



# **Fleetmatics Logbook - REVEAL**

INSTALLATION

# LogBook Equipment

## GenX 5P VTU

## JBox connection to Engine Cable

## ECM (engine) Cable

- Deutsch 6 or 9 pin connectors
- OBD II 16 pin connectors

## Android Device

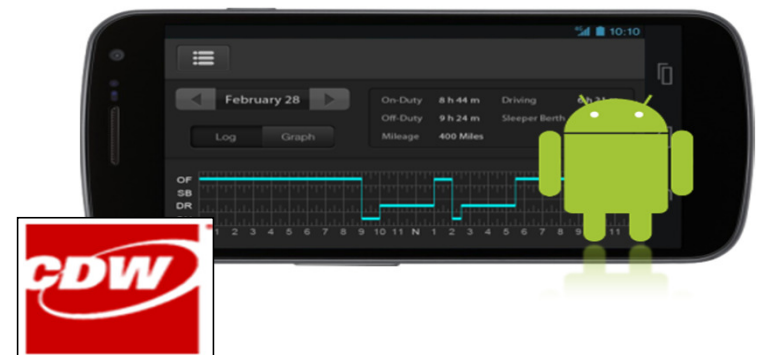
- Phone or Tablet
- Data plan recommended but OPTIONAL!
- Wi-Fi source through CDW
- Carrier: low cost/free devices



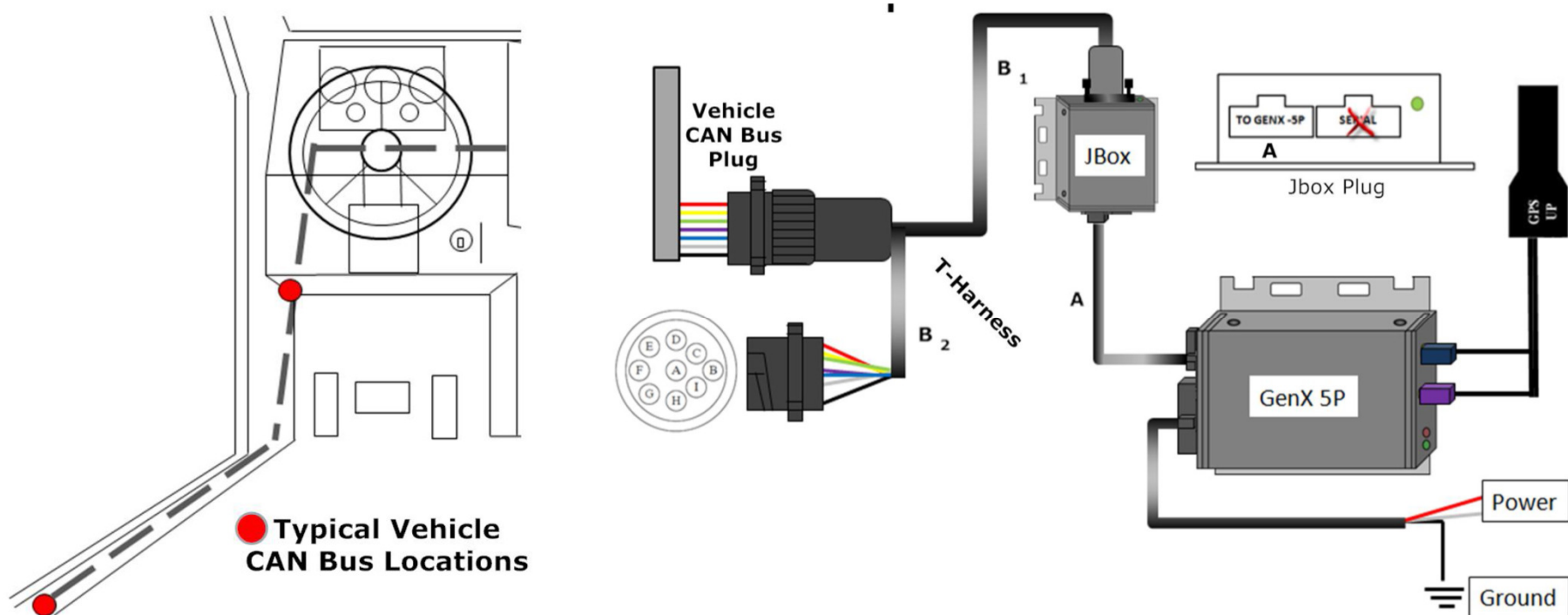
PLUS



OR



# Driver Log Installation



## Slide 3

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**JS1**

Joanna Sohlman, 8/29/2014

# Determining cable type

These guidelines are the basic rule of thumb on the parts. However – it is strongly encouraged to get the list directly from the customer as they can know the cable type by checking the vehicle:

