



# **SDI E-CLIK**

**SDI E-CLIK  
CAN-AM X3  
ELECTRONICS  
INSTALLATION GUIDE**

# SDi E-CLIK Electronics CANAM Maverick X3 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
4. Touch Screen Controller + Bracket and Hardware
5. 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. T30 Torx Key
4. T20 Torx Key
5. 4mm Allen Key
6. Power Drill + ¼" Drill Bit or Step Bit
7. Plastic Clip Removal Tool
8. Cutting Pliers
9. Utility Knife

## Estimated Installation Time

1 to 2 hours

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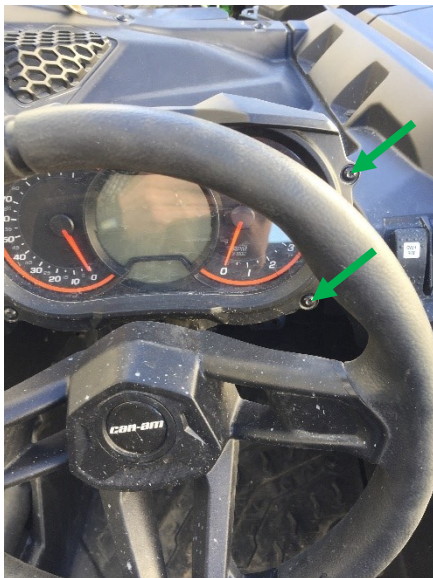
## 1. Install ECU

- a. Apply the ECU Placement Template behind the (rear) passenger seat (see picture below).
- b. Drill the 4x designated holes with a power drill and ¼" drill bit or step bit.
- 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 Touch Screen

- a. Remove the dashboard's right side 2x stock screws using a T20 Torx key (see picture below).
- b. Place the Touch Screen Bracket and spacers in front of the 2x dashboard screw holes.
- c. Use the T20 Torx key and provide 2x screws to secure the Touch Screen bracket in place (see picture below).



### 3. Install IMU

- a. Remove the center bolt of the center console using a T30 Torx key (see picture below).
- b. Place the IMU on the center console with the IMU connector facing the front of the vehicle.
- c. Use the T30 Torx key and stock bolt to secure the IMU in place (see picture below).



### 4. Install Power 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 9).
- b. Behind the (rear) passenger seat, locate the vehicle's battery (see picture below).
- 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. DO NOT CONNECT THE 4-PIN MALE BLACK CONNECTOR OF THE POWER HARNESS TO THE ECU MAIN PLUG UNTIL FINAL STEP.

