



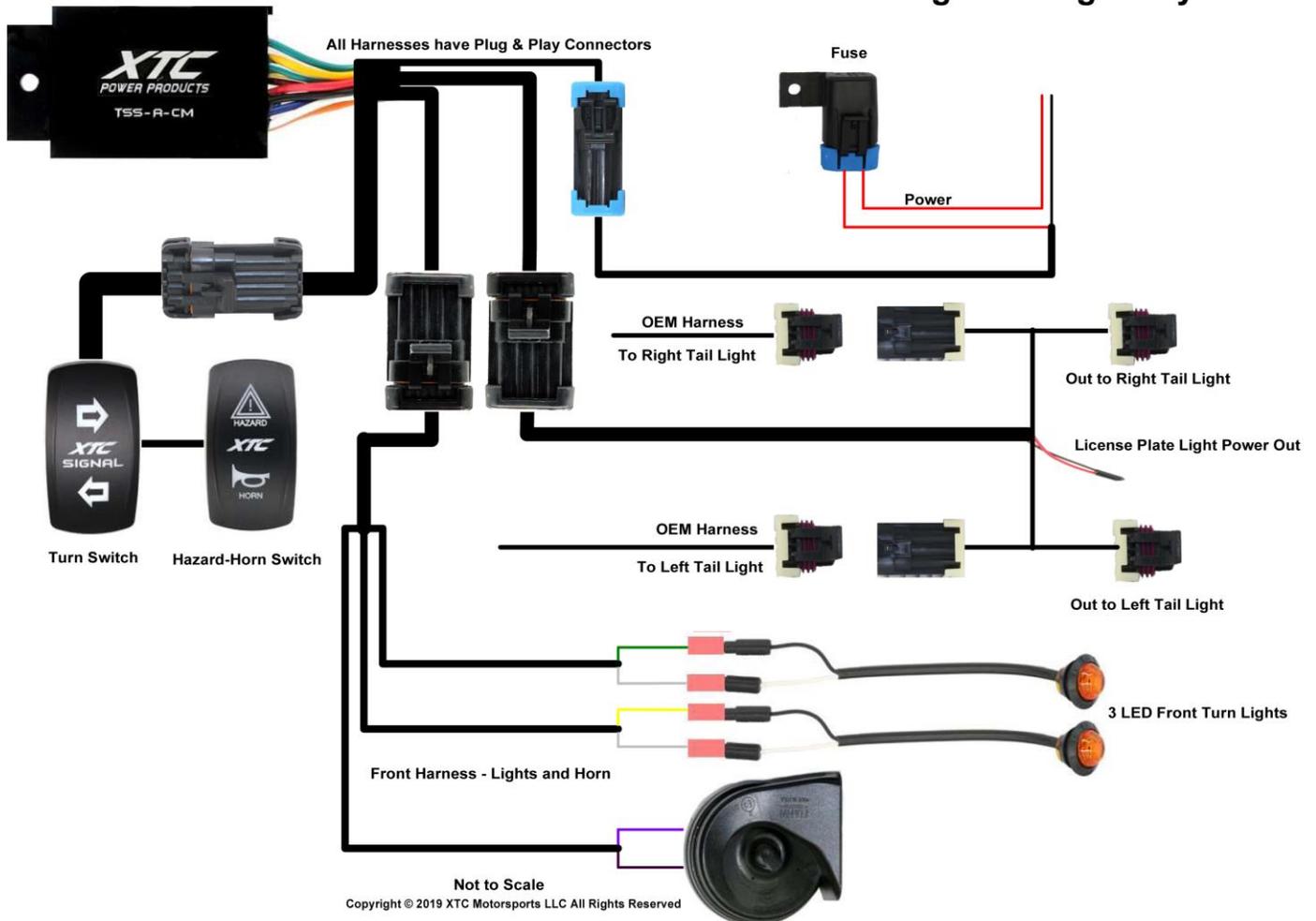
Honda Pioneer Turn Signal System

Thank you for purchasing XTC Power Products Automatic Self-Canceling Turn Signal System. Our Easy Install Turn Signal System is unique from the other kits on the market. This kit is from our Plug & Play™ product line, with only connecting power, ground and plugs into the OEM Tail Light Harness, utilizing the brake lights as Brake and Turn Signals.

Please read the instructions fully and familiarize yourself with the components before starting the install. Remember that these are basic instructions and you can install in other locations if needed.

NOTE: When installing make sure that wires are run away from any hot or moving parts and properly secured.

