

Traffic Studio Log Tool

Manual

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1. Initial Setup of the PC

To run the application Windows 7 or newer is required, with .Net 4.5.2 installed.

The PC is connected to the AIC through a TCP/IP connection over Ethernet. For this to work, the PC must be setup so that it can communicate with the AIC. The AIC has a static IP of 192.168.3.30, as such the PC needs to have an IP address on the same network. Any IP address can be used, e.g. 192.168.3.1.

This is setup in the IP sections in Windows.

For Windows 7 and upward versions, go to the **Network and Sharing Center** which can be found via the **Control Panel**, or by using the Windows search function.

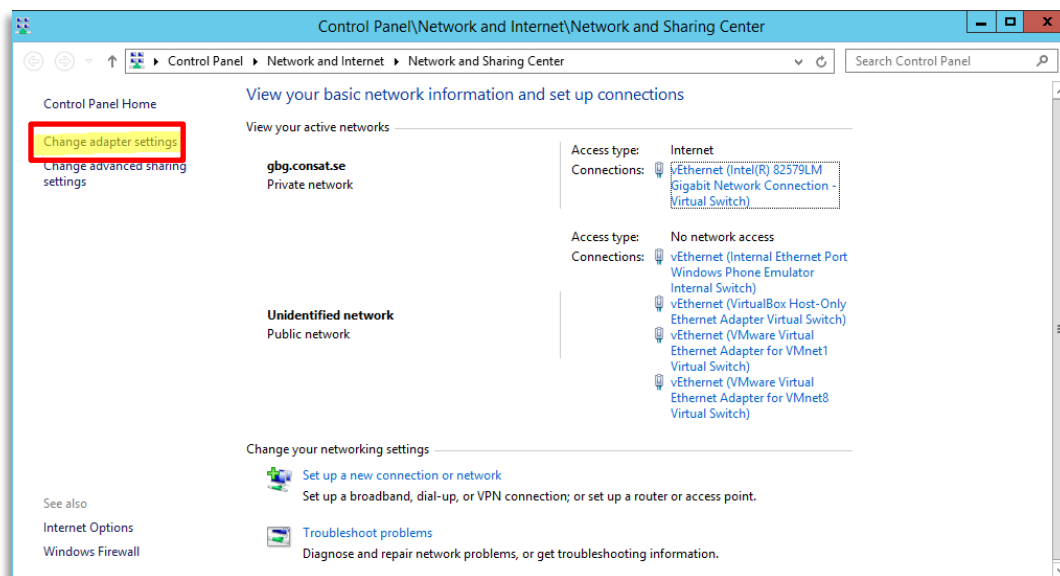


Figure 1: Go to “Network and Sharing Center” from the Control Panel, then select Change adapter settings.

Select the option **Change adapter settings** on the left side, then **right-click** the network adapter for the Ethernet connection which is used to connect to the AIC.

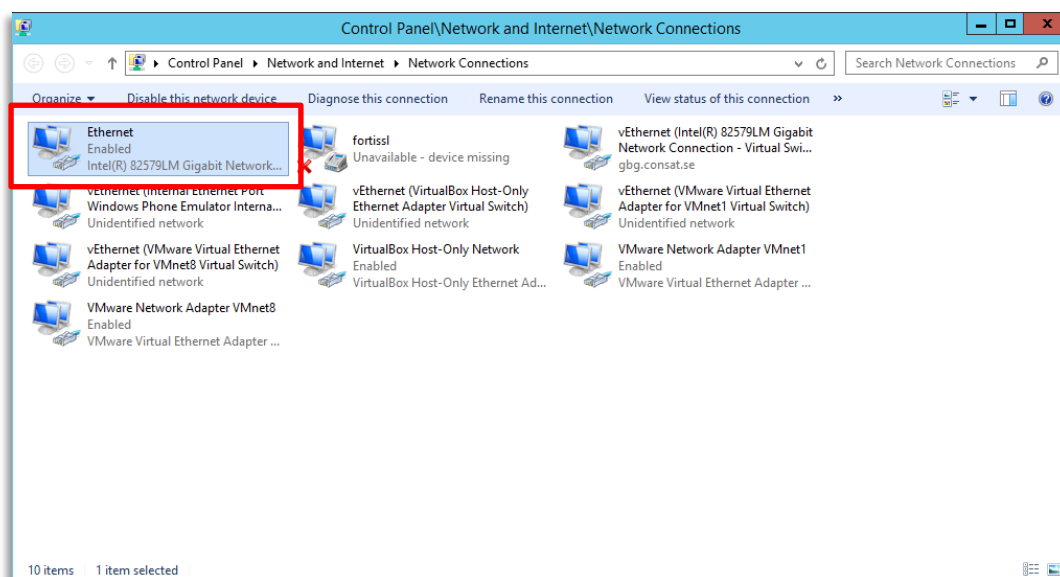


Figure 2: Right-click on the correct Ethernet connection's network adapter

Select **Internet Protocol Version 4 (TCP/IPv4)** then click on **Properties**.

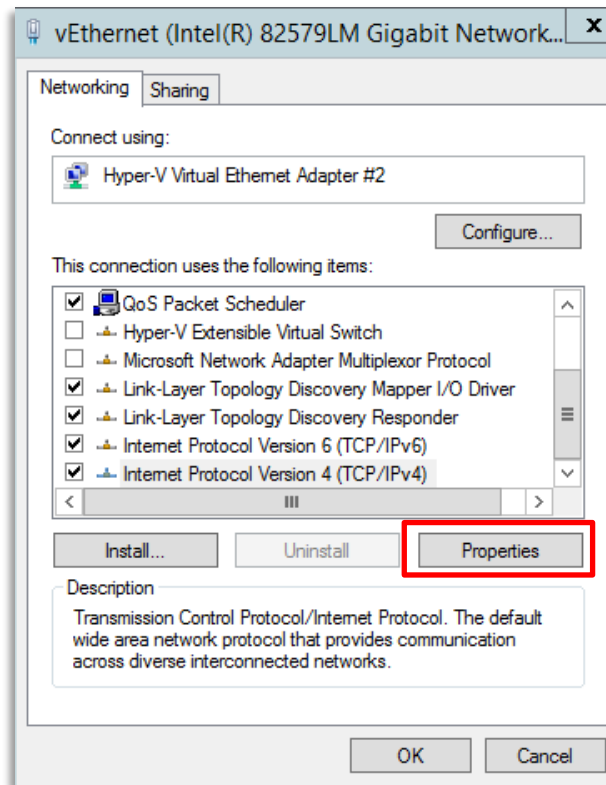


Figure 3: Select Properties for Internet Protocol Version 4 (TCP/IPv4)

Select **Use the following IP Address:** and enter **192.168.3.1**.

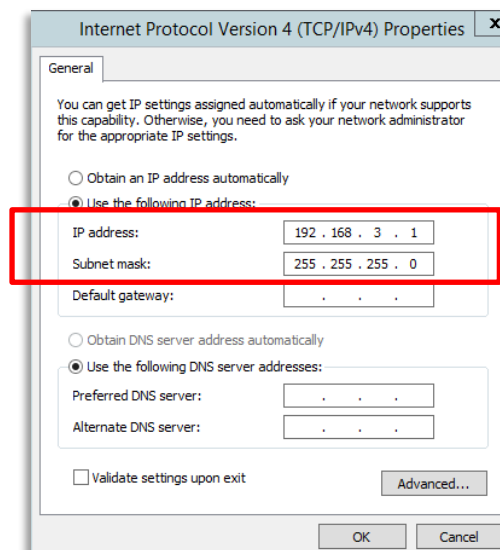


Figure 4: Enter the right IP address in the "Use the following IP address" field.