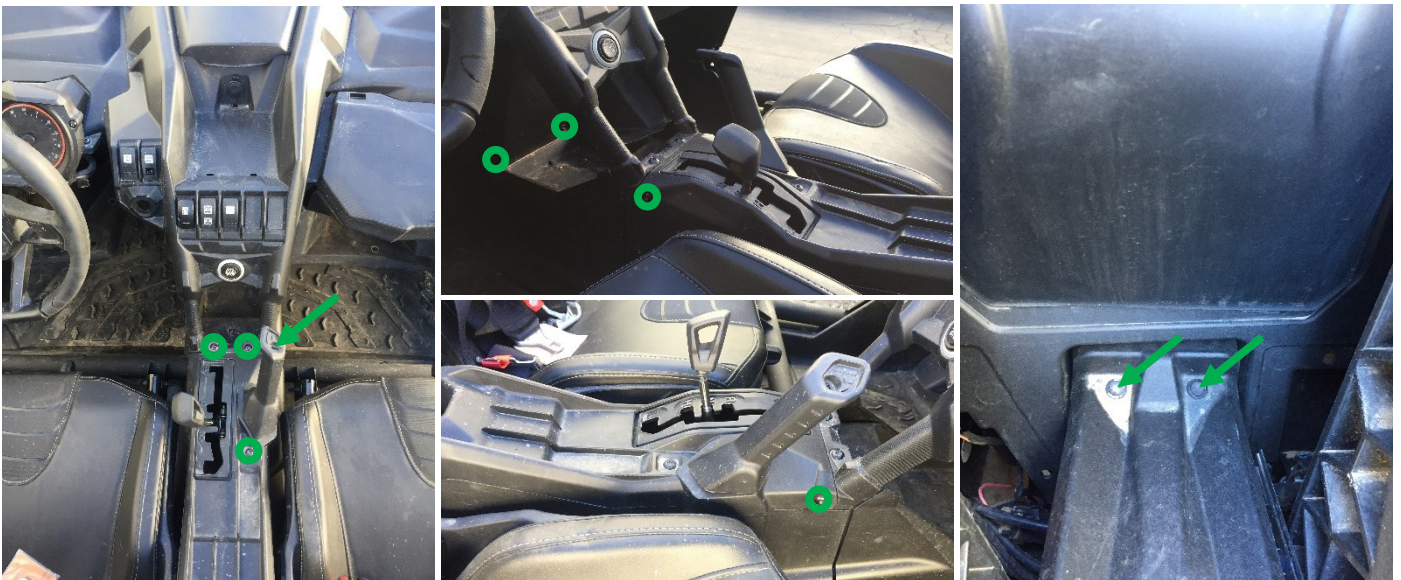


## 5. Install Front Shocks Harness

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 9).
- b. Remove the center console by unbolting the 8x screws using a T30 Torx key, and the 2x plastic clips using a plastic clip removal tool (see picture below).
- c. Connect the 4-pin male grey connector of the front shocks harness to the ECU Main Plug.
- d. Run the front left and right shock harness under the center console, from behind the (rear) seats up until the front shocks' top bolts locations (see picture 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.
- g. DO NOT REINSTALL THE CENTER CONSOLE YET, AS MORE HARNESSSES STILL NEED TO BE INSTALLED.

