



## Preliminary Information

### PIP5854 Diagnostic Tip: DTC p0420 With A Possible Exhaust Backfire Under Load, Hard Starting Or Crank No Start Condition And/or Multiple Misfire Or Ignition Coil Related DTC's

Proactive

Models

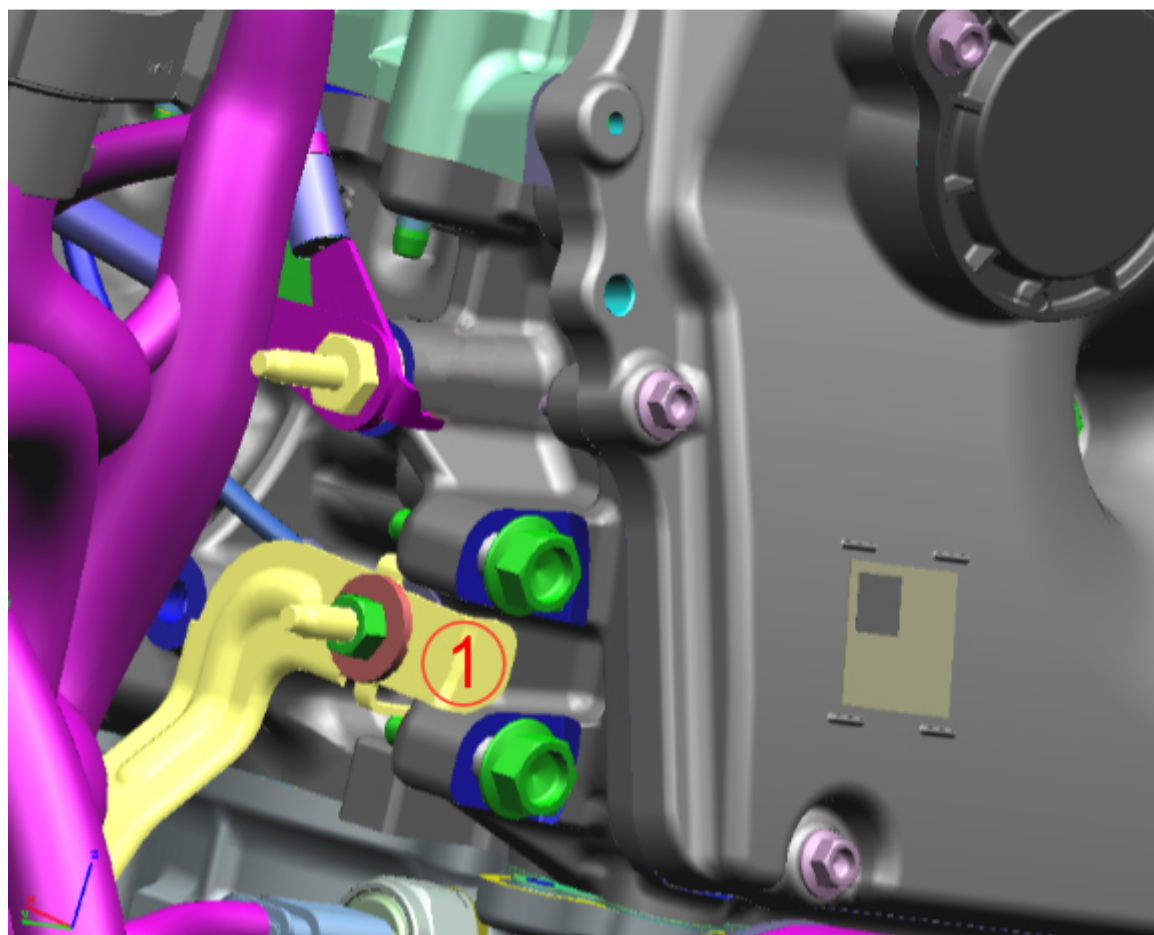
Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado	2022	All	All	2.7 L3B	All
GMC	Sierra	2022	All	All	2.7 L3B	All

<b>Involved Region or Country:</b>	North America
<b>Condition:</b>	Exhaust backfire under load, engine hard starting, crank no start, DTC p0420 and/or multiple misfire or ignition coil related DTC's
<b>Cause:</b>	Poor clamp load on Ignition Coil ground G121 (Global A) or G178B (VIP Architecture)

### Correction

If you encounter a vehicle with the above conditions physically inspect Ignition Coil Ground G121 (Global A) Or G178B (VIP Architecture) for being loose due to poor clamp load.

**(#1) Callout in picture below shows actual ground stud location.**



If the ground was found loose this may be caused by the ground stud fastener being too long or a concern with the threaded hole allowing the fastener to bottom out before making

contact with the ground eyelet.

Remove and inspect the length of the ground stud fastener. This fastener size should be M8x1.25x24mm. If the ground stud fastener size is correct then suspect a possible issue with the threaded hole allowing the ground stud fastener to bottom out. In this case the ground stud fastener would need to be shortened slightly in order for the proper clamp load to be achieved.

### Warranty Information

For vehicles repaired under the Powertrain coverage, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information

Labor Operation:	Description	Labor Time:
<b>4088698</b>	Diagnosing ignition coil ground and adjusting fastener length if needed	0.4 Hr.

### Version History

Version	1
Modified	05/19/2022 - Created on.



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