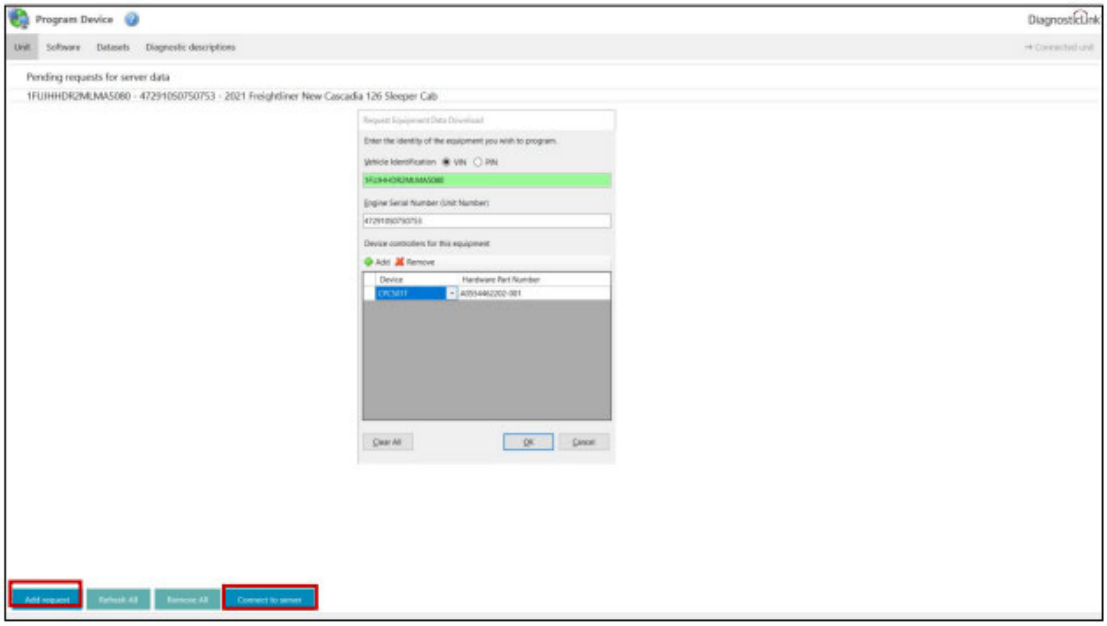
Subject:	**Hood Tilt CPC update and OI Comfort Mode parameters**

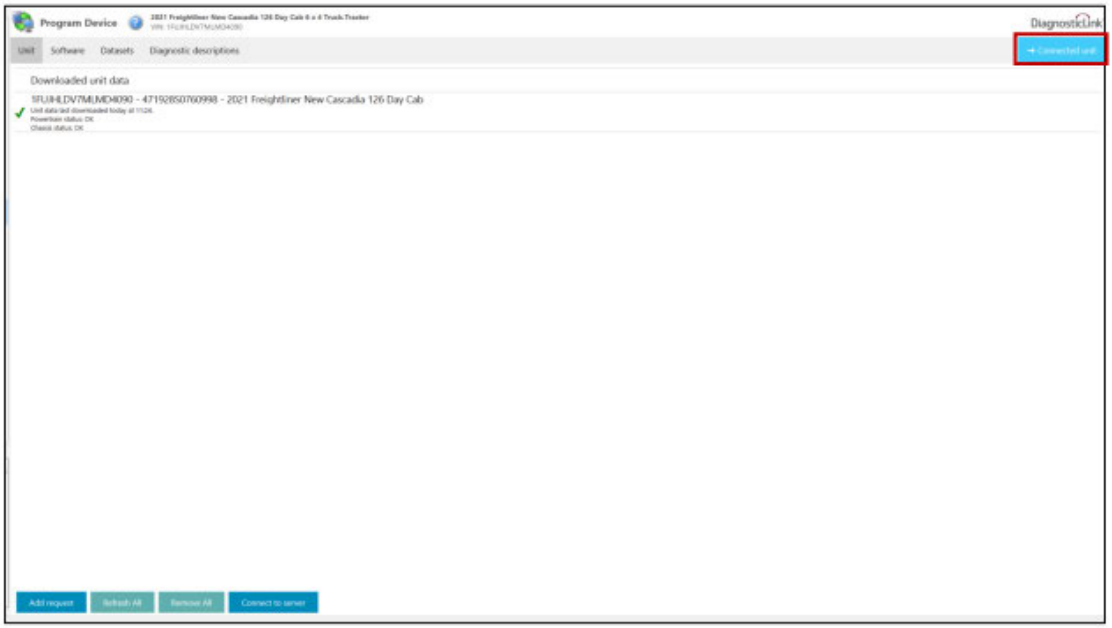
	Work Instructions: 1. Update CPC 2. Update Parksmart Controller software. 3. Adjust Parksmart parameters. 4. Update rear HVAC software . 5. Adjust rear HVAC parameter. 6. Adjust SSAM parameters. 7. Turn off A/C Eco mode.
SRT:	0.50
Warranty	
Specialty Tooling:	Diagnostic Link version 8.23 sp3

Work Instructions:

Section 1 – Update CPC

1. Select “Parameters” option along the left side of the DiagnosticLink® screen. Wait for parameters to be read
2. Select "Program Device" option along the left side of the DiagnosticLink® screen. There will be "Data to Upload". Click "Connect to Server".
3. Select the “Add” button in the lower left corner of the DiagnosticLink® screen and enter the engine serial number. Click the “Connect to Server” button in the lower left corner of the DiagnosticLink® screen to download data, and then select “Connected unit” once complete. Continue by selecting “Next”. See below figures.





