



# TSS-UNI UNIVERSAL TURN SIGNAL SYSTEM

Thank you for purchasing XTC Power Products Turn Signal System. Our new Easy Install Turn Signal System is unique from the other kits on the market. This kit is completely plug and play, no wires to cut with only power, ground and install the four LED turn lights.

**For more details on installation along with model installation go to [www.xtcinstall.com](http://www.xtcinstall.com)  
Please read the instructions fully and familiarize yourself with the components before starting the install.**

1. **Mount the Control Unit** under the dash or other suitable place using the supplied screws.

**WARNING! Verify that there is clearance before drilling the holes for the LED's and keep the harness away from any hot or moving parts.**

2. **Install the two front LED lights** - Drill  $\frac{3}{4}$ " holes in the front corners, remove the rubber grommets from the LED's and insert into the holes, insert the LED's into the grommets with the mark TOP on top.



3. **Run the short front harness** from the front LED lights to the control box and plug into mating connector. The Green wire harness go to the right/passenger side and the yellow wire harness go to the left/driver's side. Both green and yellow wires are positive and go to the black wire on each side, the white wire goes to white. Secure the harness with the provided cable ties. **NOTE: Black wire is positive, and the White is ground, they will not work if reversed.**
4. **Install the rear lights**- Decide where to mount the two RED LED lights, if purchased kit came with round  $\frac{3}{4}$ " lights, drill the  $\frac{3}{4}$ " holes, remove the rubber grommets from the lights and insert into the holes, then insert the LED's into the grommets with the mark TOP on top. If purchased with optional 4" thin red LED's lights, find a suitable place to mount them, they can be mounted with the 3M double sticky tape or with screws.

**Optional RZR Old Style Light Modification:** Remove both tail lights from the rear of the car. Using a step drill, drill a 3/4" hole in each of the tail lights as shown in the photos.



Slide rubber grommet off the LED, insert LED through the hole with wires coming out, then install rubber grommet into hole making sure wire comes through the grommet, using soapy water in the grommet, pull the LED light back through the grommet. If it seems to tight drill out holes out to 13/16".



Attach the wires to the lights (green and yellow to black and white to white) and remount the lights.



5. **Run the Rear Harness** - Start at the right rear of the car and attach the Green and White wires to the right rear LED, the Green gets attached to the black wire and the white to the white wire. Do the same for the left, the Yellow wire gets attached to the black wire and the white wire goes to the white wire. Run the rest of the harness with the four-pin connector up to the control box and plug into the mating connector, make sure to keep the harness away from any hot or moving parts, secure with provided cable ties. **NOTE: Black wire is positive, and the White is ground, they will not work if reversed.**

6. **Using the rear lights as brake lights, this step is optional** - The orange wire coming out on the rear harness is used to activate the rear lights as brake lights for more visibility. To use verify that your car uses positive voltage through the brake switch using a test light. Using the provided wire tap, tap the orange wire into the output side of the positive switch or to a brake light positive wire. **Sample installs can be seen at [www.xtcinstall.com](http://www.xtcinstall.com)**

**WARNING! Verify that there is clearance behind dash for Turn, Hazard and Horn switch's**

7. **Install the Turn and Horn/Hazard Switches** - Using the switch housing as a template, mark the rectangle for the turn switch and drill a hole in each corner, cut out the rectangle. Do the same for the vertical Horn/Hazard Switch. If you are unable to use keyed power for the TSS System, then the Horn Switch light will need to be disconnected. See Power Options Below! \*. Install the switch mount into the cutout, run the switch connectors through the cutout and grease (see below) the switch terminals on both sides and attach and insert into cutout.



8. **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.



9. **Mount the Horn** -Pick a suitable place to mount the horn using the included hardware. Attach the purple wire from the front harness to the horn and attach the black ground wire to the other and run to chassis ground.
10. **Run the power wire.** Attach the red wire to switched/Keyed 12vdc and the black wire to ground. If there are no factory posts, use the included T-Taps. Find 12vdc like the accessory power out or other switched/keyed power and crimp the taps into the positive and negative wires. Cut off the ring terminals, strip and crimp red male slip connectors on. Insert the red wire with new connector into the previously installed taps, make sure the red goes to positive and the black goes to the negative. If unable to locate switched power, then connect directly to battery, fused red wire to positive and black to negative, see note below.

**\* Full Time Power:** If running the TSS on full-time power the horn switch light will need to be disconnected. The **Red** wire going into pin 8 of the switch connector needs to be removed. Using a very small screw driver on terminal 8 slide into the bottom rectangle, push down while pushing in until the red wire terminal comes out. We have included an Optional 12" yellow wire with a switch terminal that can be wired to the headlight or dash lights that is not on full time. Connect the Yellow wire to the source and insert into the rear of the 8-pin housing into socket 8, make sure it is fully inserted. Cover exposed terminal with tape/shrink or cut off or can cause short



Verify operation of all lights and secure the harnesses with the provided cable ties.

**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.

**For more details on installation go to [www.xtinstall.com](http://www.xtinstall.com)**

We can also be reached by email at [support@xtcpowerproducts.com](mailto:support@xtcpowerproducts.com)

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

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