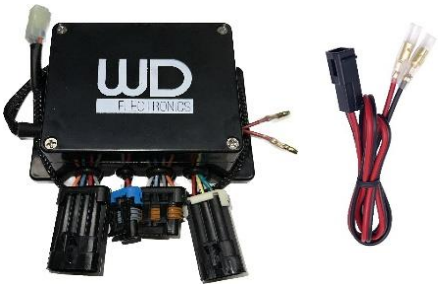
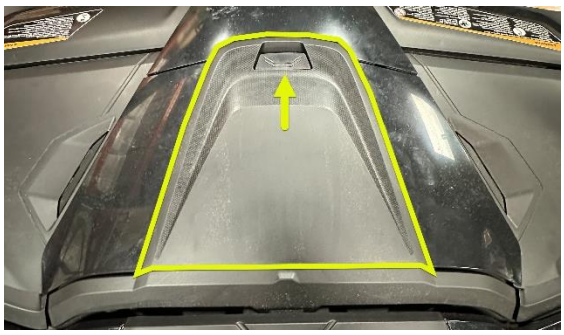
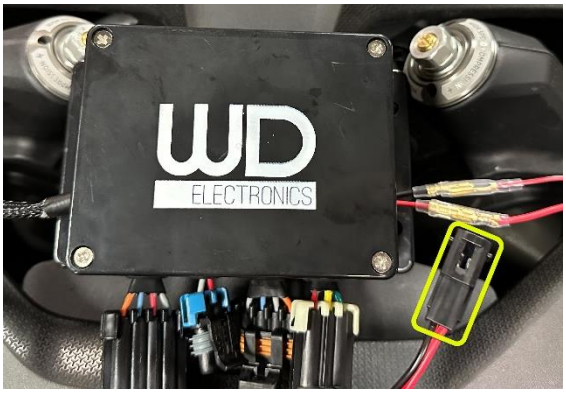
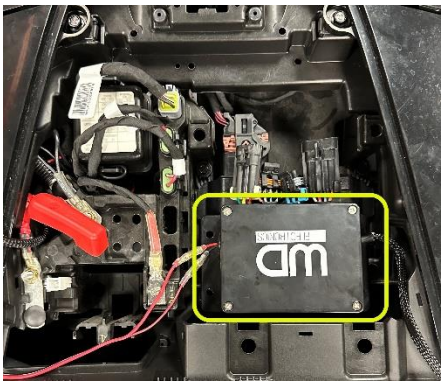
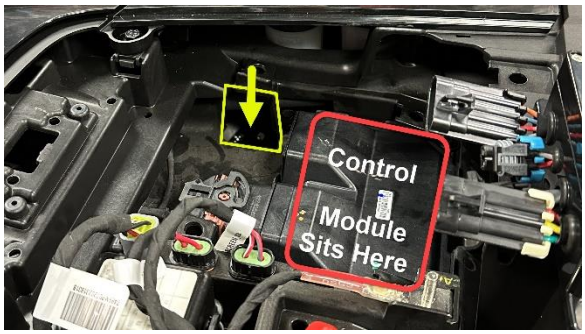
Integrated Street Legal Kit for Can-Am Maverick R Models

(3x2 LED's)

Parts Contents		
Long cable with Set of 3 Wires 	Main Control Module with Can-Am Power wire 	Snail Horn and Rocker Switch Harness 
Zip Ties for Cable Management & Mounting Hardware Kit 	Column-Mounted Turn Signal Switch **or** Rocker Style Switch 	6-LED Front Turn Signal Harness 
Blue LED Dash Mounted Turn Signal Indicators 	License Plate Kit with Wiring Harness and Mounting Bracket 	In-Line Adapter plugs for Rear Taillights 

Step 1. Prep the front of the Machine	Remove the center cover on the dash, furthest to the front of the machine (Yellow Outline, Right), by lifting on the Lock (Yellow Arrow, Right) and sliding the cover off. 
Turn Signal Switch Options:	For the Column Mounted Turn Signal Switch, proceed to **Step 2a.** For the Rocker Turn Signal Switch, skip **Step 2a.** and proceed to **Step 2b.**
Step 2a. Attach the Column-Mounted Turn Signal Lever	Now you will Install the Turn Signal Switch on the steering column. First, remove the 2 factory bolts on the left side of the steering column cover, behind the left paddle shifter (Shown, Right).   Next, Locate the two, long, partially threaded bolts and plastic spacers in the bag of mounting hardware. Insert one bolt through each hole on the pre-attached bracket on the turn signal switch. Install one spacer over the threaded end of each bolt on the other side (Shown, Left).  Make sure that the WD Sticker on the bracket is facing you when looking at the steering wheel to orient the switch correctly. Position the bolts over the holes on the steering column cover. Start threading each bolt by hand to make sure the threads catch and then tighten the bracket down snug. Next, run the wire on the column switch with the “white” 4-pin connector following the factory wiring for the instrument cluster under the dash. We will connect it to the control module in a later step.

