

## 910-62850 and 910-62860 - Turn Signal Switch

These instructions will work for our Standard Turn Signal Switch (PN 910-62850) or our heavy duty Turn Signal Switch (PN 910-62860). These switches utilize different wire colors, so please refer to the wiring charts provided below for connection. Otherwise, installation and wiring steps will be similar. These switches will work with 6-volt positive ground or 12-volt negative ground electrical systems. When utilizing this switch with a 6-volt positive ground system the power to the flasher will connect to the negative battery terminal or your hot terminal block of your original wiring harness. A 6-volt flasher unit must be used, and the indicator bulb in the switch replaced with a 6-volt bulb if you plan to use the internal indicator. Please observe all safety precautions, including disconnecting your vehicle's battery and working in a well-lit and ventilated location.

### Mounting The Turn Signal Switch

Determine the mounting location on your steering column tube, ensuring the turn signal switch body and lever clear the steering wheel and any dash switches (headlight switch, wiper switch, etc.). The included mounting clamp will work for up to 2-inch diameter steering column tubes. If your tube is larger than 2-inches you can simply replace the included clamp with one of the proper size for your application.

Once a suitable location has been verified sand to bare metal a spot on the steering column tube location where the clamp will sit to ensure a solid electrical ground. The switch body **MUST** be grounded for proper operation. If your column is not able to provide a good ground path (fiberglass dash, rubber column isolator, etc.) then add a length of 16-gauge wire under the clamp/switch body to a proper ground location in your vehicle. Loosen/expand the clamp until it is open and can be placed over the column tube. Thread the clamp through the turn signal switch body and tighten the clamp to secure. Do not overtighten the clamp.

### Wiring The Turn Signal Switch

Before you begin your turn signal switch wiring you will need to decide if you plan to use the single integral turn signal indicator lamp in the switch itself or individual dash mounted turn signal indicators for left and right turn. This decision will determine whether you will use a two-prong (PN 910-64047) turn signal flasher or three-prong (PN 910-64046) turn signal flasher.

If wiring this switch to our 22-circuit (PN 910-64022) or 12-circuit (PN 910-64017) wiring harnesses or similar style aftermarket harness with a GM turn signal switch connector you have several options:

- Use the harness supplied two-prong flasher and left/right turn indicators in your dash/gauge cluster
- Use the harness supplied two-prong flasher and a pair of 1/4-watt diodes between the left and right indicator wires connected to the switch's indicator wire (silver band on diode to blue wire for 910-62860 or yellow wire for 910-62850)
- Use a three-prong flasher and connect the switch's indicator wire (blue wire for 910-62860 or yellow wire for 910-62850) to the "P" terminal of the flasher to use the indicator integrated into the switch

Note that if you opt to use the three-prong flasher with our 22-circuit or 12-circuit (or similar) harnesses you can source your key-switched power or constant power from the turn signal (cavity L) or hazard (cavity K) feed wires in the GM turn signal switch connector by simply fabricating and installing a jumper pigtail with non-insulated male spade terminals in place of the two-prong flasher unit in the fuse box/harness.

If you are using the two-prong flasher in your fuse box/harness with dash mounted turn signal indicators simply connect the red wire (switch PN 910-62850) or black wire (switch PN 910-62860) from the turn signal switch directly to the turn signal (cavity L) or hazard (cavity K) feed wires in the GM turn signal switch connector.

## 910-62850 and 910-62860 - Turn Signal Switch

Depending upon steering column length and your existing harness connection point the turn signal switch wiring may need to be extended. Use minimum 16-gauge wiring with soldered and shrink wrapped or insulated crimp connections. If possible, try to use the same color wiring to prevent connection confusion to your vehicle's wiring harness.

Use the wiring chart below to connect the turn signal switch to your harness's GM turn signal switch connector. We offer a GM turn signal switch connector (PN 910-500428) with connector shell and terminals to make the job easier if you do not already have one. If your vehicle wiring is original, you will have to determine via a wiring diagram which wires to tap into or simply run the turn signal switch wiring directly to the front and rear turn signal bulb assemblies if your vehicle harness does not have provisions for turn signal wiring. If you opt to use the two-prong flasher in your fuse box (or a jumper with the three-prong flasher) you will not need to install the supplied red wire and inline fuse holder. This is only needed when using the three-prong flasher configuration in a freestanding wiring installation.

The red wire (for 910-62860) or orange wire (for 910-62850) is optional for brake light pass through. This wire will only need to be connected if your brake and turn use the same filament (in an 1157 bulb for example). If your turn and brake lights are separate lamps this wire does not have to be connected to the output side of your brake light switch and can be trimmed back and the end sealed.

