PULSAR

INLINE CONTROL MODULE XT

2019-2023 Ram 5.7L

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Pulsar XT 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 Pulsar XT on our website.

https://www.holley.com/products/tuners_and_programmers/inline_tuning_modules/pulsar_xt/

Read Me

Safety Warning & Caution

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 NOTICE.

⚠ WARNING

A WARNING indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ CAUTION

A CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

A NOTICE indicates a condition that could cause damage to the product or your vehicle.

NOTE

A NOTE is a step or reminder that is important to remember when installing or using the product.

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

NOTE: The stickers included in some products apply to products that have recieved CARB exemption for emissions compliance.

This product may meet the emissions compliance requirements of the California Air Resources Board and Federal Environment Protection Agency. 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 instruction provided in this user manual. Included with these compliant products is a sticker for you to keep in your vehicle. You can either adhere it somewhere on the vehicle (e.g., the inside end of driver's door) or simply store it in your glove box. The purpose of these stickers is to inform anyone who may have questions regarding the use of this product and how it affects emissions. For example, it would be something to show an emissions technician if questioned when taking your vehicle in for an emissions check to let him/her know the product is CARB emissions compliant.

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.
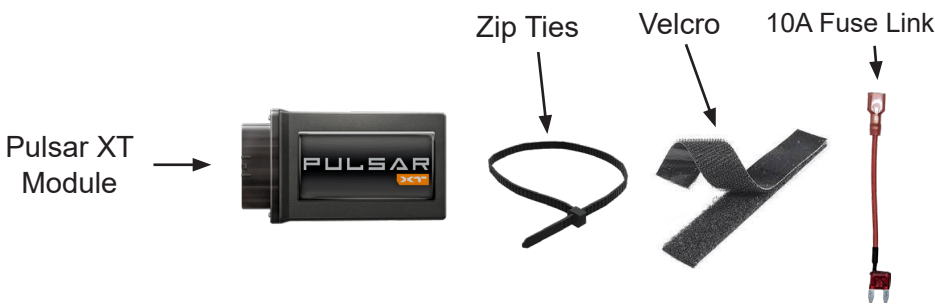
Industry Canada

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 Pulsar XT 19-23 Ram 1500

Materials

Accelerator Pedal
Position Sensor
(APP)

