



Preliminary Information

PIP5758 Diagnostic Tip - Tapping Noise From Engine

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Buick	Encore GX	2020 - 2021	All	All	1.3L (L3T)	All
Chevrolet	Trailblazer	2021	All	All	1.3L (L3T)	All

Involved Region or Country	North America
Condition	Tapping noise from engine
Cause	Potential piston wrist pin and/or bushing wear

Correction:

A technician or customer may comment on a tick or tapping noise from the engine. The noise may be described as a valve train tick or tap. Chassis ears may indicate the noise is coming from the engine block below the cylinder head area. To determine the source of the noise the technician should cancel cylinder(s) to isolate the affected component. Following SI diagnostics for "Lower Engine Noise, Regardless of Engine Speed", and remove the piston and rod assemblies. Once the piston / rod assembly is removed, place and hold the rod flat on the end of a work bench. Center the piston / wrist pin in the small end of the rod. Rock the piston back and forth along the axis of the piston pin. **A noisy assembly will have a loose feel when the piston is rocked back and forth** in the direction of the piston pin axis. (It may help to compare to other assemblies in the engine) Replace any loose piston rods / pins to correct the noise.

Version History

Version	1
Modified	10/16/2020 - Created on.