Step 2b. Connect the Rocker Turn Signal Switch	Remove the switch blank cover from your dash in the desired position. Feed the whole harness through the switch blank and snap the switch into place. Locate the harness on the back side of the panel. Route the "white" 4 pin connector on the rocker switch harness under the dash. You will connect it to the mating connector on the extension from the control module (covered in black wire loom) later in **Step 4.**  Locate and run the single black wire with the two bullet connectors up under the dash, into the space under the cover you removed in Step 1. We will connect these wires later in **Step 4**.
Step 3. Connect the Power Wire Extension to the Control Module	Locate the Power Wire Extension Harness with the Can-Am accessory power connector. It is a small, black, 2-pin connector (Highlighted, Right). Connect the female bullet connectors on the extension cable to the mating male bullet connectors on the main control module (Red-to-Red & Black-to Black, Shown Right). 
Step 4. Mount the Main Control Module	Position the Main Control box in the space under the cover you removed in Step 1. (Shown, Right). Do not secure the box down until all other wires have been run. If you have other accessories that do not allow mounting in this location, find another suitable location under the dash to mount the control module. **Be careful if you plan to mount the box in another location, the fuel tank is under the dashboard on this machine!**   Once the control module has been positioned, feed the extension wire for the column turn signal switch (covered in black wire loom with a 4-pin "white" connector) under the dash using the space shown (Yellow Highlights, Left).

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Now, attach the 4-pin “white” connector on the extension wire coming out the left side of the control module to the mating connector on either the column or rocker turn signal switch under the dash (Installed in Step 2a. or 2b.). Make sure the connector clicks into place. Before securing the wire fully, make sure to leave enough slack in the harness to allow the steering wheel full range of motion, in-and-out, and up-and-down.


If you installed the rocker style switch (Step 2b.) you will now connect the black wire with the 2 bullet connectors. If you have not already, route the black wire with the two bullet connectors under the dash into the cavity you mounted the control module in. unplug the black ground wire on the control module and insert the two bullet connectors in-line with the ground wire on the control box. Make sure that the rubber insulation is fully covering all the bullet connectors (Shown, Right).

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<tr>
<td>Step 5.
Install the Front Turn Signals (6 Amber LEDs)</td>
<td>
Mark six, ¾” holes for each of the six LEDs on the front corners of the machine. Three on each side. You may be creative and install these wherever you like, provided that the harness can reach, and there is nothing that can be damaged behind the plastic/the plastic is a single layer. Note: The Holes for the LEDs are ¾,” but the diameter of the rubber grommets is 1 1/16” when installed. Space your holes accordingly. Our recommended location is shown Right. Once you have confirmed the location of the holes, carefully drill them out.


Starting on the driver’s side, locate the side of the harness with the driver’s side label on the wire close to the LEDs. Slide the rubber grommets off the three LEDs down onto the black and white wires. Next, slide each of the amber LEDs though the back side of holes you drilled, followed by the rubber grommets (Shown, Left).

Install the rubber grommet into each hole from the front making sure they are seated fully. Next, push the amber LED into each grommet from the front to secure.
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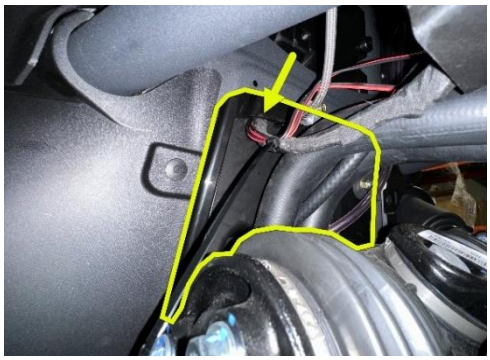
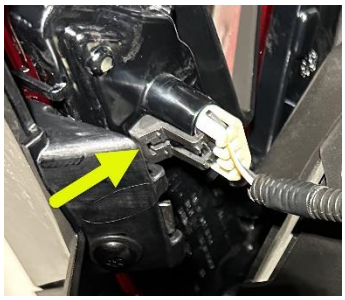
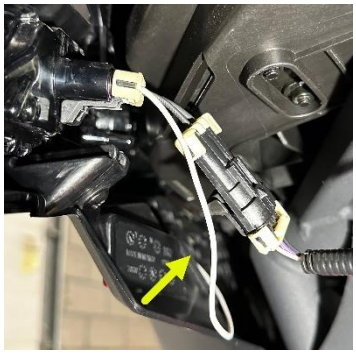
<tr><td></td><td>Route the driver's side of the harness to the center firewall grommet (Shown, Right, Behind the Steering Rack and Coolant Hoses) following factory wiring as closely as possible, securing the wire away from any hot or moving parts leaving the 4-pin connector at the firewall grommet. Make sure to avoid the radiator fan and the suspension!
 
