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# Installation Instructions

## For 50341



### The following is included in this kit:

- 1- Switch Panel
- 1- Mounting Box
- 1- Formed Polyethylene Liner
- 5- On/Off Switches
- 2- On/Off/On Switch
- 2- Momentary On Switch
- 6- Black Rubber Toggle Switch Boots
- 3- Amber Indicator Lights
- 3- Red Indicator Lights
- 1- Blue Indicator Light
- 1- Green Indicator Light
- 1- Push Button Start switch with Weather Resistant Cover
- 1- Sheet of Labels to Describe Switch Function
- 6- Mounting Screws
- 1- Rubber Grommet
- 3- Plugs For Box Holes Not Used
- 1- Bag Kit with Splices and an Assortment of Ring Terminals

The 50341 switch panel can be mounted in 2 ways:

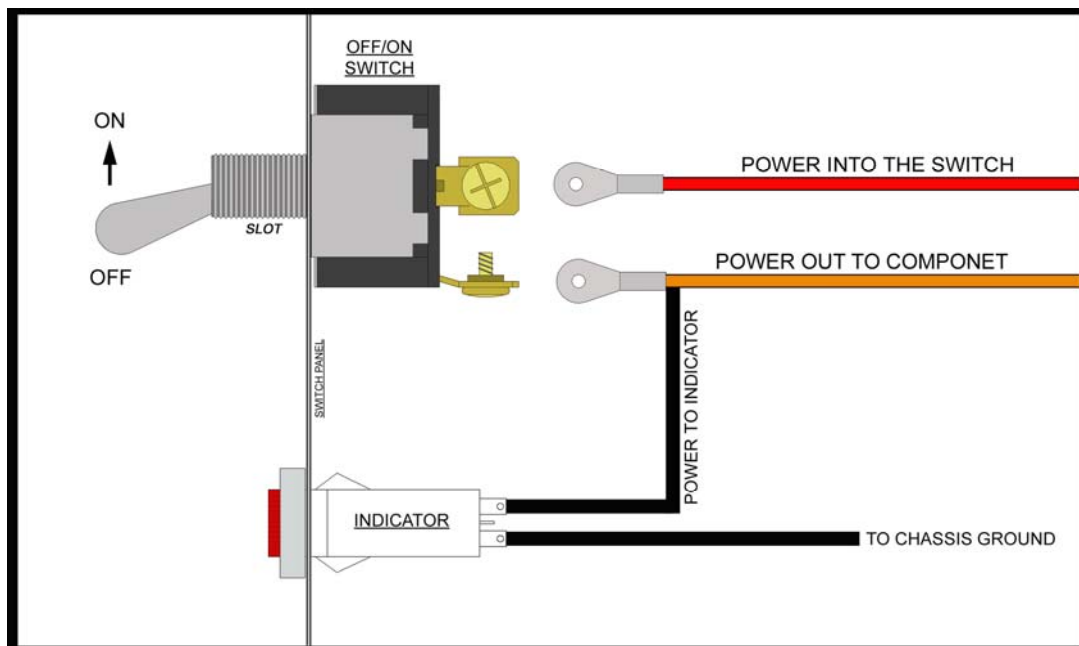
- 1) It can be mounted in the dash using the six screws provided. This method will not require using the mounting box provided with the kit.

2) The panel can also be roll cage mounted. This method will require the use of the box provided. The box can be attached to the roll cage with regular hose clamps by routing the clamp through the slots precut in the back of the box and then around the roll bar. No cutting or welding is necessary.

First decide what switches and indicators will be used for your application and install them into the panel. Start by adjusting the hex shaped backing nut on each of the switches 3/4 of the way back toward the body of the switch. Insert the switch through the switch hole opening with the slot on the threads facing down, and screw the black toggle switch boot onto the front of switch by hand until snug. Next using either a 5/8" or a 16mm deep wall socket hold the switch boot in place while tightening the hex shaped backing nut to fully secure the switch to the panel. Tightening the switch using the nut inside the switch boot could damage the shoulders around the boot. In order to allow the maximum amount of room for the switch labels, line the switch boots up with the flat sides of the hex shaped nut running parallel with the top and bottom sides of the switch panel. Follow this same procedure for installing the push button circuit breakers. **NOTE: A thread locker may be used to assist in keeping the switch mounting nuts from vibrating loose.**

