

## Momentary Switching Module Installation Instructions

- A. Installing the module with a single speed or two speed switch
1. Connect the thin light blue wire from the module to the wiper switch ON or LOW speed terminal.
  2. Connect the thin dark blue wire from the module to the wiper switch HIGH speed terminal.
  3. Connect the thin gray wire from the module to a momentary ground wire from a momentary switch as shown in the diagram.
  4. Connect the thin black ground wire from the module to a good chassis ground.
  5. Connect the heavy light green wire from the Speed Control Relay to the wiper motor HIGH speed terminal.
  6. Connect the heavy tan wire from the Speed Control Relay to the wiper motor LOW speed terminal.
  7. Make sure that the fused wiper power lead wire to the wiper switch power terminal is connected according to the manufacturers instructions.
  8. Connect the heavy red wire from the Park Control Relay to the wiper power lead wire from the fuse panel.
  9. Connect the heavy brown wire from the Park Control Relay to the wiper motor park terminal according to the manufacturers instructions.
- B. Operating a two speed wiper motor with a single speed or two speed switch
1. The single speed switch will operate the ON terminal only as per the switch design.
  2. With a two speed switch, both low and high speed motor operation is possible with the switch.
  3. To operate the momentary functions the following procedure must be followed:
    - a. The wiper switch must be turned on to the ON or LOW speed position.
    - b. Operation of the momentary button will switch between low speed and high speed motor control.
    - c. When the switch is turned off, the "PARK" circuit is activated to reset the wiper arms to the park position and the default speed to the LOW speed.
    - d. When the switch is turned off, pressing and holding the momentary switch will activate the low wiper speed for as long as the momentary switch is depressed. When the momentary switch is released, the module resets power to the PARK circuit to park the wiper arms.

C. Specific circuit descriptions of the momentary module

The module has 6 circuits as defined below.

wire color	function
red	12 volt battery power to the module
black	Ground wire for the module
light blue	Low speed power signal. When this lead wire has a 12 volt signal, the module activates the Park Control relay and passes power to the Speed Control relay which alternately switches the Speed Control relay to power the low or high speed wiper motor power wire with each momentary grounding of the gray module circuit switching signal wire.
dark blue	High speed power signal. When this lead wire has a 12 volt signal, the module activates the Park Control relay and the Speed Control relays to power the high speed wiper motor power wire only.

When the switch is off (no 12 volt signal on either the light blue or dark blue wires), pressing and holding the momentary switch will activate the Park Control Relay and pass power to the low speed wiper power wire for as long as the momentary switch is depressed. When the momentary switch is released, the module resets the Park Control Relay and passes power to the PARK circuit to park the wiper arms.

gray  
light green  
tan

Module circuit switching signal wire  
Speed Control Relay coil ground  
Park control Relay coil ground