2. Installation sequence

2.1 Uninstalling previous version

Make sure that the previous version of **ITS4mobility Traffic Studio X.X.X.X** is uninstalled before installing the new version.

Go to **Program and Features**, found in the Control Panel.

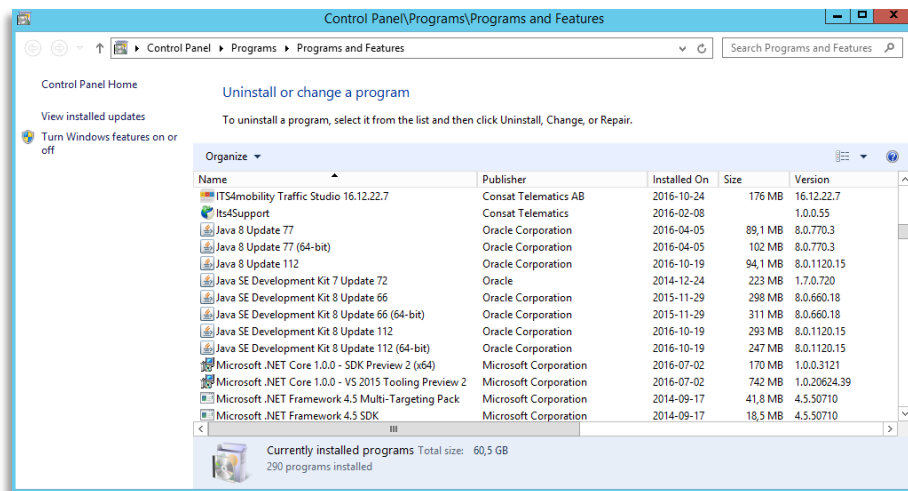


Figure 5: Go to Control Panel -> Program and Features

If you already have a previous version installed, select it in the list, right-click and select Uninstall.

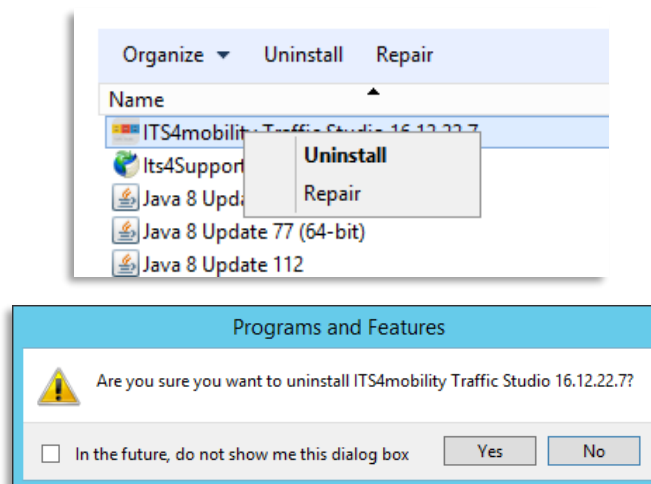


Figure 6: Uninstall any previous version of ITS4mobility Traffic Studio, if necessary

Note that it will ask for elevation, which means it requires administrator rights and confirmation to proceed with the uninstallation.

2.2 Installing

Unpack the zip file to a folder of your choice. Be sure to run the **installITS.bat** and **not** the .MSI directly, else the necessary configurations for Log Tool will not be run.

Run "installITS.bat"

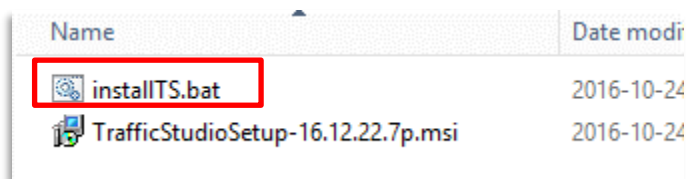
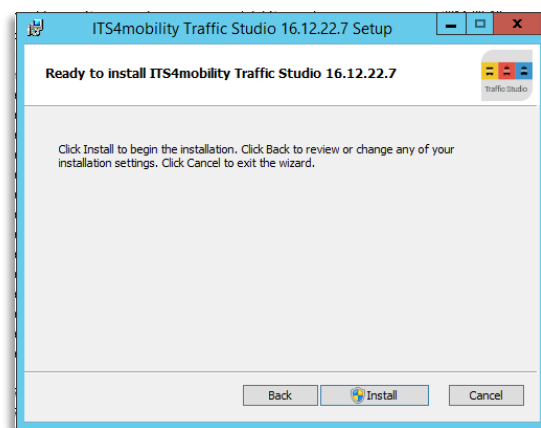
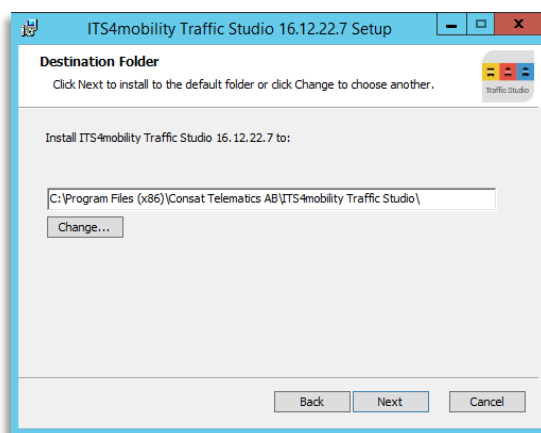
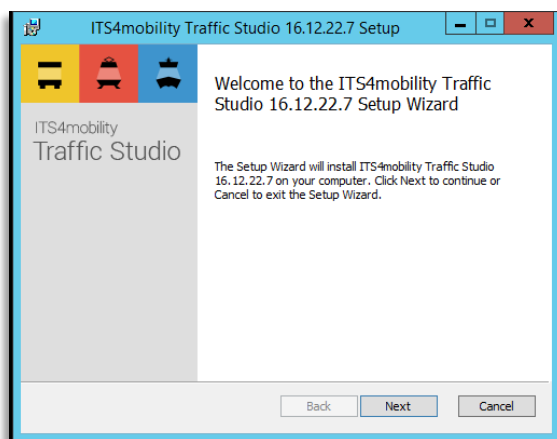


Figure 7: Run "installITS.bat" in the folder of your choice

Then go through the motions of the setup, normally just accepting the defaults



Note that it will ask for elevation, which means it requires administrator rights and confirmation to proceed with the installation.

Once installed, there will be 2 links in the start menu.

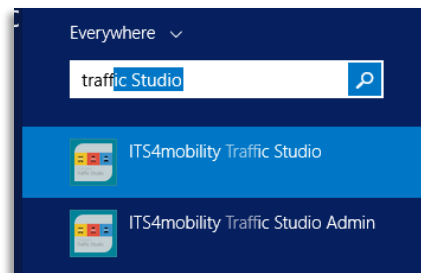


Figure 8: Both ITS4mobility Traffic Studio options. With and without admin rights

- ITS4mobility Traffic Studio
 - Auto starts the application, which is the link to use normally
- ITS4mobility Traffic Studio Admin
 - Enter the setup/configuration mode of the application. Should only be used if any settings need to be adjusted.

