

SS1034864 - eB2 Product Updates & Enhancements

Service Solution Title SS1034864 eB2 product Updates and Improvements

Applicable Vehicles - Certain early production eB2 Chassis

Caution: Cooling system and components could be hot. Allow system to cool prior to starting any work on cooling system.

WARNING: When working on the vehicle, shut down the engine, set the parking brake, and chock the tires. Before working under the vehicle, always place jack stands under the frame rails to ensure the vehicle cannot drop. Failure to follow these steps could result in serious personal injury or death.

Symptoms - Certain early production eB2 busses may complain of an intermittent amber colored battery light flickering or illuminating for no reason. A new software update for the EV controller has been developed to correct this issue. Additionally, durability testing has determined that a crack could form in the coolant pump mounting bracket. A reinforcement brace has been designed to reduce the risk of this crack forming.

Solution - The software that controls the EV controller updated to correct the battery light flicker and the coolant pump mounting bracket reinforcement will added. Please refer to the attachments for specific instructions. Only FCC/TBB dealers who are certified Level HV3 are authorized to perform this update. Please contact FCCC service at 800-206-3519 or FCCService@daimler.com for additional information. Dealers who are not HV3 certified are encouraged to contact FCCC and begin the process for attaining the proper certifications to perform repair work on the high voltage systems on these vehicles.

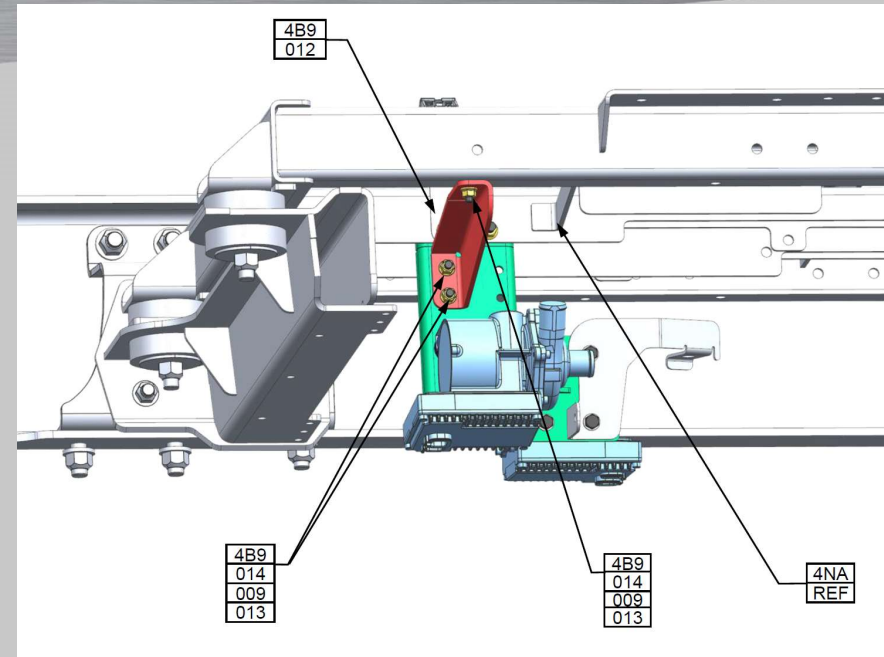


SEAR/TASK: 34

Description: Coolant Pump Mounting Reinforcement Bracket

Warning!!! Cooling system and components could be hot. Allow system to cool prior to starting any work on cooling system.

1. Ensure Parking Brake is set and wheels are chocked
2. Ignition switch turned off and key removed
3. Low Voltage master disconnect switch turned off
4. Install cooling pump mounting bracket, PN# 05-36915-000, bottom of right hand cradle assembly using 5/16 X 18 hardware and torque nut to 11 Lb. Ft.
5. Attach opposite end of reinforcement bracket to cooling pump's mounting bracket using two 5/16 X 18 hardware and torque nut to 11 Lb. Ft.





EB2 Battery Light Flicker



DAIMLER

Saving New Software

1. On the laptop, go to DTNAConnect and select the three menu bars in the upper right-hand corner. Click Support then Download Center. See [Fig. 1](#).

