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|--------------------------|-----------------------------------|-----------------------|-------------|
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| <b>Major System:</b>     | SOFTWARE                          | <b>Created:</b>       | 7/11/2023   |
| <b>Current Language:</b> | English                           | <b>Last Modified:</b> | 7/12/2023   |
| <b>Other Languages:</b>  | NONE                              | <b>Author:</b>        | Eric George |
| <b>Viewed:</b>           | 67                                |                       |             |

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Coding Information

|                      |                               |  |                             |                  |                             |                         |                             |
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**Title: SDS EV Signal Monitor CAN Logging Session Instructions**

**Applies To: SDS eMV EV CE Bus**

## CHANGE LOG

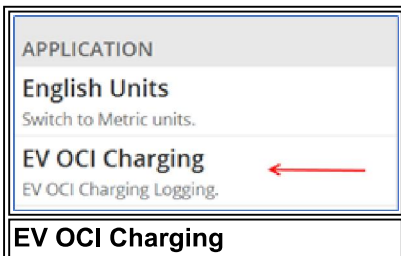
Please refer to the change log text box below for recent changes to this article:

09/23/2015 - Initial Article Release

## DESCRIPTION

The SDS EV Signal Monitor session will record and upload to the cloud a ZIP file that contains a CAN Log of all signals. A link to this ZIP file can be included in a case file for further analysis by Technical Service. The CAN log cannot be analyzed or played back in SDS.

This session should be used when a CAN Log (trace) has been requested by Tech Service. It is important the condition or fault can be recreated while recording the CAN log. Start the recording before the condition or fault. Allow at least 2 minutes of recording time before and after the condition or fault. For EV Charging issues please use the EV OCI Charging session to capture a CAN log while starting an EV charging session.

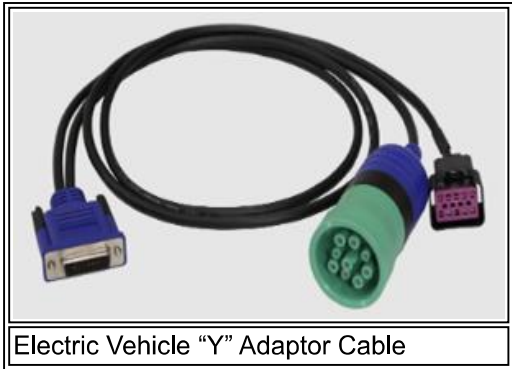


## SPECIAL TOOLS / SOFTWARE

| Tool Description                   | Tool Number | Comments             |
|------------------------------------|-------------|----------------------|
| Service Diagnostic Solutions (SDS) |             | Release 1.10.17.2023 |

|                                    |           |  |
|------------------------------------|-----------|--|
| Electric Vehicle "Y" Adaptor Cable | 08-801-01 |  |
| Nexiq USB 2 or Nexiq USB 3         |           |  |

Electric Vehicle "Y" Adaptor Cable 08-801-01 must be used when diagnosing and recording signals with SDS. The EV Y adapter cable can only be used with the NEXIQ USB2 or NEXIQ USB3 adapter.



[Tools Resource Center](#)

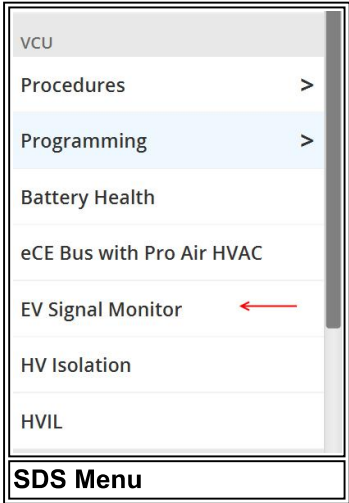
## **SESSION INSTRUCTIONS**

### **Connection:**

1. Connect a Nexiq USB 2 or Nexiq USB 3 to the Electric Vehicle "Y" Adaptor Cable 08-801-01 and to the EZ-Tech ( Laptop) USB port
2. Connect the Electric Vehicle "Y" Adaptor Cable 9 Pin connection to EV vehicle 9 pin DLC connector.
3. Connect the Electric Vehicle "Y" Adaptor Cable 10 Pin connection to the EV 10 pin connector.

