SS 1034682 Updated Common Telematics Platform (CTP) Installation and Activation Procedure

Applicable Vehicles: P4 New Cascadia vehicles.

Symptoms:

Some new CTPs being installed in the field have failed to activate and do not communicate with Detroit Connect back end.

Issue:

The activation of the CTP requires that the VIN and CTP serial number pair is transmitted from DiagnosticLink to the Detroit Connect registration server. When using the old procedure, there may be some factors that may prevent that VIN and CTP Serial Number pairing data from uploading to the server.

Solution:

Please follow the updated attached procedure when installing and activating new replacement CTPs. Please note, following every step, in the order listed in the procedure, is critical to a successful activation of the CTP. This procedure will likely be changed once an improved CTP Initialize routine panel is released in the 8.12 version release of DiagnosticLink. Installation

NOTE: This procedure is not complete until the successful activation of the CTP has been confirmed through DiagnosticLink. The execution of all the steps, in the correct sequence, is critical to a successful CTP replacement and activation.

Vehicle must be located in an area with cellular signal coverage. It is recommended to move the vehicle in an outside open area to improve the cellular signal reception.

1. Position the new CTP ECU in the electronics bay, then press the ECU firmly towards the back of the shelf. Lower the front of the ECU on to the surface of the shelf and adjust its position horizontally until the tabs on the ECU are fully seated in the mounting slots.

NOTE: Do not connect the GPS and GSM antennas until instructed to do so, later in the procedure. Connecting the antennas will start the registration process to early and result in delays in the registration process or registration failure.

2. Connect the 54-Pin connector to the CTP ECU.

NOTE: DiagnosticLink connection to internet is required for the remaining steps in this procedure. The loss of internet connection may result in failure of the CTP activation.

- 3. Open DiagnosticLink and connect to the vehicle.
- 4. In DiagnosticLink, click File > Connect and then select the CTP01T to manually connect to the CTP. Allow the CTP to fully connect, approximately 30 seconds, until the connection indicator for the Common Telematics Platform turns green. See Fig.2.



Fig. 2, CTP Connection Indicator

5. Navigate to "Parameters", allow the parameters to be read, and then select the "Initialize CTP" tab. See Fig. 3

Migration Plausibility All Parameters Compare Para	Optimiz meters Compare Server Data	Cruise Control	Progressive Shift DPF History Engine Protection	Fan	PTO Fleet Management	Speed Limits Global Variant Coding	er iroup Coding Strings	Transfer Accumulator Idle and PTO Shutdown	rs Inițialize CTP	Transmission Instrument Cluster Device Variants	
VIN		- A		AAAA	CTP current status			1		、 、	
CCU Serial Number 2250115745					CTP Activation Status from server: <u>Request from Server</u>						
CTP Initialization					RDA Activation: rdaStat	us: Disabled	°				
Device is not busy							List ins	talled RDA jobs			
Save server data is enabled					No data available						
Server connection is not in use					List installed CTM triggers						
A valid Vehicle Identification	n Number is read		4				listins	stalled CDL jobs			
Other connected VINs are	Other connected VINs are identical 3 BAKGHH0RUIST8531 Initialize					No data available					
3AKGHHDR1JSJT8531						Last updated at 3/23/2020 11:08:45 AM					
Time	Label										
					5						
4				_							

- 1.Initialize CTP Tab
- 2. VIN From CTP
- 3. VIN From Connected Truck
- 4. Initialize Button
- 5. Initialize Progress Text Field
- 6. CTP Current Status and Link to Request Server Activation Status

Fig. 3, Initialize CTP Panel

- 6. Verify the VIN from CTP reads the default AAAAAAAAAAAAAAAAA. If the VIN is different, or it does not match the VIN from the connected truck, remove the CTP and install a new CTP.
- 7. Run the initialization procedure by clicking on the "Initialize" button.
- 8. If prompted, enter user name and password to connect DiagnosticLink to the server
- 9. Wait until the last line in the Initialize progress text field reads: "VIN written to device and the required data was sent to the server", then go to the next step.
- 10. Within DiagnosticLink, navigate to the Program Device menu, select the Upload Data line, then click the Connect to Server button at bottom of the window. See Fig. 4.

	Program Device 2 VIN: 3AKGHHDR115/18531 ESN: 47291050509106 Transision: DT2-DT12 DA									
	🅼 The connected vehicle contains chassis devices with incompatible software versions. You will need to update these control devices using Program Device. Click here for more information.									
Fault Codes	Gather Data > Select Operation > Program Device									
en_	Unit Data Software Datasets Diagnosis Descriptions									
Troubleshooting	Unit	Status (powertrain)	Status (chassis)							
	🖻 ок									
Instrumentation	3AKGHHDR1JSJT8531 (47291050509106)	ОК	OK							
	🗉 Upload Data									
Service Routines	SAKGHHDR1JSJT8531	N/A	Data to Upload							
VO Control										
Parameters										
Program Device										

Fig. 4, Upload Data

- 11. After the upload of data is finished, navigate back to the Parameter menu and the Initialize CTP panel.
- 12. Connect the GPS and GSM antenna connectors to the CTP ECU.
- 13. Wait 5 minutes, with ignition switch on and vehicle connected to DiagnosticLink, to allow the new CTP information to be processed on the servers.
- 14. Confirm the active status of the CTP by requesting the status in the upper right-hand section of the panel. Is the CTP Status "Active OK"?
 - a Yes. Go to Step 15.
 - b No. Repeat step 13. If the message doesn't indicate Active OK after 3 consecutive attempts, for a total of 15 minutes, contact the Detroit Connect Operations Support team via email <u>DetroitConnect@daimler.com</u>
- 15. Install the VPDM. Refer to Section 54.08, Subject 100 in the *New Cascadia Workshop Manual* for instructions.
- 16. Install the dash panels. Refer to Section 60.06 in the *New Cascadia Workshop Manual* for instructions.
- 17. Disconnect DiagnosticLink and the Vehicle Communication Interface (VCI) from the 9-pin diagnostic connector.