2021-2025
Ford Bronco/F-150
Ecoboost

Table of Contents

EZX Mobile App

Download Instructions

This product requires a Mobile App to function correctly.

Scan this QR code or visit the link below to find download options for your smartphone. You can also find other useful information and instructions about the EZX on our website.

https://www.edgeproducts.com/products/in-line_chips_and_modules/ezx/

Read Me

Safety/Warning Indicators & Messages

Throughout this User Manual you will see important messages regarding your safety or the protection of your vehicle. These messages are designated by the words WARNING, CAUTION, or NOTE.

⚠ WARNING

A ⚠ WARNING indicates a hazardous situation which, if not avoided, will result in death or serious injury, and/or damage to the vehicle and/or product.

⚠ CAUTION

A ⚠ CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury, and/or damage to the vehicle and/or product.

NOTE
A NOTE is a step or reminder that is important to follow and remember when installing or using the product. Failure to observe these notes could result in damage to the product and/or vehicle.

The product you have purchased is a high-performance product. As such, it does present some risks of which you should be fully aware. Do not use this product until you have carefully read the following safety information and the Owner Agreement.

⚠ *WARNING: Prior to use, read the User Manual. Misuse of the device could result in traffic accidents, death or serious injury, and/or damage to your vehicle. HOLLEY IS NOT RESPONSIBLE FOR AND SHALL HAVE NO LIABILITY TO YOU FOR ANY CLAIMS ARISING OUT OF OR RELATING TO ANY MISAPPLICATION OF THE DEVICE, CUSTOM TUNES, IMPROPER USE OF CALIBRATIONS, MALFUNCTION OR LACK OF LEGAL COMPLIANCE FOR CUSTOM PROGRAMS CREATED BY THIRD PARTIES.*

Safety Guidelines & CARB/EPA Compliance

Before using device, read and understand the user manual, including these additional safety instructions. Failure to do so could result in DEATH or SERIOUS INJURY.

- Do not exceed legal speed limits on public roadways. Violating traffic laws is dangerous and could result in injury or vehicle damage or both.
- Use any enhanced speed capabilities of this product only in closed circuit, legally sanctioned racing environments expressly for this purpose. Violating traffic laws is dangerous and could result in injury or vehicle damage or both.
- Do not operate the device while driving. Distracted driving could result in traffic accidents, death or serious injury, and/or damage to your vehicle.
- Always perform all adjustments or changes while stopped. Changing a setting while driving can interfere with your attention to roadway conditions and could result in injury or vehicle damage or both.
- Do not stack products. "Stacking" performance-enhancing devices or other improper installation can cause power train failure on the road. Other products may have features incompatible with your device. Follow all installation and operating instructions.
- Some modifications may affect other parts of your vehicle. For example, if you remove/adjust the speed limiter in your vehicle, be sure your tires and other components are rated for the increased speeds they will have to withstand. Not doing so can lead to loss of vehicle control. Modify the speed limiter only for use in closed circuit, legally sanctioned racing environments, not for use on public roadways.

NOTE: The stickers included in some products apply to products that have received CARB exemption for emissions compliance. This label is required for inspection in California's Smog Check program.

This product may meet the emissions compliance requirements of the California Air Resources Board (CARB) and Federal Environmental Protection Agency (EPA). If so, it is legal for sale and use on pollution-controlled vehicles operated on public streets and highways. The device must be installed and operated according to the instructions provided in this user's manual. Included with these compliant products is a sticker (similar to the one pictured) for you to install in your vehicle. Please clean a flat surface in a visible location under the hood and affix the enclosed

Holley
TUNING GROUP

CARB E.O. No. D-000-00
www.HOLLEY.com
(888)-360-3343
1801 Russellville Rd, Bowling Green, KY 42101

CARB EO sticker to it. The purpose of these stickers is to inform anyone who may have questions regarding the use of this product and how it affects emissions. An example of the need for this sticker would be something to show an emissions technician when taking your vehicle in for an emissions check to let him/her know the product is CARB emissions compliant.

