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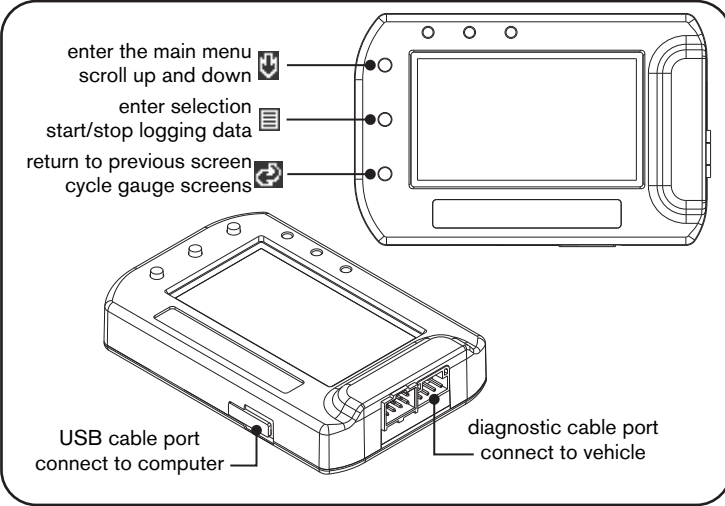
DO NOT OPERATE THIS DEVICE WHILE DRIVING.
PERFORM ALL ADJUSTMENTS OR CHANGES WHILE THE VEHICLE IS STOPPED.

enter the main menu
scroll up and down

enter selection
start/stop logging data

return to previous screen
cycle gauge screens

USB cable port
connect to computer

diagnostic cable port
connect to vehicle

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, make selections, cycle through the five available gauge screens, and log data. Connect to the diagnostic port to flash a tune; use the USB connection to interface between the PVCX and your computer.

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

Installing the PVCX
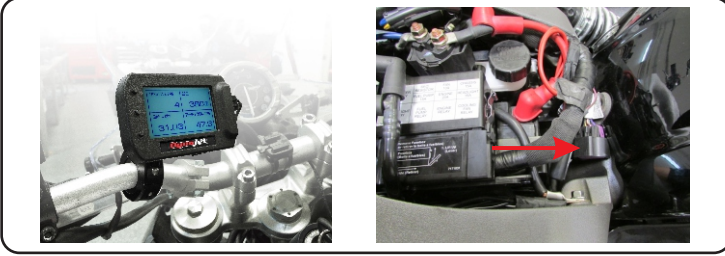
1. Secure the PVCX to the vehicle using the supplied Velcro or a suitable mount using the standard AMP mounting holes on the back of the PVCX (optional mount P/N 61300062). Make sure the PVCX will not interfere with the operation and steering of the vehicle.
Note: The PVCX does not need to be mounted to the vehicle.
2. Attach the diagnostic cable to the diagnostic cable port on the PVCX and to the diagnostic port on the vehicle. Scout Models: located under the seat. TS111 Models: located under the left hand side cover.

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. The PVCX will scan for files. There are four possible file states:
▪ **File State 1:** No compatible 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.
3. Gauges are displayed.

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

> POWER VISION CX
> NO COMPATIBLE FILES FOUND
> AN ECU READ IS REQUIRED TO BEGIN THE TUNING PROCESS.
> PRESS TOP BUTTON TO START
> PRESS BOTTOM BUTTON TO EXIT

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

> POWER VISION CX
> ALL FILES FOUND
> YOUR POWERVISION CX DEVICE IS READY TO FLASH THE CONNECTED VEHICLE.
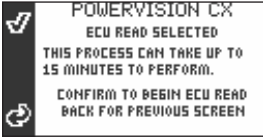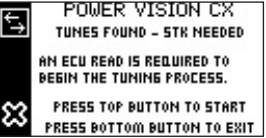> PRESS TOP BUTTON TO DELETE THE INCOMPATIBLE FILES.

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

File State 3: Go to www.dynojet.com/pvcxws.aspx. Upload the PV_INFO.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 ECU Read to begin the tuning process.

> POWER VISION CX
> TUNES FOUND – STK NEEDED
> AN ECU READ IS REQUIRED TO BEGIN THE TUNING PROCESS.
> PRESS TOP BUTTON TO START
> PRESS BOTTOM BUTTON TO EXIT

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

Dynojet Research ▪ 2191 Mendenhall Drive ▪ North Las Vegas, NV 89081
1-800-992-4993 ▪ www.dynojet.com ▪ www.flashyourindian.com

98200085.05

Flashing Your Vehicle

The PVCX must be locked to the vehicle ECU to function properly.
  Note: Once locked to the vehicle ECU, the PVCX will not work on another vehicle.
1. From the Main Menu, select **Flash Tune**.
2. Select the tune file and press **Enter** to view the Tune Info.
3. Press **Enter** to accept the tune and lock the PVCX to the vehicle.
  Note: Lock to Vehicle will only happen on the first flash.
4. Press **Enter** to pair and lock the PVCX to the ECU and to begin the flash. Do not turn off the key switch or disconnect the PVCX during flash.
5. 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
VMBBG0A5J0
TRASK Z-1 FULL EXHAUST
STOCK INTAKE
PRESS OK TO BEGIN ECU FLASH
```

```
POWERVISION IS UNLOCKED
LOCK TO VEHICLE?

