



SDI **E-CLIK**

SDI E-CLIK
KAWASAKI KRX
ELECTRONICS
INSTALLATION GUIDE

SDi E-CLIK Electronics Kawasaki KRX Installation Manual

E-CLIK System Types

1. E-CLIK (Switch controlled)
2. E-CLIK ACTIVE (Touch Screen + Silver Selecting Ring Controller)
3. E-CLIK PRO (Touch Screen + Black Selecting Ring Controller)

E-CLIK Electronics Package Content

1. ECU + Bracket and Hardware
2. ECU Placement Template
3. IMU + Bracket and Hardware
4. Touch Screen Controller + Bracket and Hardware
5. Touch Screen Placement Template
6. Wiring Harnesses + Zip Ties
 - a. ECU Main Plug
 - b. Power Harness
 - c. Front Shocks Harness
 - d. Rear Shocks Harness
 - e. HS Button Harness
 - f. Data Harness
 - g. **(Optional)** Switch Harness with Switches

Required Tools

1. Ratchet
2. 10mm Socket
3. 5mm Allen Key
4. 4mm Allen Key
5. Small Flathead Screwdriver
6. Phillips Screwdriver
7. Power Drill + ¼" Drill Bit or Step Bit
8. Plastic Clip Removal Tool
9. Cutting Pliers
10. Utility Knife

