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SLP ECU Reflash Tool #70-802 for Arctic Cat

The reflash tool is designed to connect to the Cat Comm Port on the Arctic Cat to communicate with the ECU. It will connect to the internet by using a wireless connection. It will automatically connect to the SLP tuning cloud to download the software you need. The tool is provided with one unlock code for one ECU. Additional unlock codes can be purchased from SLP for additional sleds. The tool can also apply any possible future updates as well.

Remove the right side panel.

Connect the reflash tool to the Cat Comm Port found just above the foot well, by the oil bottle, see Illustration #1.

Connect the tool power wires to a 12 volt battery that has at least 12.3 volts of charge. Connect the **RED alligator clip to positive** and **BLACK alligator clip to negative**. The tool will power up to the menu page.

Connect to your wireless internet connection. Click on the WiFi icon  at the bottom of the Main Menu. Click “connect” button. Select the connection you want and input password if needed. Wait for the icon at top right of the screen to turn green, indicating the device is connected.

Click on “download” button, then select “Arctic Cat Snow”. The next screen will show available unlock code to use, select “use license”.

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Next will be a menu screen and select “ACSTAGE3”. It will go through the flashing process with a progress bar, “Downloading”. Once completed click the “x” to close window.

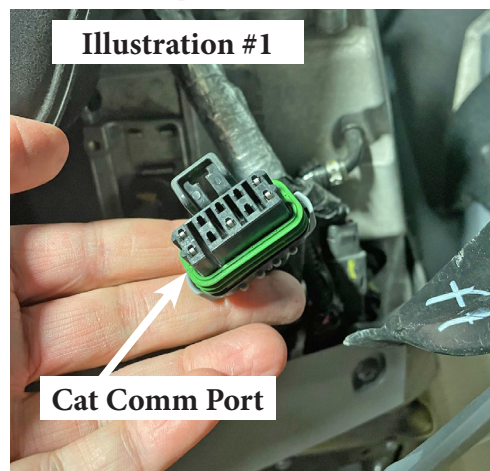
The ECU reflash is now complete.

CAUTION!

Make sure polarity connection is proper before attaching device. Battery must be under its own power with no charger or battery tender connected. Failure to follow these instructions will damage device.

IMPORTANT:

If you are having issues getting the device to reflash the ECU, the most common issue is poor internet connection. If the connection icon is **YELLOW**, no wireless service is available. The connection icon will be **BLACK** when the device is connected to a wireless network but the device does not have a connection to the internet to access files (poor internet connection). If you get this icon move the device closer to your router or use a mobile device as a hotspot to improve connection. A **GREEN** icon will indicate the wireless connection is good and device is ready.



Data Logging Capability:

The SLP Flash Tun'R can data log stock inputs available to the ECU for troubleshooting purposes. To data log, plug the Flash Tun'R into the Cat Comm Port and plug the Flash Tun'R side of the power cable into the stock power port, located in the wiring harness next to the Cat Comm Port in the sled, see illustration 2. **WARNING: Do Not plug the wiring harness with alligator clips into the stock power port on the sled as catastrophic ECU failure will occur.**

IMPORTANT: Flash Tun'R is not waterproof it must be put in a weatherproof bag when data logging.

Start the vehicle and select the “monitor” function on the main menu screen of the device. Next select the vehicle type (Arctic Cat Snow) and then select the “start” button to begin recording your data log. When you are finished select “stop”.

Do not record long irrelevant sessions or many sessions. Isolating the situation with just 2 or 3 passes is usually sufficient and too many files make sifting through and finding relevant data extremely time consuming.

You will now need to transfer the captured information from the device. For this step you will need a WiFi capable PC and the device.

Power the device up using a 12 volt battery or with the device plugged into the vehicle and vehicle running. From the Main Menu screen, go to the WiFi menu and forget WiFi if you are at a place where the device would auto connect to WiFi.

Next, go back to the Main Menu screen on the device and select the “monitor” function. Select the vehicle type (Arctic Cat Snow). Once in this menu, you will have an option to “upload” data log. Select that, and if you aren't connected to WiFi, it will show a screen giving a server IP address (such as 192.168.4.1).

Once in this screen you should now be able to look on the PC for the WiFi to connect to. It will be called ESP32-Access-Point and the password is 123456789. Connect to this access point. Once the computer is connected, open google chrome or another web browser and enter the server IP address (such as 192.168.4.1) in the web address field. This will take you to a web page and lay out the logs on the device as buttons. Press the button for the log you want to review and it will download directly to the computer. If you want to keep the logs you must save them to your computer. Once downloaded to the computer they will automatically be deleted from the device.

Once you have the data log file downloaded on the computer, you will need to decide how you want to view the information. You can use excel, but it may be hard to know exactly what you're looking at with just the raw data. The program that we use is called Megalog viewer HD. Unfortunately, the software is not free, but it does make managing and understanding the data much more intuitive.