The breakdown for 6 vs 9 pin is not fully published per manufacturer, but the key ideas are:

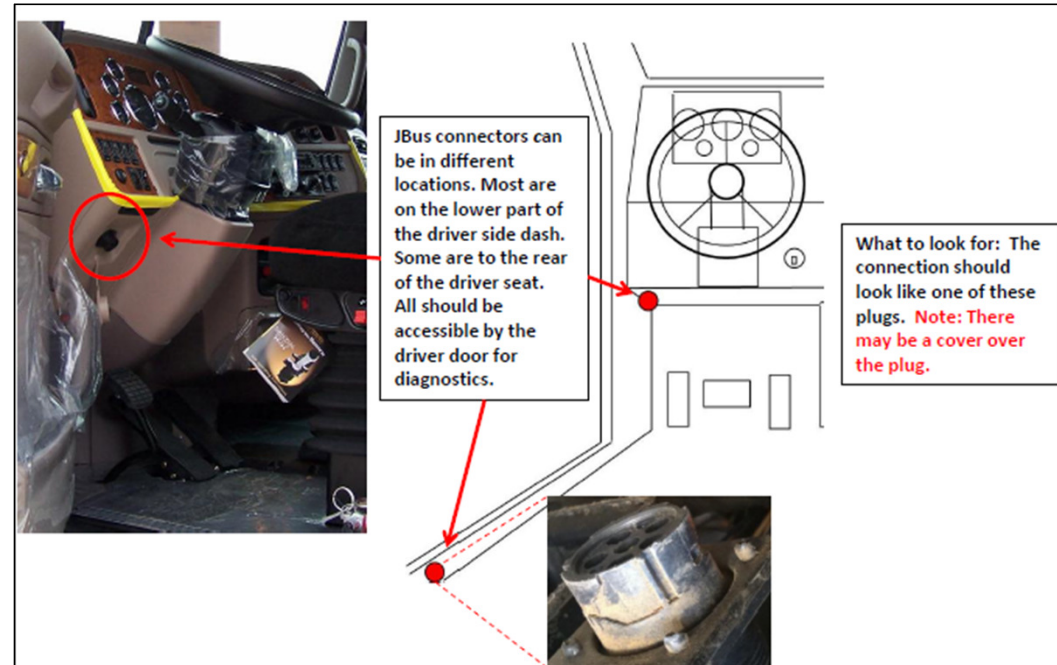
For medium and heavy duty vehicles:

- 1996 – 2000 **6 pin**
- 2000 – 2006 **9 pin**
- 2000/1 **6 or 9 pin** depends on engine during transition of model
- 2007 + **9 pin**

For light duty vehicles, **OBDII cables** should be sent.

In 2014 some manufacturers changed to an OBD pinning system on heavy duty vehicles for ECM diagnostics. You will need to verify if vehicles in this date range are JBus or OBD.

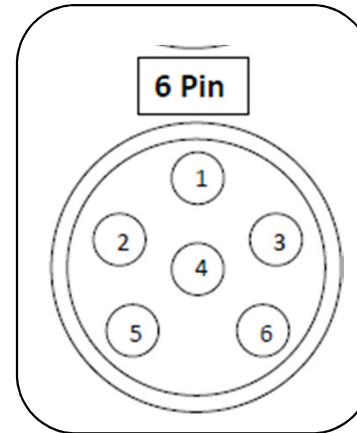
To identify the cable needed for the Logbook feature for your vehicles you should be able to find the JBus or OBDII plug in the cab of the vehicle and identifying the plug as 6-pin or 9-pin Jbus or OBDII. See images below.



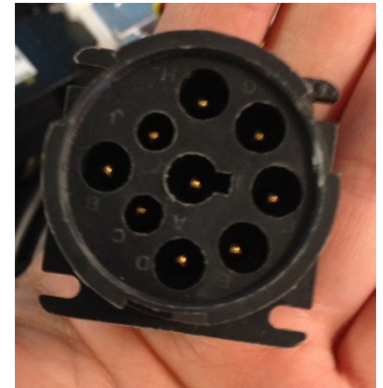
# Hardware Notes

ONLY **GenX 5p (3g or CDMA)** can support Logbook hardware

GenX customer portal: <http://manage.genxmobile.com>



9-pin Jbus cable



OBDII cable



9-pin Peterbilt  
adapter



# Configurations

GenX customer portal: <http://manage.genxmobile.com>

**My Account**  
[My Account](#)  
[My Device List](#)  
**[Search](#)**  
[Change Password](#)  
[Logout](#)

Search By: Serial Number

33265005

OR

To

Submit Query

☒ 33265005

Primary Config: CFG\_FMGEM\_USMCSJJ.cfg  
Secondary Config: GMI\_CFG\_I90JJ.cfg  
Third Config: N/A  