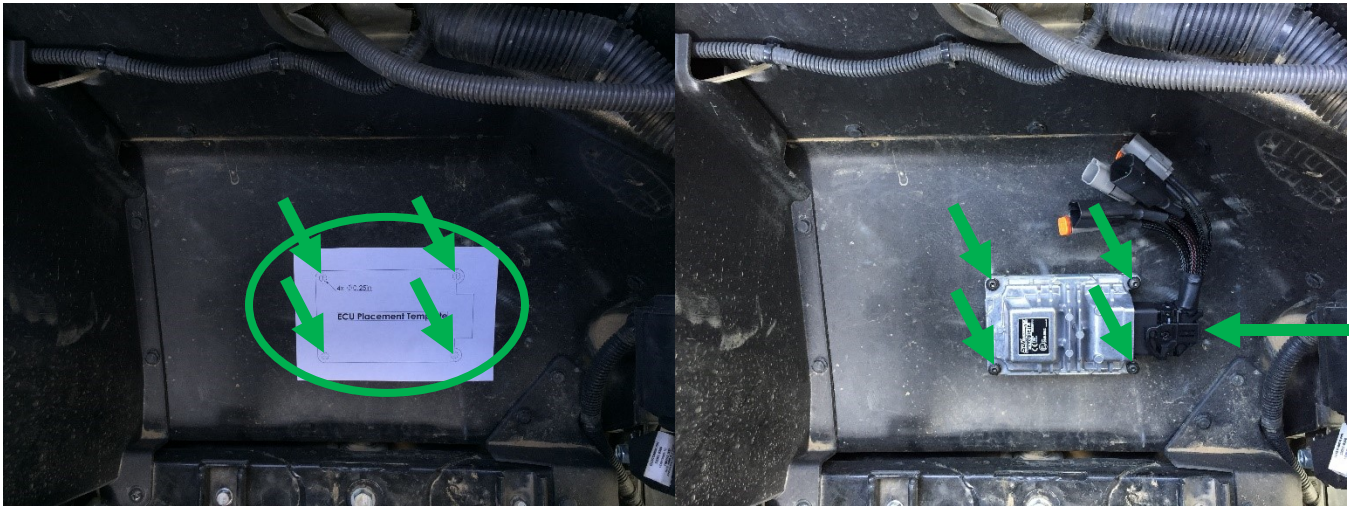
Estimated Installation Time

1 to 2 hours

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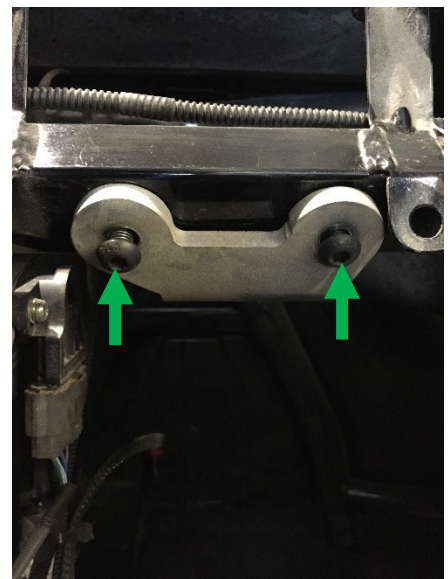
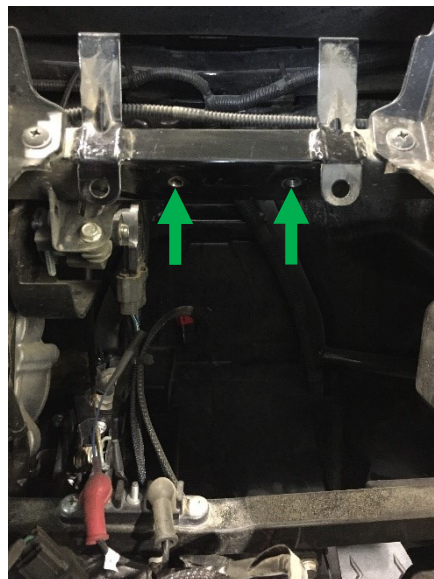
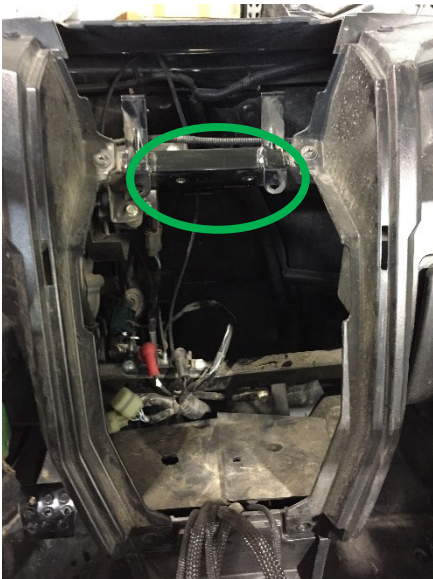
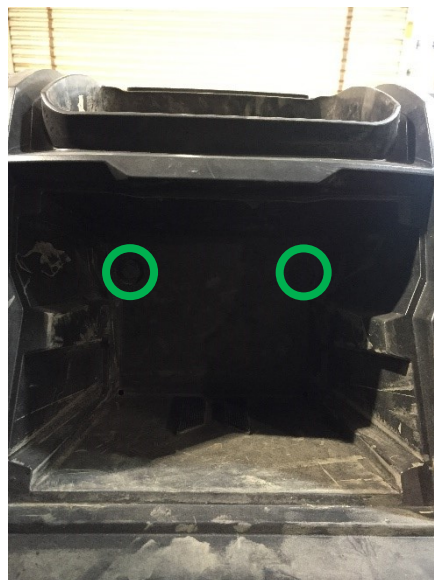
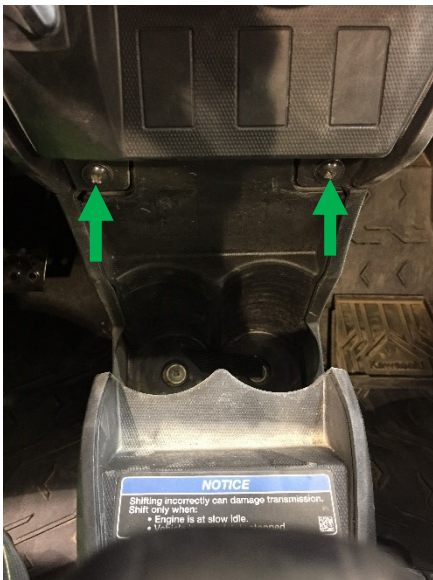
1. Install ECU

- a. Apply the ECU Placement Template behind the driver's seat.
- b. Drill the 4x designated holes with a power drill and $\frac{1}{4}$ " drill bit or step bit (see picture below).
- c. Mount the ECU using the supplied hardware with 4mm Allen key and 10mm socket.
- d. Secure the ECU Main Plug in the ECU receptacle and lock it (see picture below).



