

A-13310 Hidden Turn Signal Kit

Congratulations, you have just purchased one the most modern turn signal kits today in the U.S.A. for antique vehicles and various modern uses. It has a one-year warranty (with receipt) from date of purchase for any defects, which may occur. The turn signal flasher that plugs into the side of the brain box is not under warranty and is available at most parts supply houses, if it ever needs replaced. When speaking of the brain box, it is the black plastic box with the electrical components inside. This box should never be opened, as it will void the warranty .

Helpful hints:

1. Always disconnect the battery when working on any wiring.
2. BE SURE OF THE TYPE OF SYSTEM YOU ARE INSTALLING THIS UNIT ON!!!!
FAILURE TO DO SO WILL DESTROY THE UNIT AND VOID THE WARRANTY!!! Look at the brain box and determine that it has the same ground system as your vehicle before you go any further!
3. When connecting wires to metal on the body or frame always remove paint for good contact.
4. Please be sure to use a fuse on your starter. Not only to protect the turn signal kit, but to also protect your vehicle from the possibility of an electrical fire.
5. Connect the brain box through a fused terminal.
6. Use a small screwdriver on terminals located on brain box.
7. If any problems arise, feel free to call BJ Miller, Monday thru Friday at 513-738-2552.

Now to install this kit, it is very easy but you must note there are several ways you may want to go.

First, pick the location for your brain box. Most Model A's have enough room behind the kick panel on the driver's side as one choice or the firewall inside the car under the gas tank as another. Behind the kick panel is my choice and seems to work the best. It is also possible on Coupes and Roadsters to mount underneath the seat but you must protect the wires and terminals from tools or parts touching them. Now when you have decided the location make sure the surface is clean and dry of any oil. If you are in doubt of the Velcro holding on the location you choose, put super glue on the adhesive for extra strength. Place it where the terminals are easy to get to but also protected from anything hitting them. Note the terminals are marked on the outside of the box so you can attach your wires to the correct terminals.

Next you can mount the switch assembly to the gearshift. Remove the shifter knob, raise the boot up and fish the phone plug and wire through the top of the boot and assemble the switch assembly over the gear shift where it feels easy to reach with the knob on, tighten the 3/32 set screw with an Allen wrench. Be very careful not to stress the wire that comes out of the switch bracket, as it is fragile. Now use black plastic tape and secure the phone cable neatly to the gearshift so it lies flat all the way to below the boot and let the wire lie beside the transmission on the left side. If you spray paint your plastic tape on the gear shift it won't get sticky in hot weather. You can also tape in a couple of places to keep it tight, and then use clear silicone to attach the wire. After silicone is dry, carefully remove tape.

Now run the cable line underneath the car and up into the body as to where you put the brain box. There is room for the phone plug that plugs into the brain box, to go up through the bottom of the kick panel between the sub frame and body, but be extremely careful not to damage the phone cable end. Make sure that underneath the rubber boot on the transmission that the wire is free to flex a little as you shift gears. If it looks like it will rub hard in one spot wrap tape around the wire to give it extra protection. Once the phone cable is run it just plugs in the brain box next to the terminal strip.

If the brain box is mounted under the seat you may need to drill one hole in the body near the box for all your wires. If it is mounted on the inside of the firewall or behind the left kick panel you can run the wires through the bottom of the kick panel area to the underneath side of the car without drilling any holes. The 20-inch wire with the eye attached must be attached to the body for ground.

Now, one way to hook up your lights is with the light kits available, and not disturb your brake light. You simply run a supply line of 14-gauge wire from your starter to the supply terminal wire with the in-line fuse. Run wires from the four terminals on the brain box to the proper lights you have added to your car. There will be no wire running to the brake terminal on the brain box, again if you choose to use just the one stock back brake light that came with the car. This completes the installation for those who want to use independent lights in the back and not disturb the original light.

Now, the other way to install the kit is using your brake lights that you have on the car. Of course, to have turn signals in the rear you must have two brake lights, one on the left side and one on the right side. Remove the wire from the brake light switch that goes to the back two brake lights and add enough wire to that wire to run it to the left rear terminal on the brain box. Disconnect the jumper wire that connects the right brake light to the left brake light on the backside of the car. Note, just the brake light wire, leave the tail light wire alone. Now add enough 14-gauge wire to the right brake light wire and run it up the left side of the frame and to the right rear terminal on the brain box. Now run a 14-gauge wire from the terminal on your brake light switch where you have just disconnected a wire and run it to the brake terminal on the brain box. Run the two front light terminals to whatever you choose. It maybe cowl lights on a 30-31 if you changed to a double filament, or to a front light kit now available if you have a 28-29. The last wire to run is the 14-gauge supply wire from your starter terminal to the supply on the terminal box. You may also use the parking light in the headlight. Please be aware of your local laws for turn signal colors and mounting.

Test your turn signals along with your brake lights to ensure proper installation. If the buzzer is too loud, simply put a piece of electrical tape over the center. We also have 4-way flasher hookups available. Call for more information.

This completes the installation of your turn signals and if you're happy with them please tell a friend. If you're not, please call me so we can find out why.