



Product Improvement Campaign

No: C10115

Issued: February 15, 2021

Re: 6.0L Engine ECU Software Update

Group: 13 **Models:** FE

Expires: February 14, 2022

SUBJECT:

Product Improvement Campaign C10115 – 6.0L Engine ECU Software Update

MODELS:

FEC7T, FECZT

VEHICLES INVOLVED:

Certain 2019-2020 model year FEC7T and FECZT trucks.

NOTE:

The information contained in this document is intended for use by trained, professional technicians with the knowledge, tools, and equipment to properly and safely perform diagnoses and repairs. It informs service technicians about conditions that may occur in some vehicles, or provides information that could assist in proper vehicle diagnosis, service, or repair, and does not indicate that a defect is present in every vehicle referenced in this bulletin. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or that a described repair applies to any particular vehicle. There can be multiple causes resulting in the same symptoms or conditions, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis.

MODIFICATION:

The engine ECU software must be updated.

CAMPAIGN CLAIM SUBMITTAL:

Reimbursement claims are filed through FALCON using the Field Fix claim type. Enter all requested information. The system will automatically apply the labor allowance and recall part.

Campaign Reimbursement					
Campaign Number	Models	Allowances		Labor Description	Part Number
C1011510	FEC7T FECZT	Labor Time	0.6 hour	Update the engine ECU software	N/A

REPAIR PROCEDURE:

1. Park the vehicle on a flat, level surface, turn off the engine, apply the parking brake and chock the wheels.

CAUTION! Do not release the parking brake or remove the wheel chocks until all modification work has been completed.

2. Perform the Campaign using the attached modification procedure.

IMPORTANT! The PSI software must be updated to version 2.3.1 PRIOR to reprogramming the engine ECU.

When PSI program version 2.2 is opened, it will ask if you want to update.

Choose yes and version 2.3.1 will download and update.

If version 2.3.1 is already installed, no update request will appear.

COMMON PROBLEMS THAT CAUSE ECU PROGRAMMING TO FAIL

There are a few common problems that may occur during ECU programming:

- Loose cable connections
- Loss of battery power at the diagnostic interface
- Loss of battery power at the laptop
- Low vehicle battery voltage
- Loss of internet connection

Throughout reprogramming, WiFi strength, battery voltage and connection between the diagnostic equipment and the truck MUST remain constant. Any fluctuation in WiFi strength, battery voltage, or connection between the truck and the diagnostic equipment, may result in programming failure.

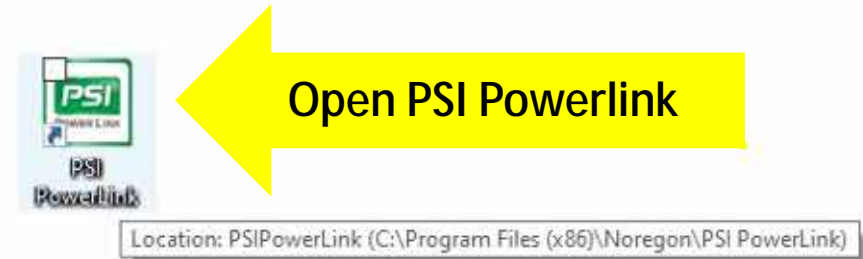
Take all precautions necessary to ensure continued communication between the equipment and the truck including:

1. Ensuring that the truck's battery is fully charged
2. Ensuring that the diagnostic interface is fully charged
3. Keeping the laptop fully charged, or if possible, connected to AC voltage
4. Double-checking all diagnostic harness and cable connections are secure
5. Ensuring that the laptop has a strong WiFi connection while programming

Failure to confirm all of the above may cause the programming to fail to the point of damaging the ECU beyond reprogramming. Should this occur, the ECU may need to be returned to the manufacturer for repair or in some cases require replacement. In either case, the customer's vehicle will be out of service for an extended period, and the repair or replacement may not be covered by MFTA Warranty.

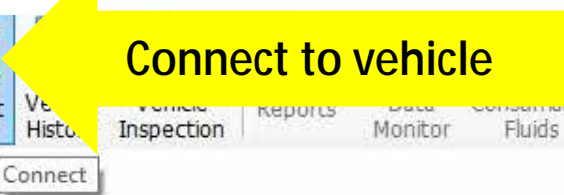
ENGINE ECU PROGRAMMING PROCEDURE

Connect the laptop to WiFi so PSI Powerlink can download the updated ECU software from the Cloud. Ensure that the laptop does not lose the WiFi connection during the programming process.





Confirm it is Version 2.3 or higher






POWER LINK

POWERED BY **JPRO**® TECHNOLOGY

Select Connection Type

Please select the connection type.
This can be determined by the type of connector used to connect to the vehicle.

 Heavy Duty 6 or 9 pin	 Heavy Duty Type 2 (green)	 OEM
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Current Adapter Selected: Type 2 (green) connectors require adapters which support at least 3 CAN channels.

