

1964-1966

The turn signal fuse controls three circuits. Brakes/Turns, and tail lights.

A short in either of these circuits will blow the fuse. The turn signals are the only ones that require the ignition to be on. Here's how to trouble shoot.

1. with the key off, step on the brakes, does the fuse blow?

The brake lights and the turn signal lights use the same wiring and bulb filaments through the turn switch, to the rear of the truck. If the fuse does not blow then the problem is most likely a pinched wire in the turn switch.

The hazard lights also work with the key off and should blow the fuse as well

If the fuse blows then it may be a pinched wire in the column or a shorted wire in the wires to the rear. If you have the original color code the two turn/brake wires will be dark green for the right side and yellow for the left side. Your column harness may be different colors so we can sort that out.

If you have a multi-meter and are familiar with using it, finding the short is fast and easy. But first you have to identify the brake/turn signal wires and the other wires.

With the column harness plug disconnected, and the meter set to ohms, check for less than 1 ohm between the yellow and dark green wires and a good ground, that go to the rear of the truck. If you pull the bulbs you should get infinity otherwise you will read the resistance of the bulb, but it should read more than 1 ohm. I don't remember the reading of the 1157 bulb filaments. I think it's around 75 ohms though.

If you get a high ohms reading then the short is most likely in the column. Did the fuse blow in both directionals or in one or the other?

This is the typical turn signal column connector in a crescent shape, The aftermarket ones may come in a flat style with an adapter.



Notice that the wire positions and the colors may not match, but usually the wires are located as follows.

1. Black- horn wire from horn relay.
2. front parking light
3. front parking light
4. Brown hazard lights
5. Violet-for turn signals
6. Dark green- right turn signal
7. Yellow left turn signal
8. White for brake lights

These match the connector in his left hand. They are also the colors in the wiring diagrams.

Once you identify the turn signal wires from the column you can check them with the multi-meter for resistance to ground. Connect the meter red lead to either the yellow or dark green wire and the black lead to ground. Then select the left or right turn with the TS switch and look for the low ohm reading. If you get it then the short is in your column and the switch is shorted or one of the wires is pinched. You won't need to have the key on for the meter checks.

2. with the key off turn on the lights, does the fuse blow?

The park lights run through the headlight switch and should not blow the fuse.

When you select a right or left turn with the turn signal switch, the brake power to that side is cut out so that the light can flash. If your light is going solid it means that the brake light power is still connected through the switch. You may have a bad switch or a short between the turn signal pin and the brake light pin in the turn signal switch.

