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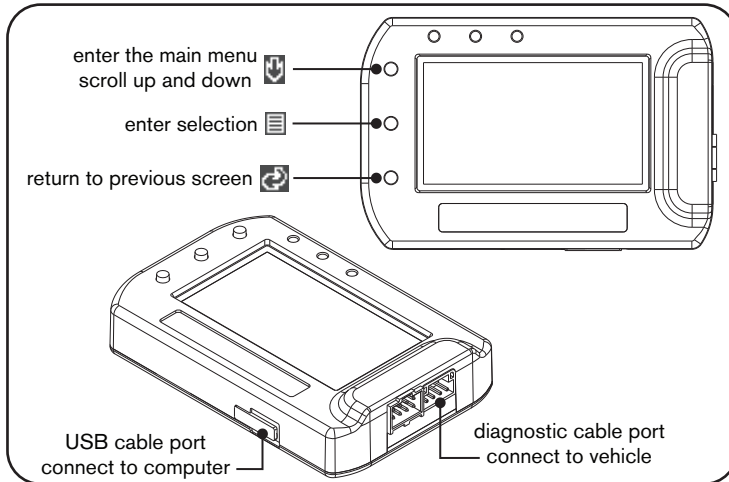
DO NOT OPERATE THIS DEVICE WHILE DRIVING.
PERFORM ALL ADJUSTMENTS OR CHANGES WHILE THE VEHICLE IS STOPPED.

TR-V100 & TR-V101   PVCX Introduction

enter the main menu
scroll up and down

enter selection

return to previous screen

USB cable port
connect to computer

diagnostic cable port
connect to vehicle

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)

THROTTLE POS	RPM
5	0
MAP – KPA	TIMING – DEG
84.18	0.0

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.

POWERVISION CX
NO COMPATIBLE FILES FOUND
YOUR CX DEVICE CURRENTLY DOES
NOT HAVE ANY INSTALLED FILES
FOR THE CONNECTED VEHICLE.
FOR AVAILABLE FILES VISIT:
WWW.DYNOJET.COM/PVCXWS.ASPX

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

POWERVISION CX
ALL FILES FOUND
YOUR POWERVISION CX DEVICE
IS READY TO FLASH THE
CONNECTED VEHICLE.
WIZARD COMPLETE

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

POWERVISION CX
STK FOUND – TUNES NEEDED
YOUR CX DEVICE CURRENTLY DOES
NOT HAVE ANY TUNES INSTALLED
FOR THE CONNECTED VEHICLE.
FOR AVAILABLE TUNES VISIT:
WWW.DYNOJET.COM/PVCXWS.ASPX

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

POWERVISION CX
TUNES FOUND – STK NEEDED
A STK FILE FOR THE
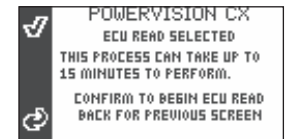CONNECTED VEHICLE IS NEEDED.
TOP BUTTON FOR VIRTUAL READ
MIDDLE BUTTON FOR ECU READ
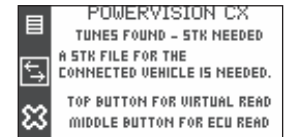
Virtual Read–Go to www.dynojet.com/pvcxws.aspx. Upload the PVINFO.txt file to retrieve files. Load the file on the PVCX.
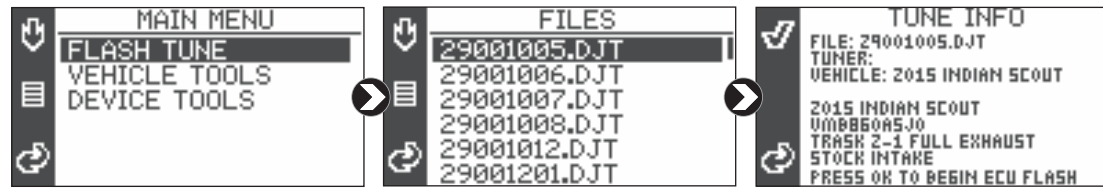
POWERVISION CX
VIRTUAL READ – FILES NEEDED
A STK FILE FOR THE
CONNECTED VEHICLE IS NEEDED.
CONNECT TO COMPUTER AND VISIT
WWW.DYNOJET.COM/PVCXWS.ASPX
TO RETRIEVE NECESSARY FILES.
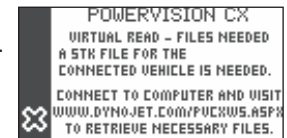
ECU Read–The PVCX will read the ECU and create the stock file. This process takes about fifteen minutes.

POWERVISION CX
ECU READ SELECTED
THIS PROCESS CAN TAKE UP TO
15 MINUTES TO PERFORM.
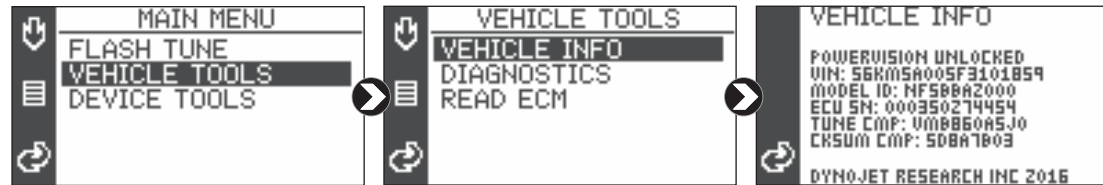CONFIRM TO BEGIN ECU READ
BACK FOR PREVIOUS SCREEN