Pulsar XT Harness

Pulsar XT
Connector

CAN
Connector

12V Power Wire

Zip Ties

Velcro

10A Fuse Link

Pulsar XT
Module
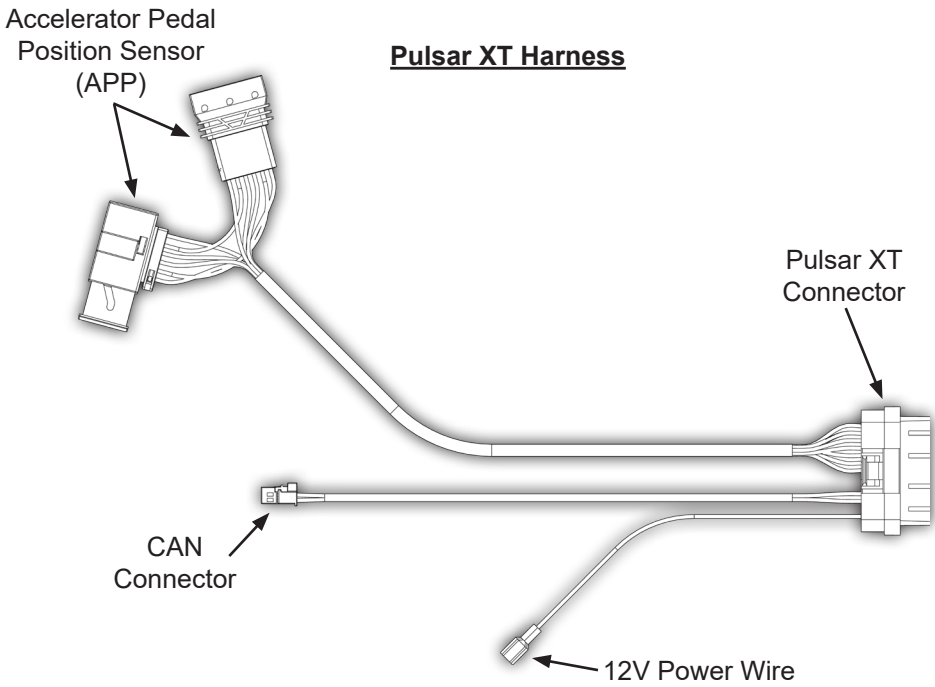
PULSAR XT

Required Tools

7mm & 10mm Sockets/Wrench
Pick Tool

Pulsar XT Installation

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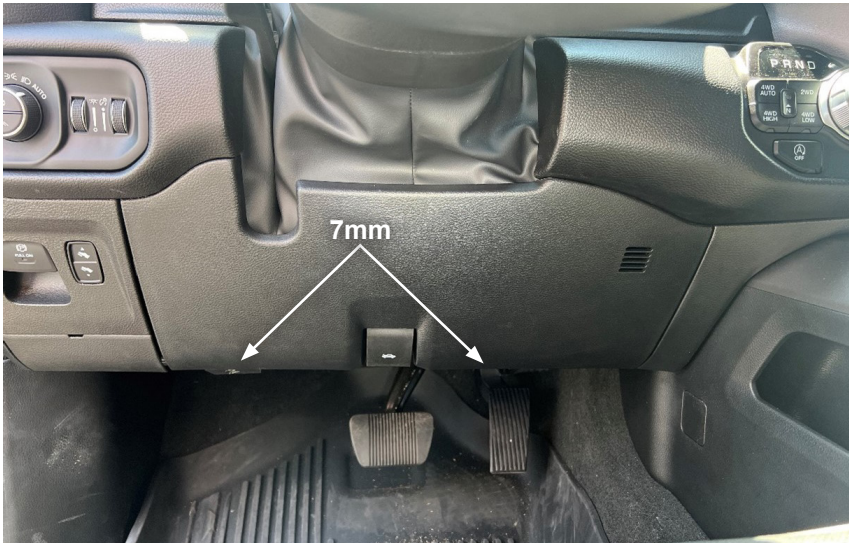
Pulsar XT Installation Cont'd

**STEP 2** - Remove the two 7mm bolts on the bottom of the lower dash panel.

Pulsar XT Installation Cont'd

STEP 3 - Pull the lower dash panel while out being careful not to break the plastic clips. See image for plastic clip locations.
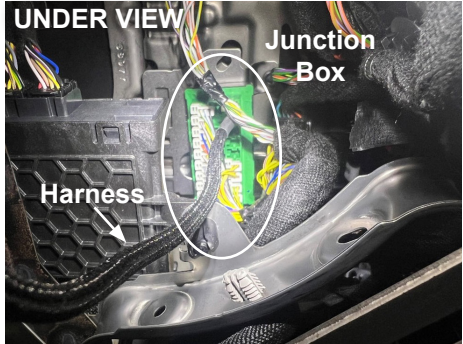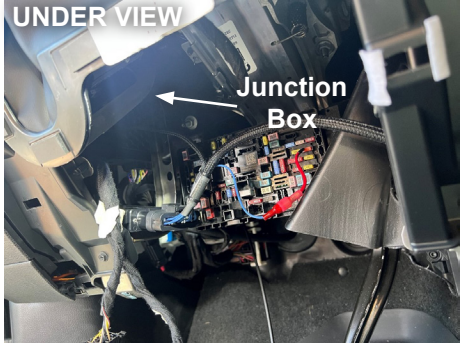
STEP 4 - To make the CAN junction box more accessible, use a trim tool to carefully work around the 6 clips on the lighting switch panel. Once removed, set the panel aside.
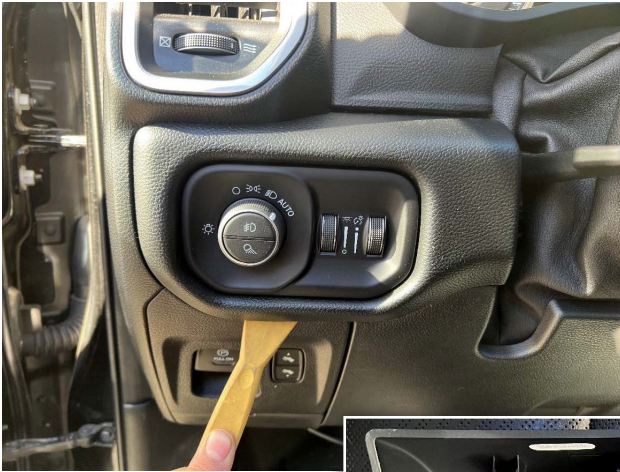
Pulsar XT Installation Cont'd

