



Service Bulletin

Bulletin No.: 24-NA-254

Date: November, 2024

INFORMATION

Subject: Information on Service Engine Conversion Procedure for LT4

Brand:	Model:	Model Year:		Build Date:		Engine:	Transmission :
		from	to	from	to		
Chevrolet	Corvette	2015	2019	—	—	LT4	—

Involved Region or Country	North America
Information	The purpose of this bulletin is to inform GM service personnel that the LT4 service engine current part number 12679879 is no longer available from General Motors. If this part is needed to service a customer vehicle noted above, an alternate engine is available that will need to be reworked by the technician. When performing this rework procedure, it will be necessary to follow all service procedures in GM Service Information (SI) to replace the required components. Please note that this list is only the parts required to convert the 12700126-service engine into a 12679879-service engine. All other parts necessary for the engine replacement in-vehicle need to be ordered as normal.

Important: Service agents must comply with all International, Federal, State, Provincial, and/or Local laws applicable to the activities it performs under this bulletin, including but not limited to handling, deploying, preparing, classifying, packaging, marking, labeling, and shipping dangerous goods. In the event of a conflict between the procedures set forth in this bulletin and the laws that apply to your dealership, you must follow those applicable laws.

Parts Information

Note: Only select the parts that coincide with the repair performed. Replace the part with the P/N outlined in the Electronic Parts Catalog (EPC) in accordance with the vehicle VIN.

	Description	Part Number	Qty
ORDER NEW	ENGINE ASM-GASOLINE (SERV)	12700126	1
	CRANKSHAFT ASM-	12674743	1
	SPROCKET ASM-CR/SHF	12631215	1
	BOLT/SCREW-CR/SHF BRG CAP	11548075	10
	BOLT/SCREW-CR/SHF BRG CAP	11548076	10
	BOLT/SCREW-CR/SHF BRG CAP	11546565	10
	BOLT, CR/SHF BALR	11547975	1

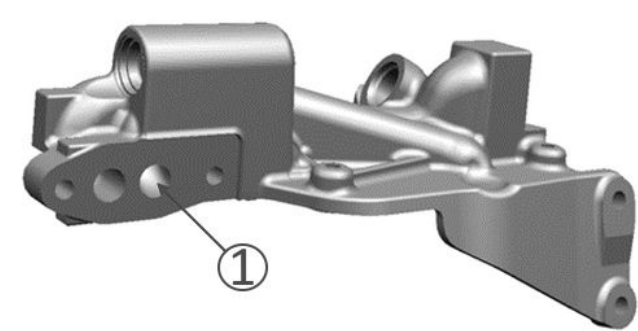
	Description	Part Number	Qty
	BOLT, CONN ROD	11548432	16
	VALVE, CM/SHF POSN ACTR SOL	12681018	1
	SEAL, CR/SHF RR OIL	89060436	1
	SEAL, CR/SHF FRT OIL	12634614	1
	GASKET- CR/SHF RR OIL SEAL HSG	12627520	1
	GASKET, VLV RKR ARM CVR	12619787	2
	PUMP, OIL	12686435	1
	SCREEN, O/PMP	12642305	1
	SEAL, OIL PAN HIGH PRESS PORT	12621086	2
	FILTER, OIL	12699847	1
	SEAL, OIL PAN FRT	12631278	1
	GASKET, O/PMP SUC PIPE	12628574	1
	BOLT A/TRNS FLEX PLT	11547118	8
	CORE-ENG OIL CLR	12659714	1
	GASKET, OIL PAN CVR	12623359	1
	SEAL, ENG OIL COOLER ADAP	12698626	4
	CONNECTOR, ENG OIL CLR HOSE	12662820	2
	RTV 1217H	19369831	1

The parts listed below are parts that will need to be transferred to the new engine in order to complete the conversion.

TRANSFER COMPONENTS FROM OLD ENGINE	VALVE COVERS	INSTALL NEW SEALS, CLEAN THOROUGHLY
	FRONT COVER	INSTALL NEW CRANK SEAL, CLEAN THOROUGHLY
	OIL PAN	INSTALL NEW PICKUP TUBE AND SEALS, CLEAN THOROUGHLY, FLUSH INTERNAL PASSAGES
	FLYWHEEL/FLEXPLATE	INSTALL NEW FLEXPLATE BOLTS
	BALANCER	INSTALL NEW BALANCER BOLT
	OIL COOLER ADAPTER	REMOVE OLD COOLER CORE, CLEAN THOROUGHLY (SEE BELOW), INSTALL NEW COOLER CORE AND SEALS.

Oil Cooler Cleaning Procedure:

Note: The oil cooler adapter must be cleaned as it is not available. Follow the procedure below to effectively clean the oil cooler adapter.



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1. Clean all passages thoroughly with solvent. Use compressed air to dry.
2. Apply 172-275 kPa (25-40 psi) of compressed air, via a rubber tipped nozzle, to the Engine Oil Cooler Adapter oil inlet port (1).
 - 172 kPa (25 psi) will open the integrated bypass valve and clear the passage. **DO NOT** exceed 275 kPa (40 psi).

Version	1
Modified	Released November 06, 2024