Upload

Configure Devices

	Serial#	FW Ver	HW Ver	Ship Date	LastResync	Primary Config	Secondary Config	Third Config
06	33265005	G602.06.83FX	653V22	2014-04-30 00:00:00	2014-09-02 18:54:00	CFG_FMGEM_USMCSJJ.cfg	GMI_CFG_I90JJ.cfg	GMI_CFG_DRID10MIN.cfg

# Installation Verification Steps

**Note:** These steps assume that the JBOX and GenX already have the proper firmware and configs to support Driver Logs.

1. Turn the Engine On and wait for 10 seconds.
2. Check the green LED in JBOX. It should be flashing rapidly. This will prove that JBOX is getting powered up and connected to GenX.
3. Now send one of the below SMS messages to the GenX 5P
  - a. DIAG HOS BRIEF VIASMS [mobilenumber]
  - b. DIAG HOS BRIEF VIAEMAIL [emailaddress]
4. Check the response got back from the above command. It should look like below. Need to validate everything highlighted in yellow

HOS:

TIME: 09/08/2014 14:39:01

ECM STATUS:CONNECTED

ENGINE:ON (90 km/h)

ODO:137913.125

ODO DERIVED:14913.280

BT STATUS:READY

BT NAME:GENX\_000033192119(000666639B10)

BT PIN:1234

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1. **ECM STATUS** should say CONNECTED. This indicates that JBOX is successfully connected to Vehicle Engine Control Module
2. The current RPM of the vehicle on the dashboard should match the RPM value shown right to **ENGINE:ON** in the above response
3. The current Odometer of the vehicle on the dashboard converted to KMs should match the Odometer value shown right to **ODO:** in the above response.
4. **BT STATUS:** above should show either READY or CONNECTED which will denote the JBOX Bluetooth is working as expected.



# Other ECM and BT STATUS SMS Responses

## ECM STATUS:

<b>CONNECTED</b>	<b>[Normal State for DrLogs]</b> (J1708/J1939 bus connected)
<b>DISCONNECTED</b>	(J1708/J1939 bus disconnected)
<b>ERROR</b>	(JBox has detected an error)
<b>NOT SUPPORTED</b>	(No JBox hardware detected)

## BT STATUS:

<b>NOT AVAILABLE</b>	Jbox not connected to Gnx5p (verify w/ DIAG UARTSTATE ) or Bluetooth module not installed in JBox.
<b>NOT RESPONDING</b>	The Bluetooth module is not responding. Contact dev/technical support.
<b>CONFIG</b>	The Bluetooth module is being configured.
<b>READY</b>	The Bluetooth module has been configured and is ready for Bluetooth communication (pairing, connection, etc).
<b>CONNECTED</b>	<b>[Normal State for DrLogs]</b> An external device is connected to the Bluetooth module.
<b>UNKNOWN</b>	The Bluetooth module problem. Contact dev/technical support.

# Additional diagnostics commands

**DIAG UARTSTATE VIAEMAIL** [emailaddress] -- to  
check **Jbox FW - G002.03.20PJ** as of 9/8/14

```
UART:Fn:0 State:0 Baud:7 Flow:1
EVQ:010 DTR:1 DUN:0000/0, ULS:0003 S:87000300
UAE: RC:1562253 TC:868914 RR:0 TR:73 RB:0 FE:6 PE:0
OE:0 CFU:50136 baud:7
PE:G002.03.20PJ,000,007
```

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NOTE: don't use [VIASMS] option for these commands as  
responses truncate the last characters, including the FW  
version of the Jbox

**DIAG HARDWARE VIAEMAIL** [emailaddress] -- to  
verify FW version of the Gnx5p supporting Jbox -  
**G602.06.83FX** as of 9/8/14

```
MODEL:GNX-5P
SN:000033192119
FW:G602.06.83FX 08:22:05 Feb 27 2014
HW:653, HWOPTID:002B
IMEI:354235051403370
MVER:22.61
GVER:7.03 (45969) 00040007
On:1391:19:02(48:10)
Ign-ON,Volt-13820,Switch-0000,Relay-0000,A2D-0,VOP-1
V-13820/13897/12715/14086 Temp-0
Mallocs -55
CRC:ffff.ffff.e0e0.e0e0.e0e0.e0e0.e0e0.e0e0.e0e0.e0e0.
```

000033192119 P2