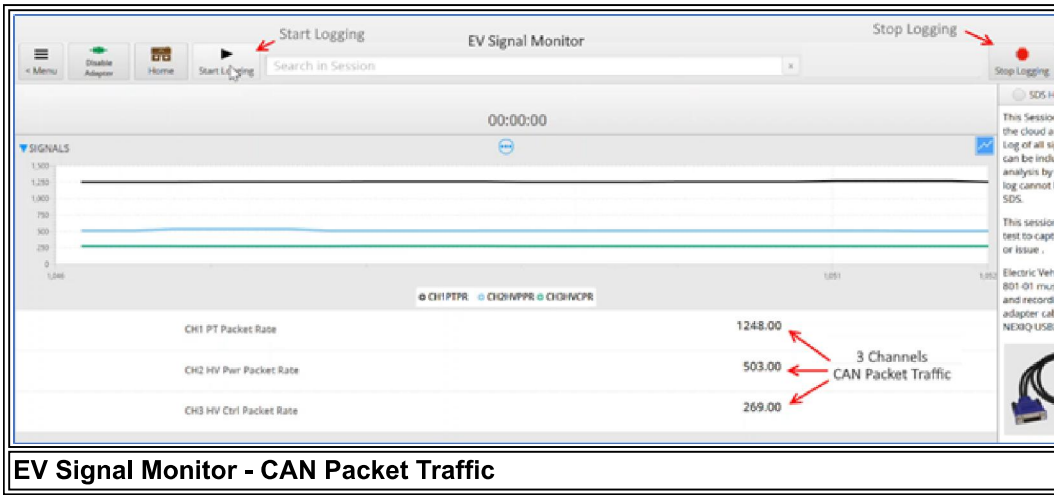
### **Session Menu:**

1. Menu > VCU > EV Signal Monitor



### **Recording CAN Log (Trace):**

1. Igniton key on .
2. Verify all three CAN busses are showing CAN packet traffic. Packet rate of zero (0) indicates a CAN bus is not communicating.



2. If a CAN channel is not communicating, disconnect and reconnect NEXIQ Cable and/or EV "Y" adaptor cable. Check all connections.

#### EV CAN Channels:

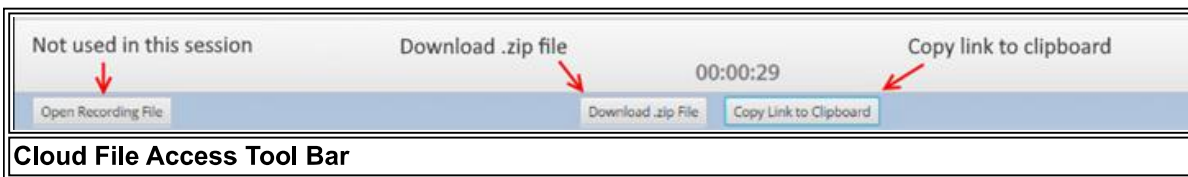
- o Channel 1 Powertrain (PT) CAN – 9 Pin
- o Channel 2 High Voltage Power (HV\_Pwr) 10 Pin
- o Channel 3 High Voltage Control (HV\_Ctrl) 10 Pin

3. Click the **Start Logging** button to start the recording.
4. Click **Stop Logging** button to stop the recording.
5. Confirm - **Stop recording** on the pop-up window.

#### Accessing Recorded Files:

All recorded CAN logs are now automatically uploaded to the Navistar cloud storage. To access or download these files from the Navistar cloud, follow these instructions:

1. Click on the **Download .zip File** button to download the file to your PC. This download will use your default browser to download the file to the browser default download folder. The downloaded file can be attached to a case file or email (dependent on the file size).
2. Click on the **Copy Link to Clipboard** to copy a link to the file on the cloud. This link can then be pasted in a case file or email. Technical Service can access this file on the cloud using the provided link.



## OTHER RESOURCES

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