INSTRUCTIONS
1-TOUCH POWER WINDOW CONTROLLER

®

1. IMPORTANT – READ ALL INSTRUCTIONS BEFORE YOU BEGIN

You should be familiar with voltage, current, and resistance, and how to use a volt/ohm meter and clamp-on current meter to measure these basic parameters. If you do not feel you have the necessary tools, knowledge, and experience, Coach Controls strongly recommends that you get professional assistance with your wiring project.

Proper wire terminations are essential for the safety, operation, and long term durability of your vehicle's electrical system. To install this wire kit you will need a heat gun and quality crimp tools. A closed barrel crimp tool such as the one shown should be used to crimp the non-insulated closed barrel terminals provided in this kit. Note that the wire insulation butts up firmly against the terminal and that the crimp tool creates a dimple in the terminal, securing the conductor without breaking any strands. Use a heat gun and a piece of heat shrinkable sleeving included in the kit to insulate each crimped closed barrel terminal. Once the sleeving is heated and shrunk it should be tight around the terminal and the wire insulation. In this way the sleeving acts not only as an insulator but also as a strain relief to minimize bending of the conductor at the crimped connection.

SPECIAL TOOLS REQUIRED

Proper Closed Barrel Crimp

Closed Barrel Crimp Tool

2. INSTALLATION

This Window Control Unit is compatible with all known 2-wire power window motors which require the electrical polarity to be reversed to reverse the direction of the window. Refer to the attached wiring diagrams for basic and optional installations. Additional detail wiring diagrams are also available on our website for connections to a keyless entry system.

The Window Control Unit includes a fuse for protecting the window motor outputs and associated wiring. Note, however, that any connections to the Battery must also be fused even though those fuses are not shown on the accompanying wiring diagrams.

3. OPERATION

Momentary up/down switches are typically used to control power windows. To move a window up or down simply hold the switch in the up or down position to operate the window and release the switch to stop the window at the desired position.

For 1-Touch operation, quickly press and release the up/down switch and the window will automatically raise or lower a window to the top or bottom of the track. The window can be stopped anywhere along the track by quickly pressing and releasing the up or down switch again.

You can take advantage of other convenience features by connecting the Door Lock and Unlock inputs to a keyless entry system. In this case, when you press the Lock button twice on the keyfob both windows will automatically raise to the top of track. In addition, if you press the Unlock button twice, only window 1 (Driver's side) will automatically lower. This feature gives you an alternate way of getting in the vehicle in the event the doors fail to unlock.

4. OPTIONS

4.1 Window Drop Option 1 for Power Window Weather Seal Clearance

This option provides compatibility with vehicles where the windows must be dropped slightly to allow the doors to open. This may apply to convertibles or certain hardtops when the windows fit into a weather seal along the top. To use this option, you must connect the Door Lock and Unlock signal inputs to a keyless entry system as shown in the accompanying Option 1 diagram.

Entering a locked vehicle with windows raised: When the doors are unlocked by your keyless entry key fob both driver and passenger windows will be dropped slightly to allow the doors to open. When both doors are closed and the ignition key is turned on, the windows will automatically raise into the weather seal.

Exiting the vehicle: When the ignition key is turned off the windows will automatically drop slightly to allow the doors to open. After exiting the vehicle, use the key fob to lock the doors and the windows will automatically raise completely into the weather seal.

4.2 Independent Window Drop Option 2 for Power Window Weather Seal Clearance

This special option is similar to the Option 1 Power Window Drop feature described above where the windows must be dropped slightly in order to open the doors. However, this option allows the windows to be operated independently and automatically, OEM style, and does not rely on use of keyless entry system. Refer to the accompanying Option 2 diagram for enabling this option.

IMPORTANT: This option requires the driver and passenger dome light door switches to be integrated into the door latch mechanisms (Corvette latches are often used for this purpose) so that the dome light switch closes as soon as the door is unlatched. The driver and passenger door switches are wired separately to the Window Control Unit and used to trigger individual power window drop operation.