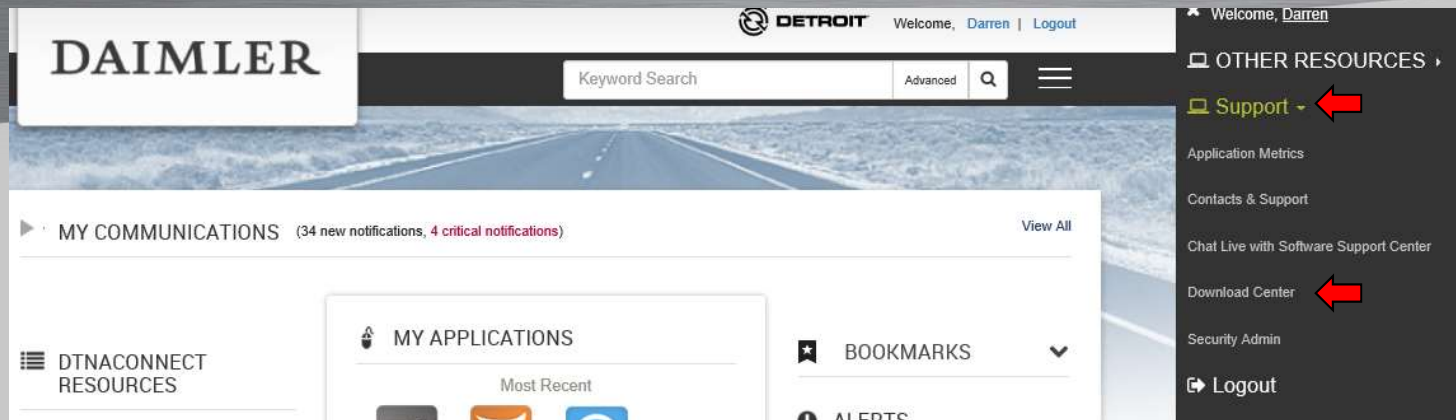


Fig. 1, Selecting Support and Download Center

DAIMLER

Saving New Software

2. Scroll down to the “EB2 Software ESM_V0_0_3 Update” and select the “+” symbol, then right click on the V0_0_3 Update link then choose Save Target As. See [Fig. 2](#).