3. Traffic Studio – Log Tool Settings

By default, everything is setup correctly. To reach the settings, you need to start the **ITS4mobility Traffic Studio Admin** link

To revert to the application default settings use **File->Setup->Load Default Setup**

If one wants to tweak the settings for some reason, there are two important settings for the NYCT Log Tool, and both are the IP address of the AIC.

3.1 NYCT Log Tool

Go to **File → Setup → Systems** to open a new window for available systems.

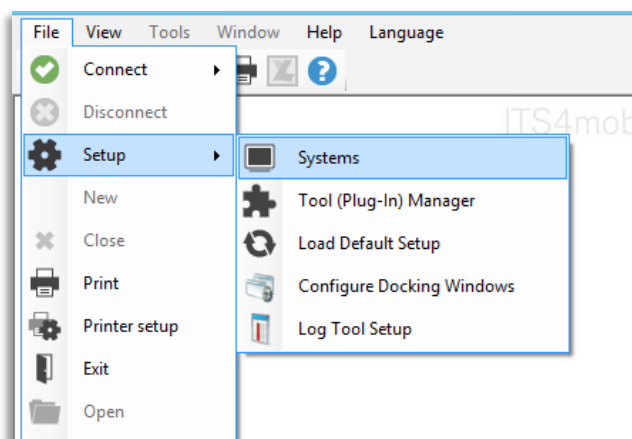


Figure 9: Setup path to Systems

Select the **NYCT Log tool** in the systems list, which will be highlighted in blue, and click on **Edit**.

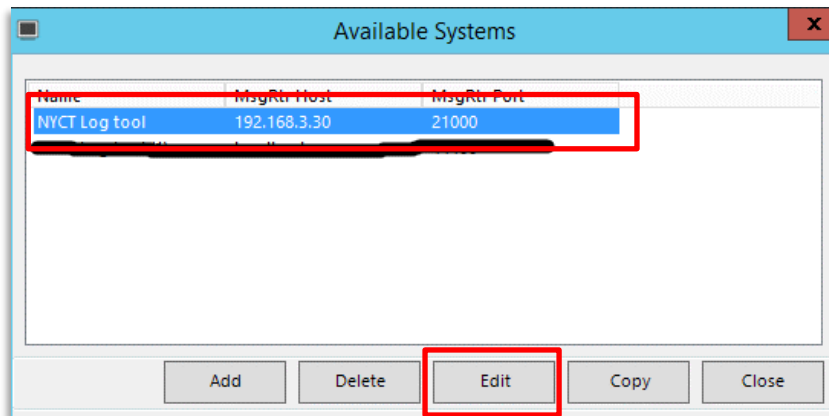


Figure 10: Systems selection. Select NYCT Log Tool and click on Edit

The **Host** should be the IP of the AIC, i.e. **192.168.3.30** by default.

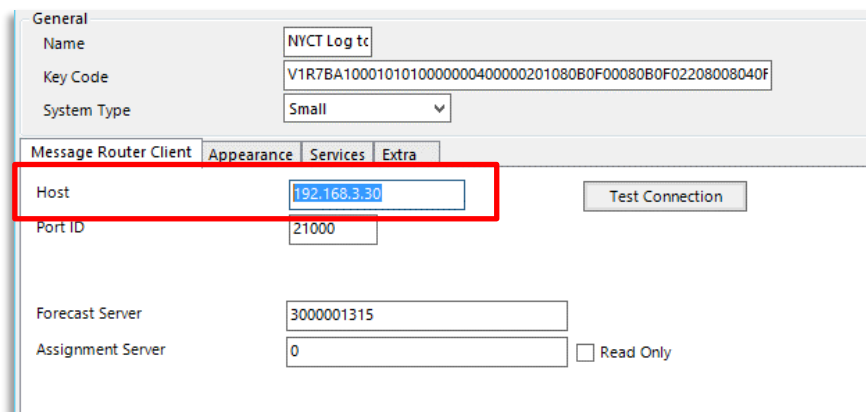


Figure 11: Message Router Client tab, with Host address

3.2 Log Tool Setup

The other setting is under **File → Setup → Log Tool Setup**.

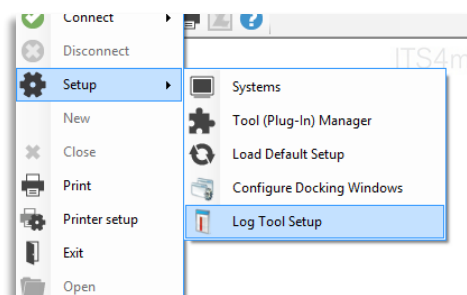


Figure 12: Setup path to Log Tool Setup

This will open a new window, where the settings for **Host** and **Port Id** should be **192.168.3.30** and **8080** by default as shown in the figure below.

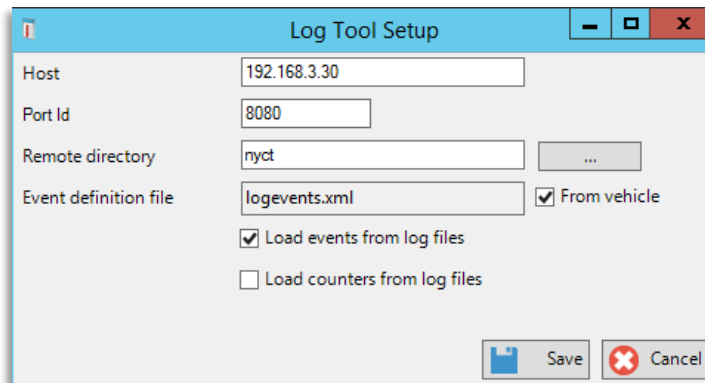


Figure 13: Log Tool Setup, values for Host and Port Id

4. Traffic Studio – Using the application

NYCT Log tool is a part of ITS4mobility Traffic Studio application. To open the Log tool window, ITS4mobility Traffic Studio must be connected to a system. Go to **File**

→ **Connect** click on the green circle  in the toolbar to connect.

When the application is started, make sure that there is a green checker  in the lower right corner. A green checker means that you have a working connection towards the AIC. A problematic connection will be identified with a red cross .

When the connection is established, the **Vehicle software version:** and **Current vehicle time:** should populate automatically.