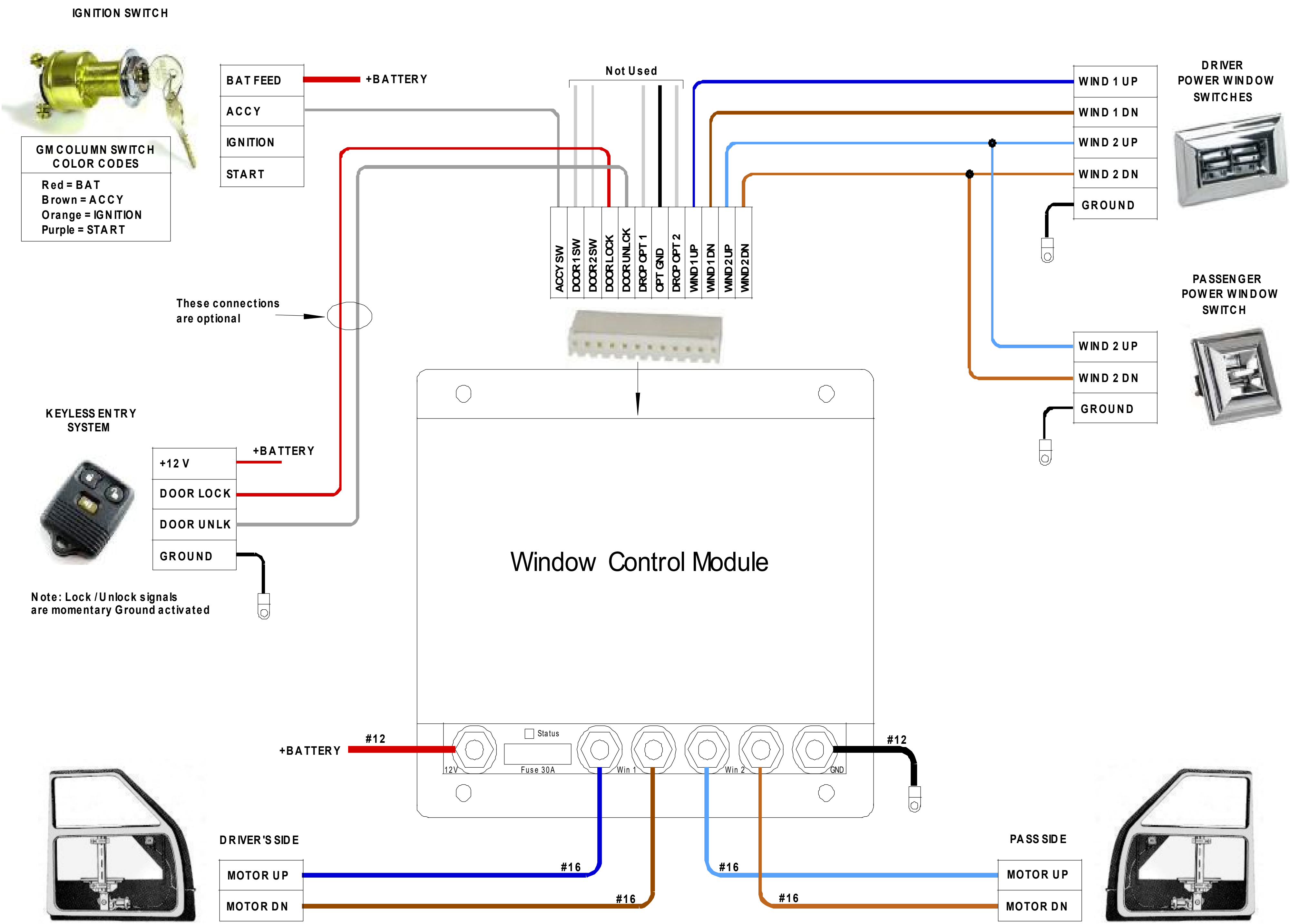
5. TECHNICAL SUPPORT

Additional wiring diagrams and tech support are provided on our website:

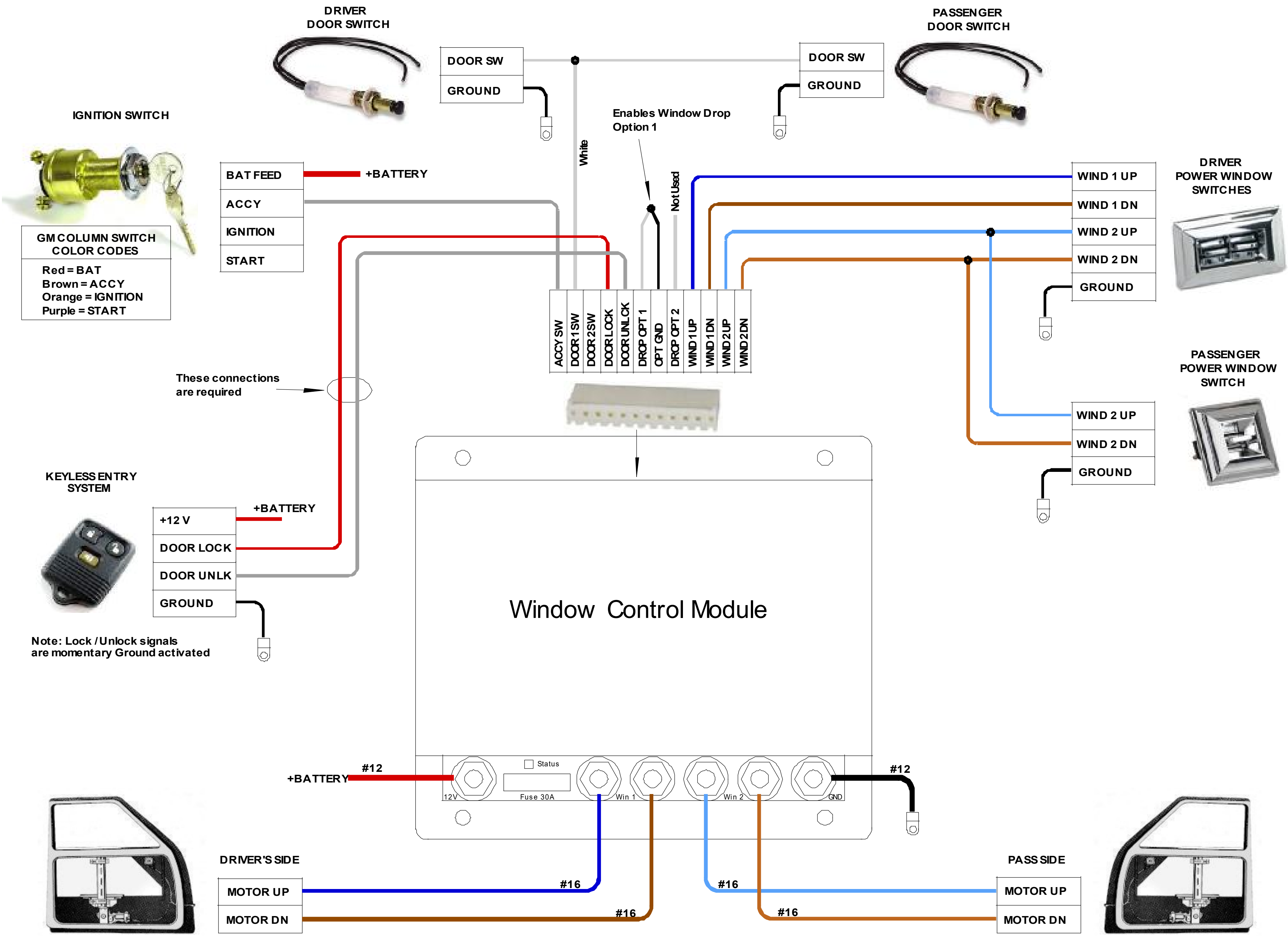
www.coachcontrols.com

or call 423-790-7905 M-F, 9am-5pm eastern.

CONNECTIONS REQUIRED FOR BASIC 1-TOUCH POWER WINDOW OPERATION



CONNECTIONS REQUIRED FOR WINDOW DROP OPTION 1



CONNECTIONS REQUIRED FOR WINDOW DROP OPTION 2