

Heavy Commercial Vehicles

Information bulletin to be circulated to:	Service Manager	Warranty Manager	Parts Manager	Master Technician	Service Consultant	BMIS
	✓	✓	✓	✓	✓	✓

Subject	E-APU Pressure Sensor & Silencer Problems
Variant	F-MAX (H625) Vehicles
Abstract	E-APU continuous discharge problems caused by "pressure sensors or silencer" should be resolved by following the instructions below.

Parts to be Used

Part Number	Part Name	Number of Parts
NC46-2D014-A*	E-APU Pressure Sensor Kit	1
JC46-2D014-A*	E-APU Silencer	1
JC46 2A131 B*	E-APU	1

Labour

Labour Code	Labour Name	Duration (hour)
12C098	E-APU Pressure Sensor Replacement	1
12C111 S	E-APU Silencer Replacement	0,3
14C600 J	E-APU Replacement	1,5

Service Application

Regarding E-APU problems, please follow waterfall diagram.

Check the brake pressure values on the instrument cluster.

If pressure value has not shown, change pressure sensors. (NC46-2D014-A*) then calibrate the sensor using FODiT.



If pressure value is shown on cluster, but E-APU send high- or low-pressure pop-up

1) If there is a "**Brake air pressure high**" error, change the pressure sensors. (NC46-2D014-A*) then calibrate the sensor using FODiT.



2) If there is a "**Brake air pressure low**" error, then brake pedal is pressed repeatedly until the pressure values of all circuits decrease below 5.5 bar.



Check if E-APU exhaust port drains air continuously under 5.5 bar or not

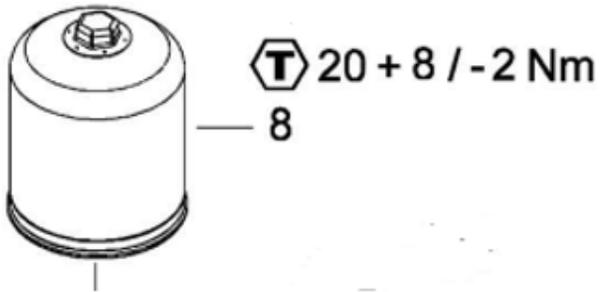
If yes, change the E-APU Silencer (JC46-2D014-A*).



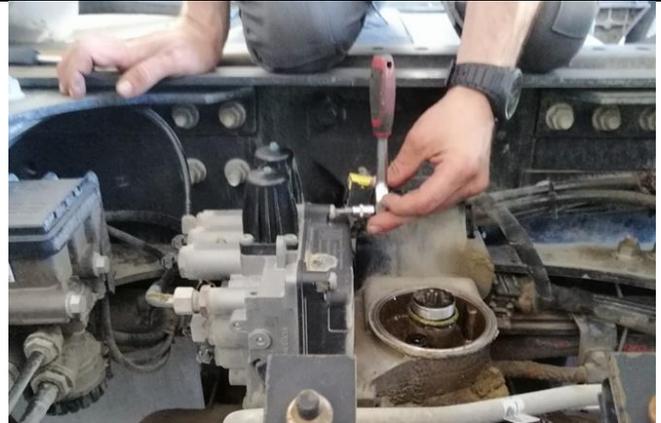
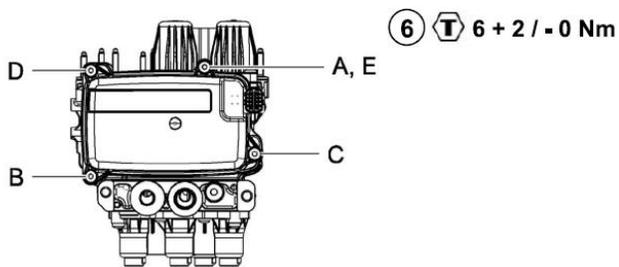
If no, change Pressure Sensors. (NC46-2D014-A*) then calibrate the sensor using FODiT.

How to change pressure sensors?

First, unscrew the E-APU filter.



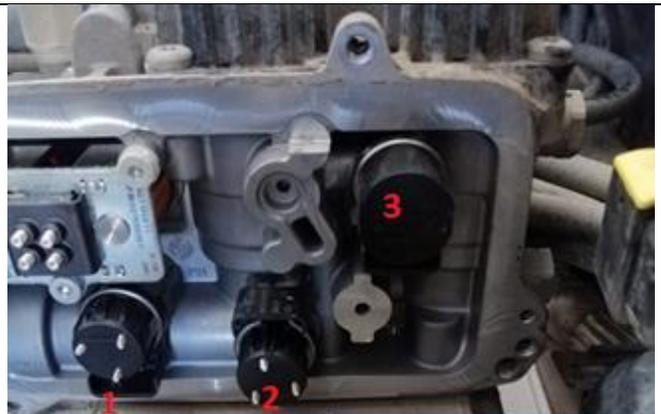
Secondly, unscrew the 4 bolts.



Then, remove the black cover on the electronic control unit.



Replace all 3 pressure sensors and assemble the E-APU by following the above steps in reverse order.



Start the pressure sensor calibration under the E-APU tab by connecting with FODiT.

How to calibrate pressure sensors with FODIT?

1)

FODIT 23.8.1253 - cyilma18 - session 1693805443036

Diagnosis Settings

Function - Pressure Sensor Calibration

Continue
Exit

Test Instructions:

After pressure sensor replacement, calibrate the sensor. Please make sure that ignition is on.

Pre-conditions for pressure sensor calibration:

- Vehicle is in standstill
- Engine speed is zero
- Pressurized system (above 10 bar)

2)

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Diagnosis Settings

Function - Pressure Sensor Calibration

Next

Please do Ignition on

3)

FODIT 23.8.1253 - cyilma18 - session 1693805443036

Diagnosis Settings

Function - Pressure Sensor Calibration

Start Calibration
Stop Calibration
Back

Pressure sensor calibration will take a few seconds only. Sensor teaching will be the process.

4)

FODIT 23.8.1253 - cyilma18 - session 1693805443036

Diagnosis Settings

Function - Pressure Sensor Calibration

Start Calibration
Stop Calibration
Back

Pressure sensor calibration is completed.

After Pressure Sensors Replacement Check the pressure values on the instrument cluster to make sure that the process is completed without any problems.

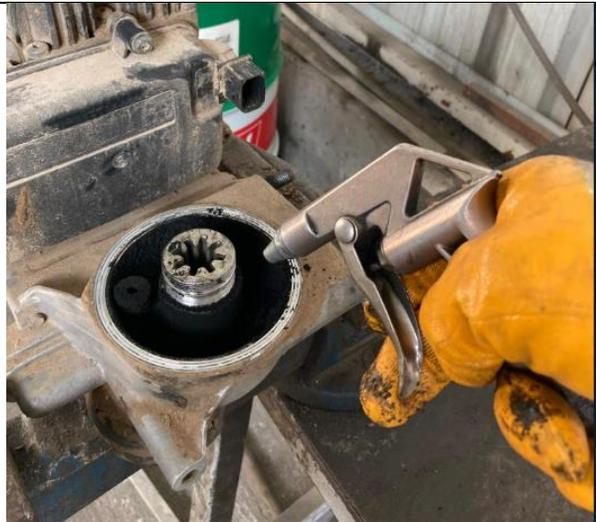


How to change E-APU Silencer?

First, unscrew the E-APU filter.



Then, clean filter mounting area with pressurized air in order to any dust or dirt



Rotate silencer as indicated direction and remove it.



Clean mounting area with pressurized air.



Place new silencer (JC46-2D014-A*) and hand tighten as indicated direction.

