



TSS-GEN - General Turn Signal System

Thank you for purchasing XTC Power Products Turn Indicator Kit. Our new Easy Install Turn Signal System is unique from the other kits on the market. This kit is from our Plug & Play™ product line, no wires to cut, no crimping with only power, ground and plug it into the OEM harness. Like many cars on the road today, our kit uses the factory brake lights as turn indicators. Like many cars on the road today, our kit uses the factory brake lights as turn indicators. The new General does not require pulling the car apart to install the turn kit, only the Hood, one inspection panel and the dash storage box need to be removed, that's it!

For more details on installation go to www.xtcinstall.com

Please read the instructions fully and familiarize yourself with the components before starting the install.

1. Remove the hood, and center console inspection panel on the passenger side by removing the three fasteners



2. Mount the Control Unit as shown using two self-tapping screws provided.



3. Mount the fuse holder on the fire wall using the provided self-tapping screw shown above right.

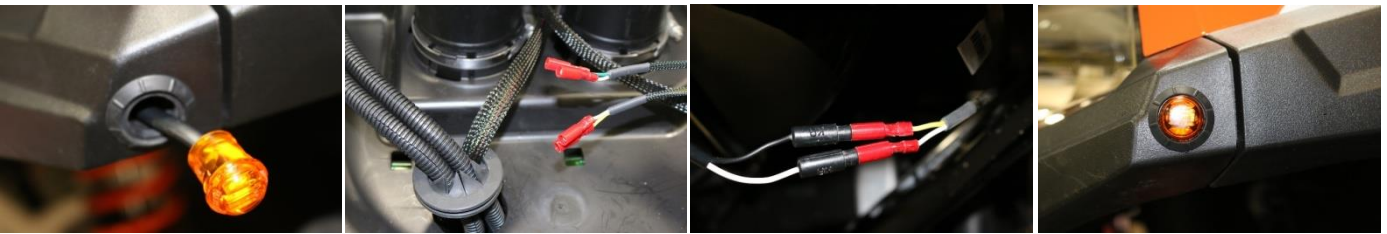
WARNING! Make sure to keep the harness away from any hot or moving parts

4. Under the rear bed is the OEM rear tail light harness, unplug the connector and plug our long harness into it. Run the 4 Pin connector to the front of the car. Follow the air intake tube down to the center of the car, the cable can be pulled through the inspection area in the cab up the fire wall through the rubber grommet. Insert this connector into the control box connector.



WARNING! Verify that there is clearance where you want to mount the front LED lights before drilling the holes.

5. Drill $\frac{3}{4}$ " holes in the front corners to mount the right and left LED's, remove the rubber grommet from the LED and insert into the hole, then re insert the LED into the grommet with the TOP mark at top. The Lights may be mounted anywhere on the front of the car, for the sample we chose the corner of the trim because it can be seen from both the front and side of the car, **however the clearance is very tight.** If choosing this location use the rubber grommet as a template and mark as far forward and as low as you can to avoid lip on inside.



6. Plug the short Front Harness into the Control Box. Run the front right and left wire harness through the center grommet as shown, the green and white wire go to the right side of the car and the yellow and white go to the left side, connect the green wire to right black wire and yellow wire to left black wire and white to white on both. **NOTE: The Black LED wire is positive and goes to the yellow and green wires, they will not work if reversed, white is ground. Secure the Harness using the provided cable ties.**
7. Install the Turn and Horn/Hazard Switches. The switch cutout can be cut in the dash or the switch panel can be removed by pushing down and out on it as shown. Using a new sharp razor, cut two switch rectangles out. Do not over cut, try inserting switch and trim as necessary. It helps to rock the razor to cut.



8. Run Switch Harness - Push the 10 pin Horn connector through the grommet in center, then push the 8-pin Turn switch connector through. Note: The grommet can be removed and stretched over the switch connector and reinstalled. Run the connectors through the rectangle switch cutouts and use included grease (see step 9) then connect to turn switch and slide switch into dash as shown.



9. **Dielectric Grease** - LED flashers by design take very little current to activate. When water gets on the dash and lands on the top of the switch, it can trickle to the connector causing it to activate the flasher by using the switches LED indicator, the system will continue to operate and does not hurt the system but will continue clicking until the switch terminals dry. Just like the OEM we recommend using Dielectric Grease on all switch terminals, this keeps the water out and will stop the clicking, it also reduces corrosion and increases reliability! Open the grease and put on the switch terminals and the connector terminals, the more the better, also put some on the Horn/Hazard switch terminals. It should also be used on any extra switches that you may have installed.

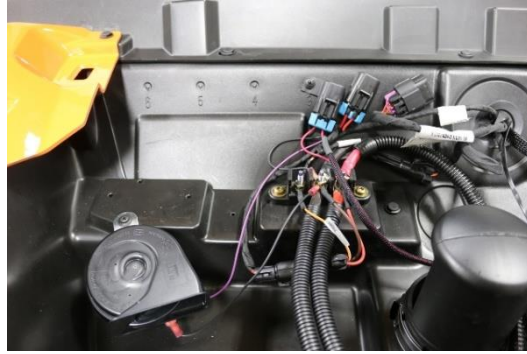


10. Install the Horn. Using two pairs of pliers bend the horn mounting bracket into a Z bend as shown. Mount onto the horn, using the included #10 x 1" screw, mount the horn into the hole closest to the front left area as shown.



Connect the violet wire to one of the horn terminals and the black wire provided to the other terminal, run the black wire over to Buss Bar and attach to ground. If the car has not been upgraded with the Buss Bar Power Up Kit or Winch Kit, then the black wire will need to be grounded to the buss bar mounting screws

11. Run the power wire from the fuse that was mounted earlier to the 12vdc accessory stud on the bus bar, also attach the black wire to ground.



(Note: The car does not have ground hooked on any of the studs under the hood unless the Bus Bar Power Up kit or Winch kit are installed, the first stud is keyed 12vdc, second stud is ground if wired and the third stud in battery direct if installed, **but no fuse or circuit breaker. You must run a ground wire from the chassis to the ground stud or run our black ground wire directly to the chassis for a ground if upgrade is not installed)**

12. Verify operation of all lights.
13. Using the provided Cable Tie's secure the harness completely. Reinstall removed parts

Optional - The Tan wire next to the Turn Switch is for an optional Dash Indicator. When the TSS is activated it will flash 12 VDC that can be attached to an Optional Dash Mounted LED Light. More Information can be found at www.xtcinstall.com

For more details on installation go to www.xtcinstall.com
We can also be reached by email at support@xtcpowerproducts.com

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*Disclaimer: This kit is intended for off road use only and XTC Motorsports claims no responsibility for it use. It is up to the purchaser to make sure it complies with all Federal, State and Local laws.

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