Now, route the passenger's side of the harness, following factory wiring as closely as possible, to the holes you drilled on the front passenger's corner, and repeat the installation steps you used on the driver's side. Once the LEDs have been installed. Run the 4-pin connector, up through the grommet in the firewall next to the factory harness, up to the control module, and connect it to the mating connector (far left when facing the WD Logo).</td></tr>
<tr><td>Step 6.

Install the Taillight Adapters</td><td>Unclip the 3-pin factory wiring harness that is connected directly into the taillight housing on both taillights by lifting the locking tab at the bottom of the connector and pulling the connector free.
 
 
Start on the passenger's side. Connect the 3-pin WD taillight adapter with the long white wire into the passenger's taillight housing and connect the factory harness to the other end of the WD adapter. Feed the white wire with the female bullet connector behind the rear bumper across to the driver's side taillight following the factory harness as closely as possible (Yellow Arrow, Left).
 
Now, install the other 3-pin taillight adapter with the extra 2-pin connection and the red and black bullet connectors into the driver's side taillight housing. Connect the factory taillight harness to the other side of the WD adapter. The 2-pin connector will be used to power the license plate frame in a later step.</td></tr>
<tr><td>Step 7.
Remove Center Tunnel Panels</td><td>There are two panels that will need to be removed on the center tunnel of the machine on 2-seat models. Additional Center Panels may need to be removed on 4-seat models.</td></tr>
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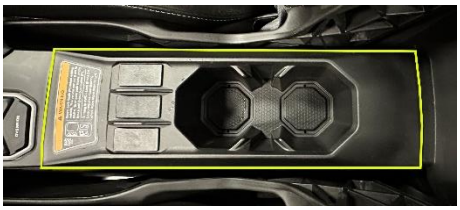
The first panel is in the drivers footwell on the right side. The panel is held in by one plastic clip on the very front bottom corner of the panel, below the gas pedal (Yellow Circle, Left). Once this clip is removed, the panel is held in with clips on the rear and can simply be pulled towards you to release the clips and remove the panel.



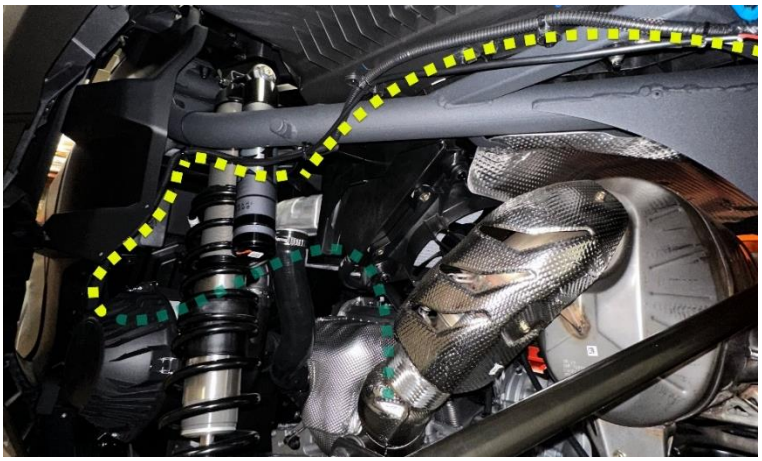
The second panel with the 3 rocker switch blanks and the two cup holders is simply held in place with clips and can be carefully pulled upward to release and remove. Removing these two panels should be enough to route the long black cable in the next step.

More body panels can be removed if more room is desired for running this cable. Alternatively, the skid plates can be removed to route the cable to the rear.

Step 8.
Run the Black Cable with three inner wires to the rear of the machine

Now, you will run the long black cable with the 3 inner wires to the rear of the machine to control the rear turn signals.