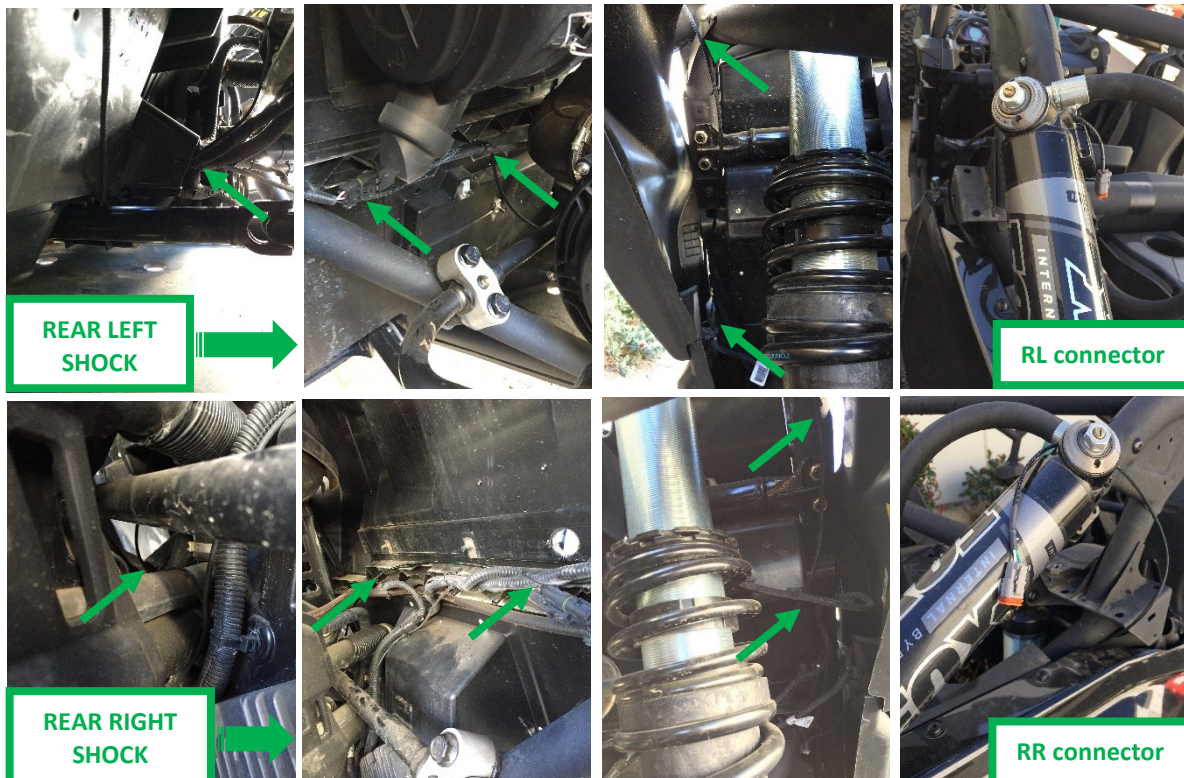


## 6. Install Rear Shocks Harness

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 9).
- b. Connect the 4-pin female grey connector of the rear shocks harness to the ECU Main Plug.
- c. Run the rear shock harnesses under the center console, and through the wall between the (rear) seats and the engine (see picture below).
- d. Route the rear left shock harness along the vehicle's stock harness and frame all the way to the rear left shock reservoir (see picture below).
- e. Connect the "RL" 2-pin male connector of the rear left shock harness to the rear left shock coil.
- f. Route the rear right shock harness along the vehicle's stock harness and frame all the way to the rear right shock reservoir (see picture below).
- g. Connect the "RR" 2-pin male connector of the rear right shock harness to the rear right shock coil.
- h. DO NOT REINSTALL THE CENTER CONSOLE YET, AS MORE HARNESSES STILL NEED TO BE INSTALLED.

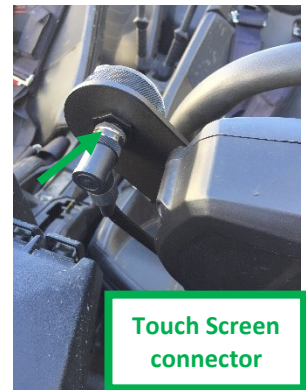


## 7. Install Data Harness and E-CLIK Touch Screen Controller

*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 9).
- 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 (rear) seats up until the Stop/Start Button of the vehicle (**see picture below**).
  - o Route the Touch Screen harness up until the vehicle's dashboard (**see pictures below**).
  - o Connect and secure the 5-pin male circular 90deg connector to the Touch Screen.
  - o Route the IMU Harness until the center console center bolt (**see pictures below**).
  - o Connect and lock the 6-pin male red connector of the IMU harness to the IMU sensor.
  - o Route the Diagnostic harness up until the passenger's glove box (if 2020 model or later: until the fuse box on top of the center console) (**see pictures below**).
  - o Connect and secure the 6-pin female grey connector to the vehicle's diagnostic connector.



## 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.*

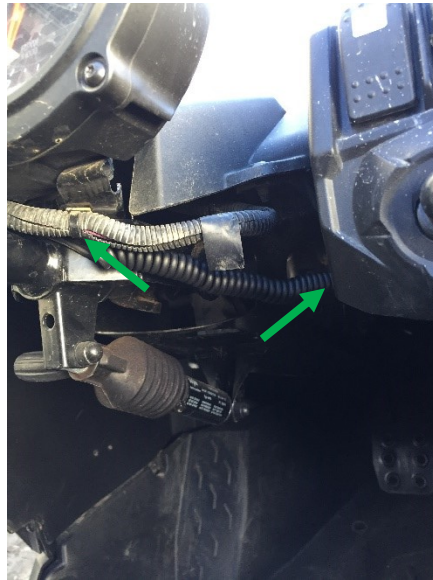
- a. Refer to wiring diagram for callouts of wire function and color (page 9).
- b. Connect the 6-pin female black connector of the switch harness to the ECU Main Plug.
- c. Run the switch harness under the center console, from behind the (rear) seats up until the Stop/Start Button of the vehicle.
- d. Using a utility knife, cut 2 slots in the center console of the vehicle to host the 2 switches.
- e. Connect front and rear switches to the switch harness pink connectors.
- 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 9).
- 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 (rear) seats (**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 cable-ties.
  - o Ensure they are not running close to the vehicle’s exhaust or any potential sources of pinching, chafing or other damage.
- f. Reinstall the center console by bolting the 8x screws using a T30 Torx key, and the 2x plastic clips.
- g. 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° 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.
- h. Tighten the 2 bolts on the IMU adjuster bracket with a 4mm Allen key (**see picture below**).
- i. Done.





## Wiring Harness Color Chart

Start	Wire Color	Function	End	Wire Color	Destination
4-Pin Male		Power	Ring Terminal		Battery +
			Ring Terminal		Battery -
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		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.