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**PART #**

**510187**

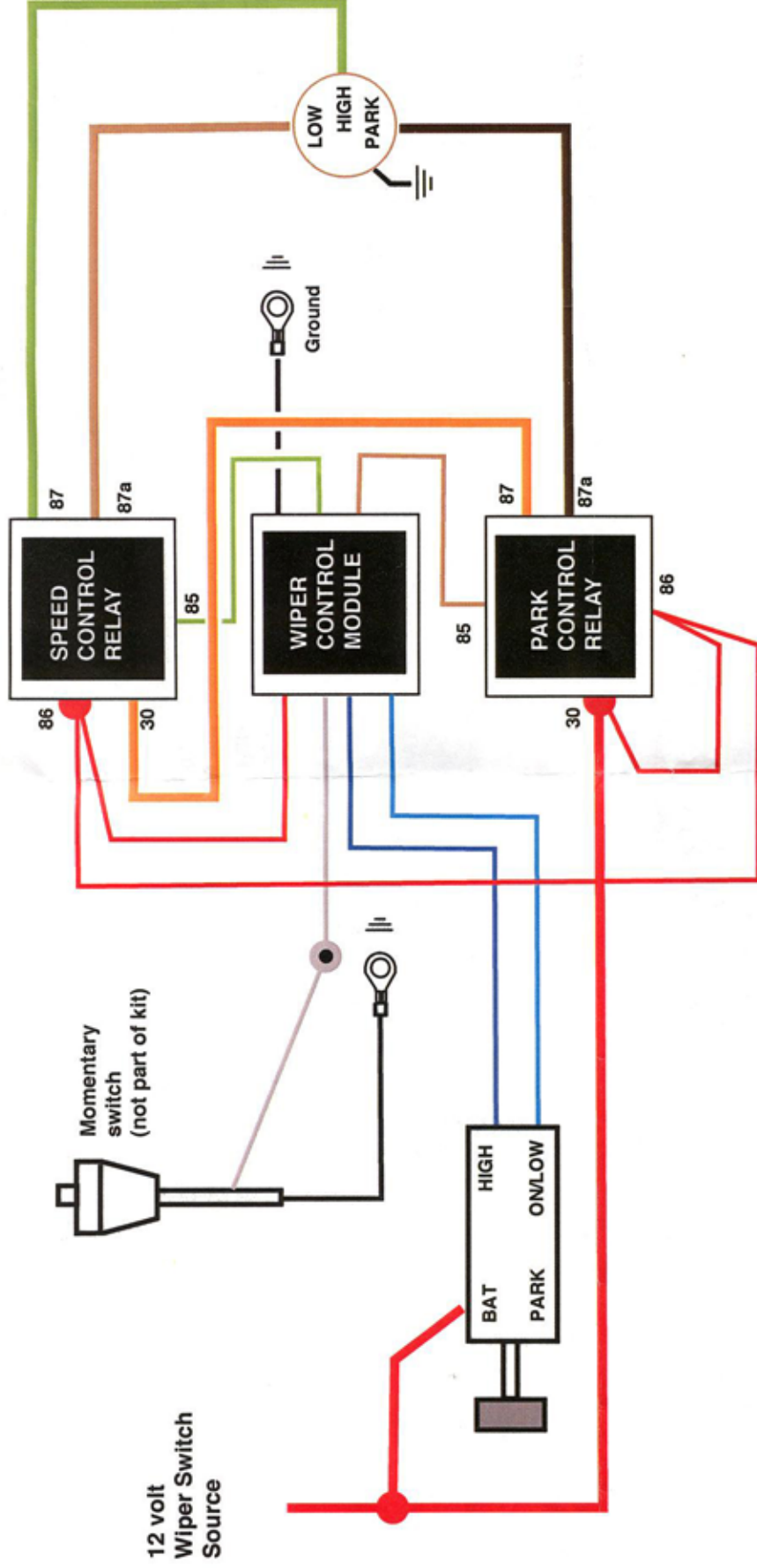
**DESCRIPTION:**

**Wiper Momentary Module**

**Lot# 686083**



## DIAGRAM 1



### Important product disclaimer

The module and the circuits in this kit are designed for the specific application described in this kit. Any other use of this momentary module is not supported by American Autowire. Technical support for applications other than those described in this kit is not available by American Autowire.

# Turn Signal Lever Momentary Switch: 510169

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The function of the momentary switch button on the turn signal lever or the tilt column lever is to trigger a ground signal to a momentary switch module designed to set functions based on each ground trigger. This lever can be used with a wiper or dimmer kit, it can also be used for other items.

1. Install the turn signal lever through the turn signal hole and onto the relief in the turn signal switch. Put the screw through the eyelet in the black ground wire and install the screw through the lever and onto the switch. You will notice that the lever has a groove that the eyelet sets down onto. Make sure the eyelet sets into this groove and tighten the screw as tight as you can without stripping it. You cannot hurt the switch; there is a metal insert behind the plastic.
2. Route both the tan and gray wires down through the column. If this is an ididit or GM column you will see a ½" hole down through the column at the 8:00 position. This is a route for the wires. Tip: Use a piece of florist wire to fish the wire through the column. Once it is through then tape the wires together and pull them through the column carefully.
3. Attach the black wire to a ground source. Attach the gray wire to the gray wires on the dimmer or wiper kit per its instructions.



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Revised 10/22/2010

Instruction #: 8000020055

# Tilt Lever Momentary Switch: 510168

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The function of the momentary switch button on the turn signal lever or the tilt column lever is to trigger a ground signal to a momentary switch module designed to set functions based on each ground trigger. This lever can be used with a wiper or dimmer kit, it can also be used for other items.

1. Thread this lever into the hole on the side of the column taking care to prevent the wire from chafing on the column.
  2. Using a piece of florist wire, fish the wire down through the column to where the wires exit. Then tape the gray wire to the florist wire and gently pull the wire through the column.
  3. Attach the gray wire from the lever to the gray wire on the dimmer/wiper kit per instructions.
- Please Note: This lever must be grounded for the switch to work properly. The lever should be grounded through the column, but if you have a fiberglass car, you must provide a ground to the column for this to work properly.



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