

DTNA Solutions > Discussions and Feedback > Tech Talk > Re: M2 ESC UNABLE TO INITIALIZED



Camion_Denis

Wrench Turner

04-02-2021 09:07 AM

M2 ESC UNABLE TO INITIALIZED

Vehicle Information

VIN: 3ALACXFC4JDJY4717

Model: M2 106 CONVENTIONAL CHASSIS

Model Year: 2018

Mileage: 260817 kilometers

Make: FTL

Are you currently seeing this same issue on other DTNA vehicles at your location?: no

Base Model: M2106

Vehicle Systems Involved

ELECTRICAL

ESC RSC

VIN: JY4717 This truck come with a J1939 issue, I check for fault code of the front radar and finally rapair wire near the radar connector, but the ABS light and ATC light stay on. I check for ABS fault code in wabco: 520210/14 and 1070/10 stay active, troubleshoot said to calibrate the ESC but it show message that ESC unable to calibrate.

We check the wires between the ECU ABS and ESC all is good. We change the ESC but same issue fault code stay active, Is the ECU ABS burn inside??? what to do?

Add tags



0 Kudos

Reply



Brett_Hall1

Knuckle Buster

04-02-2021 12:07 PM

check power and grounds at esc. G06-83984-000. should have 12v and ground. 1939 should have around 2.5 volts. verify wires not shorted together, test wires from abs mod to esc mod. i had this code a few days ago. : 520210-8. called wabco and went through trouble shooting. ultimately found loose connection at abs mod connector.

Add tags



1 Kudo

Reply



 Camion_Denis

Wrench Turner

04-02-2021 12:18 PM

I found a loose terminal in x9 connector of the ECU ABS but same issue, I've also check the power and ground to the ESC and it's good for the J1939 also I've 2.7 volts

Add tags



0 Kudos

Reply



 Brett_Hall1

Knuckle Buster

04-02-2021 01:52 PM

do you have 120 ohms at esc mod. on j1939. if not check the resistance at abs module for esc

Add tags



0 Kudos

Reply



Camion_Denis

Wrench Turner

04-07-2021 08:47 AM

We replace the ECU ABS module and do ESC calibration EOL and we only have 90 ohms to the ESC module on J1939 pins, and now the ESC light is off and only fault code 1070/10 active.

Add tags



0 Kudos

Reply



Brett_Hall1

Knuckle Buster

04-09-2021 08:45 AM

did you copy ther parameter file from the old module and transfer to new module. found this for you code..

| | |
|-----|------|
| SPN | 1070 |
| FMI | 10 |

SUSPECT COMPONENT AND LOCATION (SID\SPN)SAE 1939 Timeout Detection / Inactive XBR #3 Demand

FAULT DESCRIPTION (FMI)ABS and ATC function are still available ESC is still active

FAULT INDICATION

CAUSEAbnormal Rate of Change:

SYSTEM REACTIONVehicle Deceleration Control

The XBR message (source device #3) was not available on the CAN-databus. A message timeout was detected, when the XBR-demand was inactive (= 0 m/s²) or if no XBR message was received after poweron. Remark: This timeout detection is only active, if the source

adress of the XBR device #3 is < FEh (see parameter setting).

REPAIR INFORMATION• E4 version: Check the parameter setting of the ABS-ECU(timeout of the relevant message necessary?).

- E8 version: Check the SAE J 1939 CAN lines to the relevant ECU.
- E8 version: Check the ECU and the system, that should transmit this message.

Add tags

