

**There is no warranty expressed or implied by this document, you follow these instructions at your own risk. These instructions worked for me, but your experience may vary.**

The final product of these instructions is the installation of a relay and fuse to be used to wire accessories. The wire being used is hot in Run or Acc. The circuit being used is from the wiring diagrams contained in 013-Power Distribution-SJB page 17, connector C314 located in the center console, used for Ambient Lighting.

## Parts List

Part Number	Description	Approximate Cost
7R3T-19B516-G2818	Ford Trunk Lid Wiring Harness & Connector from main harness	\$25.00 (Salvage)
	Heat Shrink Tubing	\$2.00
	Colored wire	\$5.00
	¼" Wire Loom	\$3.00
	Black electrical tape	\$1.00
	12 Volt SPDT or SPST relay	\$15.00
	Female bullet connector	\$0.15
	Fuse holder	\$3.00

## Required Tools

Wire Cutter/Stripper  
Soldering Iron  
Phillips Head Screwdriver  
X-Acto knife

## Trunk Lid Wiring Harness

Pin	Wire Color	Wire Stripe	Function
1	Empty		
2	Tan	Blue	High mounted stoplamp
3	Pink	Purple	Anti-theft luggage compartment switch
4	Tan		Luggage compartment lid-ajar switch
5	Black		Ground
6	White	Pink	Luggage compartment lid release solenoid
7	Empty		
8	White	Yellow	Luggage compartment lamp
9	Empty		
10	Black	Green	Anti-theft horn

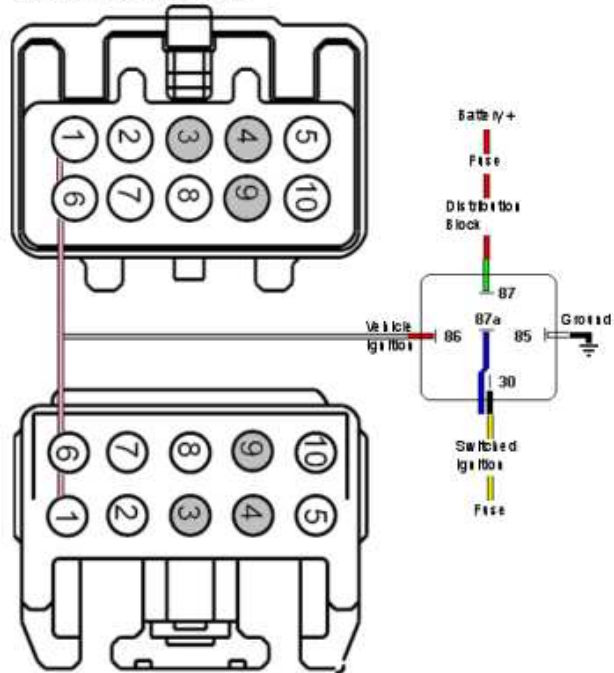
## Create New Harness

1. You need to rearrange the wires in the 2 ends of the harness, you'll need wires for all of the pins except for 3, 4, and 9. Remove the white plastic on the pin side of each of the connectors (be careful, you'll need to put these back after rearranging the pins).
2. At the bottom of each of the pins (male or female) in the connector, there is a small plastic flap, I use an X-Acto knife to hold that flap down, and slide the wire out of the back of the connector. Once all of the wire have been removed, rearrange them back into the connector, leaving pins 3, 4, and 9 empty, all other pins should have a wire.
3. Place heat shrink on all of the wires, tie them together and solder all but the wire for pin 1.
4. Connect 5ft. a piece of wire to the wires in Pin 1 and solder this connection
5. Place the wire loom of the 10ft piece of wire and secure in place with black tape. Use electrical tape to wrap just the end of the wires near the connectors, then install the wire loom, and continue the tape over the wire loom. This will lock the wire loom to the wire.

### Ambient Lighting Harness

- 1 - Hot in Accessory or Run (Violet)
- 2 - Courtesy Top Switch, Illumination (Light Blue-Red)
- 3 - Not used
- 4 - Not used
- 5 - Memory Switch (Violet-White)
- 6 - Illumination Red (Violet-Orange)
- 7 - Illumination Green (Dark Blue)
- 8 - Illumination Blue (Tan-Black)
- 9 - Not used
- 10 - Ground (Black)

Using donor harness from the truck (10 pins).  
All connections are straight through except for the pins that are listed (3, 4, 9).



## Installation

1. Remove the 2 screws from the rear of the center console. Remove the Gear Shift Bezel. Lift the console cover off.



**2005-2009 Mustang  
Accessory Wire Installation**

10/27/2010

2. Unplug the wire from the harness on top of the console



3. Plug in the new harness and route the loomed wire to the foot well on the passenger side.



4. I had already run a wire from the battery to this location (see 2005-2009 Mustang Power Wire Installation.doc).  
5. Connect the following on the relay:



Connection	Wire/Function
30	Solder to fuse holder, and add female bullet connector to the end. Any connections to the feed will have a male bullet connector.
85	Ground
86	Loomed wire from Pin 10 of harness/Hot in Run or Acc
87	Battery
87a	Not connected