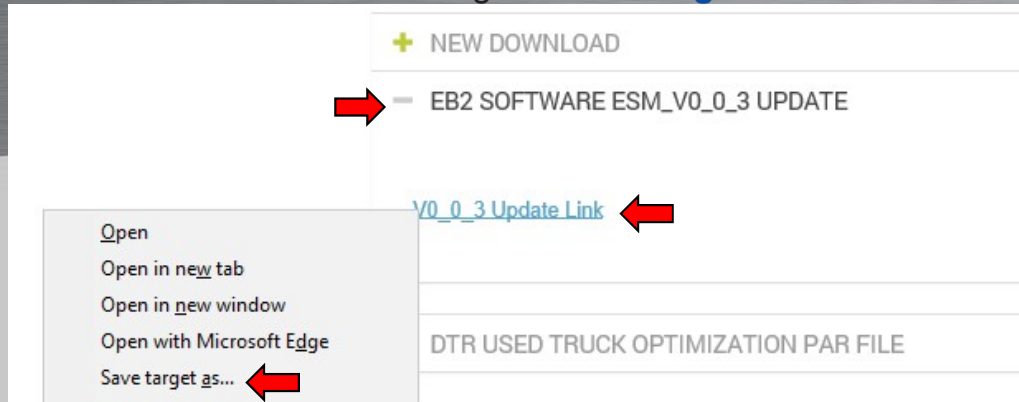


Fig. 2, Selecting & Saving the File Link

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Saving New Software

3. Select desktop then click save. See [Fig. 3](#).

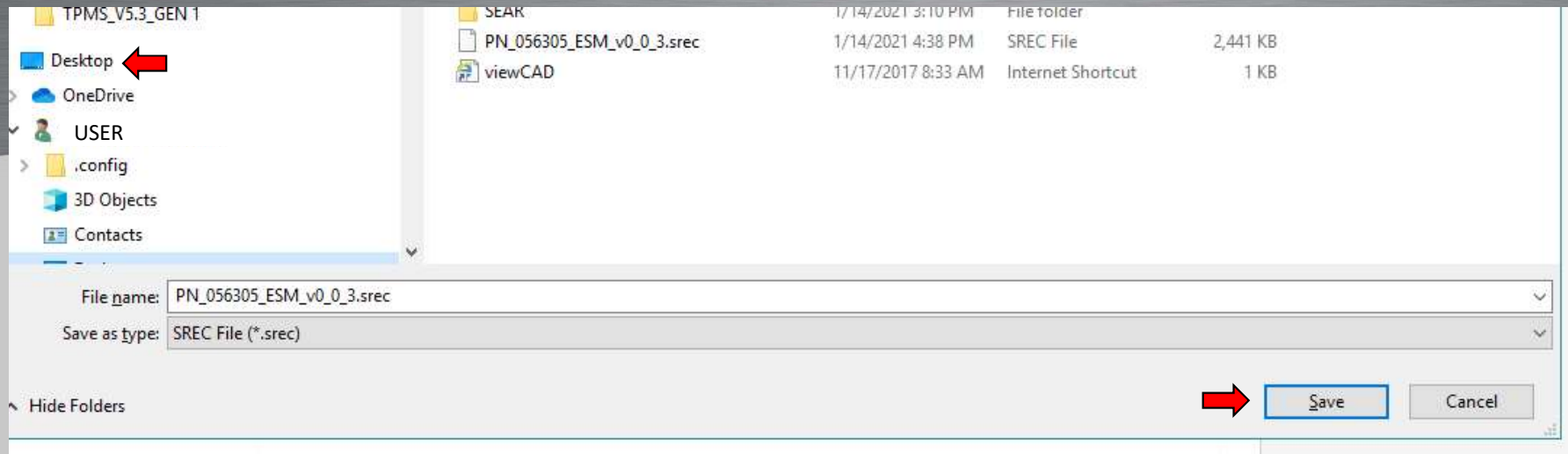
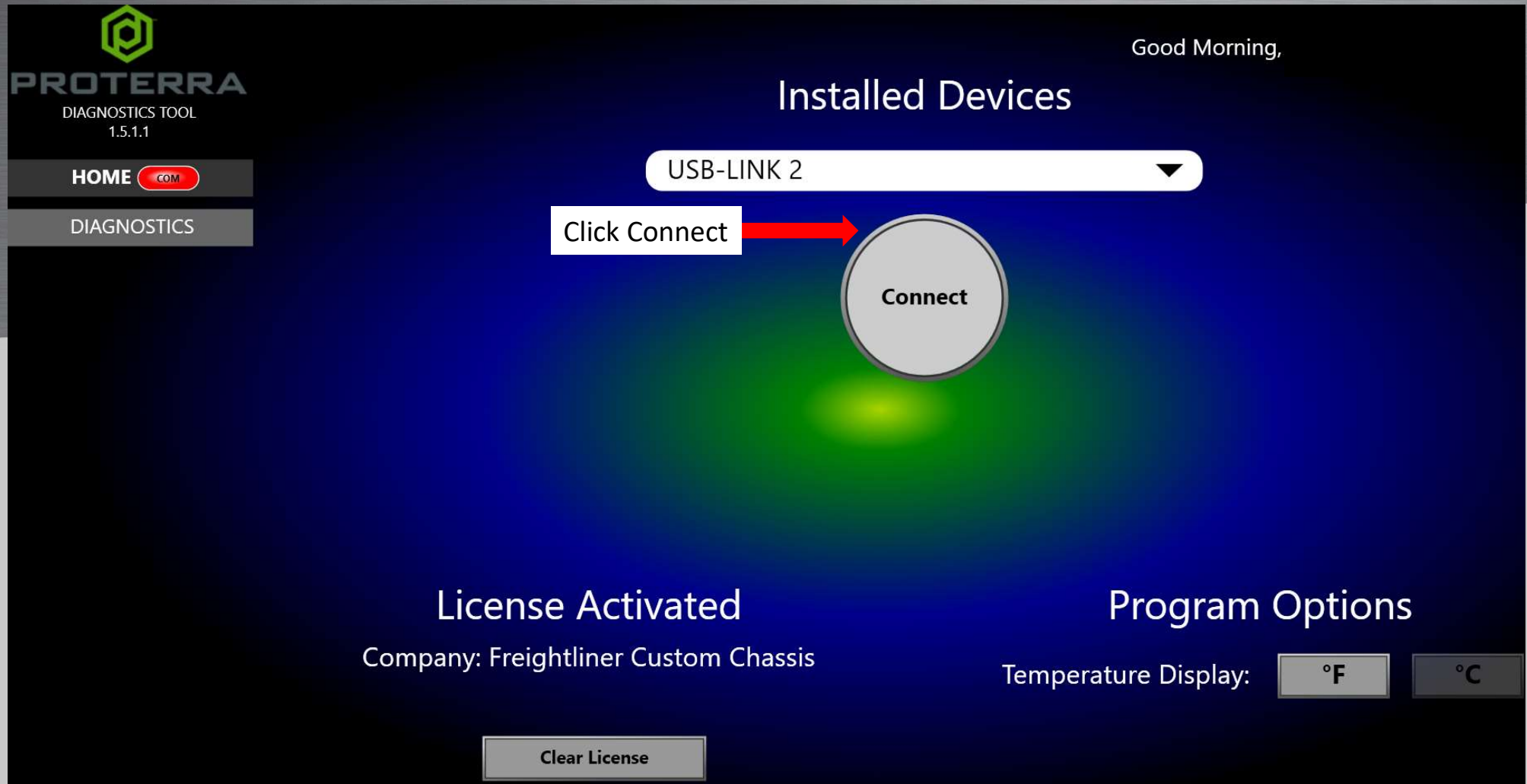


