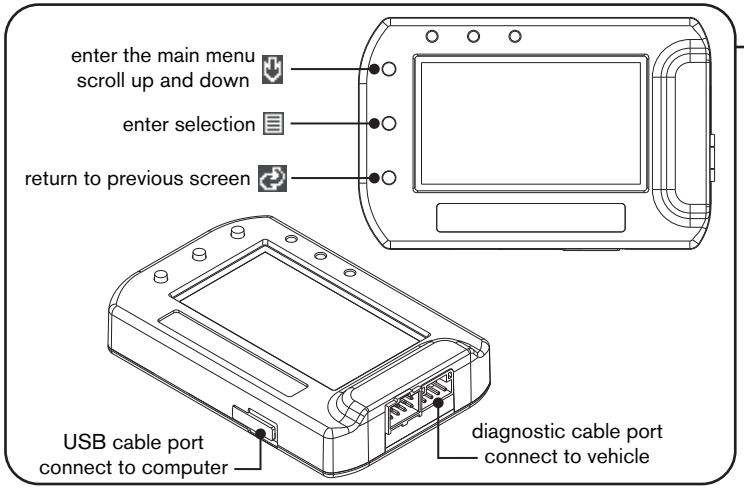
Power Vision CX– Polaris

Trinity Racing Power Vision CX Quick Start Guide

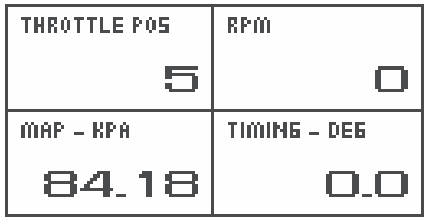
DO NOT OPERATE THIS DEVICE WHILE DRIVING.
PERFORM ALL ADJUSTMENTS OR CHANGES WHILE THE VEHICLE IS STOPPED.



TR-V100 & TR-V101 **PVCX Introduction**

Thank you for purchasing the Power Vision CX (PVCX) from Dynojet Research. The PVCX module is the interface device between your computer and the vehicle ECU allowing you to tune your stock ECU to achieve optimal performance from your vehicle.
Use the three buttons to navigate the device menus and make selections. Connect to the diagnostic port to flash a tune; use the USB connection to interface between the PVCX and your computer. When mounted to the vehicle, the PVCX displays four live channels (channels shown are vehicle dependent):

- Throttle Position (throttle blade)
- RPM
- MAP (manifold air pressure in Kpa)
  turbo models will display relative boost in PSI
- Timing (total timing from MAG cylinder)



Installing the PVCX

1. Secure the PVCX to the vehicle using the supplied Velcro or a suitable mount using the standard AMP mounting holes on the back of the PVCX. Make sure the PVCX will not interfere with the operation and steering of the vehicle.
   Note: The PVCX does not need to be mounted to the vehicle.
2. Attach the diagnostic cable to the diagnostic cable port on the PVCX and to the diagnostic port on the vehicle. Ranger Models: located under the seat. RZR Models: located under the front cover near the coolant reserve bottle.

Getting Started

Use the Tune File Wizard to prepare your PVCX device with the stock (stk) and tune (djt) files needed to flash your vehicle.

1. Connect the PVCX to the vehicle.
2. Turn the key on.

There are four possible file states:

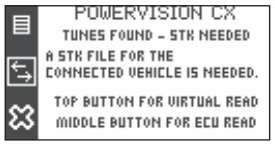
- **File State 1:** No matching tune or stock files.
- **File State 2:** All files found, ready to flash a tune to the vehicle.
- **File State 3:** Stock file found, need a tune file.
- **File State 4:** Tune file found, need a stock file.

File State 1: Go to www.dynojet.com/pvcxws.aspx. Upload the PVINFO.txt file to retrieve files.

File State 2: All files found. The PVCX is ready to flash a tune to the connected vehicle.

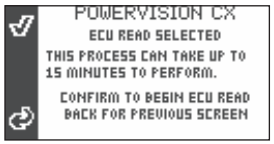
File State 3: Go to www.dynojet.com/pvcxws.aspx. Upload the PVINFO.txt file to retrieve files.

File State 4: Press the top button for Virtual Read or the middle button for ECU Read.



Virtual Read–Go to www.dynojet.com/pvcxws.aspx. Upload the PVINFO.txt file to retrieve files. Load the file on the PVCX.

ECU Read–The PVCX will read the ECU and create the stock file. This process takes about fifteen minutes.



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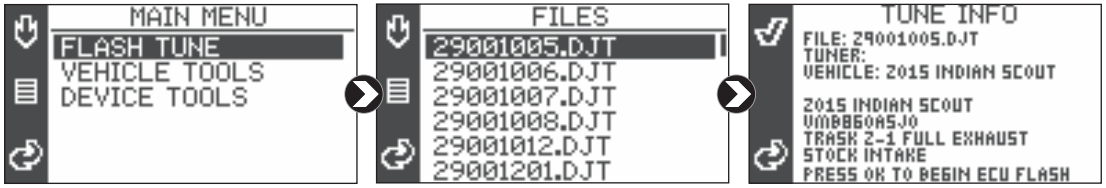
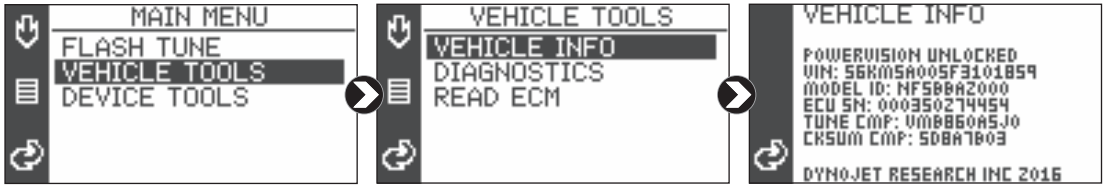
Flashing Your Vehicle

1. From the Main Menu, select **Flash Tune**.
2. Select the tune file to flash.
3. Press **Enter** to flash the tune to the ECU. Do not turn off the key switch or disconnect the PVCX during flash.
4. After the flash is complete, turn the key off and wait 45 seconds before turning the key back on to start.