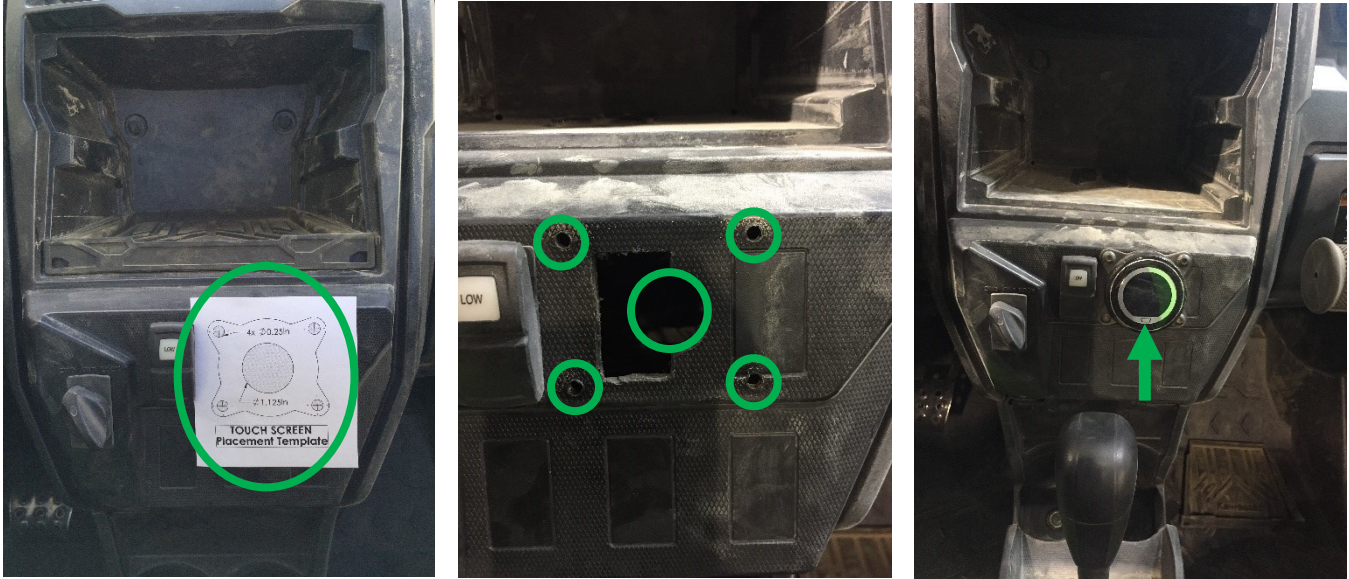
2. Install IMU

- a. Remove the hood of the vehicle.
- b. Remove the center console by unbolting the 2x screws using a Phillips screwdriver, and the 4x plastic clips using a plastic clip removal tool (see picture below).
- c. Tap the 2x indicated holes of the frame with a M8x1.25 tap (see picture below).
- d. Place IMU bracket on the frame with the IMU connector facing the front of the vehicle.
- e. Use the 5mm Allen key and 2x supplied M8x20 screws to secure the IMU in place (see picture below).
- f. DO NOT REINSTALL THE CENTER CONSOLE YET, AS MORE HARNESSSES STILL NEED TO BE INSTALLED.



3. Install Touch Screen

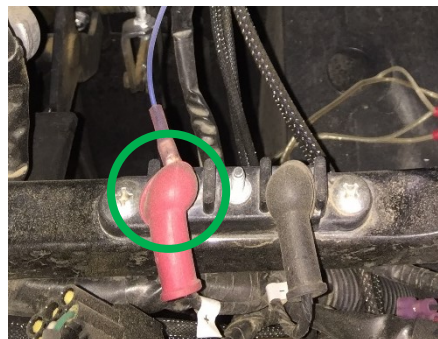
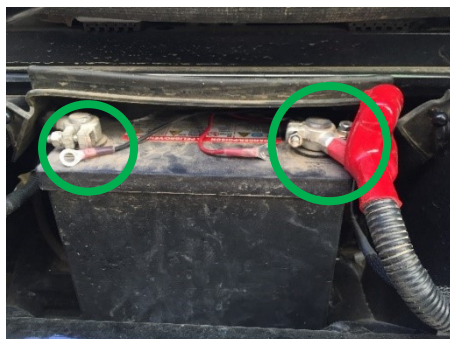
- a. Apply the Touch Screen Placement Template on the center console.
- b. Drill the 5x designated holes with a power drill, ¼" drill bit and step bit (see picture below).
- c. Mount the Touch Screen using the supplied hardware with 4mm Allen key and 10mm socket.
- d. Make sure the Touch Screen Home Button is oriented down (see picture below).