STEP 5 - Route the CAN connector to the junction box located on the driver's side of the dashboard. Plug into any open port of the green junction box.
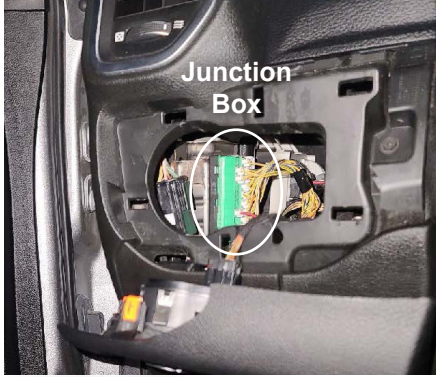
STEP 6 - Once the CAN connector is plugged in, replace the lighting switch panel back into the dash.

NOTE: Should you need to remove the star connector (CAN) from the junction box for any reason, release the lock tab by inserting a pick tool or similar into the back of the star connector opposite side of the wires, then pull to remove.
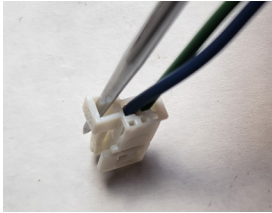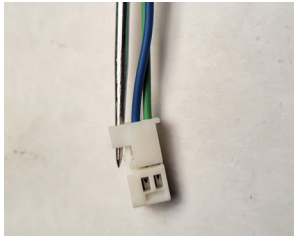
Pulsar XT Installation Cont'd

STEP 7 - Connect the 10-amp leaded fuse to the 12V Power Wire on the Pulsar XT harness, then remove the factory 10-amp fuse from F33 (The fuse numbers will be labeled above each fuse). Then install the leaded fuse into fuse location F33 making sure to orient the lead towards the driver's side of the vehicle.

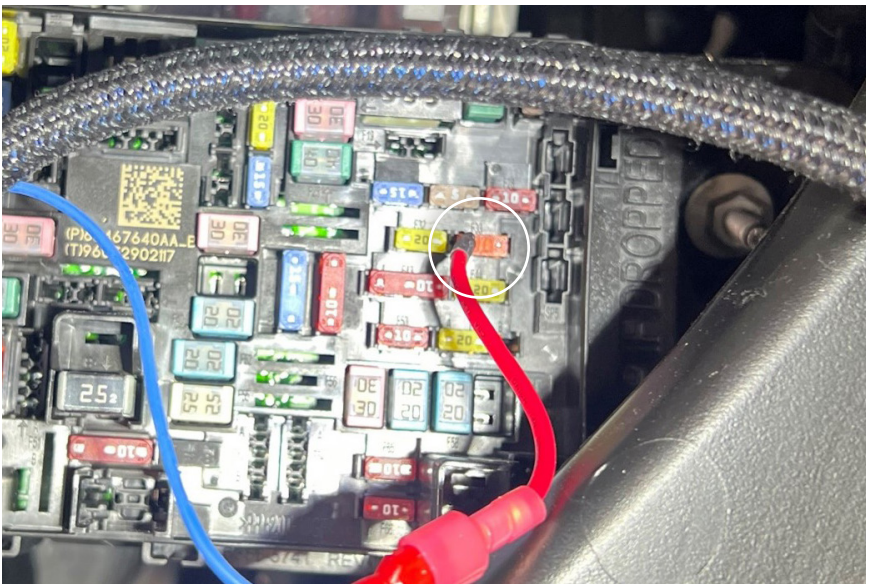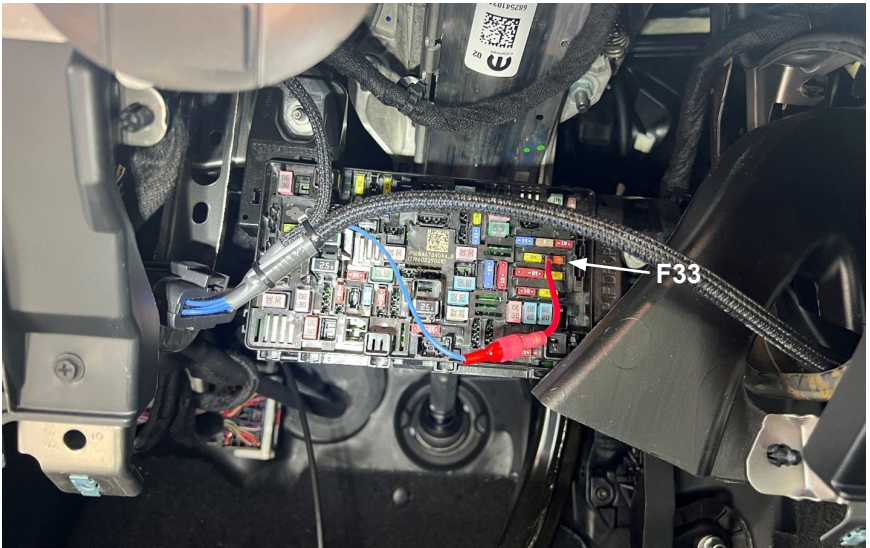# Pulsar XT Installation Cont'd

