



SX1 ECU QUICK START GUIDE for 19+ HONDA CRF450 L, RL

Sure there's other other ECU's out there, but none of them are the Taco Moto GET ecu.

INSTALLING THE ECU (covered in the video)

- Remove seat
- Remove left side radiator shroud
- Loosen tank mounting hardware and slide it forward to make a small work space gap
- With a flat screwdriver carefully pry the ecu boot out of the bracket
- Press the connector release clip and unplug the stock ecu
- Trim the rubber boot and modify the ecu bracket to clear the SX1 accessory cables. The tab can be bent out of the way or cut off, file off any sharp edges.
- Slide the ecu into the modified boot and install the boot onto the modified bracket

INSTALLING ACCESSORIES (covered in the video)

If equipped:

- Mount the map switch on the bars or other suitable location
- Mount the traction control knob on the bars or other suitable location
- Mount the wifi com module to the bike
- Plug the map switch into the ecu
- Plug the traction control knob and wifi com module into the Y-cable and connect to the ecu
- Confirm all cords are free of hot engine parts and pinch points

SET TPS END POINTS AND IDLE SPEED (covered in the video)

- The video link above provides the instructions for doing this step either with or without wifi
- The installation is not considered complete until the idle speed has been set to 1800-1900 and confirmed with an instrument and the TPS end points have been accurately calibrated using either of the wifi or non wifi methods shown.

MAP SWITCH (covered in the video) : The maps can be changed on the fly at any engine speed at any time and is included in the kit. Map 1 is race mode, map 2 is single track mode. If the map switch is unplugged the ECU will default to map 1

WIFI COM MODULE (covered in the video) : The optional wifi com module allows the WIDGET app to be used with the SX1 ecu to access it's features and functions but is not required for the operation of the SX1 ecu and can be added at any time

Y-CABLE SPLITTER (covered in the video) : The Y-cable splitter allows the rider to connect more than one optional accessory to the ecu at a time and is included with the wifi com module

10 LEVEL TRACTION CONTROL KNOB (covered in the video) : The optional knob controls the TC level being applied to whichever map is currently selected and can be adjusted on the fly at any time. 0 is off. 1 is the lowest level, 10 is the most

SECOND INJECTOR CONNECTOR (covered in the video) : A second injector is not used on the L / RL so this lead can be safely tucked out of the way.

INSTALLATION TIPS

- The installation is not considered complete until the idle speed has been set to 1800-1900 and confirmed with an instrument and the TPS end points have been accurately calibrated using either of the wifi or non wifi methods shown.
- Screen grab the original fan temp settings before making any changes

QUICK START INSTALLATION VIDEO



OR SEARCH
'INSTALLING THE
SX1' ON THE TACO
MOTO CO YOUTUBE
CHANNEL



Emissions Disclaimer: The purchase and use of this product acknowledges that you understand this modification is for closed course competition / race use only.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Prepared by your friends at **TACOMOTO.co**

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SX1 ECU QUICK START GUIDE for 19+ HONDA CRF450 L, RL (continued)

INSTALLATION TIPS (continued)

- Place a label on the rear under fender of the wifi com password if hidden. We suggest taking a picture of your wifi comm label, if you scratch this password off - its lost forever!
- Place phone in airplane mode with wifi enabled when connecting to app
- Do not pressure wash the barometric pressure sensor on the top of the ECU
- The SX1 is the new for 2024 evolution of the RX1 released in 2018 and builds on its legacy of performance and features with new internal hardware and app upgrades.

FUEL : Both maps are designed to run on **91-93 octane pump fuel** and carefully applied adjustments can be made in the app to run higher or lower octane fuels as needed. Please contact Taco Moto is you have any questions about this.

EXHAUST SYSTEM COMPATIBILITY : The Taco Moto portfolio of maps are created for maximum performance with the specific exhaust system the unit was ordered for. Additional maps can be loaded into the unit if the exhaust system is changed, please contact info@tacomoto.co for more information.

FAN ON / OFF TEMP SET POINTS : The WIDGET app allows the rider to adjust the on / off fan temps and perform a low temp fan function test. Before making any changes to these set points, record the original settings in a maintenance log or with a screen grab and only change these temps if you understand what the results will be as serious engine damage may result.

CAN BUS DONGLE : The Y-cable will be equipped with a CAN BUS dongle and this should be plugged into at least one of the unused leads. If you have each of the leads plugged into accessory devices and there are no spare and open leads, then no dongle is needed.

KNOWN ISSUES ON THE HONDA L, RL BIKES:

Decel Popping:

The L and RL bikes are 50 states street legal motorcycles and are equipped with an exhaust air injector device built into the thermostat body called the SAS air injector. Installing an aftermarket exhaust system and or a race ecu may result in a 'popping or snapping' sound from the muffler. In race use applications this air injector can be plugged off or removed and we offer the Graves Smog Block Off Plate for this purpose.

Idle Speed Won't Respond

Honda uses an air bypass type idle control throttle body on the L, RL bikes and turning out the idle screw to increase the idle speed adds more air to the circuit not calibrated for by the throttle position sensor and may result in a hanging idle or lack of idle speed increase. Adding fuel in the app to the idle area of the map will account for this. Please contact info@tacomoto.co for more information if you're experiencing this issue.

LIMITED LIFETIME WARRANTY : Taco Moto Co will warranty the SX1 ecu for the life of the product to the original purchaser

DOWNLOAD THE ATHENA WIDGET APP:



APPLE IOS APP



ANDROID APP

This engine control unit is a *closed course competition use only* component and use of this may result in increased engine power, RPM redline settings, and vehicle performance which make an inherently dangerous vehicle even more so. Because of its advanced tuning and control ities it allows the rider to make changes and modifications which may decrease fuel mileage and ble of other modifications which could cause engine damage. Installation of this device may a vehicle in non-compliance with emissions laws, annual state inspections, factory or extended ties and the use of this system is your consent that you understand and accept all of these nents

Visit www.tacomoto.co
for more parts and
accessories for your bike

Visit www.athena.eu/en-us for
more exciting products from
Athena Racing and GET

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