

SS 1033363 CEL On Above 70 MPH (CPC fault code 1624/3)

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APPLICABLE VEHICLES

New Cascadia (Manual Transmission Only)

SYMPTOM

CEL comes on when the vehicle is driven above 70 MPH. CEL remains on until vehicle speed is less than 70 MPH. The CPC fault that gets logged is as follows:

SPN 1624/FMI 3 - VSS Circuit 4/29 Open or Short to Batt

ISSUE

The ICUC parameter value for "kfactor" is too low for trucks configured with a manual transmission and optimized idle and is triggering a false fault (1624/3) in the CPC.

An ICUC parameter has been created to resolve the issue (A0444471721). Check the ICUC parameter setting under PIDx35 (Static TSU parameters). On trucks with the issue, the circled parameter below is blank:

device		ICUC01T
hardware part number		06-93681-101
diagnostic variant		App_0019
+  PID 0x35 (Static TSU parameters)	A0444471721-001	Default string PID 0x35 DTNA
+  PID 0x36 (Dynamic Trip computer parameters)	A9614470821-001	Default String PID 36h Truck ab Cluster 3
+  PID 0x37 (Dynamic EDF configuration param...)	A0404479321-001	Default PID 0x37 (DTNA)
+  PID 0x40 (Vehicle config)	A0414477421-001	Default PID x40 (DTNA)
+  PID 0x404 (Vehicle config)	A0414477421-001	Default PID x404 (DTNA)

If the parameter is blank, follow the instructions below to apply the parameter

SOLUTION

Apply parameter A0444471721 by flashing the ICUC to "latest".