## Troubleshooting Turn Signal Systems

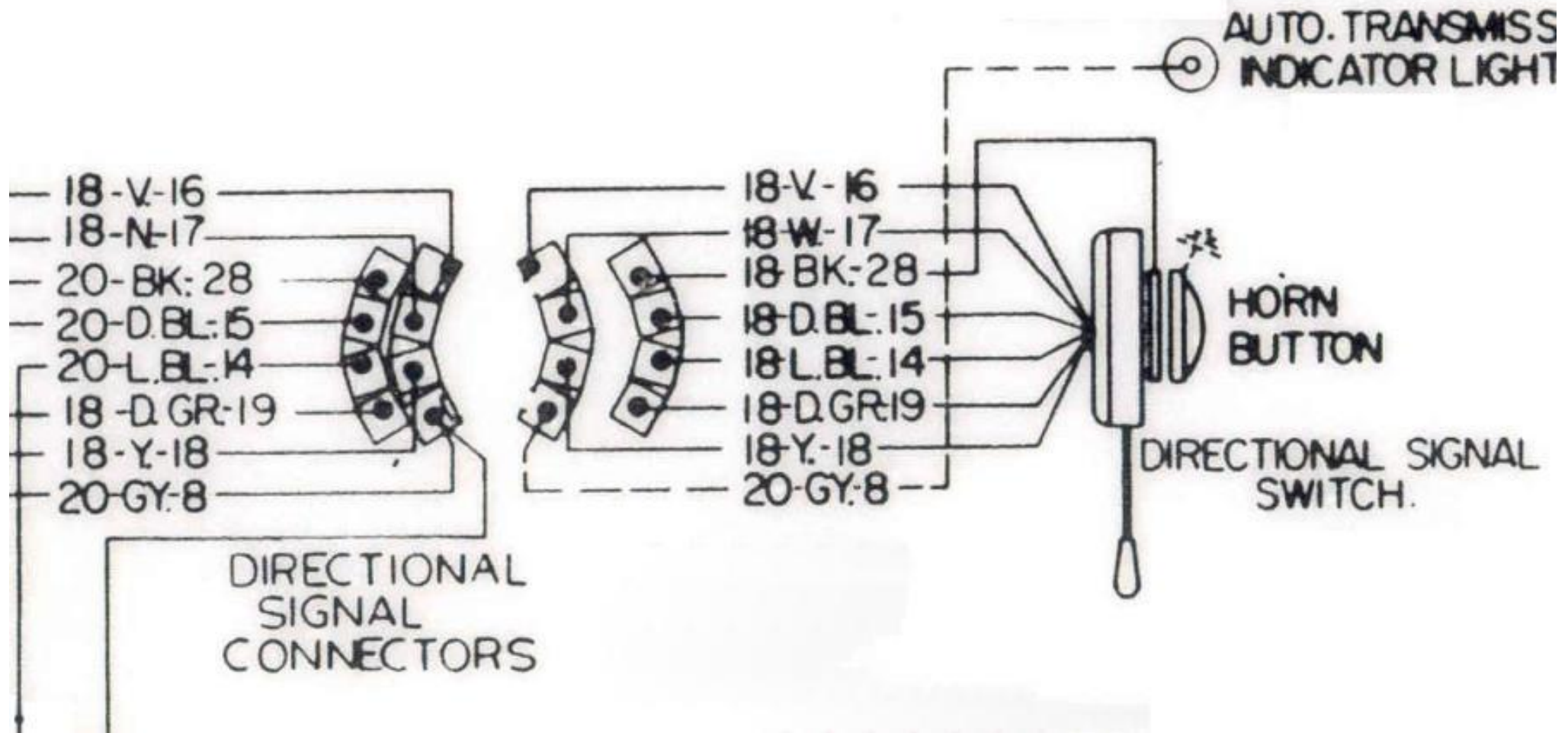
Be sure you have checked out your lighting & wiring on your truck before going to this step, used the links below to make sure your problem is not in the column first. Once you have check every thing out & narrowed it down to the column wiring or switch, then come to this page & use the diagrams below for the year of truck you have, 1960-61, 1962 or 1963-66.

The most common problem is that either the brake lights won't work or one side of the other is not working. Power comes to the signal switch from two places, one from the flasher, the other from the Brake light switch. If none of the lights flash, check the flasher & fuse. If you find either one bad replace it. Check go power from the brake light switch with the peddle depressed. if you have power on both these input them they should be good to the switch.

Stop light power is canceled by the turning switch. If you don't have any brake lights, but have power to the switch, then You have a bad turn signal switch. If the Turn light works but not the brake, you can just bypass the turn switch, run a wire to the rear for brake lights & add some lights for the brakes. this will save you from having to tear apart the steering column. You replace the switch to get them working again too.

If you find one side or the other of your turn lights not working, & you have check the light & wiring first and that part if OK, then again you have a bad turn signal switch. You'll need to replace it with a new one or replace the whole steering column with a know god one from another truck. If you go this route, you mite as well get a tilt column while your at it. Many Vendors sell replacement columns. If you pull out your switch, you mite be able to match it to something that will work, some of the members have done this. As far as we know, no one makes a replacement for GMC Trucks. They do make one for Chevrolet trucks & you could always swap one of those into a GMC with out too much trouble.

GMC used one light on the dash for Turn Signals, so if you don't have your front lights working right, it won't work right. It grounds through the opposite side when the lights are no.



## How Its Wired 1963-66

These trucks should have a switch mounted Under the steering wheel with the wires come down the inside of the column. There will be a Black colored 8 wire plug on the left side of the column. This plug is curved double row plug with four post in each row.

### 1963-66 Turn Signal Plug Wiring

(18-V-16) Violet is the Flasher feed to the switch.

(18-N-17) Natural is the power feed from the Brake Light Switch.

(20-BK-28) Black is the ground from the horn relay to the horn button.

(20-D.BL-15) Dark Blue is the Right Front Turn light.

(20-L.BL-14) Light Blue is the Left Front Turn light.

(10-D.GR-19) Dark Green is the Right Rear Turn/Brake light.

(18-Y-18) Yellow is the Left Rear Turn/Brake light.

(20-GY-8) Gray is the Panel Light used only with Auto trans.