Traditionally, hazards work with the key off or on, while turn signals only work with the key on. When wiring your switch's flasher, be it a free-standing three-prong or the two-prong turn/hazard option in a modern wiring harness, understand that if you wire to a hot at all times circuit both hazard and turn signals will work with the key off. Alternatively, if you wire to an ignition switched circuit your hazards and turn signals will only work with the key on.

### **A Note on LED Bulbs**

This turn signal switch is designed to work with standard incandescent bulbs but will work with modern LED bulbs if dummy load resistors (PN 910-03030) are used inline with the LED turn signal bulbs. Dummy load resistors should be installed in the front light circuits to prevent excessive heating during times that the brake may be applied for extended time (such as stopped at a stop light). An alternative method is to use a two-prong LED flasher unit with ground wire; however, this is only an option when a modern wiring harness in the car is used.

### **Switch Operation**

To operate the turn signals, move the turn signal lever up or down to enable the right or left turn signals to flash. After completing your turn move the lever back to the off/neutral position.

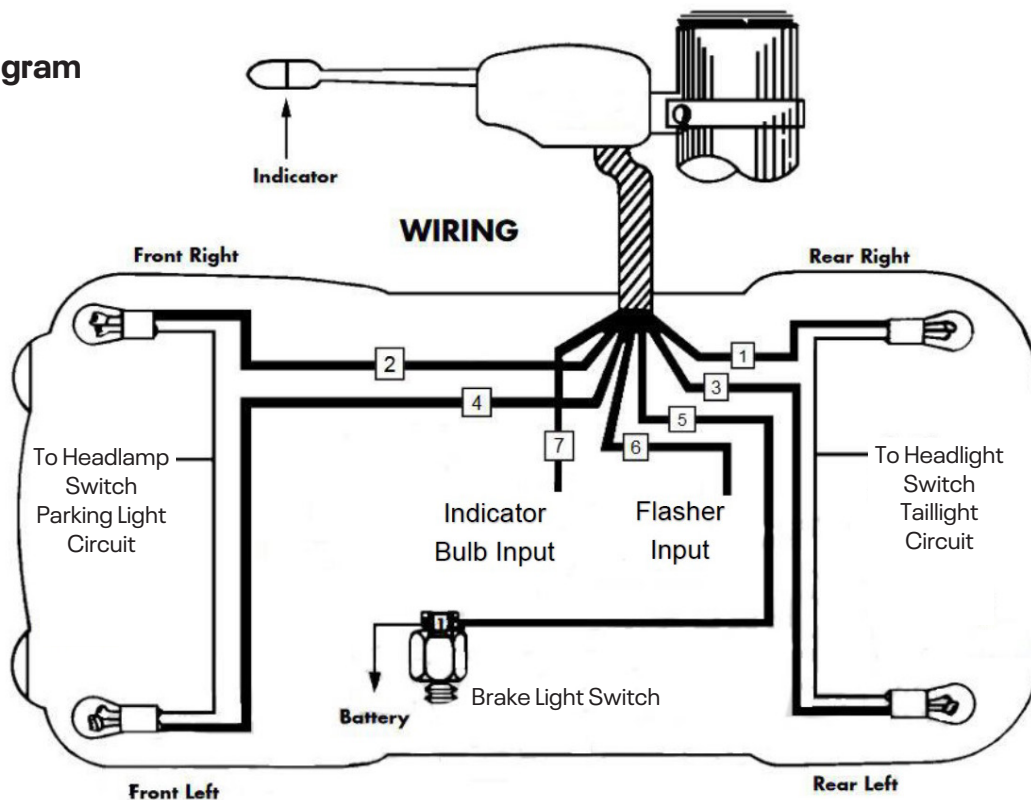
To enable the hazard/four-way flashers pull the red knob outward to engage while the turn signal lever is in the off/neutral position. To cancel the hazard/four-way flashers move the turn signal lever up or down.

