Subject: **Engineering Information - Loss of Power, Hesitation and/or Stalls, DTCs P0172, P0299, P0101, P0506 and/or P1101 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 PIE and proceed with diagnostics found in published service information. THIS IS NOT A RECALL — refer to Service Bulletin 04-00-89-053 for more details on the use of Engineering Information bulletins.**

Brand:	Model:	Model Year:		Date Breakpoint:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Equinox	2020	2020	December 01, 2019	EOP	Equipped with 1.5L Engine (RPO LYX)	-
GNC	Terrain						

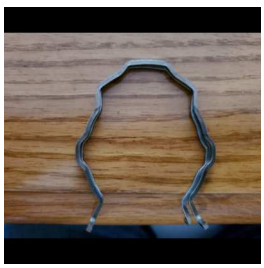
Involved Region or Country	North America
Condition	**Important:** If the customer did not bring their vehicle in for this concern, DO NOT proceed with this EI. Some customers may comment on one or more of the following conditions: • Loss of power • Hesitation • Stalls Technicians may find the one or more of the following DTCs set: • P0172 – Fuel Trim System Rich • P0299 – Engine Underboost • P0101 – Mass Air Flow (MAF) Sensor Performance • P0506 – Idle Speed Low • P1101 – Intake Air Flow System Performance
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:

If loss of power with DTCs:

1. Is the Throttle Body interface disconnected?
2. If the tube was still connected to the Throttle Body when the vehicle came in, perform a smoke test on Charge Air Cooler System from Air Cleaner to Throttle Body, and follow SI for diagnosis and repair, then call the engineer with your findings.
3. If the tube was disconnected, are there **LESS** than 1000 miles (1610 km) on the car?



- If **LESS** than 1000 miles (1610 km), remove the retainer assembly from the tube. Obtain clip P/N# 13434668 and overlay the removed retainer on the new retainer, as shown in the picture above and continue to steps 4 and 5.
- If **MORE** than 1000 miles (1610 km) on the car. Was a service procedure performed previously that would require the disconnection of the CAC duct?
- If **YES**, reconnect to the Throttle Body and clear codes, then call the engineer with your findings.
- If **NO**, remove the retainer assembly from the tube. Obtain clip P/N# 13434668 and overlay the removed retainer on the new retainer and take a picture and continue to steps 4 and 5.

4. If they match, reassemble with the original clip, and do a push/pull on the CAC tube / Throttle Body connection to ensure it is secure then clear the codes and call the engineer with your findings.

Note: The 2 retainers mount to the clip as show in the pictures above.

5. If they **DO NOT** match, install the new clip P/N# 13434668 following the included instructions with the kit then clear the codes and call the engineer with your findings.

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
4087428*	Engineering Information - Loss of Power, Hesitation and/or Stalls, Multiple DTCs Set	0.5 hr
* This is a unique labor operation for bulletin use only.		

Version	1

Modified	Released May 21, 2020