For more information regarding CARB and EPA compliant products, please check out our website: www.holley.com - or mail us via: 1801 Russellville Rd, Bowling Green, KY 42101

FCC & Industry Canada Compliance

MODEL: Parallax FCC ID: 2AA9B05 IC: 12208A-05

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
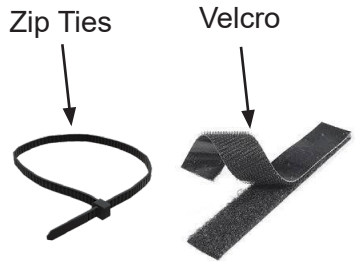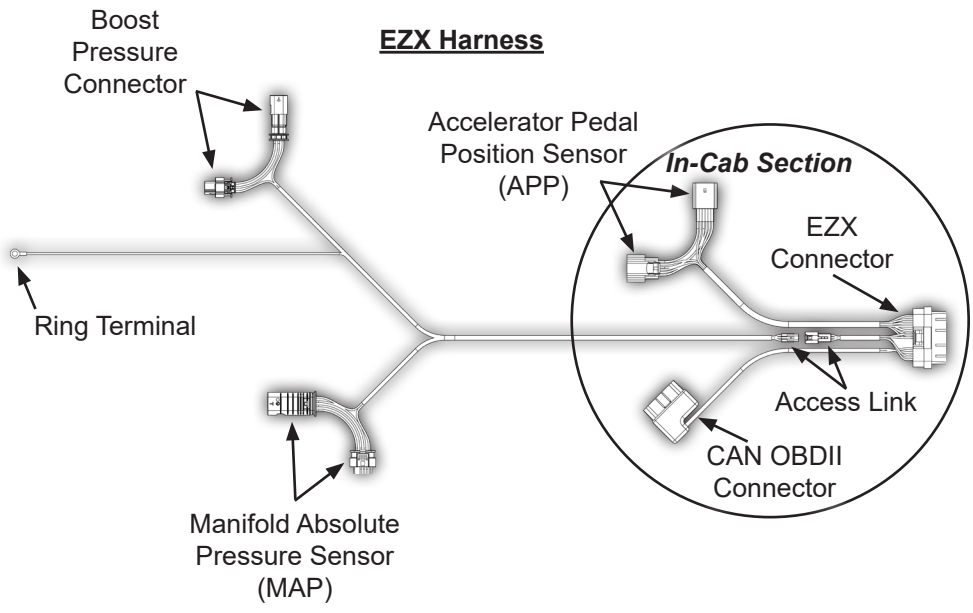
Industry Canada
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes: (1) ll'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnememnt.

Installation of EZX for 21-25 Ford Ecoboost

Materials

Boost
Pressure
Connector

EZX Harness

Accelerator Pedal
Position Sensor
(APP)

In-Cab Section

EZX
Connector

Ring Terminal

Access Link

CAN OBDII
Connector

Manifold Absolute
Pressure Sensor
(MAP)

Zip Ties

Velcro

EZX
Module

Required Tools

10mm & 11mm Sockets/Wrench
Precision Knife/Blade

Installation

NOTE: This manual works for both the Ford Bronco and F-150, and contains separate images where needed. Please be certain you are using the correct image for reference. Which vehicle each image is used for is identified in the top left corner of the image.

