

# RON FRANCIS WIRING



## PLEASE DO NOT LOSE THIS INFORMATION

Thank you for ordering our wiring products. Your invoice number (or order number) is at the top of your invoice/receipt. If you have purchased a Wiring Kit, this number is also your **SERIAL NUMBER**. Please refer to this number should you call. This number allows us to locate your original order form and confirm what you received. We keep a record of every call with the original order number. This way, we know your entire history at a glance.

Having this number also allows us to help the next person should you sell your vehicle. If you sell the vehicle, please be kind enough to point out this information, or the serial number on the wiring panel, to the buyer. This way we do not have to familiarize them with our numbering system should they call. We insist on this procedure as your number is important in locating these records. Questions, no matter how simple, will not be answered unless we have your order in front of us. We have had many models of wiring panels and have made many improvements and upgrades since 1974. Help us help you identify the products.

## DAMAGED OR MISSING PRODUCTS

Any damage to this shipment must be reported to UPS or other shipper so that they can see any damaged packages. Do NOT RETURN this box or any of its contents to us. Call them first as they must see the package. Then call us in reference to what they said. Shipping any part or all of the product to us before they inspect it will cancel the claim.

*Claims for shortages and returns must be made within 20 days of the shipping date.* A phone call with your order number is required to receive a return authorization number. Special orders are not returnable. Returns must be in a condition that may be resold as new. Items returned for credit are subject to 20% handling and repackaging charges as necessary. See our current catalog for details.

## CALLING US

Customer service calls are handled by calling our toll free # 800-292-1940 - OPTION #3 with any questions about this order. Calling any other number will only cause a delay. Please call from 8:00 a.m. to 12:00 p.m. and 1:00 p.m. to 4:30 p.m. Eastern Standard Time only. *There is a limited staff during our lunch time from 12:00 to 1:00 PM.* Calling during this time is not recommended. If you are one of the few customers who's call goes into our voice mail system PLEASE leave a message and phone number, as we cannot respond to your call if we don't know about it.

**ABSOLUTELY NO RETURNS WILL BE ACCEPTED AT AN EVENT AS WE DO NOT HAVE ROOM IN OUR SUITCASES FOR SUCH ITEMS.**

## ON A PERSONAL NOTE:

Thank you for ordering from RON FRANCIS WIRING, a.k.a. Ron Francis' Wire Works. We are a family owned, high quality, proactive, pioneering wiring company for Hot Rods, Street Rods, Customs and many other applications of vehicle wiring. We are dedicated to serving our customers by providing exemplary customer service. We strive to provide a broad spectrum of electrical products to make your project safer, easier to install and troubleshoot if necessary. We try our best to have what you need when you need it and we pride ourselves in exceeding your expectations by responding to your questions quickly.

Thanks again,

A handwritten signature in black ink, appearing to be the initials "RF" or a similar stylized name, located below the "Thanks again," text.

200 Keystone Road, Suite #1 • Chester, PA 19013

# RON FRANCIS WIRING

## GENERAL INSTALLATION INSTRUCTIONS, PANEL MOUNTING

Separate sheets of installation instructions are included with your kit. The first, GENERAL INSTALLATION INSTRUCTIONS, PANEL MOUNTING & CONNECTION PROCEDURES, you are reading now. Instructions located in each wiring bag detail its installation. **Start at the lowest letter bag**, opening one bag at a time and reading each instruction just before installing the wires to the panel. Following this procedure should eliminate any wiring mistakes.

Be careful to cut the length of all wires correctly. You have a nice kit and with some care will avoid splices if the wires are cut too short. The terminals and sleeves packaged with these instructions will be used to connect the PANEL FEED wire to the starter solenoid. If you add any wires or circuits to this kit, we suggest you do so after installation of the kit itself is completed and working.

We prefer that you go right through this job and complete it. If you have difficulty with a particular circuit, leave it and continue with another. Quite often your question will be answered later on.

