Subject: **Engineering Information – Reduced Engine Power, DTC P2B93 Set**

Attention: **Proceed with this EI ONLY if the customer has commented about this concern AND the PIE number is listed in the Global Warranty Management / Investigate History link (GWM/IVH). If the customer has not commented about this condition or the EI does not show in GWM/IVH, disregard the PI and proceed with diagnostics found in published service information. THIS IS NOT A RECALL — refer to the latest version of Service Bulletin 04-00-89-053 for more details on the use of Engineering Information bulletins.**

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Silverado 1500	2020	2020	-	-	Equipped with 2.7L Engine (RPO L3B)	-
GMC	Sierra 1500						

Involved Region or Country	North America
Condition	**Important:** If the customer did not bring their vehicle in for this concern, DO NOT proceed with this EI. Some customers may comment on reduced engine power. The technician may find DTC P2B93 set or stored in history.
Cause	GM Engineering is attempting to determine the root cause of the above condition. Engineering has a need to gather information on vehicles PRIOR to repair that may exhibit this condition. As a result, this information will be used to "root cause" the customer's concern and develop/validate a field fix.

Correction

If you encounter a vehicle with the above concern, perform the following steps and contact the engineer listed below with your findings.

1. Read all DTC codes and take note of 12V battery charge state.
2. Use scan tool control function to increase and decrease the turbocharger wastegate position (this is step 5 of 'circuit/system verification' of service procedure Document ID: 5128343).
   - Does the reported position match the desired position?
   - What are the position readings of the stops? (The readings should be ~23% for OPEN, ~75% for CLOSED)
3. Inspect wiring harness in accordance with bulletin (PIT5677B).

   Note: Pay special attention to wiring of the turbocharger wastegate actuator.
4. Inspect the turbocharger wastegate actuator hardware.
   - Does the actuator motor appear to be installed correctly?
   - Is the turbocharger wastegate actuator arm bent?
   - Is the connection between arm and motor, arm and valve in good condition?
   - Does the arm move freely by hand?
5. Perform a "connector wiggle test" (step 6 of circuit/system verification' of service procedure Document ID: 5128343).

Contact Information

The Contact Information has been redacted.

Please include the following information if leaving a message:

- Technician name

- Dealer name and phone number
- Complete VIN and repair order (R.O) number

On the repair order, document the date and time the call was placed (even if the engineer was not reached).

If engineering is unable to return the call within one hour, proceed with diagnosis and repair based on information found in SI.

Warranty Information

If engineer was contacted or required information was provided, use:

Labor Operation	Description	Labor Time
4087328*	Engineering Information – Reduced Engine Power, DTC P2B93 Set	0.4 hr
*This is a unique Labor Operation for bulletin use only.		

Version	1
Modified	Released February 11, 2020