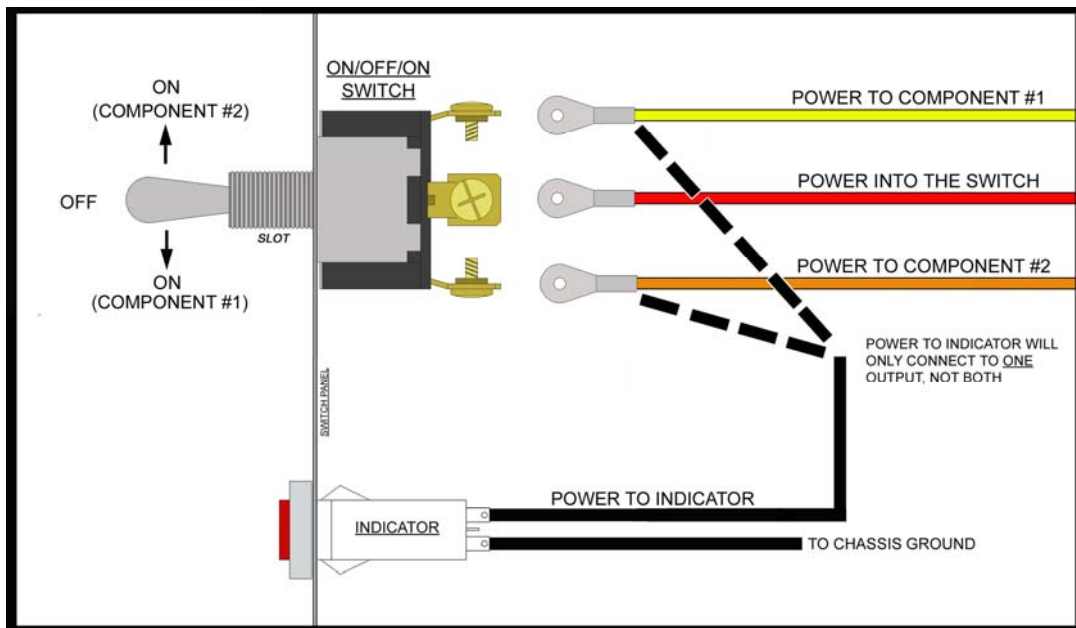
Install the Push Button Start Switch into the switch panel. Install and tighten the weather resistant retaining nut by hand. Next tighten the switch backing nut to fully secure the switch to the panel. **NOTE: A thread locker may be used to assist in keeping the ignition switch nut from vibrating loose.** The start switch has 2 connections, power into the switch, and power out of the switch to the starter solenoid. It does not matter which position carries which function.

**Illustration A**, illustrates the proper hookup of wires to an on/off switch, which will control a single device.

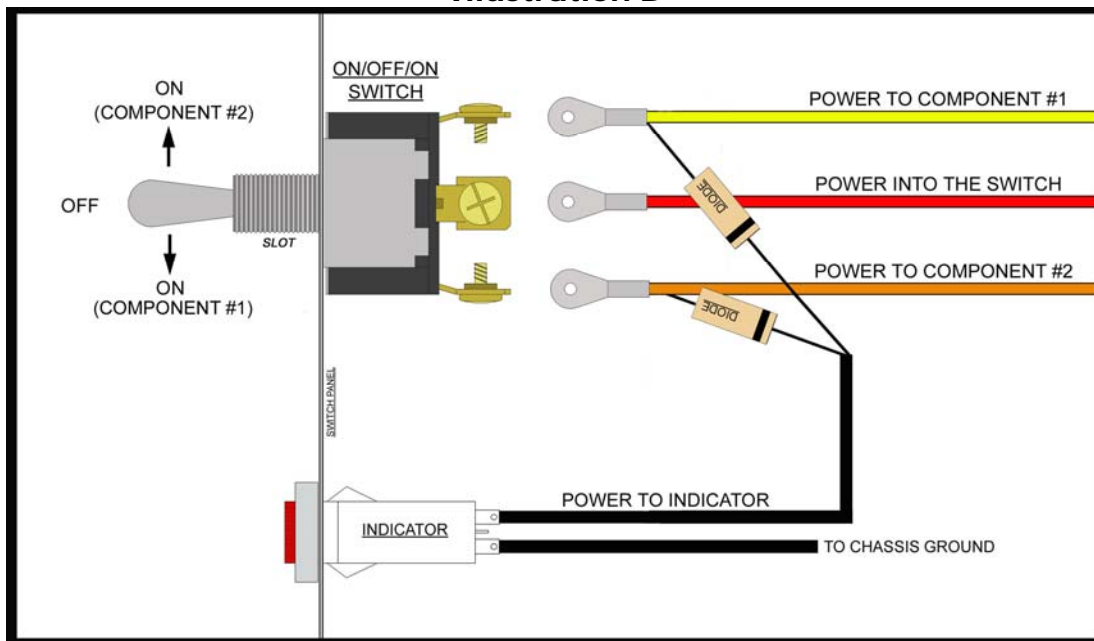


**Illustration A**

**Illustration B**, illustrates the proper hookup of wires to an on/off/on switch, which will control 2 separate devices. The Power wire to the Indicator can only be connected to one of the Output wires. Connecting it to both Outputs will only tie the Outputs together causing power to be routed to both devices no matter which "on" position the switch is switched to. **Illustration C** shows the correct way to connect the Indicator to both Outputs using diodes.