NOTE: Heavy Duty Type 2 (green) connectors require adapters which support at least 3 CAN channels.

Cancel

Select the green plug

Exit Disconnect Record Vehicle Inspection Reports Data Monitor Consumables Programming & Commanded Tests Bus Statistics Submit to OnCommand Application Portal Application Settings Help



Acquiring vehicle information ...

Wait about 2 minutes for the connection

2020 Mitsubishi Fuso Vehicle

- PSI Engine
- Allison
- Brakes

Vehicle Information
 VIN: 4UZCXE114LGLV6682
 Manufacturer: Mitsubishi Fuso
 Model: FEC9TS Gas Series
 Model Year: 2020

Description	Lookup Code	FMI	Count
Clear Faults Malfunction Indicator Red Stop Amber Warning Protect 			

Cruise Spd Limit: 0 mph

Road Speed Limit: 0 mph

Total Engine Hrs: 00 hrs

Avg Fuel Econ: 00 mpg

Odometer: 2098 mi

Not Applicable

Engine Derate: Not Applicable

Engine Speed

Engine Oil Level: N/A

Coolant Level: N/A

Battery Potential: 11.8 volts

Exit Disconnect Record Vehicle Inspection Reports Data Monitor Consumable Fluids Programming & Commanded Tests Bus Statistics Submit to Command Application Portal Application Settings Help

Select Calibrations from the drop down

Calibrations
 Parameters
 Commanded Tests

Lookup Code	FMI	Count
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No Active Issues Found

- 2020 Mitsubishi Fuso Vehicle
 - PSI Engine
 - Allison 1000/2000 5th Gen
 - Brakes

Clear Faults

Malfunction Indicator Red Stop Amber Warning Protect

Vehicle Information
 VIN: 4UZCXE114LGLV6682
 Manufacturer: Mitsubishi Fuso
 Model: FEC9TS Gas Series
 Model Year: 2020

Cruise Spd Limit: 0 mph
 Road Speed Limit: 70 mph
 Total Engine Hrs: 16.2 hrs
 Avg Fuel Econ: 0.0 mpg
 Odometer: 209.8 mi

Engine Speed:

Engine Oil Level:
 Coolant Level:
 Battery Potential: 1.18 volts

No Active Issues Found

2020 Mitsubishi Fuso Vehicle

- PSI Engine**
- Allison 1000/2000 5th Gen**

Vehicle Information

VIN: 4UZCXE114LGLV6682
 Manufacturer: Mitsubishi Fuso
 Model: FEC9TS Gas Series
 Model Year: 2020

Status	Component	Description	Lookup Code	FMI	Count

PowerLink Programmer

Component Info

VIN: 4UZCXE114LGLV6682
 Software Version: 28676201
 Calibration Id: 38300070-1
 Calibration Verification Number: 964888197

Calibrations

Date	Calibration ID	Description
01/29/2021	38300042-1	38300042-1

WARNING: Always use a USB connection for programming calibrations. Performing calibration programming using wireless connections is not recommended.

Select a calibration from the list and click Program to begin.
 NOTE: This will cause PowerLink to disconnect from vehicle. The process may take up to 9 to 12 minutes to complete.

Malfunction Indicator Red Stop Amber Warning Protect

Engine Oil Level

N/A

Level

N/A

Battery Potential

1.18 volts

Total Engine hrs: 16.2 hrs

Avg Fuel Econ: 0.0 mpg

Odometer: 2098 mi

New calibration should be listed here as 38300042-3

Select Program

PowerLink Programmer

Component Info
VIN: 4UZCXE114LGLV6682
Software Version: 28676201
Calibration Id:
Calibration Verif

Calibrations
Date
9/15/2020

Please Wait...

**Time Elapsed:
00:00:03**

Warning: Disconnecting or powering off during programming may damage the controller.

Cancel

WARNING: Always use a USB connection for programming calibrations. Performing calibration programming using wireless connections is not recommended.

Select a calibration from the list and click Program to begin.
NOTE: This will cause PowerLink to disconnect from vehicle. The process may take up to 9 to 12 minutes to complete.

Browse for file... Program...

The timer will continue until programmed

PowerLink Programmer

Component Info

VIN: 4UZCXE114LGLV6682

Software Version: 28676201


Calibration Id: 38300070-1

Calibration Verification Number: 964888197

Calibrations

Date
9/15/2020

PowerLink Programmer

 Calibration program written successfully. Please cycle power to complete the process.

OK

WARNING: Always use a USB connection for programming calibrations. Performing calibrations using wireless connections is not recommended.

Select a calibration from the list and click Program to begin.
NOTE: This will cause PowerLink to disconnect from vehicle. The process may take up to 9 to 12 minutes to complete.

Browse for file... Program...

This message will appear when complete

Click OK and cycle the key off for 1 minute

6.0L

Gasoline

On Highway

Fuso

Calibration Revision Release

OLD – **38300042-1** OR **38300042-2**

NEW – **38300042-3**

Confirm that Cal ID reads 38300042-3