Document ID: 4281742

#15-05-25-001: Service Stabilitrak Message Displayed, DTC C0196-5A Set in the Electronic Brake Control Module (EBCM) - (Oct 2, 2015)

Subject: **Service Stabilitrak Message Displayed, DTC C0196-5A Set in Electronic Brake Control Module (EBCM)**

Models: **2015-2016 Cadillac Escalade Models**
2014 Chevrolet Silverado 1500
2015-2016 Chevrolet Silverado, Suburban, Tahoe
2014 GMC Sierra 1500
2015-2016 GMC Sierra, Yukon Models

Attention: **This Bulletin also applies to any of the above models that may be Export vehicles.**

Condition

Some customers may comment on a Service Stabilitrak message displayed on the Driver Information Center (DIC).

During diagnosis, a technician may find DTC C0196-5A set in the EBCM.

Cause

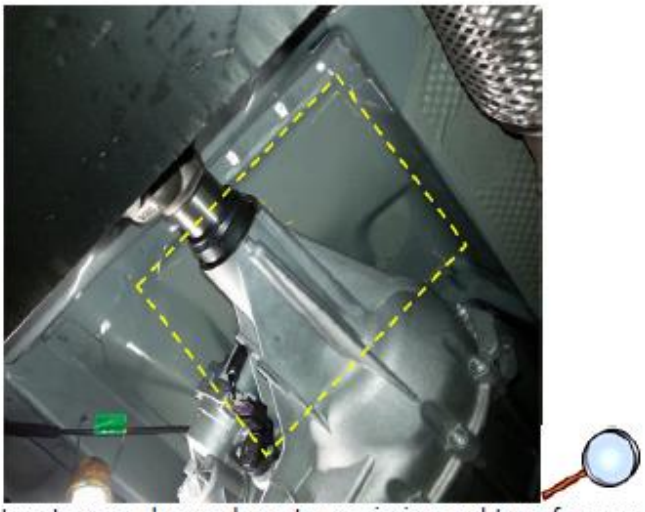
C0196-5A is related to YAW sensor plausibility. Engineering has determined that stone impacts to the underside of the transmission tunnel, right below the SDM, may cause the YAW/Lat sensor located in the SDM to send signal spikes related to the resonant frequencies of the sheet metal; 12-14 kHz range. If the YAW/Lat signals don't line up with vehicle speed and steering angle sensor data, the EBCM will set C0196-5A, plausibility fault. Sometimes the SDM will set C0196-00, invalid yaw rate data fault, if the stone impingement crosses the internal sensor fault threshold while will in turn cause the EBCM to set a C0452-71.

Correction

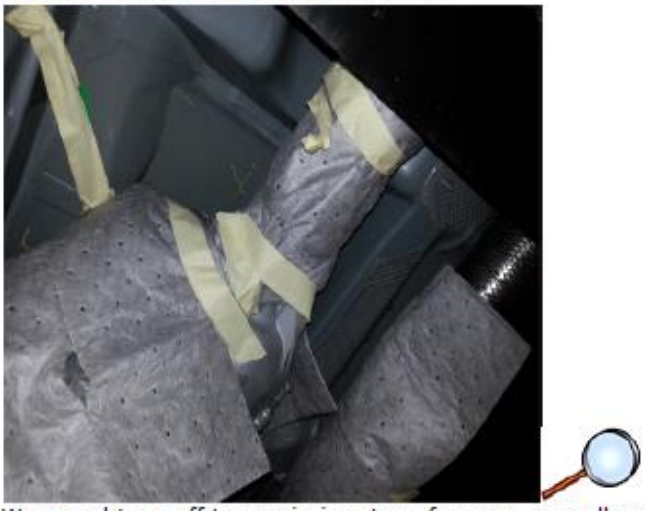
If you encounter a vehicle with the above concern, follow diagnostic procedures in SI relative to the DTCs that are present.

After completing necessary repairs to address the DTCs, perform the following procedure. Applying vibration deadening material to the underside of the transmission tunnel is intended to dampen the frequency of stone impacts to prevent a repeat occurrence.

1. Raise and support vehicle. Refer to Lifting and Jacking the Vehicle in SI.



2. Locate area shown above transmission and transfer case, if equipped.
3. Ensure the area is free of any debris by cleaning the area with wax and grease remover or equivalent. Ensure area is dry.
4. Mark the transmission tunnel as noted.



5. Wrap and tape off transmission, transfer case, propeller shaft, cables, wiring, exhaust, etc.to protect from overspray as illustrated above.

   Note: It is also recommended to protect/tape off the surrounding areas to improve the finished appearance.

6. Apply vibration deadening/damping material specified to the marked area following manufacturer's guidelines.

   Note: It may be necessary to apply the material in 2-3 coats to obtain desired thickness.

7. Inspect the area to ensure coverage of the area is complete and even.
8. Remove all material used to protect from overspray.

Parts Information

Part Number	Description	Quantity/Vehicle	Material Allowance
805HD (Obtain from Lord Fusor*)	High Definition Sealer / Sound Deadener Material [10.5 oz (310.5 mL)]	1 Application Per Tube	$25.00 USD ($30.00 CAD)
Fusor 312 Gun (Obtain from Lord Fusor*)	Sprayable Seam Sealer Tool	Multiple Applications	$204.00 USD ($237.00 CAD)
*Contact Lord Fusor at 1-877-ASK-LORD or www.lord.com. Do not order from GMCCA.			

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
1480578*	Apply Vibration Deadening Material to Transmission Tunnel	1.0 hr
*This is a unique Labor Operation for Bulletin use only. It will not be published in the Labor Time Guide.		