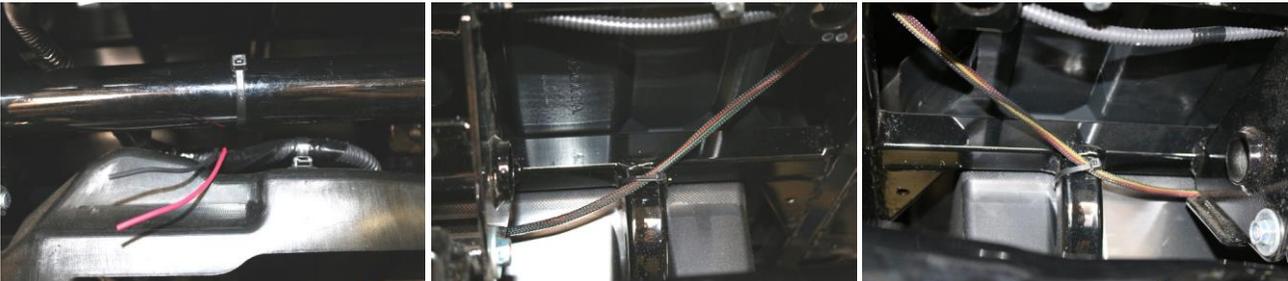
ATS-HON1000 Automatic Self-Canceling Turn Signal System



1. Remove the hood and both tail lights. **Note: We found removing the front skid plate can make it easier to run the cable, but it can be installed without removing it by removing the seat.**
2. Using the provided screw mount the Control Module in the open Cavity **or** on the clear area on the side.



3. Drill a 3/8" hole in the side of the opening and mount the horn using the nut provided (shown above). Hook the violet wire and black ground wire to the horn terminals.
4. Unroll the long cable. Start from the rear of the car and take the 4-pin connector and slide it into the engine area following the rear factory wires to over the engine, pull it all the way through until the license plate light wires are lined up with the rear wire harness. Run the longer cable with the green wire over to the right rear light and up into the rear light housing and secure with provided cable ties to the frame trunk supports. Run the short yellow set over to the left side and secure to supports.



5. Plug the factory light connector into the new harness then plug into light and reinstall light, do the same for the other side.



6. From the engine area run the long cable from the rear of the car to the front, keep it away from any **HOT or MOVING** parts. Take the 4-pin connector and run along the group of factory wires to the brake line. Follow the brake line to the center of the car under the seat, go across to the factory wiring and follow it to the fire wall and up to under the hood and plug into control module, secure the harness to the frame and brake line using the provided cable tie's.
7. Mark and Drill 3/4" holes in the front fender and mount left and right turn lights **CAUTION: Verify there is proper clearance inside before drilling.**



Insert the grommet into the hole, take the wires from the LED and insert into grommet, the LED has a TOP mark on it, insert it into the grommet with the TOP up.

8. Plug the front cable harness into the control module and run the cable with the Green and White wire to the right side, run the Yellow and White to the left side LED, Green and Yellow wires go to the black wires on the LED, White to White, bring excess wire back toward the control module, secure wires with cable ties.
9. Remove the cover under the steering wheel by removing the two fasteners, this will give you access under the dash to run wires, also remove the cup holder on the driver's side.
10. Remove the switches from the harness and run to the left side of the steering wheel, keep the wire away from the steering shaft.



CAUTION: Verify there is proper clearance behind dash for the switch before cutting!

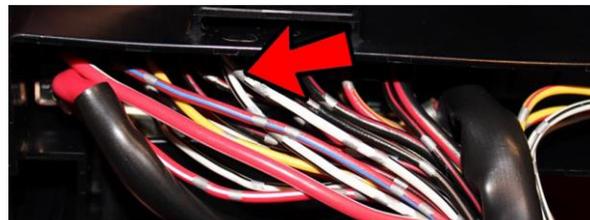
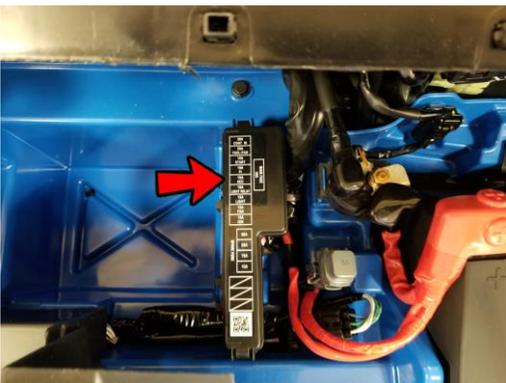
11. Install the Turn and Horn/Hazard Switches - Using the provided switch template, mark the rectangle for the Turn Switch and drill a hole in each corner, cut out the rectangle, do not over cut, trim carefully. Do the same for the Horn/Hazard Switch. Run the switch connectors through the cutout and grease (see below) the switch terminals on both sides and attach and insert into cutout.