Fig. 3, Saving the File Link

Description: Software Update





PROTERRA

DIAGNOSTICS TOOL
1.5.1.1

HOME COM

VEHICLE OVERVIEW

DIAGNOSTICS

CAN TABLE

CAN SIGNAL PLOTTER

COOLING SYSTEMS

HIGH VOLTAGE

PNEUMATICS

POWERTRAIN

BATTERY THERMAL

BATTERY PACKS

BATTERY OVERVIEW

CONFIGURATION

Good Morning,

Connected:

- CAN Vehicle Network Active -
- CAN Battery Network Active -



Configuration tab

License Activated

Company: Freightliner Custom Chassis

Clear License

Program Options

Temperature Display:

°F

°C

HOME COM

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BATTERY OVERVIEW

CONFIGURATION

Under the ESM Controller tab, click Start Flash

Powertrain Controller SW Version: 3.0.0

Vehicle Controller SW Version: 2.0.2

Charge Controller SW Version:
Unknown Version

ESM Controller SW Version:
Unknown Version

Powertrain Controller

START FLASH

Vehicle Controller

START FLASH

Charge Controller

START FLASH

ESM Controller

START FLASH

Battery Mgmt System

SET STRING

START FLASH

***WARNING:** Do not run other applications on this computer during flashing process as it may cause the controller to fail.

Recycle Bin

File Folders

PN_056305...



DAIMLER

POWERTRAIN

BATTERY THERMAL

BATTERY PACKS

BATTERY OVERVIEW

CONFIGURATION

Choose ESM_v0_0_3, then click Open

ning Powertrain

g: 0% complete

ase Wait

er applications during this process
e the controller to fail.

Battery Mgmt System

SET STRING

START FLASH

START FLASH

START FLASH

START FLASH

START FLASH

*WARNING: Do not run other applications on this computer during flashing process as it may cause the controller to fail.

Type here to search



10:24 AM
11/13/2020

HOME COM

VEHICLE OVERVIEW

DIAGNOSTICS

CAN TABLE

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COOLING SYSTEMS

HIGH VOLTAGE

PNEUMATICS

POWERTRAIN

BATTERY THERMAL

BATTERY PACKS

BATTERY OVERVIEW

CONFIGURATION

Flash will begin automatically, once complete, exit Proterra diagnostic tool.

Powertrain Controller SW Ver

Vehicle Controller SW Versio

Charge Controller SW Versio

Unknown Version

ESM Controller SW Version:

Unknown Version

Programming Vehicle Controller

Programming: 0.0781% complete

Please Wait

*WARNING: Do not run other applications during this process
as it may cause the controller to fail.

START FLASH

START FLASH

START FLASH

START FLASH

Battery Mgmt System

SET STRING

START FLASH

*WARNING: Do not run other applications on this
computer during flashing process as it may cause
the controller to fail.