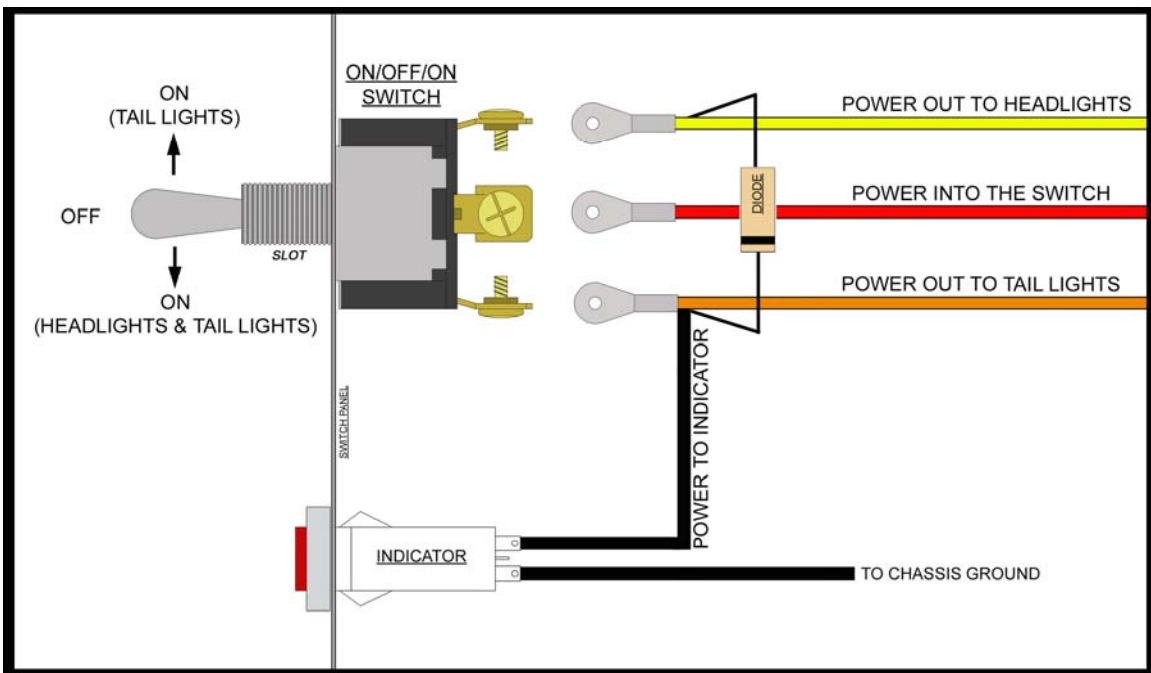


**Illustration B**



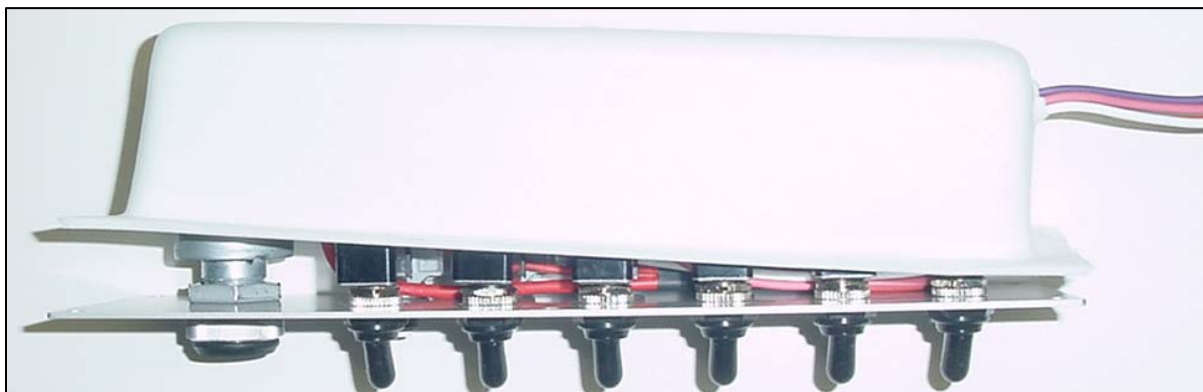
**Illustration C**

**Illustration D** illustrates the proper hookup of wires using an on/off/on switch when two devices are to be operated and one of the devices is to be on in both positions. An example might be headlights and taillights. With the switch in the upper position only the taillights are on and in the lower position the headlights and taillights are on. The diode, in the illustration, allows this function to take place.



**Illustration D**

Once all of the wires have been connected to the switches, the polyethylene liner can be installed. First decide which hole the wires will be exiting and make a small hole in the liner and pass the wires through the opening, then slide the liner over the switches and flush to the panel. If you are using the roll bar mounting box, install the rubber grommet in the corresponding hole selected in the liner and route the wires out that hole, use the plastic plugs to fill the remaining holes. Secure the switch panel with the liner installed down onto the box with the six screws provided in this kit. For dash mounted panels follow the same procedure as above, you must cut a 9-3/4" X 2-1/4" opening for the panel to allow room for the polyethylene liner. **See Figure 1** . The label sheet included is to identify each switch of its function. Simply peel off the label needed and place it under the switch wired for that function. The "R" and "L" labels are for right and left in the event an on/off/on switch is turned sideways for turn signals.



**Figure 1** Polyethylene Liner Installation

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