4. Install Power Harness

Make sure vehicle ignition is off.

- a. Refer to wiring diagram for callouts of wire function and color (page 10).
- b. Under the driver's seat, locate the vehicle's battery.
- c. Connect the red wire ring connector of the power harness to the red (+) pin of the vehicle battery with 10mm socket (see picture below).
- d. Connect the black wire ring connector of the power harness to the black (-) pin of the vehicle battery with 10mm socket (see picture below).
- e. Connect the blue wire ring connector of the power harness to the black (-) pin of the vehicle battery with 10mm socket (see picture below).
- f. DO NOT CONNECT THE 4-PIN MALE BLACK CONNECTOR OF THE POWER HARNESS TO THE ECU MAIN PLUG UNTIL FINAL STEP.

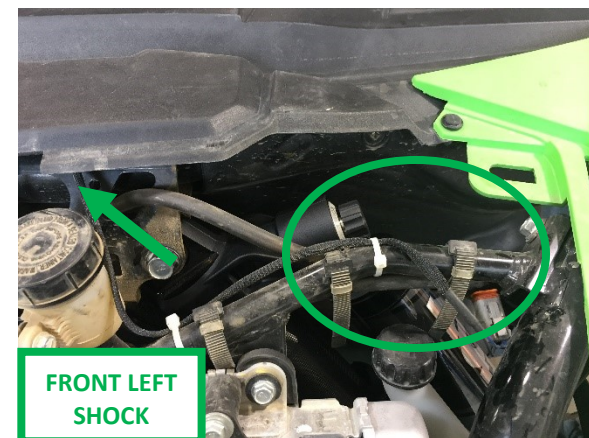
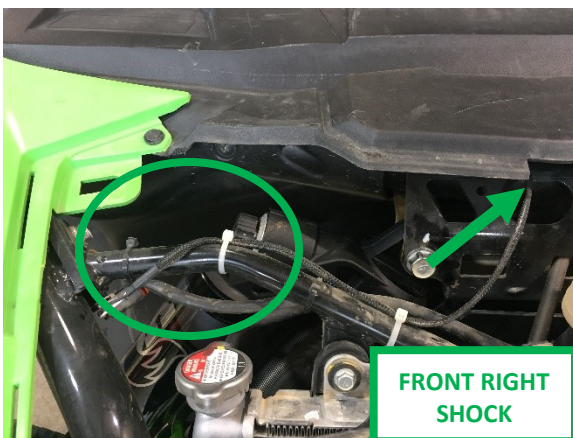
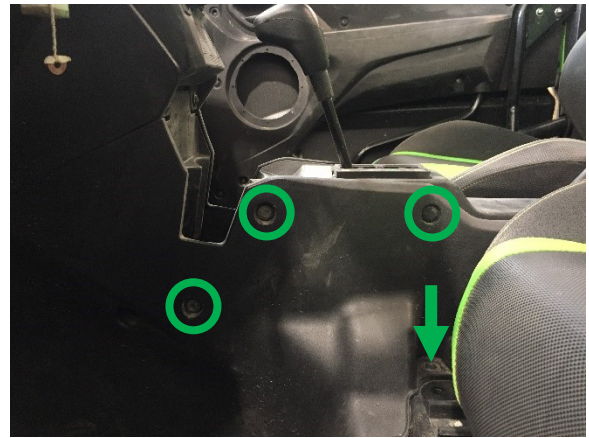


5. Install Front Shocks Harness

Make sure vehicle ignition is off.

