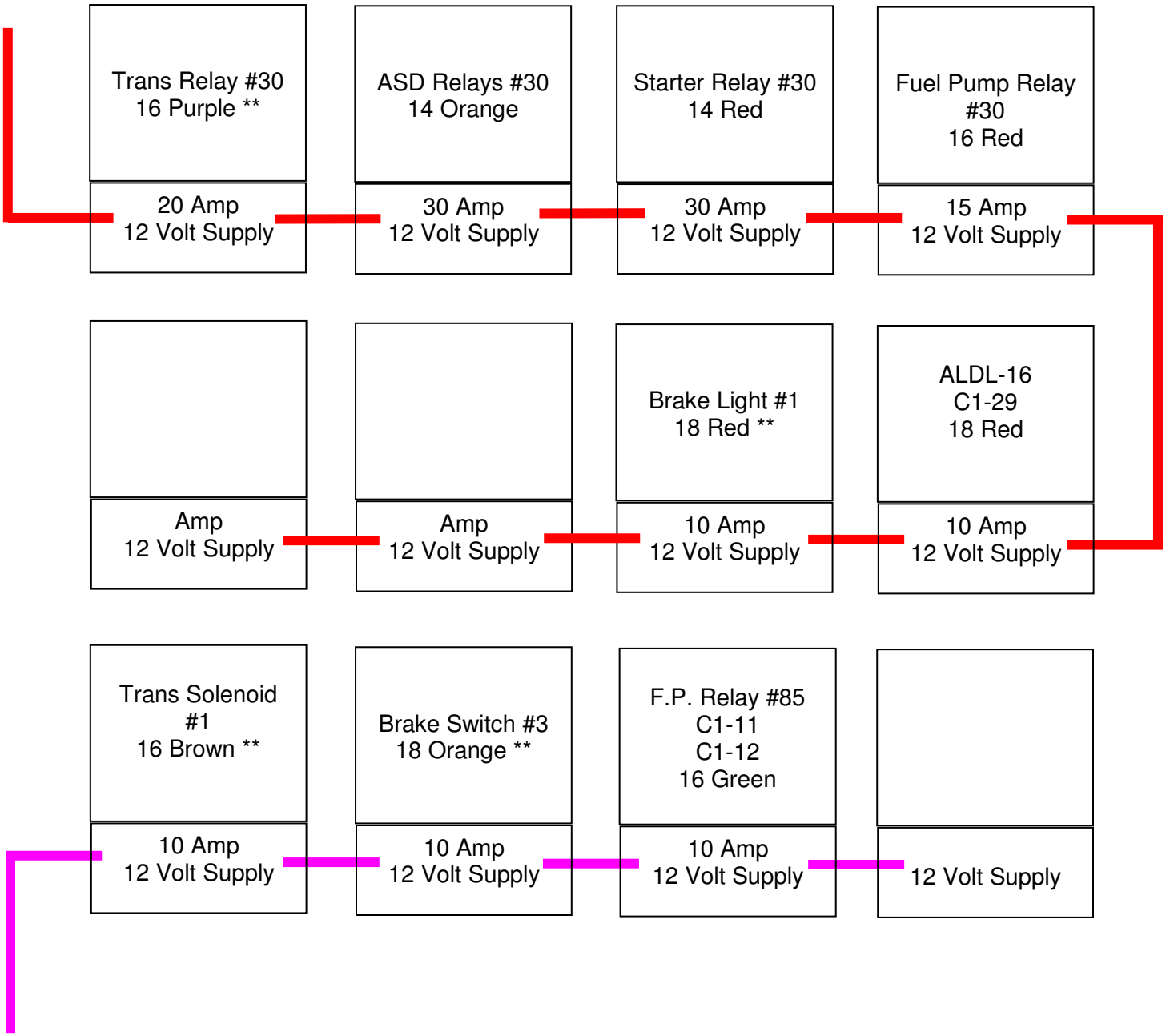
* - Downstream O2's currently included only on full-emissions harnesses.

** - LX 5.7L/6.1L Hemi has same components but layout is slightly different, remove intake to install 6.1L Harness

FUSE BLOCK

(Manual systems only have 2 bars and do not have Trans fuses or Brake light fuses.)

Battery Feed



Ignition (Run & Start)

WARRANTY DISCLAIMER

No Warranties of any nature (expressed, implied, fitness of usage or merchantability) are given on these products. Seller undertakes no responsibility for any product sold. Additional disclaimers are within and are binding upon this contract. Due to the intended usage of products offered, all products are sold on an "as-is" basis, and no warranties of any kind, whether written or oral are made by Squier Inc., its agents or employees. All implied warranties, including the implied warranties of merchantability and fitness are expressly excluded, and the buyer bears the entire risk as to quality performance and use of these products. Squier Inc. will assume no responsibility of personal injury, labor or other injury arising out of the usage of our products. Any defective part will be handled between the original manufacturer and the buyer. Squier Inc. reserves the right to change specifications, prices and discontinue parts without notice. Installation of Squier Inc. harnesses may adversely affect the vehicle manufacturer's warranties, and may violate State and Federal laws when vehicles so equipped are operated other than strictly off-highway. Squier Inc. reserves the right to discontinue any product at its sole discretion and without any liability with respect to similar products already in the field. Some parts are not legal for sale or use on pollution controlled motor vehicles.

DISCLAIMER

Hotwireauto.com is a trademark of Squier Inc. All other company names and product names are trademarks of their respective holders and are included for identification and descriptive purposes only. Use of other company names and product names is in no way meant to imply that we are sponsored or endorsed by those companies.

IMPORTANT NOTICE

This material has been completed using our best efforts. We assume no liability for errors contained herein. Our website is updated on a regular basis and can be used to supplement the information contained herein. It is the responsibility of the installer to ensure that all of the products are correct before installation. Proper assembly always requires that the installer use all instructions and safety procedures. We assume no liability for any errors made in product selection or installation.

Squier Inc.
256 Polk Road 43, Mena, AR 71953

www.hotwireauto.com
479-243-9115

THANK YOU FOR BUYING OUR PRODUCTS, WE PROVIDE FULL TECHNICAL SUPPORT