# INSTRUCTIONS

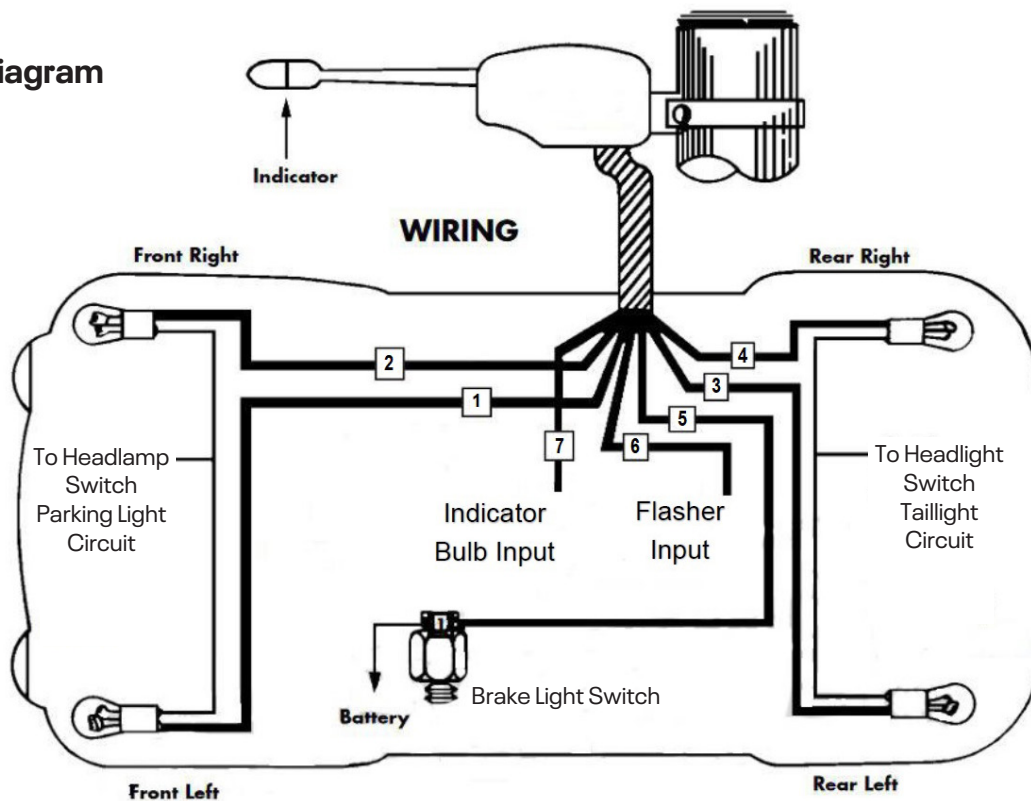
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### 910-62850 Diagram



### 910-628560 Diagram



# INSTRUCTIONS

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How to hook up Turn signal switch 910-62850 and 910-62860 to wire harnesses 910-64022:

Turn Signal 910-62850		22 Circuit Harness 910-64022	
Circuit #1 Black, right rear turn lamp	connect to	Circuit #19 Dark Green, right rear turn (cavity N)	
Circuit #2 Sky Blue, right front turn lamp	connect to	Circuit #15A & B, Dark Blue, right front turn (cavity J)	
Circuit #3 Dark Blue, left rear turn lamp	connect to	Circuit #18 Yellow, left rear turn (cavity M)	
Circuit #4 Green, left front turn lamp	connect to	Circuit #14A & B, Light Blue, left front turn (cavity H)	
Circuit #5 Orange, stop switch	connect to	Circuit #17A White, brake light switch wire (cavity P)	
Circuit #6 Red, Flasher, Terminal "L"	connect to	Circuit #16 Purple, turn switch feed (cavity L)	
Circuit #7 Yellow, Flasher, Terminal "P"		Not Used	

Turn Signal 910-62860		22 Circuit Harness 910-64022	
Circuit #1 turn Lamp, Left Front - Yellow	connect to	Circuit #14A & B, Light Blue, left front turn (cavity H)	
Circuit #2 turn lamp, Right Front - Green	connect to	Circuit #15A & B, Dark Blue, right front turn (cavity J)	
Circuit #3 turn lamp, Left Rear - Orange	connect to	Circuit #18 Yellow, left rear turn (cavity M)	
Circuit #4 turn lamp Right Rear - Brown	connect to	Circuit #19 Dark Green, right rear turn (cavity N)	
Circuit #5 Brake light switch - Red	connect to	Circuit #17A White, brake light switch wire (cavity P)	
Circuit #6 Flasher, Terminal "L" - Black	connect to	Circuit #16 Purple, turn switch feed (cavity L)	
Circuit #7 Flasher, Terminal "P" - Blue		Not Used	

How to hook up Turn signal switch 910-62850 and 910-62860 to wire harnesses 910-64017:

Turn Signal 910-62850		12 Circuit Harness 910-64017	
Circuit #1 Black, right rear turn lamp	connect to	Circuit #21 Green, right rear turn signal (cavity N)	
Circuit #2 Sky Blue, right front turn lamp	connect to	Circuit #16/17 Blue, right front turn signal (cavity J)	
Circuit #3 Dark Blue, left rear turn lamp	connect to	Circuit #20 Yellow, left rear turn signal (cavity M)	
Circuit #4 Green, left front turn lamp	connect to	Circuit #14/15 Light Blue, left front turn signal (cavity H)	
Circuit #5 Orange, stop switch	connect to	Circuit #18 White, brake light switch wire (cavity P)	
Circuit #6 Red, Flasher, Terminal "L"	connect to	Circuit #25 Purple, turn flasher power feed (cavity L)	
Circuit #7 Yellow, Flasher		Not Used	