STEP 1 - To prevent causing trouble codes, disconnect the negative terminal on the battery using a 10mm socket and socket wrench.
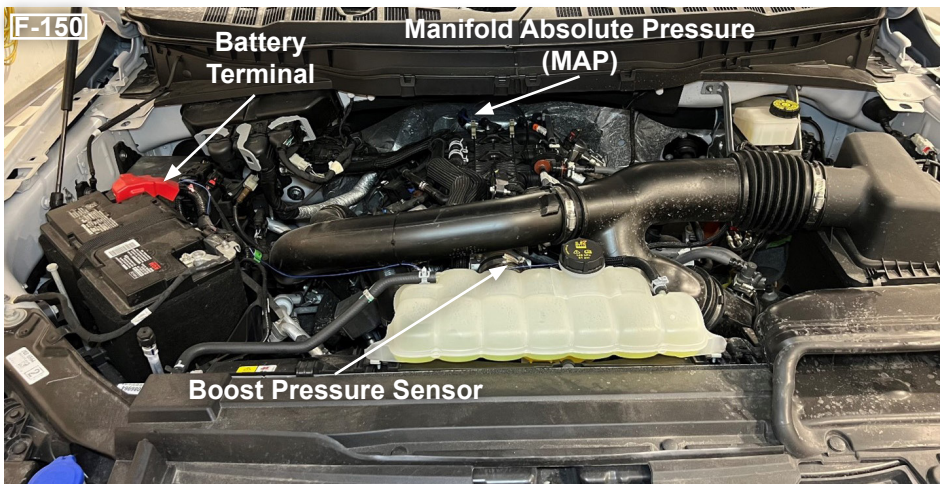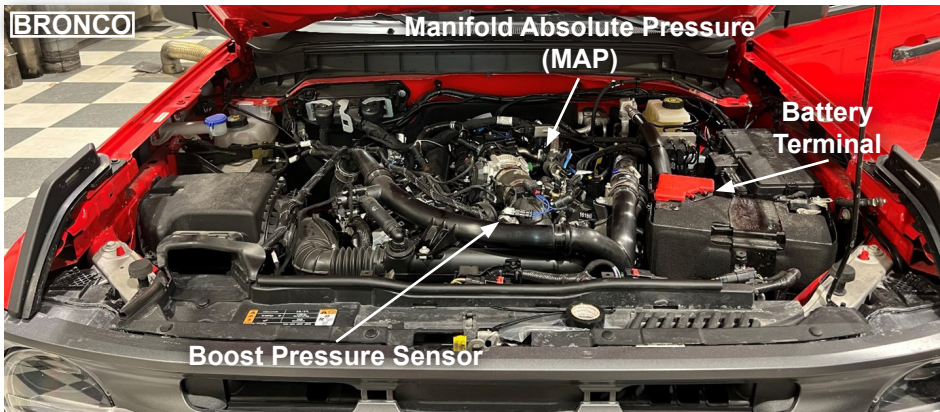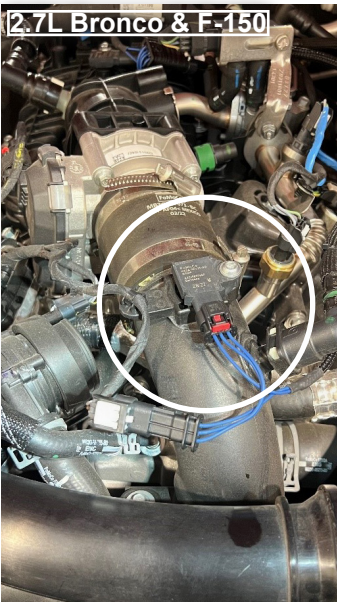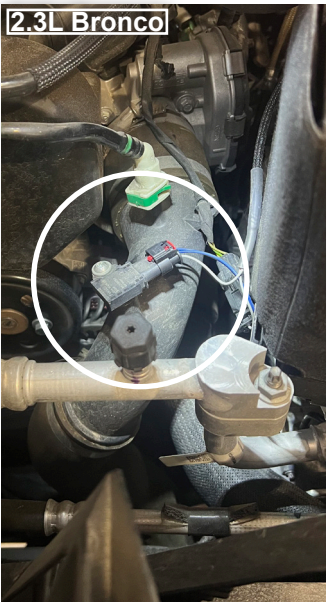
Installation Cont'd