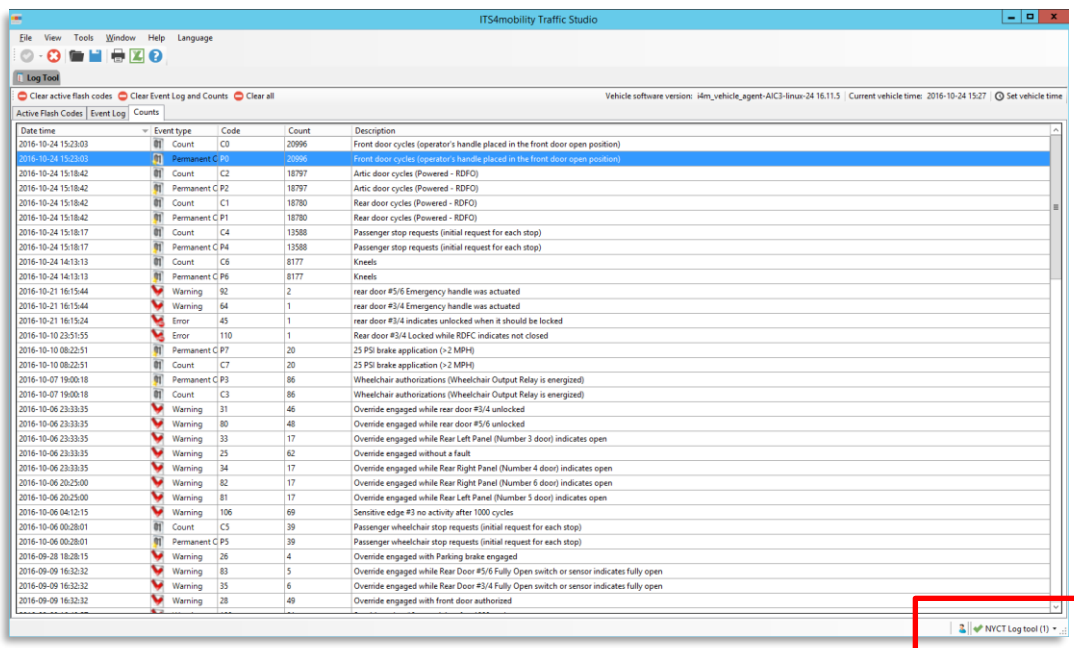


Figure 14: Populated Counts tab, with green checker

The application has 3 main areas:

- Active Flash Codes
- Event Log

- Counts

There are 4 actions which can be performed

- Clear Active Flash Codes
 - Will clear the active flash in the **Active Flash Codes** tab. However, it will only clear codes that are not currently active. If a flash code is still active, it will reappear immediately, which means the error must still be addressed.
- Clear Event Log and Counts
 - Will clear the **Event Log** and **Counts** tab. The **Event Log** will simply be cleared, while the **Counts** tab will have its non-permanent counters reset to 0.
- Clear All
 - Combines **Clear active flash codes** and **Clear event log and counts**, *as well as clearing the permanent counters*. Note that a dialogue will ask you to confirm your action.
- Set Vehicle Time
 - Will set the time of the AIC to the current time of the PC.

Every data grid (table) has sortable columns and updates in real-time as their values change. By pressing the **Excel** icon, the data grids (tables) can be exported to Excel files.

You can also go via **File → Send to Excel**.

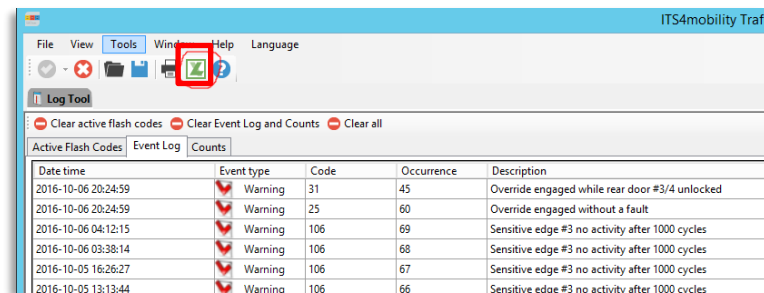


Figure 15: Event Log tab, with active Excel Export button

4.1 Active Flash Codes

This view shows all active flash code events in the system. If a flash code becomes inactive it will still be present in the Active Flash Code view until cleared with the **Clear Active Flash Code** button. Information in this view is updated in real-time.

It is possible to sort all displayed data by clicking on any column's title bar (**Event type**, **Code** or **Description**).

4.2 Event Log

This view presents a historical timeline of all error and warning codes. Depending on the number of events, the history can be anything from a few days to a couple of months. The information in this view is also updated in real-time.

Date time	Event type	Code	Occurrence	Description
2016-10-05 11:08:51	Warning	106	62	Sensitive edge #3 no activity after 1000 cycles
2016-10-05 10:20:49	Warning	106	61	Sensitive edge #3 no activity after 1000 cycles
2016-10-05 09:08:11	Warning	106	60	Sensitive edge #3 no activity after 1000 cycles
2016-10-05 07:14:44	Warning	106	59	Sensitive edge #3 no activity after 1000 cycles
2016-10-05 07:03:32	Warning	106	58	Sensitive edge #3 no activity after 1000 cycles
1970-01-01 01:00:00	Error	245	5	ECU not responding at address 45
1970-01-01 01:00:00	Error	244	1	ECU not responding at address 44
1970-01-01 01:00:00	Error	243	4	ECU not responding at address 43
1970-01-01 01:00:00	Error	241	1	ECU not responding at address 41
2016-09-08 16:48:57	Warning	109	91	Sensitive edge #6 no activity after 1000 cycles
2016-10-10 23:51:55	Error	110	1	Rear door #3/4 Locked while RDFO indicates not closed
2016-10-11 15:09:12	Warning	106	70	Sensitive edge #3 no activity after 1000 cycles
2016-10-21 16:15:24	Warning	92	2	rear door #5/6 Emergency handle was actuated
2016-10-21 16:15:24	Warning	64	1	rear door #3/4 Emergency handle was actuated
1970-01-01 01:00:00	Warning	89	1	Power Loss 5 occurred (VBEA)
1970-01-01 01:00:00	Warning	86	1	rear door #5/6 indicates unlocked when it should be locked
2016-10-21 16:15:24	Error	45	1	rear door #3/4 indicates unlocked when it should be locked
1970-01-01 01:00:00	Error	39	1	IV pressure indicates low when it should be high while high pressure detected in Main Air Tank
1970-01-01 01:00:00	Error	38	1	Door Master Switch has been turned off
1970-01-01 01:00:00	Warning	36	1	Override engaged while bus is kneeling
2016-09-09 16:32:32	Warning	83	5	Override engaged while Rear Door #5/6 Fully Open switch or sensor indicates fully open
2016-09-09 16:32:32	Warning	35	6	Override engaged while Rear Door #3/4 Fully Open switch or sensor indicates fully open
2016-10-06 20:24:59	Warning	82	17	Override engaged while Rear Right Panel (Number 6 door) indicates open
2016-10-06 20:24:59	Warning	81	17	Override engaged while Rear Left Panel (Number 5 door) indicates open
2016-10-06 23:33:35	Warning	34	17	Override engaged while Rear Right Panel (Number 4 door) indicates open
2016-10-06 23:33:35	Warning	33	17	Override engaged while Rear Left Panel (Number 3 door) indicates open
2016-10-06 23:33:35	Warning	80	48	Override engaged while rear door #5/6 unlocked
2016-10-06 23:33:35	Warning	31	46	Override engaged while rear door #3/4 unlocked
2016-09-09 16:32:32	Warning	28	49	Override engaged with front door authorized
1970-01-01 01:00:00	Warning	27	1	Override engaged with rear doors authorized
2016-09-28 18:28:15	Warning	26	4	Override engaged with Parking brake engaged
2016-10-06 23:33:35	Warning	25	62	Override engaged without a fault

Figure 16: Event Log

4.3 Counts

The Counts view presents the counters for all events in the system, including flash codes and non-flash codes events. The table shows both permanent counters, which cannot be reset without resetting the AIC software, and the usual persistent counters which are reset whenever a **Clear Counts** action is taken. Clicking on any column header (e.g. Code) will sort all displayed data by that column.