### Serial Number

A very important feature is the use of a serial number mounted on the end of the panel cover. This number must be given to the person who answers the phone when you call for any installation or trouble shooting in the future. Help us help you by having this number ready.

### Wire Bags

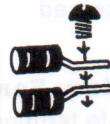
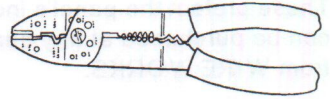
Your main wiring kit will have bags lettered A,B,C,D,E,F and some may also have an additional letter behind them, (Example: AF or AE). Additional bags may be included depending on vehicle make or special requirements for your particular application. Open the lowest lettered bag (A\_) first and work your way up. Jumping around to different numbered bags will make your installation more difficult.

### Battery Cables

Use two gauge positive and negative battery cables for front or rear mounted batteries. Remember to run the negative cable directly to the starter mounting bolt.

### Crimping Tools, Terminals

Use a crimping tool that is designed for insulated terminals. If the tool punctures the insulation (plastic) or damages it in any way, you are using the **wrong tool**. The proper tool will only "flatten" the plastic and if the handles are squeezed completely, the proper crimp has been made.



Always put the first terminal under a screw with the fat wire side down as in the drawing. Install any second terminals just the opposite as this will allow the screw to hold squarely and tight.

The insulation from one terminal should not interfere with the one next to it. If you must put more than two wires under a terminal, put two wires into one terminal and then connect to the panel. It is a must to keep all screws holding terminals as tight as possible.

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Two terminal sizes have been supplied for installing wires to the panel. The yellow terminal is used on 10 and 12 gauge wires and the blue is used on the 14, 16 and 18 gauge wires.

### Panel Mounting

We highly recommend that the panel be mounted under the dash board, in kick panels, above the steering column. Roadsters can mount the panel in the back of the passenger compartment with particular attention to the **"routing of the wires"**. **Plan now so that wires will be kept as short as possible. Take some time to look. This is more important than you think.**

### Grounding

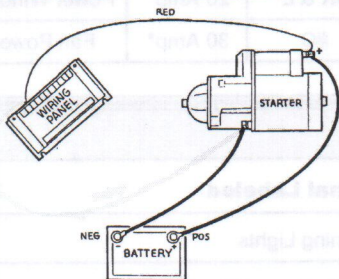
**DO NOT GROUND THE BATTERY DIRECTLY TO THE FRAME. WE CANNOT STRESS THIS ENOUGH. YOU MAY HAVE USED THIS PROCEDURE IN THE PAST BUT WE HAVE FOUND THAT IT DOES NOT WORK AS WELL AS YOU MAY WANT IT TO. RUN THE NEGATIVE CABLE DIRECTLY TO A STARTER MOUNTING BOLT.** New paint, rust or bad connections will cause a poor ground. Use star washers which cut through into the metal on all terminals to metal ground connections.

### PLEASE PAY ATTENTION TO THIS WARNING.

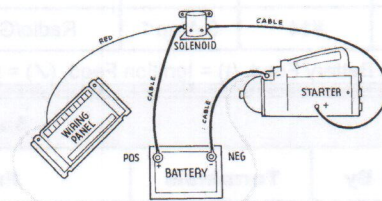
Factory diagrams should not be compared to our wiring. If your switch has two wires on a terminal and we only show one, you should not start duplicating the factory diagram. Often times our "second wire" will just come from another place for good reason. Moving just one of our wires can spell disaster. **AND WE CAN NO LONGER TROUBLE SHOOT A PROBLEM.** This can cause several items to operate off one switch, shorts and other unmanageable events

### Panel Feed Wire Installation Procedure

Run the **RED** PANEL FEED wire from the Panel to the battery post of the starter solenoid. Install the sleeve and ring terminal and connect it to the starter solenoid. **THIS IS AN IMPORTANT CONNECTION, THE PROPER CRIMP TOOL IS REQUIRED. IF ONE IS NOT AVAILABLE, SOLDER THIS CONNECTION.**



