



Thank you for purchasing CANDooPro! Please read the following information before using the system for the first time. If you have any questions about the use of the system, please contact us at Sales@CANDooPro.com, or visit our Forum at <http://forums.CANDooPro.com/>.

Quick Start Guide – Polaris Snow Sled, and ATV

Hardware and Harness Guide; what's included:

The CANDooPro system setup for Polaris snowmobiles and ATV's includes the following parts:

The Vehicle Diagnostic System Box, which connects to your PC and the vehicle:



The USB Cable, which connects the Vehicle Diagnostic System Box to the PC:



Chassis power cable



4 Pin Main Diagnostic Cable (ATV, Watercraft, Snow, SxS)



8-pin Diagnostic Connector (Snow, ATV, SxS)



Getting Started- Loading Software and Starting up the Program:

First Time: (Internet Connection is REQUIRED)

- Install USB Drivers, by entering the following into your web browser

- <http://www.CANDooPro.com/candooinstall/driver/usbdriver.exe>
- Connect CANDoo Professional System to the PC with the provided USB Cable
- Install CANDoo Professional Software, by entering the following into your web browser
 - <http://www.candooopro.com/candooinstall/CanDooPro.msi>
- Start CANDoo Professional by going to start menu and launching CANDoo Professional
 - When prompted to download the new update, you must select “YES”

Each Use: (Internet Connection is Optional)

- Connect CANDoo Professional System to the PC with the provided USB Cable
- Start CANDoo Professional by going to start menu and launching CANDoo Professional
- Bottom left of the CANDoo Professional software shows the current status



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- After vehicle is connected, select Vehicle menu option and click read

Vehicle Connection:

Typical Connections: (refer to Service Manual for the model you are working on for exact details)

ATV

2004 – 2006 Sportsman 700/800

- Connect the USB cable to the PC and the CANDooPro Vehicle Diagnostic System box, and startup CANDooPro application.
- Connect the 4 Pin Main Diagnostic Cable to the CANDooPro Vehicle Diagnostic System box

- Connect to the 4 Pin connector on the vehicle, it is located a behind a rubber cap on the front of the pod below the instrument cluster.
- Ignition Key must be ON and the Run/Stop Switch must be in the Run position

2007 and later models

- Connect the USB cable to the PC and the CANDooPro Vehicle Diagnostic System box, and startup CANDooPro application.
- Connect the 8-pin Diagnostic Connector to the CANDooPro Vehicle Diagnostic System box
- Connect to the 8 Pin connector on the vehicle. On sportsman, it is located under the Access Cover inside the Front Storage Compartment, near the radiator cap, and has a cap on the plug
- Ignition Key must be ON and the Run/Stop Switch must be in the Run position

Ranger

500 EFI Ranger

- Connect the USB cable to the PC and the CANDooPro Vehicle Diagnostic System box, and startup CANDooPro application.
- Connect the 8-pin Diagnostic Connector to the CANDooPro Vehicle Diagnostic System box
- Connect to the 8 Pin connector on the vehicle. Diagnostic plug cap is secured to the frame under the hood.
- Ignition Key must be ON

2005 – 2006 700 Ranger

- Connect the USB cable to the PC and the CANDooPro Vehicle Diagnostic System box, and startup CANDooPro application.
- Connect the 4 Pin Main Diagnostic Cable to the CANDooPro Vehicle Diagnostic System box
- Connect to the 4 Pin connector on the vehicle. This connector is located behind a rubber cap in the panel under the driver's seat location.
- Ignition Key must be ON

2007 and newer 700/800 Ranger

- Connect the USB cable to the PC and the CANDooPro Vehicle Diagnostic System box, and startup CANDooPro application.
- Connect the 8-pin Diagnostic Connector to the CANDooPro Vehicle Diagnostic System box
- Connect to the 8 Pin connector on the vehicle. Diagnostic plug cap is secured to the frame under the hood.
- Ignition Key must be ON

All RZR models

- Connect the USB cable to the PC and the CANDooPro Vehicle Diagnostic System box, and startup CANDooPro application.
- Connect the 8-pin Diagnostic Connector to the CANDooPro Vehicle Diagnostic System box

- Connect to the 8 Pin connector on the vehicle. Diagnostic plug is under the dash.
- Ignition Key must be ON

Snow Sleds

Frontier 2002 and 2003

- Connect the USB cable to the PC and the CANDooPro Vehicle Diagnostic System box, and startup CANDooPro application.
- Connect the 4 Pin Main Diagnostic Cable to the CANDooPro Vehicle Diagnostic System box
- Connect to the 4 Pin Main Diagnostic Cable. Diagnostic plug is near the engine controller in front of the battery
- To keep the vehicle powered up you must install a fuse in the ACS Bypass to keep the ECU powered up. The 2002 model has an empty fuse holder is located under the throttle body. The 2003 empty fuse holder is behind the airbox. Fuse is not needed if the engine is running.

Frontier FS/FST

IMPORTANT NOTE!!!

The FS/FST Snowmobiles is equipped with a Battery Protection System that prevents the battery from being drained if the key is left on.

The Engine Controller will shut down power to many of the vehicle systems after a short period of time if the engine is not running. Stuff will not function properly, and many of the test will fail

To enable communications with the vehicle:

- 1) Connect the Diagnostic Interface Cable as instructed below.**
- 2) Put the Run/Stop Switch in the Stop Position (this will increase the amount of time the engine control systems stay powered-up).**
- 3) Turn the key to the "Start" position (the starter will not engage) and then release it to establish communications with the Digital Wrench.**

If the system shutdown occurs and some data items no longer update, turn the key to the start position and release it again to re-power the system.

Diagnostics can also be performed with the engine running. In this case, there is no time-out. Diagnostic Data will always be live and Trouble Codes will set if a fault condition is present.

- Connect the USB cable to the PC and the CANDooPro Vehicle Diagnostic System box, and startup CANDooPro application.

- Connect the 4 Pin Main Diagnostic Cable to the CANDooPro Vehicle Diagnostic System box
- Connect to the 4 Pin Main Diagnostic Cable. Diagnostic plug is near the Steering Shaft and Coolant Filler Cap.
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Frontier 2005 and 2006 Fusion/RMK CFI

- Connect the USB cable to the PC and the CANDooPro Vehicle Diagnostic System box, and startup CANDooPro application.
- Remove the Handlebar Cover and Connect the 4-pin diagnostic cable
- Connect the Chassis power cable connected to a battery to power up the ECU. Refer to the service manual for the vehicle for instructions...

Frontier 2007 and Newer IQ/RMK CFI

- Connect the USB cable to the PC and the CANDooPro Vehicle Diagnostic System box, and startup CANDooPro application.
- Diagnostic Connector is located under the hood near the left strut tower, Connect the 8-pin diagnostic cable
- Connect the Chassis power cable connected to a battery to power up the ECU. Refer to the service manual for the vehicle for instructions...

All newer models

- Connect the USB cable to the PC and the CANDooPro Vehicle Diagnostic System box, and startup CANDooPro application.
- Connect the 8-pin diagnostic cable
- Most need Chassis power cable connected to a battery to power up the ECU. Refer to the service manual for the vehicle for instructions...

Faq's:

- CANDoo Professional checks for updates on startup, if there is an active internet connection.
- If you are using wireless and get out of range, it can cause CANDoo Professional to freeze up while trying to connect to the website on startup. We suggest disabling the wireless on your laptop if you are moving out of wireless range.
- Make sure you have a fully charged battery, failure to do so can cause data corruption!