STEP 8 - Route the APP (Accelerator Pedal Position) connector over to the throttle pedal. Disconnect the factory APP connector (located above the accelerator pedal) by sliding the locking tab towards the rear of the vehicle. As the lock tab slides out, the connector will slowly slide up and release. Connect both sides into the Pulsar XT harness.
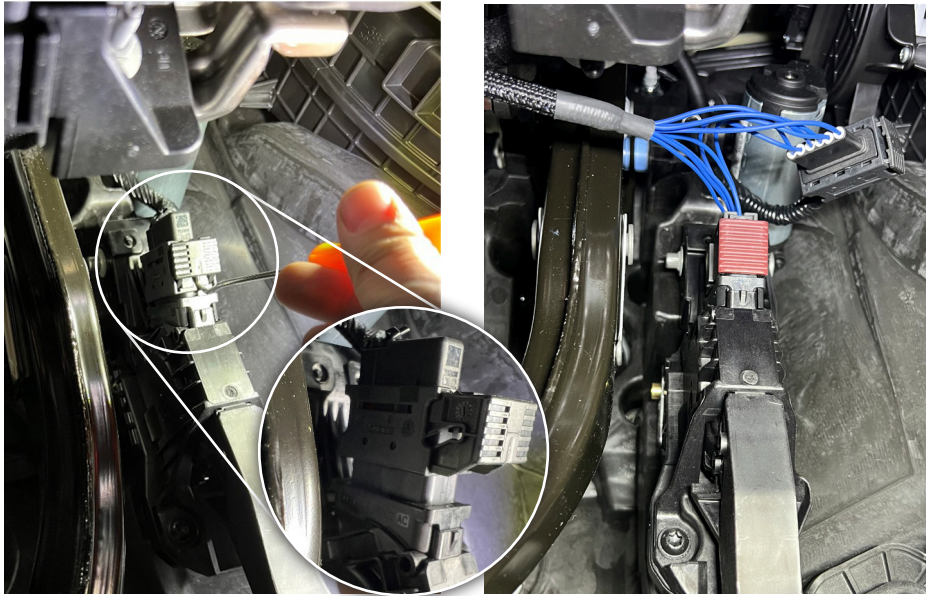
STEP 9 - Connect the Pulsar XT module into the Pulsar XT Connector and mount it behind the lower dash panel and secure it to the dashboard brace.

Brace
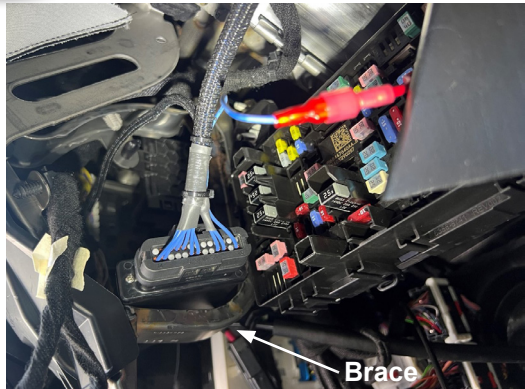
STEP 10 - Reinstall the lower dash panel and reconnect the negative terminal on the battery

Pedal Sensitivity Levels

Steering Wheel Controls

With cruise control off, the Pulsar XT is controlled using the Cruise Control buttons.

Steering Wheel Controls	
	Function
RES+	Level Up
SET-	Level Down
CANCEL	View Level

Pedal Sensitivity Levels Setup

Dash Option A
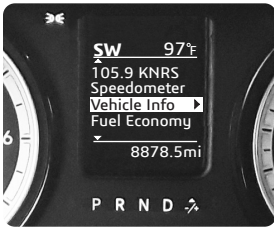
This dash display requires modifications to the menu settings before pedal sensitivity level changes can be viewed.