Starting at the control module, connect the 3-pin connector with the white locking clip to the mating connector on the control module. Run it down through the same hole you ran the extension for the column switch. Locate the cable under the dash and route it following factory wiring as closely as possible down the center tunnel of the machine. Run it under the shifter cover and back to the rear firewall.

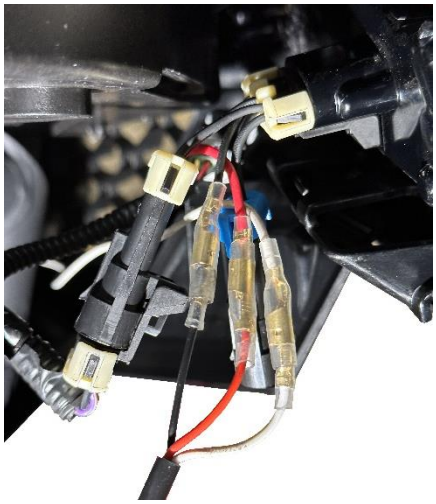


Follow the Factory Harness behind and up the rear firewall (Green Line, Below), then under the driver's rear fender all the way to the driver's side taillight (Yellow Line, Below). Make sure to secure this cable away from any hot or moving components.

<table>
<tr>
<td>Step 9.
Connect the Black Cable to the WD taillight Adapters</td>
<td>Now that the black cable has been run, you will connect it to the taillight adapters you installed in Step 6.

Connect the 3 bullet connectors on the black cable to the mating bullet connectors on the taillight adapters. Connect red-to-red and black-to-black on the driver’s side adapter.

Connect the remaining white bullet connector on the long black cable to the mating bullet connector on the passenger’s side taillight adapter (that runs behind the bumper across to the driver’s side). Make sure that the rubber insulation is fully covering all metal on these bullet connectors so that they do not short.

  </td>
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<tr>
<td>Step 10.
Install the Horn Switch Harness and Horn</td>
<td>Install the horn in a suitable location utilizing an existing bolt under the hood or dash. The Horn can be installed using the included bracket and nut, or by mounting the stud on the horn directly through a hole and using the included nut on the back.

 

Make sure that no moving parts can contact the horn when mounted. We recommend mounting on the left frame under the dash on the driver’s side (Shown, Left). If you do not want the horn in the cab, you may also mount it to a bolt on the outside of the firewall (make sure it does not contact the suspension when it is compressed.

 

Remove a switch blank in the desired location on your dash. Next, feed the horn harness through the front of the hole and press the switch into place until it clicks. Make sure the switch articulates freely once installed.

 

Locate the harness on the back side. Route the black and red spade connectors to the horn and connect them to the two flat terminals on the housing. These spade connectors are reversable and can be connected in either direction.

Run the remaining black 2-pin connector with the blue locking clip back to the main control box. Connect the 2-pin connector with the blue locking clip to the mating connector on the control box with the same blue clip.</td>
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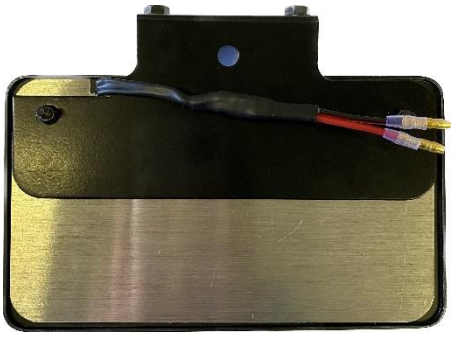
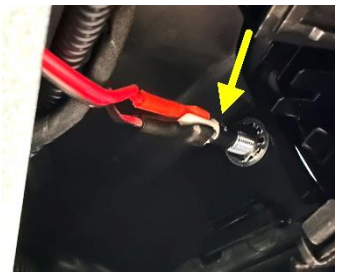
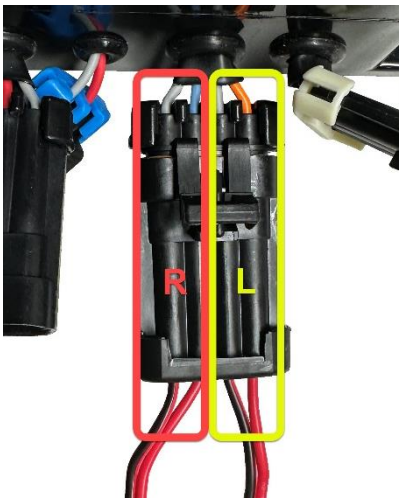
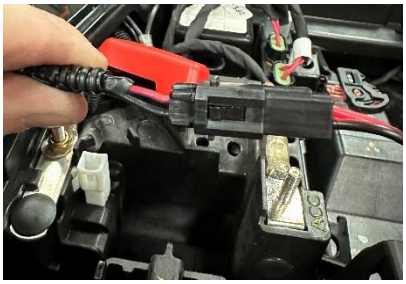
Step 11. Installing the License Plate and the Frame to the Mounting Bracket.	Installing the plate functions best if you use a pair of regular scissors to cut a small ¼" tab out the top of the license plate as shown in the pictures to the right. Leave enough space for the wires to come through. Bend the tab over so it lays flat (or file it off).  Now use the small nuts and bolts included in your license plate kit to mount the plate and frame to the License plate bracket as shown The top two bolts will go through the frame,plate, and bracket, and the bottom two screws will only be used to attach the plate to the frame.   
Step 12. Connect the Power Extension Wire to the LED License Plate Frame.	Connect the bullet connectors on the extension wire with the 2-pin connector, included in the license plate kit, to the mating bullet connectors on the license plate frame (red-to-red & black-to-black).
Step 13. Installing the Mounting bracket to the Rear Bumper.	Install the license plate bracket directly to the rear of the machine using the well nuts included in your License Plate kit (the black rubber nuts and silver bolts). The short black bolts with nuts in the small bag of hardware can be used instead if desired. Using the bracket as a template, hold the angles top tab of the bracket in your desired location to the left of the backup camera. Mark the center of the holes and drill holes for the well nuts. Push the well nuts into the holes you drilled.   Before mounting the bracket, feed the 2-pin connector on the power extension cable through a hole in the rear grill and route it to the driver's side taillight adapter.