Turn Signal 910-62860		12 Circuit Harness 910-64017	
Circuit #1 turn lamp, left front - Yellow	connect to	Circuit #14/15 Light Blue, Left front turn signal (cavity H)	
Circuit #2 turn lamp, right front - Green	connect to	Circuit #16/17 Blue, Right front turn signal (cavity J)	
Circuit #3 turn lamp, left rear - Orange	connect to	Circuit #20 Yellow, Left rear turn signal (cavity M)	
Circuit #4 turn lamp, right rear - Brown	connect to	Circuit #21 Dark Green, right rear turn signal (cavity N)	
Circuit #5 Brake light switch - Red	connect to	Circuit #18 White, brake light switch wire (cavity P)	
Circuit #6 Flasher, Terminal "L" - Black	connect to	Circuit #25 Purple, turn flasher power feed (cavity L)	
Circuit #7 Flasher, Terminal "P" - Blue		Not Used	

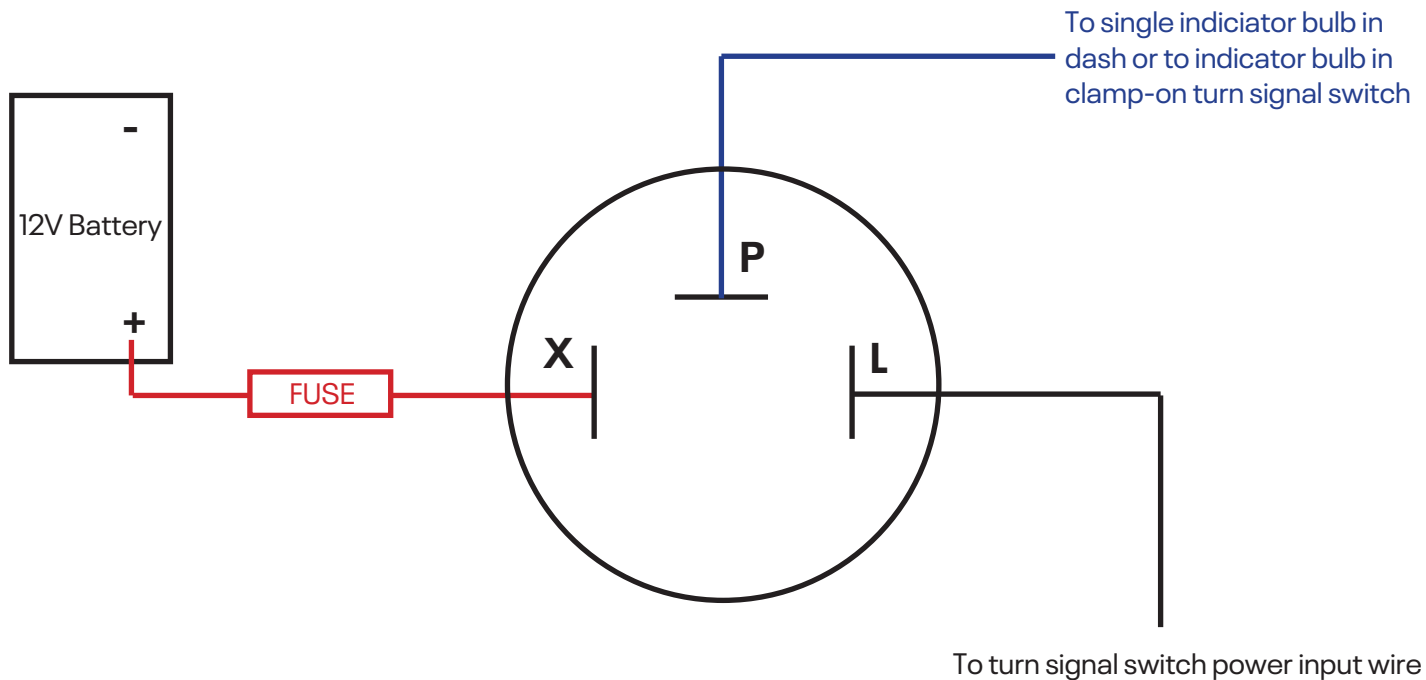
# INSTRUCTIONS

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## Wiring Diagram for a 3-prong Turn Signal Flasher

This style of flasher is commonly used with clamp-on turn signal switch units with single integral turn indicator bulb. It may also be used with a single dash mounted turn signal indicator bulb, either in a factory gauge or with a single green bulb indicator installed, such as our PN 911-31054-GRN.



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