Date time	Event type	Code	Count	Description
2016-10-21 16:15:24	Error	45	1	rear door #3/4 indicates unlocked when it should be locked
2016-10-21 16:15:24	Warning	64	1	rear door #3/4 Emergency handle was actuated
2016-10-21 16:15:24	Warning	82	2	rear door #5/6 Emergency handle was actuated
2016-10-10 23:51:55	Error	110	1	Rear door #3/4 Locked while RDFO indicates not closed
2016-10-10 08:22:51	Permanent C	P7	20	25 PSI brake application (>2 MPa)
2016-10-10 08:22:51	Count	C7	20	25 PSI brake application (>2 MPa)
2016-10-07 19:00:18	Permanent C	P3	86	Wheelchair authorizations (Wheelchair Output Relay is energized)
2016-10-07 19:00:18	Count	C3	86	Wheelchair authorizations (Wheelchair Output Relay is energized)
2016-10-06 23:33:35	Warning	31	46	Override engaged while rear door #3/4 unlocked
2016-10-06 23:33:35	Warning	33	17	Override engaged while Rear Left Panel (Number 3 door) indicates open
2016-10-06 23:33:35	Warning	80	48	Override engaged while rear door #5/6 unlocked
2016-10-06 23:33:35	Warning	25	62	Override engaged without a fault
2016-10-06 23:33:35	Warning	34	17	Override engaged while Rear Right Panel (Number 4 door) indicates open
2016-10-06 20:24:59	Warning	82	17	Override engaged while Rear Right Panel (Number 6 door) indicates open
2016-10-06 20:24:59	Warning	81	17	Override engaged while Rear Left Panel (Number 5 door) indicates open
2016-10-06 00:28:01	Count	C3	39	Passenger wheelchair stop requests (initial request for each stop)
2016-10-06 00:28:01	Permanent C	P5	39	Passenger wheelchair stop requests (initial request for each stop)
2016-10-05 17:52:41	Permanent C	P0	19470	Front door cycles (operator's handle placed in the front door open position)
2016-10-05 17:52:41	Count	C0	19470	Front door cycles (operator's handle placed in the front door open position)
2016-10-05 16:26:27	Warning	106	67	Sensitive edge #3 no activity after 1000 cycles
2016-10-05 15:57:08	Permanent C	P2	17411	Artic door cycles (Powered - RDFO)
2016-10-05 15:57:08	Count	C2	17411	Artic door cycles (Powered - RDFO)
2016-10-05 15:57:08	Count	C1	17391	Rear door cycles (Powered - RDFO)
2016-10-05 15:57:08	Permanent C	P1	17391	Rear door cycles (Powered - RDFO)
2016-10-05 15:53:30	Count	C4	12592	Passenger stop requests (initial request for each stop)
2016-10-05 15:53:30	Permanent C	P4	12592	Passenger stop requests (initial request for each stop)
2016-10-05 15:46:00	Permanent C	P6	7606	Kneels
2016-10-05 15:46:00	Count	C6	7606	Kneels
2016-09-28 18:28:15	Warning	26	4	Override engaged with Parking brake engaged
2016-09-09 16:32:32	Warning	35	6	Override engaged while Rear Door #3/4 Fully Open switch or sensor indicates fully open
2016-09-09 16:32:32	Warning	83	5	Override engaged while Rear Door #5/6 Fully Open switch or sensor indicates fully open
2016-09-09 16:32:32	Warning	28	49	Override engaged with front door authorized

Figure 17: Counts

4.4 Save log to file

To save data click on  in the toolbar. *Save log to file* window is opened, see 0. Enter a file name and click on *Save*. This will save all data from *Active flash codes*, *Event Log* and *Counts*. It is possible to save data from different vehicles in the same application (same PC).

Three files will be saved, a DAT file, containing data from tab *Counts*, a LOG file with the same directory with the same name, containing data from tab *Event Log* (The DAT file will automatically retrieve information from the LOG file to populate the event log when loading the file.), and a LOG2 file containing data from tab *Active flash codes*.

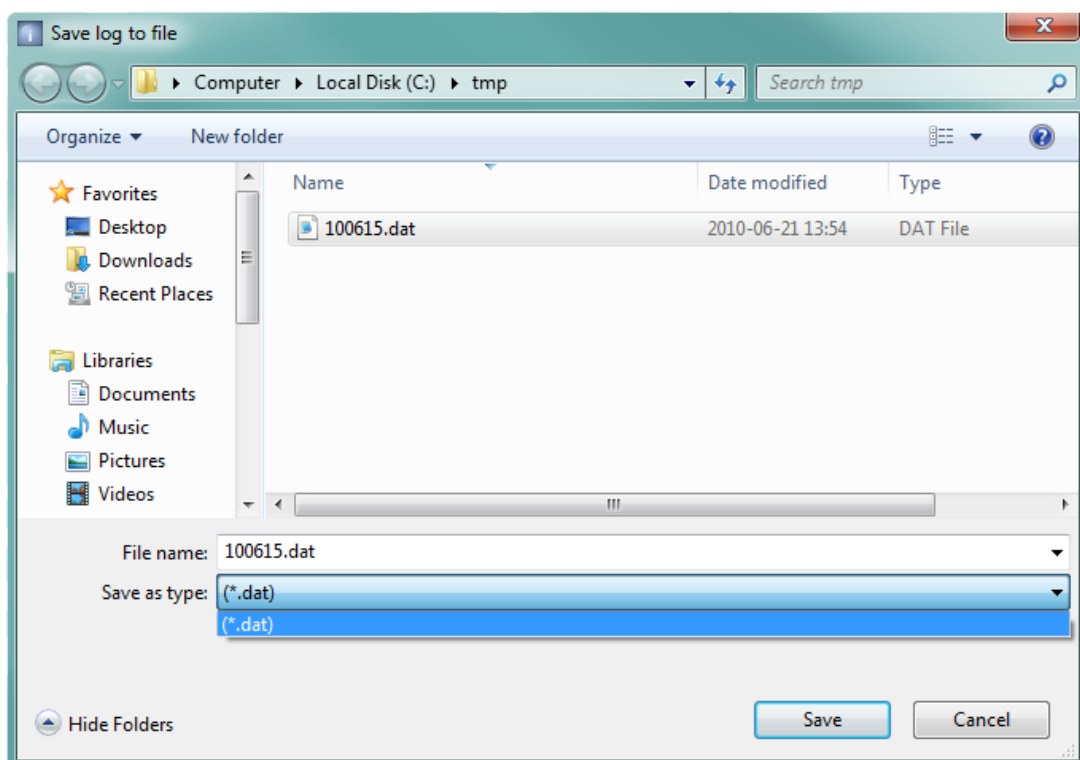


Figure 18: Save log to file window.

4.5 Load log data from file

To load data click on  in the toolbar. *Load log data from file* window is opened, see 0. Select a file and click on *Open*. The previously saved log file is opened and shows information about the counters, events and active flash codes for the specific vehicle even if the PC is not connected to an AIC.