NOTE: For F-150's you will need to remove the engine cover. Use a 10mm socket and ratcheting wrench to remove the 2 bolts holding down the engine cover. Then pull the engine cover up and toward the front of the vehicle and set aside.
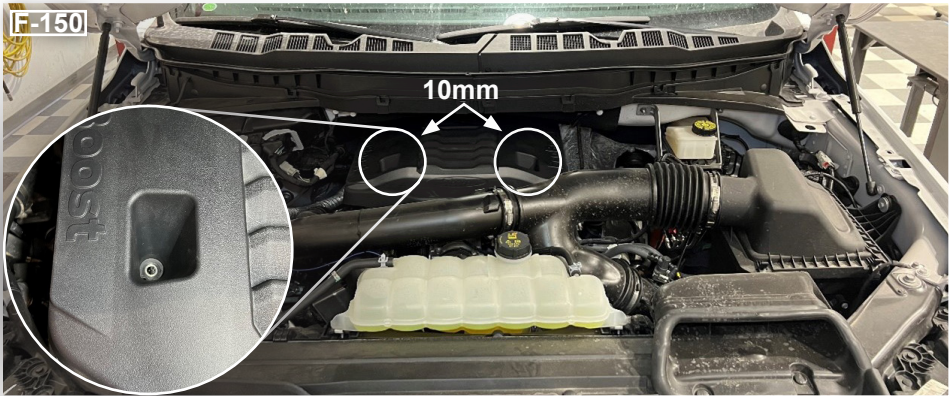
STEP 2 - Locate the Boost Pressure Sensor connector on the charge pipe before the throttle body. Disconnect the Boost Pressure Sensor by sliding the locking tab then squeezing it. Connect both connectors to the EZX harness and lock the locking tabs.
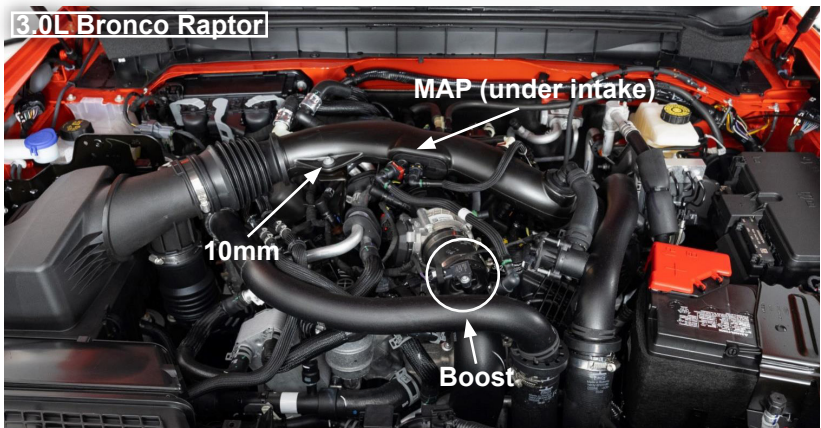
Installation Cont'd

STEP 3 - Locate the MAP sensor found on the intake manifold behind the throttle body. Disconnect the MAP sensor by sliding the locking tab then squeezing it. Connect both connectors to the EZX harness and the locking tabs.


For 3.0L Bronco Raptors, remove the 10mm nut securing the intake tube then lift it up slightly to access the MAP sensor. Remove the metal plate on the MAP sensor by removing the 10mm bolt. Return to Step 3 to install EZX harness.

NOTE: The MAP connector looks just like the boost connector, but has 4 wires instead of 3.

Installation Cont'd

STEP 4 - Flip open the positive terminal cover on the battery and remove one of the nuts using a socket and ratchet (11mm for Bronco, 10mm for F-150). Install the Ring Terminal and replace the nut.
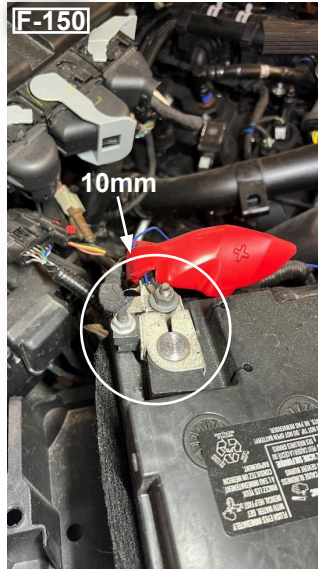

