

DTNA Solutions > Service Solutions > Freightliner  
> SS 3143-FTL M2 Plus Fault Code 232/524000/19- ECU...

# SS 3143-FTL M2 Plus Fault Code 232/524000/19- ECU CPC data error

**NOTE: With the release of software package 81Z-012 starting on 1/13/2025, the driving conditions that would , momentarily enabled the fault code 232/524000/19 at low speed when a directional change is made, and the vehicle is not at a complete stop or rolling in neutral, will no longer be encountered. This Service Solution would not apply to vehicles built with this software package 81Z-012 or later. The software package used with 81Z-012 is not backwards compatible, so vehicles built before 1/13/2025, this Service Solution still applies.**

## Applicable Vehicles

This Solution applies to M2 Plus vehicles built with a Cummins engine and Detroit Assurance.

## Symptoms

Under certain driving conditions the fault code 232/524000/19- ECU CPC data error can come active intermittently.

## Issue

There is a known issue with Fault code 232/524000/19 ECU CPC data error associated with M2+ vehicles supplied with a Cummins engine and Detroit Assurance. At low speed when a directional change is made, and the vehicle is not at a complete stop or rolling in neutral, this fault code can be generated momentarily, due to a lack of confidence in the drive direction. Unless the fault persists during normal driving conditions, the system is considered to be operating as expected.

## Solution

When encountering this code 232/524000/19 as stated in the issue field, the code should be considered normal and no troubleshooting needs to be performed. The code will only show up active very briefly, typically during a directional change. This may be most noticeable when a vehicle is in a tight turn around areas needing to make multiple start / stop directional changes in order to complete a turn.

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