STEP 1 - Place the ignition into the RUN Position.

STEP 2 - Using the arrow buttons on the steering wheel, enter the sub menu as shown below. Select the Audio option in the Info Line sub-menu. This will allow you to view the pedal sensitivity level while in the Main Menu.

Pedal Sensitivity Levels Setup Cont'd

Dash Option B

STEP 1 - Place the ignition into the RUN position.

STEP 2 - Using the left side steering wheel controls, enter the Screen Setup menu.

STEP 3 - Select the Center gauge as shown.

> 0 MPH   77 °F
> MENU
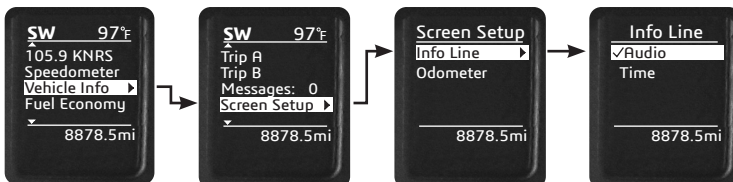> Range mi
> Favorite Menus
> 3 — Center
> Upper Left
> Press OK to Select
> ◁ to Exit
> 2
> SPEED
> 162 161 160 159
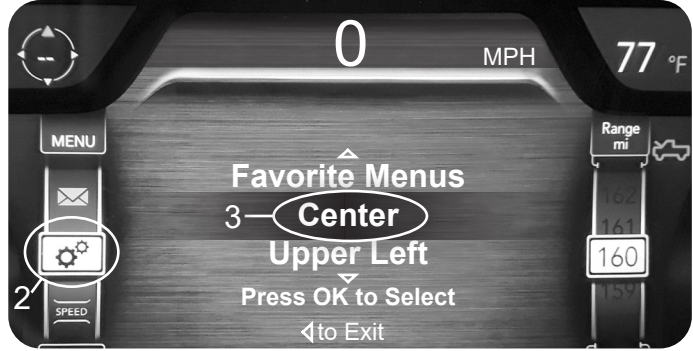
STEP 4 - Scroll through the available options and select the Audio option. *(The Pulsar XT device utilizes your radio's communication signals to interface with the gauge display.)*

> MUSIC OFF   77 °F
> Center
> MENU
> Range mi
> Trip B Distance
> ✓ 4 — Audio
> Menu Title
> Press OK to Select
> ◁ to Exit
> SPEED
> 162 161 160 159

Pedal Sensitivity Levels Setup Cont'd

Dash Option A

STEP 1 - To change the pedal sensitivty level, use the RES+ and SET- buttons while cruise control is off. The level will briefly appear then disappear in the radio station slot.

STEP 2 - To view the current pedal sensitivity level, press the CANCEL button on the steering wheel. The level will be displayed.

Dash Option B

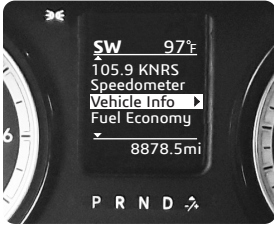**STEP 1** - To change the pedal sensitivity level, use the RES+ and SET- buttons while cruise control is off. The level will briefly appear then disappear in the radio station slot.

STEP 2 - To view the current pedal sensitivity level, press the CANCEL button on the steering wheel. The level will be displayed.

Changing Pedal Sensitivity Level

Pedal Sensitivity Levels are displayed on the instrument cluster's display as Audio info. (Stock, Economy -1, Cruise +1, Drive +2, Sport +3, Extreme +4, Hot +5, Ludicrous +6

To change pedal sensitivity level, use the SET+ and SET- buttons while cruise control is off.

If you would like to view which level you are in without changing levels, press CANC and the power level will briefly appear on the display.

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 Pulsar XT (battery is not disconnected), or because of improper installation of the Pulsar XT.

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

   Fix 2: If codes are still coming up, use the Pulsar XT 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: Can I shift on the fly with the Pulsar XT?
Answer: Yes, this device allows you to change pedal sensitivity on the fly using the cruise controls or the Pulsar XT app.

Question: Does the Pulsar XT program the PCM?
Answer: Yes, Pulsar XT 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).

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For additional questions not found in the user guide, call:
Holley Technical Support: (888)-360-3343
Mon - Fri 8:00 am - 5:00 pm MST, Sat 8:00 am - 2:00 pm MST

To expedite your support call, please have your Vehicle Information, Part Number, and Serial Number ready prior to calling Technical Support.

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