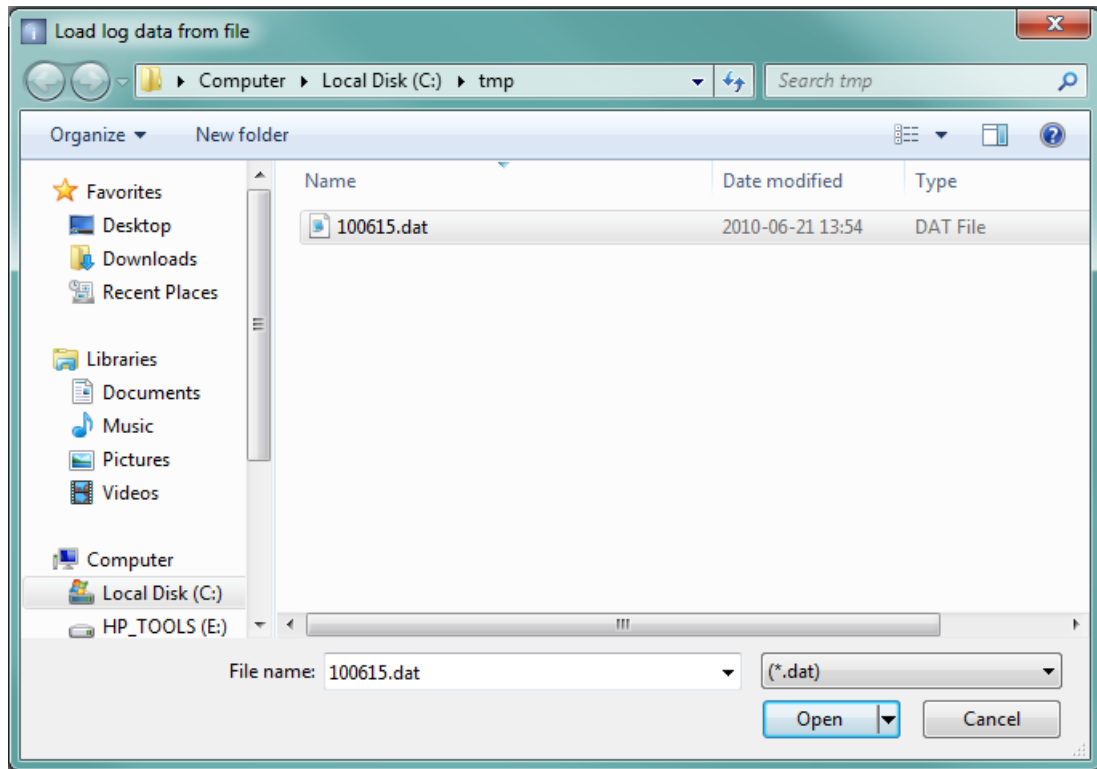


Figure 199: Load log data from file window.

5. Appendix 1

5.1 Signal and Counter mapping configuration

The counter and flash codes are mapped according to the XML table below. This maps the signal on the CAN bus to a display name.

```
<?xml version="1.0" encoding="utf-8"?>
<ArrayOfLogEvent xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <LogEvent>
    <SourceSignalName>B_FtEmrgOver</SourceSignalName>
    <CurrentEventType>WarningFlashCode</CurrentEventType>
    <EventCode>25</EventCode>
    <Description>Override engaged without a fault</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
  </LogEvent>
  <LogEvent>
    <SourceSignalName>B_FtEmrgOverPark</SourceSignalName>
    <CurrentEventType>WarningFlashCode</CurrentEventType>
    <EventCode>26</EventCode>
    <Description>Override engaged with Parking brake engaged</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
  </LogEvent>
</ArrayOfLogEvent>
```

```
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtRrDrEmrgAuth</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>27</EventCode>
  <Description>Override engaged with rear doors authorized</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtFrDrEmrgAuth</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>28</EventCode>
  <Description>Override engaged with front door authorized</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEmrgOver2Mph</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>29</EventCode>
  <Description>Override engaged while bus is moving > 2 mph</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtRrDrEmrgUnlk</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>31</EventCode>
  <Description>Override engaged while rear door #3/4 unlocked</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtArtDrEmrgUlk</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>80</EventCode>
  <Description>Override engaged while rear door #5/6 unlocked</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtRrDrEmrgLP</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>33</EventCode>
  <Description>Override engaged while Rear Left Panel (Number 3 door) indicates
open</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtRrDrEmrgRP</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>34</EventCode>
  <Description>Override engaged while Rear Right Panel (Number 4 door) indicates
open</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
```

```

    <Value>-1</Value>
  </LogEvent>
  <LogEvent>
    <SourceSignalName>B_FtArtDrEmrgLP</SourceSignalName>
    <CurrentEventType>WarningFlashCode</CurrentEventType>
    <EventCode>81</EventCode>
    <Description>Override engaged while Rear Left Panel (Number 5 door) indicates
open</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
  </LogEvent>
  <LogEvent>
    <SourceSignalName>D_FrtDrOpenSig</SourceSignalName>
    <CurrentEventType>ResettableCounter</CurrentEventType>
    <EventCode>C0</EventCode>
    <Description>Front door cycles (operator's handle placed in the front door open
position)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
  </LogEvent>
  <LogEvent>
    <SourceSignalName>D_RrDrOpenSig</SourceSignalName>
    <CurrentEventType>ResettableCounter</CurrentEventType>
    <EventCode>C1</EventCode>
    <Description>Rear door cycles (Powered - RDFO)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
  </LogEvent>
  <LogEvent>
    <SourceSignalName>D_ArticDrOpenSig</SourceSignalName>
    <CurrentEventType>ResettableCounter</CurrentEventType>
    <EventCode>C2</EventCode>
    <Description>Artic door cycles (Powered - RDFO)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
  </LogEvent>
  <LogEvent>
    <SourceSignalName>D_WhChCycCnt</SourceSignalName>
    <CurrentEventType>ResettableCounter</CurrentEventType>
    <EventCode>C3</EventCode>
    <Description>Wheelchair authorizations (Wheelchair Output Relay is
energized)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
  </LogEvent>
  <LogEvent>
    <SourceSignalName>D_StopReq</SourceSignalName>
    <CurrentEventType>ResettableCounter</CurrentEventType>
    <EventCode>C4</EventCode>
    <Description>Passenger stop requests (initial request for each stop)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
  </LogEvent>
  <LogEvent>
    <SourceSignalName>D_WhChStopReq</SourceSignalName>
    <CurrentEventType>ResettableCounter</CurrentEventType>
    <EventCode>C5</EventCode>