Note: You will secure all harnesses at the end once you ensure they are placed properly and functioning correctly.

- a. Refer to wiring diagram for callouts of wire function and color (page 10).
- b. Connect the 4-pin male grey connector of the front shocks harness to the ECU Main Plug.
- c. Remove the console between the seats by unbolting the 4x screws using a Phillips screwdriver, and the 10x plastic clips using a plastic clip removal tool (see picture below).
- d. Run the front left and right shock harness under the center console, from behind the seats up until the front shocks' top bolts location (see pictures below).
- e. Connect the "FL" 2-pin male connectors of the driver side shock harness to the front left shock coil.
- f. Connect the "FR" 2-pin male connector of the passenger side shock harness to the front right shock coil.

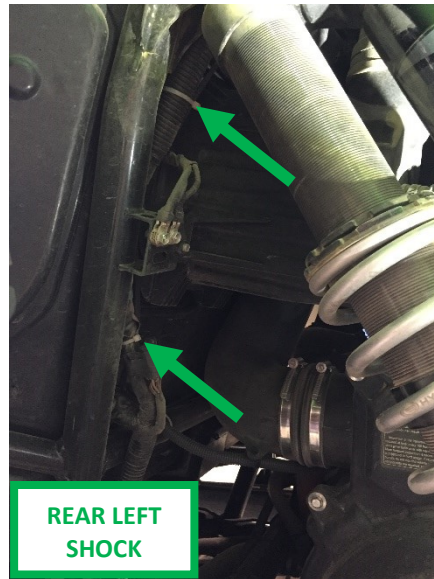
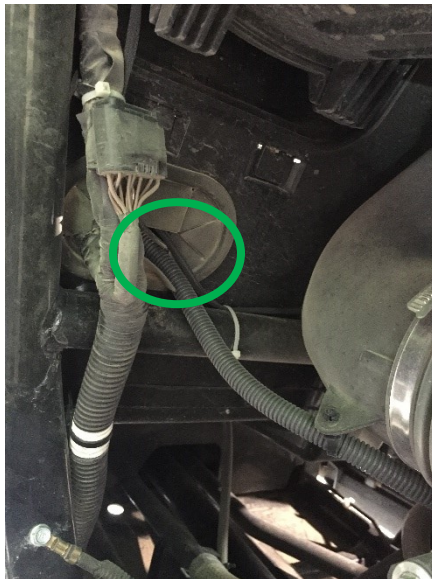


6. Install Rear Shocks Harness

Make sure vehicle ignition is off.

Note: You will secure all harnesses at the end once you ensure they are placed properly and functioning correctly.

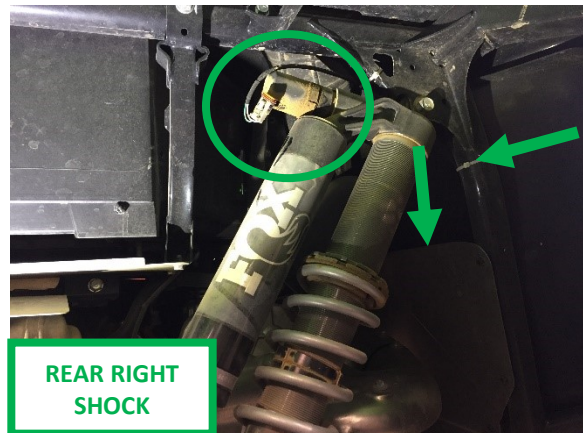
- a. Refer to wiring diagram for callouts of wire function and color (page 10).
- b. Connect the 4-pin female grey connector of the rear shocks harness to the ECU Main Plug.
- c. Run the rear shock harnesses through the wall behind the driver's seat (see picture below).
- d. Route the rear left shock harness along the vehicle's frame all the way to the rear left shock coil (see picture below).
- e. Connect the "RL" 2-pin male connector of the rear left shock harness to the rear left shock coil (see picture below).
- f. Route the rear right shock harness along the vehicle's frame all the way to the rear right shock coil. Be sure to route it behind the heat shield (see picture below).
- g. Connect the "RR" 2-pin male connector of the rear right shock harness to the rear right shock coil (see picture below).
- h. DO NOT REINSTALL THE CENTER CONSOLE YET, AS MORE HARNESSES STILL NEED TO BE INSTALLED.