4. Program the CPC to level based on production year below

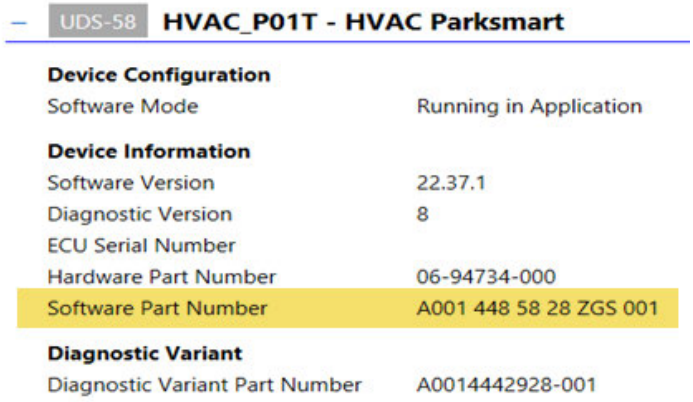
   Production year 2024/23/22 - CPC501T - 22.33

   Production year 2025 - CPC501T & CPC502T - 24.32

5. When programming is complete, click the “Finish” button and perform the following to allow the modules to synchronize with each other: • Disconnect the USB Link at 9-pin vehicle diagnostic port. • Turn the vehicle ignition OFF and wait one minute. • Turn the vehicle ignition ON and wait one minute. • Turn the vehicle ignition OFF and wait one minute. • Turn the vehicle ignition ON and wait one minute. • Reconnect the USB Link, reconnect DiagnosticLink® to the CPC and confirm the proper software and fuel map levels.

Section 2 – Update “Parksmart” software

1. The HVAC_P01T – HVAC Parksmart controller will need to be updated to Software Part Number A001 448 58 28 ZGS 001 or higher to provide new parameters in the HVAC_P01T to allow this feature to work properly.
2. If necessary, use “program Device” to update the HVAC_P01T software.
3. Once HVAC_P01T has been updated to Software Part Number **A001 448 58 28 ZGS 001** with Diagnostic Link this will provide new parameters in the HVAC_P01T parameter folder that will need to be adjusted.

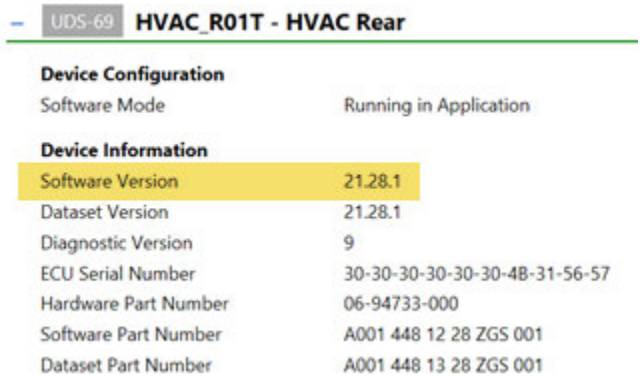


Section 3 – Adjust Parksmart parameters

1. Navigate to the parameter option on the main menu, and scroll to the HVAC_P01T HVAC Parksmart folder and expand it
2. There are three parameters to update. Use **EXTREME CARE** and verify you are selecting the correct parameter. You will need to expand the folders to see the parameter and change it per the values in the graphic below.

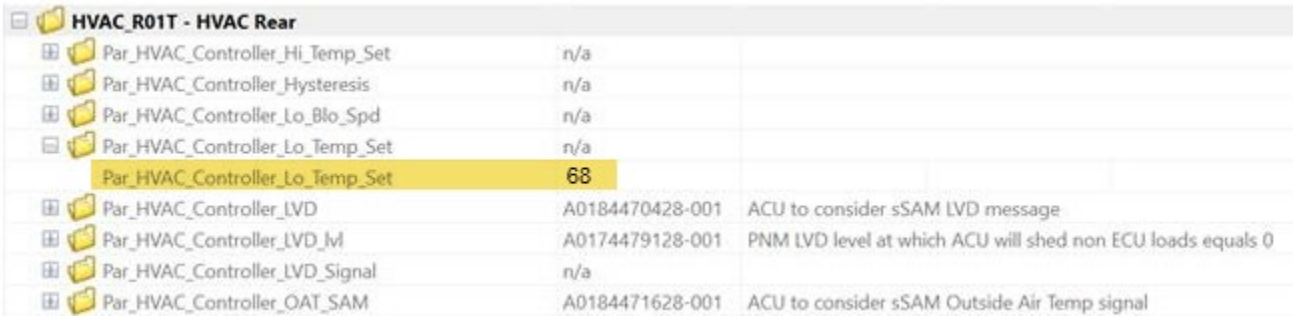
Section 4 – Update Rear HVAC software

1. Use program device to update the rear HVAC controller (HVAC_R01T) to a software level of 21.28.1 or higher.



Section 5 – Update Rear HVAC temperature parameter

1. Set the parameter **Par_HVAC_Controller_Lo_Temp_Set** to 68.
2. You will have to expand the folder to see the parameter.



3. If available, set the parameters **PAR_HVAC_Controller_Hysteresis** to 1.00.

Section 6 – Turn Off A/C Eco Mode

1. On the identification screen, verify that the Front HVAC controller software is 21.28.01 or higher. Use Program Device to update software is necessary.
2. Navigate to the **HVAC_F01T HVAC** Front parameters on the main parameter screen and expand it.
3. Navigate to **Par_HVAC_Controller_ECO_MODE** parameter.
    a. From the drop-down box select **ECO Mode Disabled**.
    b. If the parameter does not appear verify controller software level.
4. Send the parameters to the module and verify the changes are correct in the Front HVAC controller.