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.

```
        MAIN MENU
FLASH TUNE
VEHICLE TOOLS
DEVICE TOOLS
```

```
        FILES
29001005.DJT
29001006.DJT
29001007.DJT
29001008.DJT
29001012.DJT
29001201.DJT
```

```
        TUNE INFO
FILE: 29001005.DJT
TUNER:
VEHICLE: 2015 INDIAN SCOUT

2015 INDIAN SCOUT
VMBB60A5J0
TRASK 2-1 FULL EXHAUST
STOCK INTAKE
PRESS OK TO BEGIN ECU FLASH
```
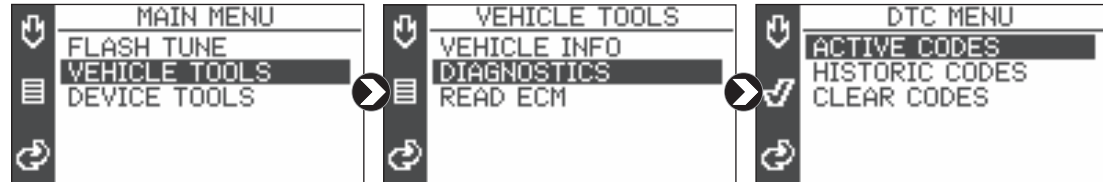
Viewing the Vehicle Info

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

```
        MAIN MENU
FLASH TUNE
VEHICLE TOOLS
DEVICE TOOLS
```

```
        VEHICLE TOOLS
VEHICLE INFO
DIAGNOSTICS
READ ECM
```

```
        VEHICLE INFO
POWERVISION UNLOCKED
VIN: 56KM5A005F3101859
MODEL ID: NF5BBAZ000
ECU SN: 000350274454
TUNE CMP: VMBB60A5J0
CKSUM CMP: 5DBA7B03

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```

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**.

```
        MAIN MENU
FLASH TUNE
VEHICLE TOOLS
DEVICE TOOLS
```

```
        VEHICLE TOOLS
VEHICLE INFO
DIAGNOSTICS
READ ECM
```

```
        DTC MENU
ACTIVE CODES
HISTORIC CODES
CLEAR CODES
```
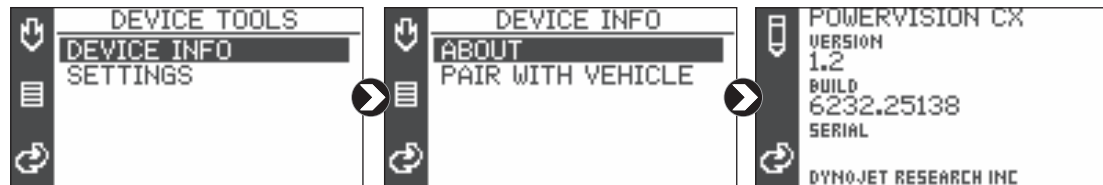
Viewing the PVCX Info

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.
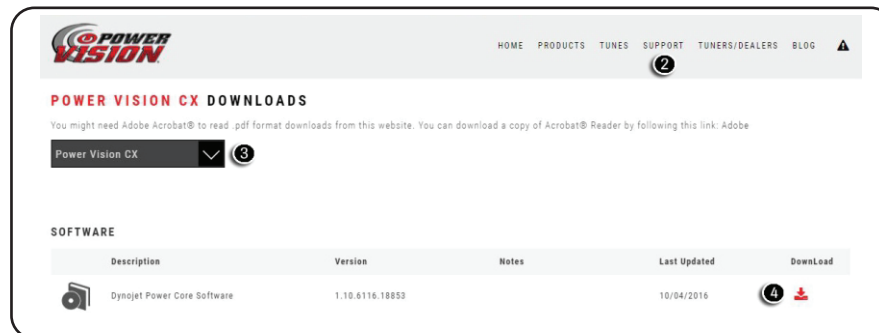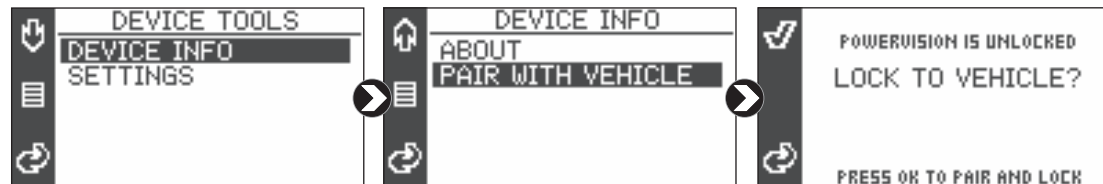3. Email PV_INFO.TXT to PVCXtech@dynojet.com.

```
        DEVICE TOOLS
DEVICE INFO
SETTINGS
```

```
        DEVICE INFO
ABOUT
PAIR WITH VEHICLE
```

```
        POWERVISION CX
VERSION
1.2
BUILD
6232.25138
SERIAL

DYNOJET RESEARCH INC
```

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.

```
        DEVICE TOOLS
DEVICE INFO
SETTINGS
```

```
        DEVICE INFO
ABOUT
PAIR WITH VEHICLE
```

```
POWERVISION IS UNLOCKED
LOCK TO VEHICLE?




PRESS OK TO PAIR AND LOCK
```

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.

POWER VISION CX DOWNLOADS

You might need Adobe Acrobat® to read .pdf format downloads from this website. You can download a copy of Acrobat® Reader by following this link: Adobe

Power Vision CX

SOFTWARE

Description	Version	Notes	Last Updated	DownLoad
Dynojet Power Core Software	1.10.6116.18853		10/04/2016	