REAR LEFT SHOCK



REAR LEFT SHOCK



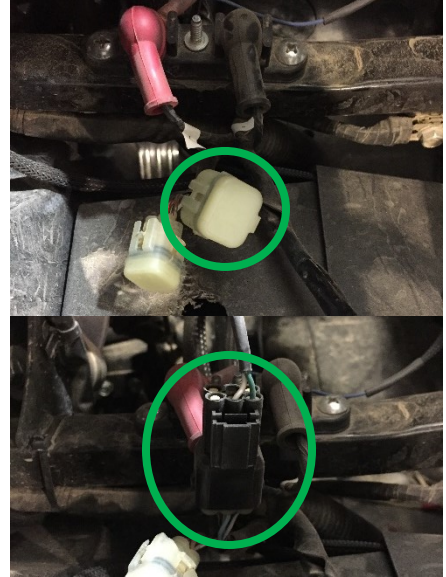
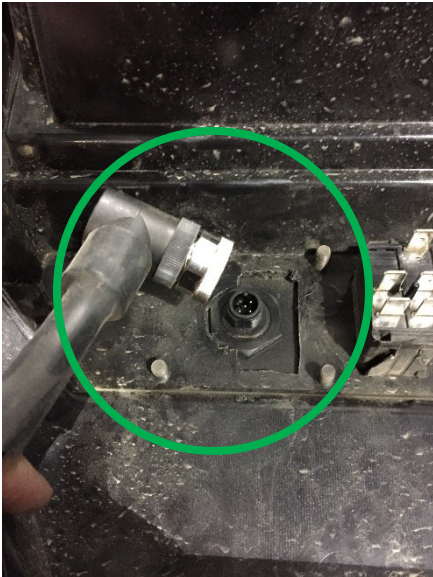
REAR RIGHT SHOCK

7. Install Data Harness and E-CLIK Touch Screen Controller

Make sure vehicle ignition is off.

Note: You will secure all harnesses at the end once you ensure they are placed properly and functioning correctly.

- a. Refer to wiring diagram for callouts of wire function and color (page 10).
- b. Connect the 6-pin male black connector of the data harness to the ECU Main Plug.
- c. Run the data harnesses under the center console, from behind the seats up until the top of the center console.
 - o Route the Touch Screen Harness up until the center console.
 - o Connect and secure the 5-pin circular 90deg connector to the Touch Screen **(see picture below)**.
 - o Route the IMU Harness up until the center console.
 - o Connect and lock the 6-pin male red connector of the IMU harness to the IMU sensor **(see picture below)**.
 - o Route the Diagnostic harness up until the center console.
 - o Remove the stock Diagnostic connector cover using a small flat screwdriver **(see picture below)**.
 - o Connect and secure the 6-pin female connector to the vehicle's diagnostic connector **(see picture below)**.



8. (Optional) Install Switch Harness

Make sure vehicle ignition is off.

Note: You will secure all harnesses at the end once you ensure they are placed properly and functioning correctly.

- a. Refer to wiring diagram for callouts of wire function and color (page 10).
- b. Connect the 6-pin female black connector of the switch harness to the ECU Main Plug.
- c. Run the switch harness under the center console, from behind the seats up until the center console of the vehicle **(Photo)**.
- d. Using a utility knife, cut 2 slots in the center console of the vehicle to host the 2 switches **(Photo)**.
- e. Connect front and rear switches to the switch harness pink connectors **(Photo)**.
- f. Install the front and rear switches in the center console of the vehicle.

9. Install HS Button Harness

Make sure vehicle ignition is off.

Note: You will secure all harnesses at the end once you ensure they are placed properly and functioning correctly.