Inside Cab

STEP 5 - Locate the large rubber grommet with the harness running through the firewall and cut an access hole through both layers. Then disconnect the in-cab harness via the 6-pin Access Link on the EZX harness by depressing the release tab. Feed the 6-pin Access Link connector from the engine bay through the firewall via the access hole. Finally reconnect the 6-pin Access Link together inside the cab.
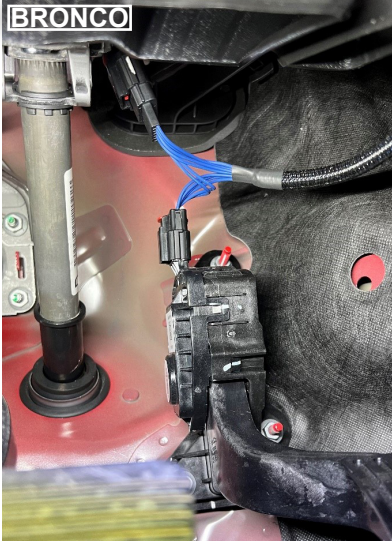
Installation Cont'd

BRONCO

Grommet

EZX
Harness

Fuse Box

BRONCO

Access Link

F-150

Hole

Access Link
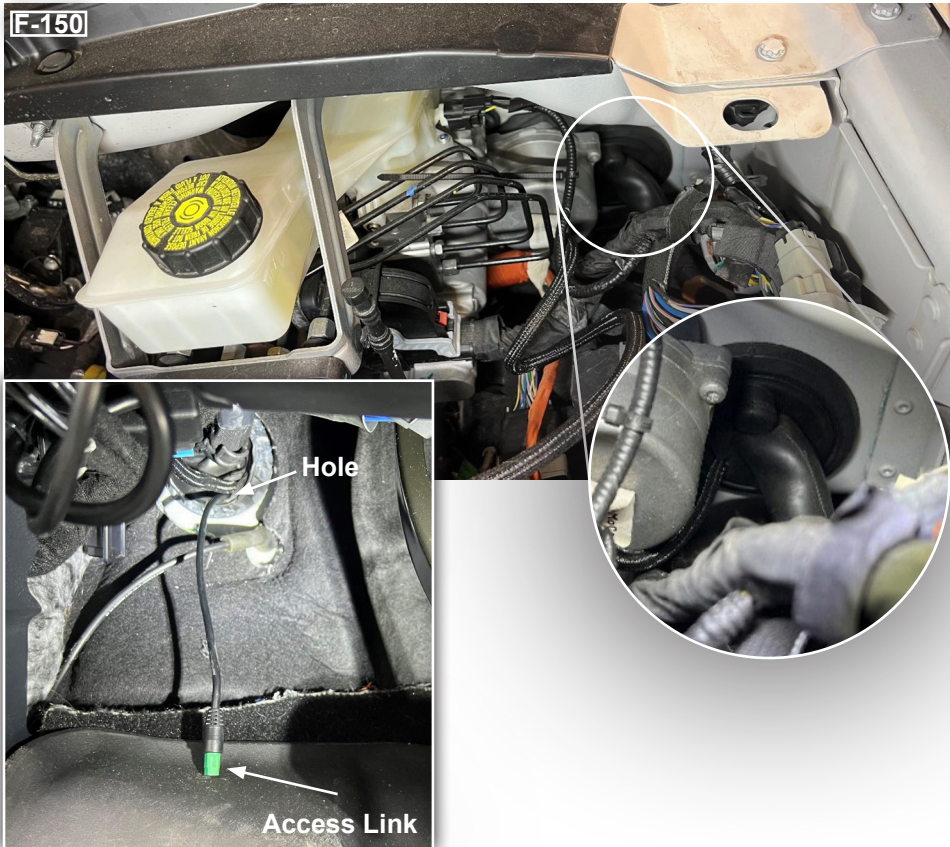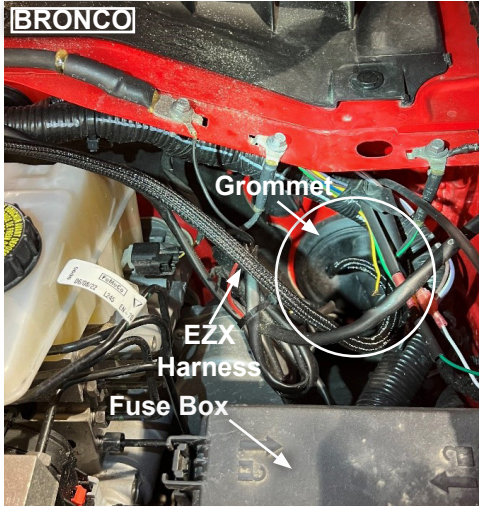
Installation Cont'd

STEP 6 - Locate the APP connector above the accelerator pedal and disconnect it by pulling up on the red lock tab and then pushing in the release tab. Connect both connectors to the EZX.

