



Service Bulletin

Bulletin No.: 22-NA-074

Date: November, 2022

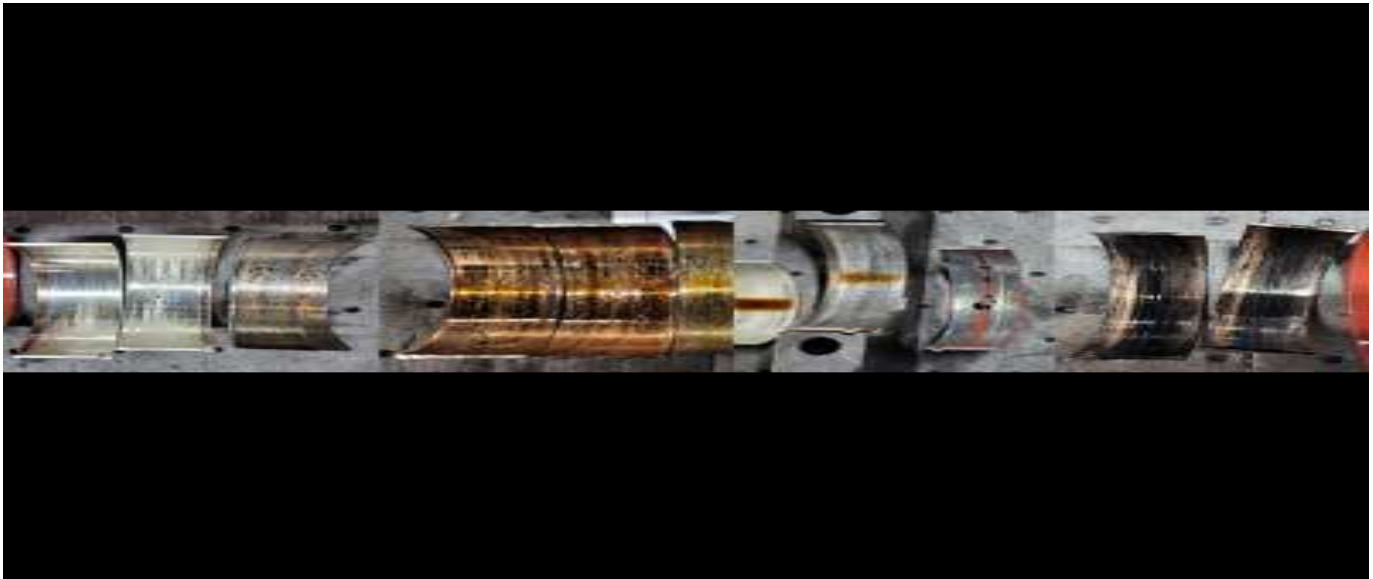
INFORMATION

Subject: Gasoline Engine Replacement Guidelines after Connecting Rod or Crankshaft Main Bearing Damage - Replace Oil Cooler, Oil Cooler Lines and Oil Tank

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
All	GM Passenger Cars and Trucks	2000	2023	—	—	Gasoline Engines Only	—

Involved Region or Country	North America, Europe, Uzbekistan, Middle East, Iraq, Israel, Palestine, Argentina, Brazil, Bolivia, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay, Venezuela, Japan, Cadillac Korea (South Korea), GM Korea Company, China, Taiwan, Thailand, Singapore, Philippines, Australia/New Zealand, Egypt, Other Africa, South Africa
Information	<p>The purpose of this bulletin is to inform service personnel that any time an engine assembly is replaced due to a connecting rod or crankshaft main bearing failure, it is necessary to also replace the oil cooler, oil cooler lines and oil tank if equipped.</p> <p>If an engine experiences an engine failure due to a damaged rod or main bearing the debris from the bearing is sent directly through the oil galleries and components that are in the lubrication circuit.</p> <p>These oil passages and components are very difficult to ensure they are completely clean. If one of the failed components that carries oil is not clean and installed on a new engine there is the possibility that the debris could transfer to the new engine causing damage.</p> <p>Oil cooler, oil cooler line and oil tank replacement is required due to the complex oil gallery passages, making thorough and complete component cleaning difficult and guarantee you completely removed all the debris. Reinstallation of an oil cooler and/or cooler line that was removed from an engine with a bearing failure debris may result in the transfer of any remaining debris into the new Genuine GM Part service engine. This could cause damage or potential failure of the new Genuine GM Part service engine long block.</p> <p>Below are pictures of connecting rod or crankshaft main bearing failures that would warrant an engine replacement along with the oil cooler, oil cooler lines and oil tank if equipped.</p> <p>Note: Some service engines come with the oil cooler and/or oil cooler line(s) already attached to the new service engine. In this case, replacement of those components is not necessary.</p> <p>Note: Not every engine that has bearing damage requires an oil cooler, oil cooler line, oil tank replacement or even the engine to be replaced. Please refer to Service Bulletin # 18-NA-073: Repair Guidelines for Engine Component Wear for additional information.</p>

Below are examples of connecting rod or crankshaft main bearing damage that would require an engine assembly replacement along with the oil cooler, oil cooler lines and oil tank if equipped.



6020407



6020408

Version	2
Modified	Released March 31, 2022 Revised November 09, 2022 – Added the 2023 Model Year.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



WE SUPPORT VOLUNTARY
TECHNICIAN
CERTIFICATION