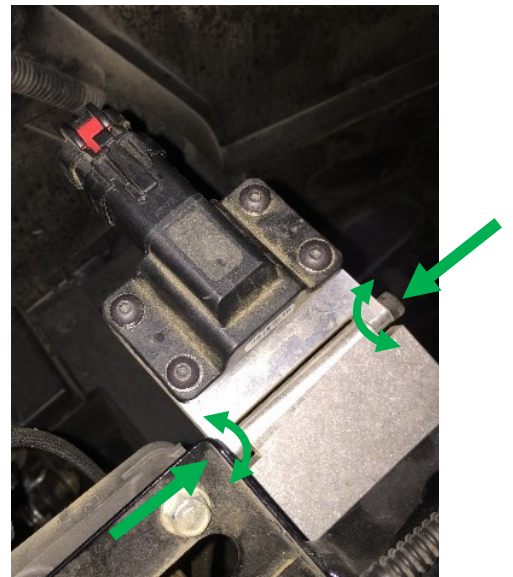
- a. Refer to wiring diagram for callouts of wire function and color (page 10).
- b. Attach the HS Button to the Steering Wheel using the Velcro strap, on the side of your choice **(see picture below)**.
- c. Run the HS Button harness under the center console, from the Steering Wheel of the vehicle until behind the seats up **(see picture below)**.
- d. Connect the 2-pin female black connector of the HS Button harness to the ECU Main Plug.



10. Final Set Up

Make sure vehicle ignition is off.

- a. NOW CONNECT THE 4-PIN MALE BLACK CONNECTOR OF THE POWER HARNESS TO THE ECU MAIN PLUG.
- b. Make sure all connectors are securely plugged in.
- c. Turn on the ignition.
- d. Confirm the Switch panel or E-CLIK touch screen controller are powered on.
 - o For touch screen controller:
 - Acknowledge the “Do Not Use While Driving” message by pressing “OK” on the screen.
 - Confirm there are no error messages.
 - If there is an error refer to the Error code chart in the user manual.
 - Confirm the main menu appears on the screen.
 - o For the Switch panel:
 - Confirm LEDs are illuminated and not blinking.
 - If LEDs are blinking refer to the Error code chart in the user manual.
- e. Secure all wiring harnesses with supplied zip-ties.
 - o Ensure they are not running close to the vehicle’s exhaust or any potential sources of pinching, chafing or other damage.
- f. Calibrate/Zero the IMU sensor:
 - o Place the vehicle on a level surface, side to side and front to back.
 - o Loosen the two bolts that hold the IMU adjuster plate.
 - o Turn on the ignition.
 - o Rotate the selector ring on the touch screen display to the Output Menu.
 - o Press screen to select it.
 - o Swipe right to the tilt angle display menu.
 - o Look at the read out and confirm it is 0-degree pitch and roll.
 - If it is not reading 0-degree pitch and roll, Zero the IMU:
 - Loosen the IMU adjuster bracket with the 4mm Allen Key (**see picture below**).
 - Move the bracket until 0-degree pitch angle is indicated on the screen.
- g. Tighten the 2 bolts on the IMU adjuster bracket with a 4mm Allen key (**see picture below**).
- h. Reinstall the center console of the vehicle by bolting the 6x screws using a Phillips screwdriver, and replacing the 12x plastic clips.
- i. Done.





Wiring Harness Color Chart

Start	Wire Color	Function	End	Wire Color	Destination
4-Pin Male		Power	Ring Terminal		Battery +
			Ring Terminal		Battery -
			Ring Terminal		Ignition
4-Pin Male		Front Shocks	2-Pin Male		Front Left Shock
			2-Pin Male		Front Right Shock
4-Pin Female		Rear Shocks	2-Pin Male		Rear Left Shock
			2-Pin Male		Rear Right Shock
2-Pin Male		Front * Sway Bar	2-Pin Male		Front Sway Bar
2-Pin Female		Rear * Sway Bar	2-Pin Male		Rear Sway Bar
6-Pin Male		Data	6-Pin Male		IMU Sensor
			5-Pin Male		Touch Screen
			6-Pin Female		OBD-II Diagnostic Port
6-Pin Female		Switches *	4x Female Connectors		Front Shocks Switch
			4x Female Connectors		Rear Shocks Switch
2-Pin Female		HS Button	Push Button		HS Button

*Not used in this installation.