```

```

    <Description>Passenger wheelchair stop requests (initial request for each
stop)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>D_KneeCycCnt</SourceSignalName>
    <CurrentEventType>ResettableCounter</CurrentEventType>
    <EventCode>C6</EventCode>
    <Description>Kneels</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>D_EmgBrkHiSpCnt</SourceSignalName>
    <CurrentEventType>ResettableCounter</CurrentEventType>
    <EventCode>C7</EventCode>
    <Description>25 PSI brake application (&gt;2 MPH)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>D_FrtDrOpenSig</SourceSignalName>
    <CurrentEventType>PermanentCounter</CurrentEventType>
    <EventCode>P0</EventCode>
    <Description>Front door cycles (operator's handle placed in the front door open
position)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>D_RrDrOpenSig</SourceSignalName>
    <CurrentEventType>PermanentCounter</CurrentEventType>
    <EventCode>P1</EventCode>
    <Description>Rear door cycles (Powered - RDFS)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>D_ArticDrOpenSig</SourceSignalName>
    <CurrentEventType>PermanentCounter</CurrentEventType>
    <EventCode>P2</EventCode>
    <Description>Artic door cycles (Powered - RDFS)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>D_WhChCycCnt</SourceSignalName>
    <CurrentEventType>PermanentCounter</CurrentEventType>
    <EventCode>P3</EventCode>
    <Description>Wheelchair authorizations (Wheelchair Output Relay is
energized)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>D_StopReq</SourceSignalName>

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    <CurrentEventType>PermanentCounter</CurrentEventType>
    <EventCode>P4</EventCode>
    <Description>Passenger stop requests (initial request for each stop)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>D_WhChStopReq</SourceSignalName>
    <CurrentEventType>PermanentCounter</CurrentEventType>
    <EventCode>P5</EventCode>
    <Description>Passenger wheelchair stop requests (initial request for each
stop)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>D_KneeCycCnt</SourceSignalName>
    <CurrentEventType>PermanentCounter</CurrentEventType>
    <EventCode>P6</EventCode>
    <Description>Kneels</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>D_EmgBrkHiSpCnt</SourceSignalName>
    <CurrentEventType>PermanentCounter</CurrentEventType>
    <EventCode>P7</EventCode>
    <Description>25 PSI brake application (>2 MPH)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>B_FtArtDEmrgrRP</SourceSignalName>
    <CurrentEventType>WarningFlashCode</CurrentEventType>
    <EventCode>82</EventCode>
    <Description>Override engaged while Rear Right Panel (Number 6 door) indicates
open</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>B_FtRrDrEmrgFO</SourceSignalName>
    <CurrentEventType>WarningFlashCode</CurrentEventType>
    <EventCode>35</EventCode>
    <Description>Override engaged while Rear Door #3/4 Fully Open switch or sensor indicates
fully open</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>B_FtArtDrEmrgFO</SourceSignalName>
    <CurrentEventType>WarningFlashCode</CurrentEventType>
    <EventCode>83</EventCode>
    <Description>Override engaged while Rear Door #5/6 Fully Open switch or sensor indicates
fully open</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>