	Now, hold the bracket in place over the well nuts and fasten the mounting bracket to the well nuts keeping downward pressure on them as you tighten so they grip behind the plastic. Finally, connect the 2-pin connector on the extension wire on the LED frame to the mating connector on the driver's side taillight adapter and secure the wires away from any hot or moving parts. 
Step 14. Install the Blue LED Dash Indicators	Now you will install the Blue Dash Mounted LED Turn Signal indicators. These Blue LEDs mount on your dash to let you know your turn signals are activated, and which side they are on. Choose a suitable location with nothing behind the plastics to mount these blue LEDs. Make sure the Harness can reach the control module before drilling. Our recommended location is directly behind the steering wheel on the trim panel (Yellow Arrows, Right).   Once you have confirmed the location, drill out the holes. Install the rubber O-ring onto each LED and slide it up to the top. Install one LED into each hole and then install the locking washer and bolt on the back side of the plastic and tighten them down (Left). Now, connect the 4-pin harness to the main control module and route the wires under the dash in the same location as all other harnesses. The side of the harness that matches up to the orange and grey wire on the control module connector will power the "Left" drivers side indicator (Shown Yellow, Right), and the side that matches up with the blue and grey wires on the control module connector will power the "Right" Passengers side indicator (Shown Red, Right). Connect one side (zip wire) with a red and black Spade connector to the back of each LED and secure the wires away from any hot or moving components. 

Step 14. Connect Control Box to Power and Test your Signals!	Now that everything is installed, you will connect the control box to power. Secure the control box under the cover using the included zip ties. Under the same cover the Control Module is mounted under, there is a factory Can-Am accessory connector. The Connector is installed into a white “dummy plug” directly to the right of the red battery terminal post. Depress the locking tab (Yellow Arrow, Right) and remove the male end of the connector. Connect the power extension wire on the Control Module that you installed in Step 3. to the mating connector on the machine.  If this connector is used by other accessories on your machine, you can connect the power and ground wires on the control module to the screw posts directly behind the accessory connector location. 

Install complete!

Activate your turn signal lever and test all your turn signals, License Plate Frame LEDs, and the Horn!

Common Troubleshooting Tips.	**1.** There is ONLY one place that each wiring harness will connect to on the Control Module. Each wiring harness will end up at the control box, as none of them connect to each other. This is helpful if you are confused about which wiring harness to use. **2.** If your license plate Frame does not light up, when the headlight switch is turned on, swap the red and black wires that are 6 inches from the plate. Black-on-Red, and Red-on-Black. **3.** When you test the turn signals, if the rear taillights blink on the wrong sides, simply swap the black and white bullet connectors on the long black cable. This will reverse the left and right turn signals. **4.** If the front Blinkers blink on the wrong sides, swap the wires leading up to them. **5.** If nothing is turning on, check your Headlight and Accessory (ACC) fuses. **For additional support email support@wdelectronics.com**