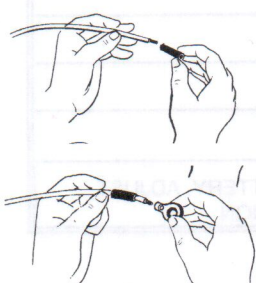
GM & Others



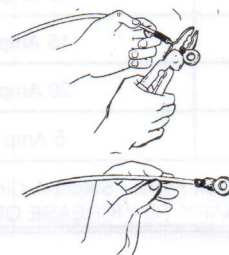
Ford

**Note: Ammeter users: we would like to tell you how to make the proper wiring connections. Please call 800-292-1940 option #3.**

### Sleeve & ring terminal installation procedure



**(1)** Cut the wire to the correct length, strip the insulation 1/4 inch from the end of the wire. Slide the rubber sleeve onto the wire and move back out of the way



**(3)** Crimp with the proper tool as shown. Make this important connection tight as possible. Solder if desired.

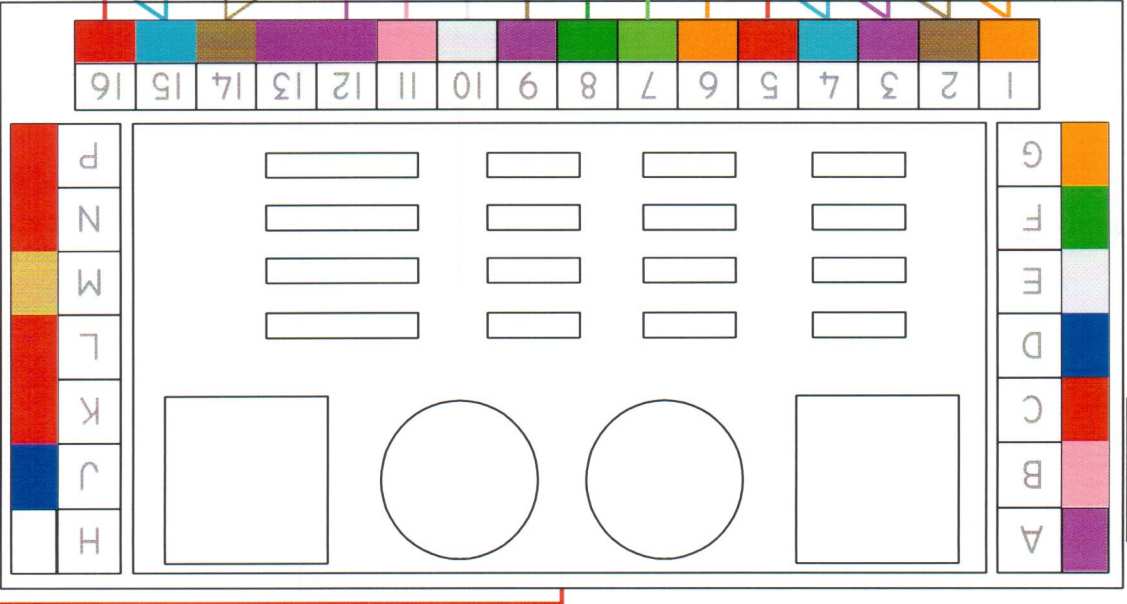
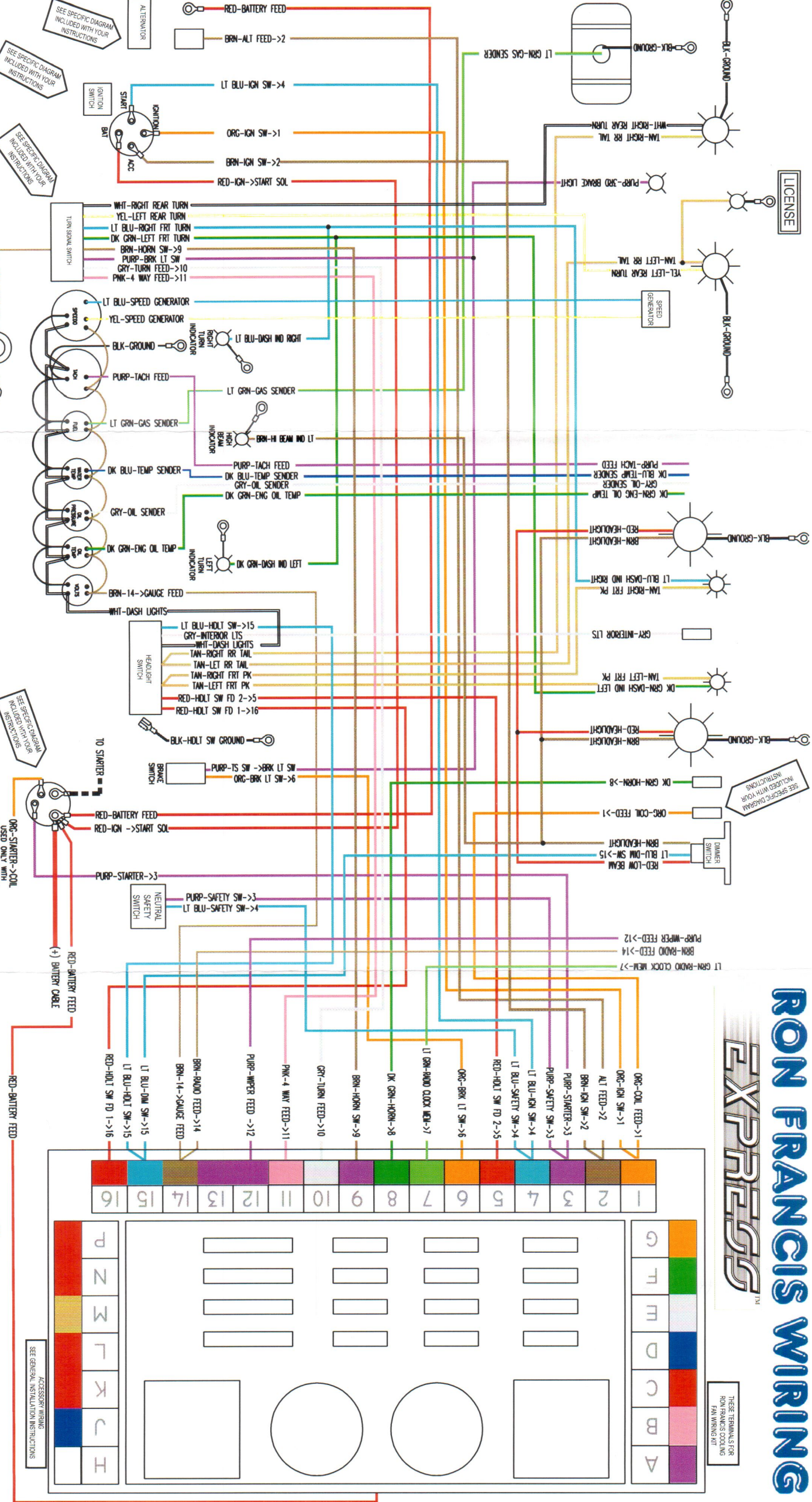
**(2)** Slide the large terminal onto the bare end of the wire and hold for crimping

**(4)** Pull the rubber sleeve back over the crimped area of the ring terminal to finish the job

# RON FRANCIS WIRING

## EXPERTESS

THESE TERMINALS FOR  
RON FRANCIS COOLING  
FAN WIRING KIT



ACCESSORY WIRING  
SEE GENERAL INSTALLATION INSTRUCTIONS

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DO NOT REPRODUCE