```

```
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEmrgKneel</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>36</EventCode>
  <Description>Override engaged while bus is kneeling</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtSwDrMsterOff</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>38</EventCode>
  <Description>Door Master Switch has been turned off</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtIVLow</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>39</EventCode>
  <Description>IV pressure indicates low when it should be high while high pressure
detected in Main Air Tank</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEIVLow</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>41</EventCode>
  <Description>EIV pressure indicates low when it should be high while high pressure is
detected in Main Air Tank</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtAIKLow</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>42</EventCode>
  <Description>Accelerator Interlock is not engaged when it should be</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtRrDrOpenPI</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>43</EventCode>
  <Description>rear door #3/4 RDFO indicates open while Rear Left Panel (Number 3 door)
indicates closed and door is unlocked</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtRrDrOpenPR</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>44</EventCode>
```

```

<Description>rear door #3/4 RDFO indicates open while Rear Right Panel (Number 4 door)
indicates closed and door is unlocked</Description>
<LastUpdate>0001-01-01T00:00:00</LastUpdate>
<Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtArtDrOpenLP</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>84</EventCode>
  <Description>rear door #5/6 RDFO indicates open while Rear Left Panel (Number 5 door)
indicates closed and door is unlocked</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtArtDrOpenRP</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>85</EventCode>
  <Description>rear door #5/6 RDFO indicates open while Rear Right Panel (Number 6 door)
indicates closed and door is unlocked</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtRrDrUnlk</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>45</EventCode>
  <Description>rear door #3/4 indicates unlocked when it should be locked</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtArtDrUnlk</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>86</EventCode>
  <Description>rear door #5/6 indicates unlocked when it should be locked</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtIntlkOv2mph</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>49</EventCode>
  <Description>Bus indicated as moving > 2 mph while interlocks are on</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtWheelNotDFO</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>51</EventCode>
  <Description>Wheel chair does not engage due to lack of door fully open within 10
seconds</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
</LogEvent>

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    <SourceSignalName>B_FtIVHighXLow</SourceSignalName>
    <CurrentEventType>ErrorFlashCode</CurrentEventType>
    <EventCode>52</EventCode>
    <Description>IV pressure indicates high when it should be low</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
  </LogEvent>
  <LogEvent>
    <SourceSignalName>B_FtEIVHighXLow</SourceSignalName>
    <CurrentEventType>ErrorFlashCode</CurrentEventType>
    <EventCode>53</EventCode>
    <Description>Emergency Interlock pressure indicates high when it should be
low</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
  </LogEvent>
  <LogEvent>
    <SourceSignalName>B_FtAIKHighXLow</SourceSignalName>
    <CurrentEventType>ErrorFlashCode</CurrentEventType>
    <EventCode>54</EventCode>
    <Description>Accelerator Interlock indicates engaged when it should not be
engaged</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
  </LogEvent>
  <LogEvent>
    <SourceSignalName>B_FtRrDrLkXUnlk</SourceSignalName>
    <CurrentEventType>ErrorFlashCode</CurrentEventType>
    <EventCode>55</EventCode>
    <Description>rear door #3/4 indicates locked when it should be unlocked</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
  </LogEvent>
  <LogEvent>
    <SourceSignalName>B_FtArtDrLkXUnlk</SourceSignalName>
    <CurrentEventType>WarningFlashCode</CurrentEventType>
    <EventCode>87</EventCode>
    <Description>rear door #5/6 indicates locked when it should be unlocked</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
  </LogEvent>
  <LogEvent>
    <SourceSignalName>B_FtIVPowerLost</SourceSignalName>
    <CurrentEventType>ErrorFlashCode</CurrentEventType>
    <EventCode>61</EventCode>
    <Description>Power Loss 1 occurred (IV)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
  </LogEvent>
  <LogEvent>
    <SourceSignalName>B_FtEIVPowerLost</SourceSignalName>
    <CurrentEventType>ErrorFlashCode</CurrentEventType>
    <EventCode>62</EventCode>
    <Description>Power Loss 2 occurred (EIV)</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
  </LogEvent>

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<LogEvent>
  <SourceSignalName>B_FtRrDrPower</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>63</EventCode>
  <Description>Power Loss 3 occurred (3/4 baseplate)</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtArtDrPower</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>88</EventCode>
  <Description>Power Loss 4 occurred (5/6 baseplate)</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtVBEAPower</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>89</EventCode>
  <Description>Power Loss 5 occurred (VBEA)</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtRrDrClassPw</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>90</EventCode>
  <Description>Power Loss 6 occurred (3/4 CLASS)</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtArtDrClassPw</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>91</EventCode>
  <Description>Power Loss 7 occurred (5/6 CLASS)</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtRrDrEmrg</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>64</EventCode>
  <Description>rear door #3/4 Emergency handle was actuated</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtArtDrEmrg</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>92</EventCode>
  <Description>rear door #5/6 Emergency handle was actuated</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
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<LogEvent>
  <SourceSignalName>B_FtRrDrOpenLk</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>66</EventCode>
  <Description>rear door #3/4 indicates fully open and locked</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtArtDrOpenLk</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>93</EventCode>
  <Description>rear door #5/6 indicates fully open and locked</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtIVLowCount3</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>70</EventCode>
  <Description>IV error count has reached three within a given Master Run
Cycle</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEIVLowCount3</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>71</EventCode>
  <Description>EIV error count has reached three within a given Master Run
Cycle</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtAIKLowCount3</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>72</EventCode>
  <Description>AIK error count has reached three within a given Master Run
Cycle</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtFrDrEmerg</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>73</EventCode>
  <Description>Front emergency handle was actuated</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtAIKMore2mph</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>75</EventCode>
  <Description>Bus moving > 2 mph while AIK is on</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>

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    <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEIVMore2mph</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>76</EventCode>
  <Description>Bus moving &gt; 2 mph while EIV is on</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtIVMore2mph</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>77</EventCode>
  <Description>Bus moving &gt; 2 mph while IV is on</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtRrDrLckUlck</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>94</EventCode>
  <Description>rear door #3/4 indicates lock and unlock at the same time</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtArtDrLckUlck</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>95</EventCode>
  <Description>rear door #5/6 indicates lock and unlock at the same time</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtRrDrOpnClos</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>96</EventCode>
  <Description>rear door #3/4 indicates fully open and fully closed at the same
time</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtArtDrOpnClos</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>97</EventCode>
  <Description>rear door #5/6 indicates fully open and fully closed at the same
time</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtRrDrCloseL</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>98</EventCode>

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    <Description>rear door #3/4 RDFC indicates closed while Rear Left Panel (Number 3 door)
indicates open</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>B_FtRrDrCloseR</SourceSignalName>
    <CurrentEventType>WarningFlashCode</CurrentEventType>
    <EventCode>99</EventCode>
    <Description>rear door #3/4 RDFC indicates closed while Rear Left Panel (Number 4 door)
indicates open</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>B_FtArtDrCloseL</SourceSignalName>
    <CurrentEventType>WarningFlashCode</CurrentEventType>
    <EventCode>100</EventCode>
    <Description>rear door #5/6 RDFC indicates close while Rear Left Panel (Number 5 door)
indicates open</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>B_FtArtDrCloseR</SourceSignalName>
    <CurrentEventType>WarningFlashCode</CurrentEventType>
    <EventCode>101</EventCode>
    <Description>rear door #5/6 RDFC indicates close while Rear Left Panel (Number 6 door)
indicates open</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>B_FtRrDrClassSt</SourceSignalName>
    <CurrentEventType>WarningFlashCode</CurrentEventType>
    <EventCode>102</EventCode>
    <Description>CLASS status light on rear door #3/4</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>B_FtArtDrClassSt</SourceSignalName>
    <CurrentEventType>WarningFlashCode</CurrentEventType>
    <EventCode>103</EventCode>
    <Description>CLASS status light on rear door #5/6</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>
    <SourceSignalName>B_FtRrDrClassSw</SourceSignalName>
    <CurrentEventType>WarningFlashCode</CurrentEventType>
    <EventCode>104</EventCode>
    <Description>CLASS power switch is OFF on rear door #3/4</Description>
    <LastUpdate>0001-01-01T00:00:00</LastUpdate>
    <Value>-1</Value>
</LogEvent>
<LogEvent>

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```
<SourceSignalName>B_FtArtDrClassSw</SourceSignalName>
<CurrentEventType>WarningFlashCode</CurrentEventType>
<EventCode>105</EventCode>
<Description>CLASS power switch is OFF on rear door #5/6</Description>
<LastUpdate>0001-01-01T00:00:00</LastUpdate>
<Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtRrDrSnsLft</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>106</EventCode>
  <Description>Sensitive edge #3 no activity after 1000 cycles</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtRrDrSnsRgt</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>107</EventCode>
  <Description>Sensitive edge #4 no activity after 1000 cycles</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtRrLckdXNotFC</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>110</EventCode>
  <Description>Rear door #3/4 Locked while RDFC indicates not closed</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtArtDrSnsLft</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>108</EventCode>
  <Description>Sensitive edge #5 no activity after 1000 cycles</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtArtDrSnsRgt</SourceSignalName>
  <CurrentEventType>WarningFlashCode</CurrentEventType>
  <EventCode>109</EventCode>
  <Description>Sensitive edge #6 no activity after 1000 cycles</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtArtLckXNotFC</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>111</EventCode>
  <Description>Rear door #5/6 Locked while RDFC indicates not closed</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
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<SourceSignalName>B_FtEcu56</SourceSignalName>
<CurrentEventType>ErrorFlashCode</CurrentEventType>
<EventCode>256</EventCode>
<Description>ECU not responding at address 56</Description>
<LastUpdate>0001-01-01T00:00:00</LastUpdate>
<Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu58</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>258</EventCode>
  <Description>ECU not responding at address 58</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu37</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>237</EventCode>
  <Description>ECU not responding at address 37</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu38</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>238</EventCode>
  <Description>ECU not responding at address 38</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu40</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>240</EventCode>
  <Description>ECU not responding at address 40</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu41</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>241</EventCode>
  <Description>ECU not responding at address 41</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu42</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>242</EventCode>
  <Description>ECU not responding at address 42</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
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<SourceSignalName>B_FtEcu43</SourceSignalName>
<CurrentEventType>ErrorFlashCode</CurrentEventType>
<EventCode>243</EventCode>
<Description>ECU not responding at address 43</Description>
<LastUpdate>0001-01-01T00:00:00</LastUpdate>
<Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu44</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>244</EventCode>
  <Description>ECU not responding at address 44</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu45</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>245</EventCode>
  <Description>ECU not responding at address 45</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu48</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>248</EventCode>
  <Description>ECU not responding at address 48</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu49</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>249</EventCode>
  <Description>ECU not responding at address 49</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu50</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>250</EventCode>
  <Description>ECU not responding at address 50</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu51</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>251</EventCode>
  <Description>ECU not responding at address 51</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
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<SourceSignalName>B_FtEcu52</SourceSignalName>
<CurrentEventType>ErrorFlashCode</CurrentEventType>
<EventCode>252</EventCode>
<Description>ECU not responding at address 52</Description>
<LastUpdate>0001-01-01T00:00:00</LastUpdate>
<Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu53</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>253</EventCode>
  <Description>ECU not responding at address 53</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu54</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>254</EventCode>
  <Description>ECU not responding at address 54</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu57</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>257</EventCode>
  <Description>ECU not responding at address 57</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu59</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>259</EventCode>
  <Description>ECU not responding at address 59</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu65</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>265</EventCode>
  <Description>ECU not responding at address 65</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
<LogEvent>
  <SourceSignalName>B_FtEcu66</SourceSignalName>
  <CurrentEventType>ErrorFlashCode</CurrentEventType>
  <EventCode>266</EventCode>
  <Description>ECU not responding at address 66</Description>
  <LastUpdate>0001-01-01T00:00:00</LastUpdate>
  <Value>-1</Value>
</LogEvent>
</ArrayOfLogEvent>
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