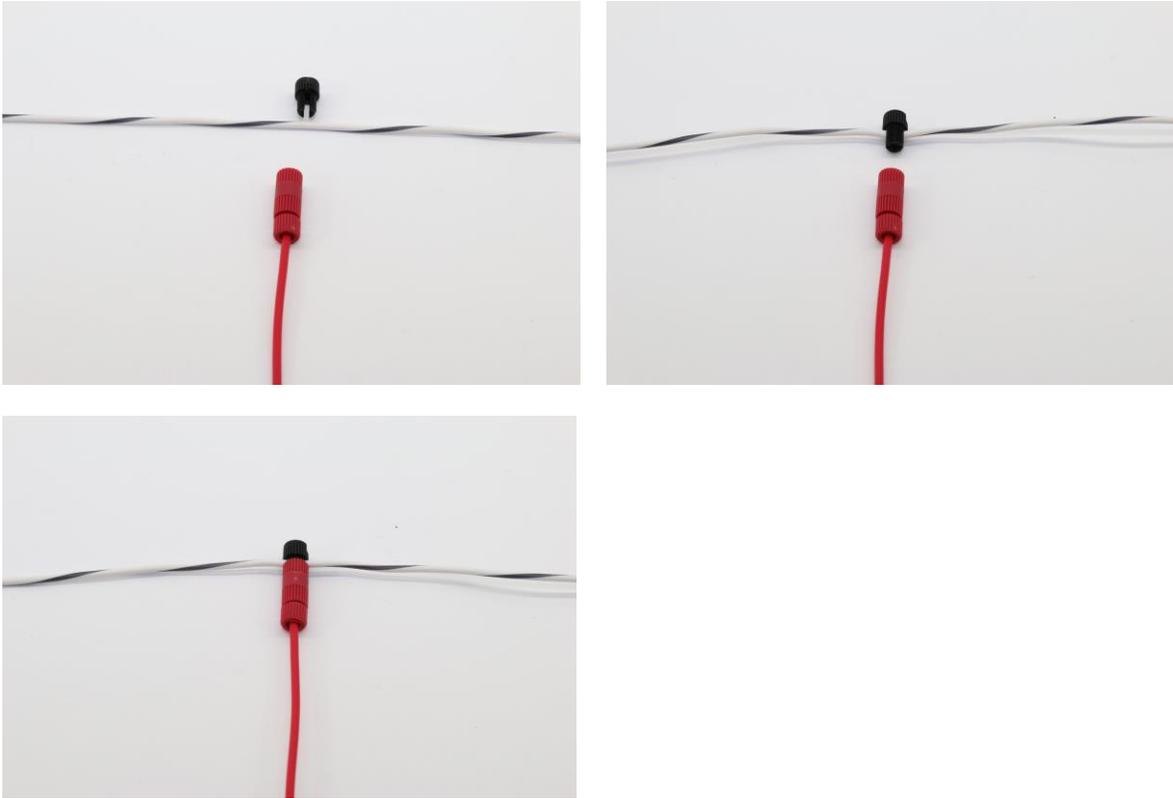


Dielectric Grease - Just like the OEM uses on their switches, we recommend using Dielectric Grease on all switch terminals, this keeps the water out, thereby reducing corrosion and helps increase reliability! Open the grease and put on the switch terminals and the connector terminals on both the Turn and Horn switches, the more the better.



12. Install the Power Harness. Locate the Fuse Block and unclip from mounting point as shown below. **No Crimping Needed to Tap in the hot wire using the Posi-Tap® provided.** It needs to be installed on the White wire with the Black Stripe coming out the bottom below the 15-amp accessory fuse, you will need to remove some of the factory tape to get to the wire. Cut the ring terminal off the red power wire and Strip ¼" insulation off. Remove the Black Screw Cap from the Posi-Tap® and slip slotted end over the White with black stripe wire, screw the red body onto the black cap hand Tighten and Tap. Loosen the other side of the Posi-Tap and push the stripped Red wire in and tighten. Attach the Black wire with the Ring terminal to the negative post on the Battery or other chassis ground. Plug the Power Harness into the 2 Way connector on the ATS Control Module.





13. Verify operation of all lights and secure all installed cables with supplied cable ties and re-install vehicle parts

Operation: The System uses momentary switches to activate. Press Right or Left Actuator accordingly. Will cancel as follows.

Press 1 Second for Lane Change, will stay on approx. 8 Seconds / 10 Flashes

Press 2 Seconds for Slowing to Turn Corners, will stay on approx. 20 Seconds / 30 Flashes

Press 5 Seconds for Traffic Lights when stopping and waiting, will stay on approx. 75 Seconds / 110 Flashes

The Systems Automatic Self-Cancelling may be overridden/Shut Off at any time by pushing the activated switch. Hazard Lights - press to activate and press again to deactivate, they do not self-cancel.

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

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 its use. It is up to the purchaser to make sure it complies with all Federal, State and Local laws. R2

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