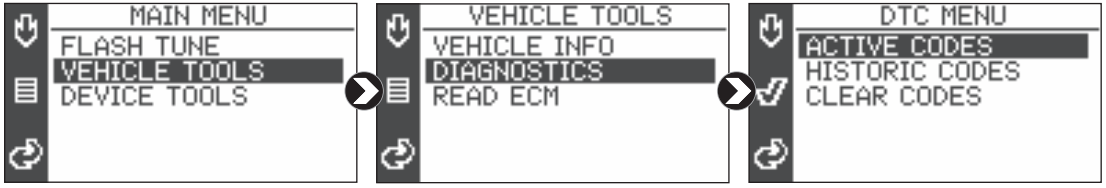
Viewing the Vehicle Info

This menu allows you to view the device status (locked/unlocked), VIN #, Model #, ECU serial number, and Tune CMP.
Select **Vehicle Tools** >**Vehicle Info**.



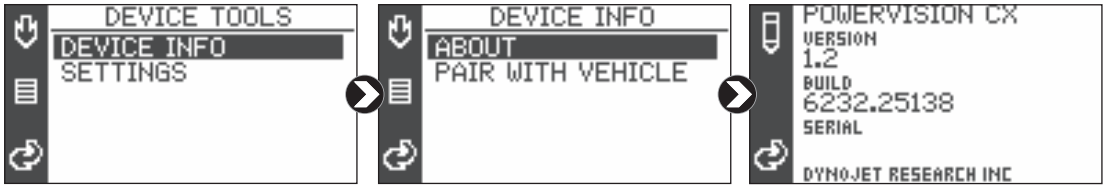
Viewing Diagnostic Codes

This menu allows you to read and clear diagnostic trouble codes (DTC).
1. To read codes, select **Vehicle Tools** >**Diagnostics** >**Active Codes**.
2. To clear codes, select **Vehicle Tools** >**Diagnostics** >**Clear Codes**.



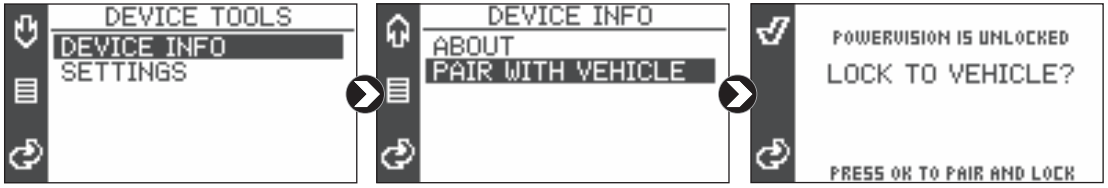
Viewing the PVCX Info

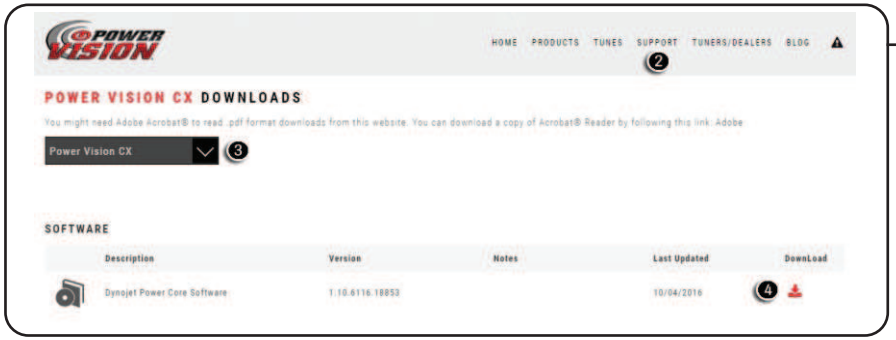
This menu allows you to view PVCX info.
Select **Device Tools** >**Device Info** >**About**.
If requested by Dynojet Tech Support, use the following steps to create a text file:
1. Press the top button to create a text file.
2. Connect the PVCX to your computer.
3. Email PV_INFO.TXT to PVCXtech@dynojet.com.



Pairing the PVCX to a Vehicle

The PVCX must be paired to the vehicle ECU to function properly.
Note: Once paired to the vehicle ECU, the PVCX will not work on another vehicle.
1. From the Main Menu, select **Device Tools**.
2. Select **Device Info** >**Pair with Vehicle**.
3. Press **Enter** to pair and lock the PVCX to the ECU.





Installing the Power Core Software

Download the Power Core software and take tuning to a whole new level.
1. Go to www.dynojet.com/PowerVision.
2. From the top navigation menu, select **Support** >**Downloads**.
3. Select **Power Vision CX** from the drop-down menu.
4. Download the Dynojet Power Core Software. Save the file in a convenient location such as your desktop.
5. Double-click the saved file to begin installation. Follow the on-screen prompts to install the Power Core Software.

Refer to the Power Core Help for information and step-by-step guidance for common tasks.