STEP 7 - Connect the OBDII plug into the OBDII port located on the lower left side of the kick panel. Then, connect the harness to the EZX (it should click into place if completely plugged in).
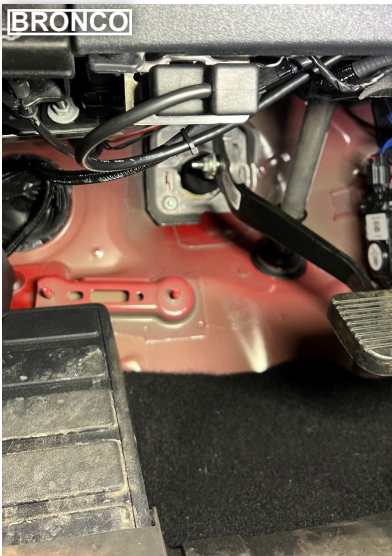
Installation Cont'd

STEP 8 - Tuck the module behind the driver's side kick panel so it is snugly held in place, then use provided zip ties to secure excess cables away from the brake and accelerator pedals, hot surfaces, and any moving components in the cab and the engine bay.

STEP 9 - Reconnect the negative battery terminal and tighten with a 10mm socket and ratchet.

How to Disconnect the Access Link Connector

During the installation process, or if removal of the device/harness is needed, you will need to disconnect the Access Link connector using these instructions. Failure to do so may result in damage to the harness.

STEP 1 - Take a pick tool and locate the small locking clip on the green/teal portion of the connector.
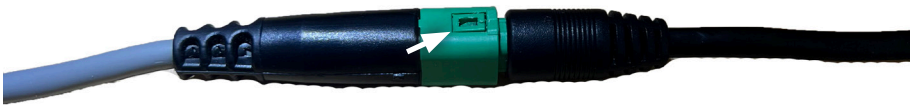
STEP 2 - Carefully insert the pick tool tip under the connector, and push the locking clip upward/outward to release the connector.
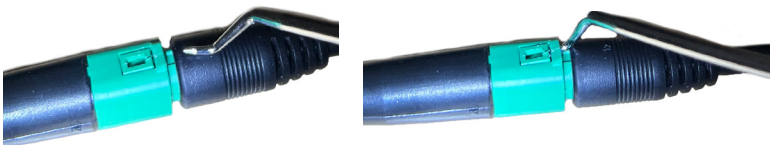
STEP 3 - Pull the connector apart while holding the clip out.

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FAQs

Frequently Asked Questions

Question: What should I do if I'm getting codes or a check engine light on my truck?
Answer: This can happen if the truck is not fully powered down before installing the EZX (battery is not disconnected), or because of improper installation of the EZX.

  Fix 1: Double check all EZX connections, and make sure all connections are fully making contact.

  Fix 2: If codes are still coming up, use the EZX app to read and clear codes, and then drive the vehicle to see if they come back up. If the codes persist, call tech support.

Question: Does the EZX program the PCM?
Answer: Yes, EZX has a couple of options that will program the PCM. If you make any changes to these settings, we recommend reverting or reprogramming to stock before going to the dealer.

Question: What is the best way to accurately measure tire size?
Answer: Mark a line on the ground where the center of the tire rests, then drive the vehicle for two full rotations of the tire and mark the spot where it comes to a rest with another line. Measure the length between the two lines and divide by two. Then divide that number by Pi π (3.14159265359).

Question: What happens if the OBDII plug is/needs to be unplugged?
Answer: The vehicle will revert back to the stock power level until the OBDII connection is reconnected.

Question: Can I use an OBDII splitter with the EZX?
Answer: Yes, an OBDII splitter may be used as long as all 16 pins are populated.

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