PRESS OK TO PAIR AND LOCK
```
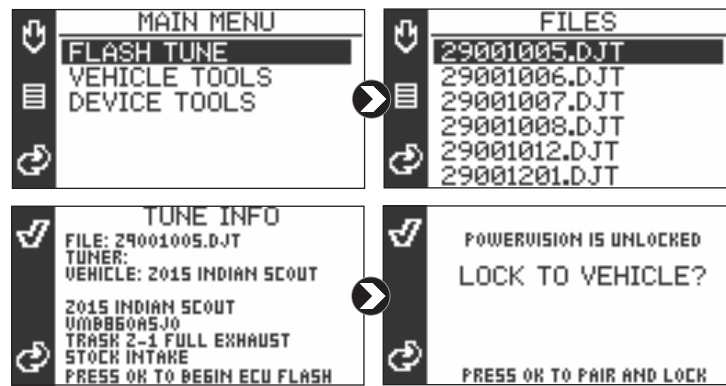
Viewing the Vehicle Info

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: 56KM5A005F101859
MODEL ID: NF5BBAZ000
ECU SN: 000350274454
TUNE CMP: VMBBG0A5J0
CKSUM CMP: 5DBA7B03

DYNOJET RESEARCH INC 2016
```

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 and create a PV_INFO.TXT file used to retrieve updated tunes or send to Tech Support.
1. Select **Device Tools**>**Device Info**>**About**.
2. Press the top button ▯ to create a text file.
3. Connect the PVCX to your computer.
   Retrieve Files: Go to www.dynojet.com/pvcxws.aspx. Upload the PV_INFO.TXT file to retrieve updated tunes for your vehicle.
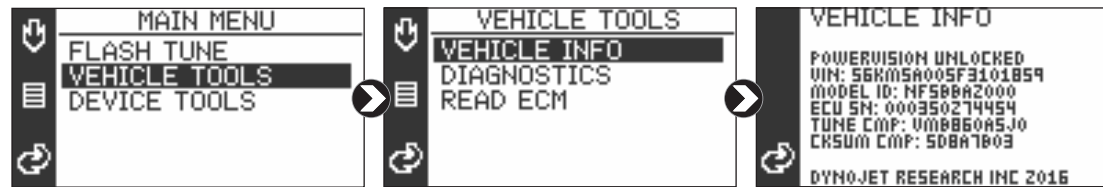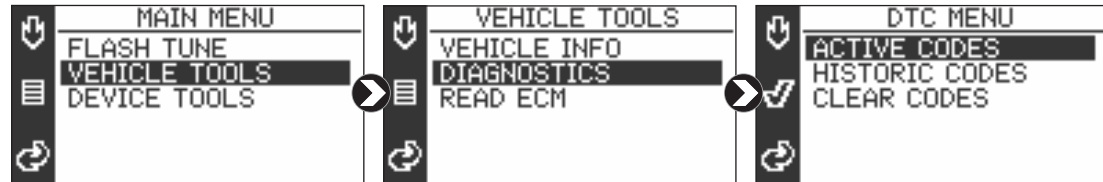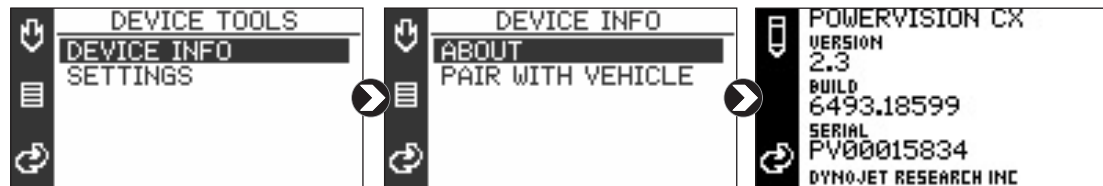   **Tech Support:** If requested by Dynojet Tech Support, email PV_INFO.TXT to PVCXtech@dynojet.com.

```
DEVICE TOOLS
DEVICE INFO
SETTINGS
```

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

```
POWERVISION CX
VERSION
2.3
BUILD
6493.18599
SERIAL
PV00015834
DYNOJET RESEARCH INC
```

Viewing Gauges and Logging Data

1. Press the bottom button to cycle through the five available gauge screens.
2. Press the middle button to begin logging data. Press the middle button again to stop logging.
3. Connect the PVCX to your computer.
4. Use the Power Core software to view log files.

```
ENGINE TEMP - F | MAP - KPA
-28           | 94.96
THROTTLE POS   | RPM
7             | 0
```

```
ENGINE TEMP - F | MAP - KPA
RECORDING
7             | 0
```

```
ENGINE TEMP - F | MAP - KPA
LOG01.CXL RECORDED
7             | 0
```