

LS2 Carbureted Crate Engine (17802134) Specifications

Specifications Part Number 19156565

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This publication provides general information on components and procedures that may be useful when installing or servicing a LS2 carbureted crate engine. Please read this entire publication before starting work. Also, please verify that all of the components listed in the Package Contents section below were in fact shipped with the kit.

The information below is divided into the following sections:

- Package contents
- Intake manifold torque specifications
- Additional notes

It is not the intent of these specifications to replace the comprehensive and detailed service practices explained in the GM service manuals. GM service manuals are available from: Helm Incorporated, PO Box 07130 Detroit, MI 48207.

Observe all safety precautions and warnings in the service manuals when installing the LS2 Carbureted Crate Engine in any vehicle. Wear eye protection and appropriate protective clothing. Support the vehicle securely with jack stands when working under or around it. Use only the proper tools. Exercise extreme caution when working with flammable, corrosive, and hazardous liquids and materials. Some procedures require special equipment and skills. If you don't have the appropriate training, expertise, and tools to perform any part of this conversion safely, this work should be done by a professional

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Package Contents:

<u>Item</u>	<u>Description</u>	<u>Qty.</u>	<u>GM Part Number</u>
1	LS2 crate engine	1	19156261 (2006 Corvette)
2	Intake manifold kit	1	88958675
3	Intake manifold gasket set	1	19156564
4	Instruction sheet	1	19156565

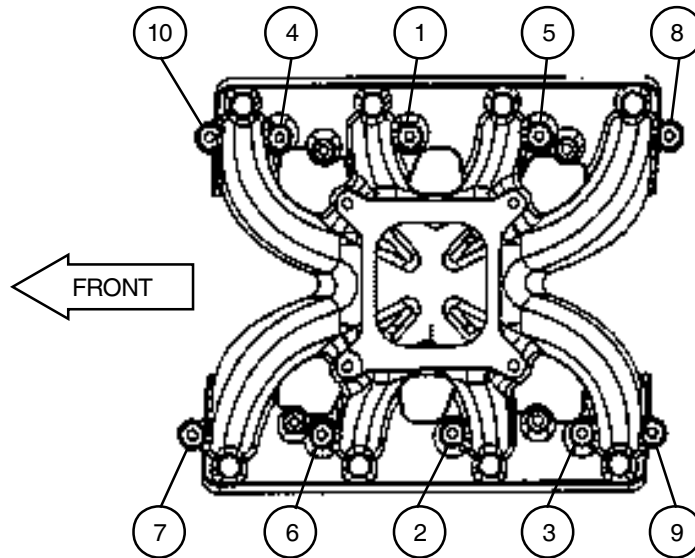
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ALL INFORMATION WITHIN ABOVE BORDER TO BE PRINTED EXACTLY AS SHOWN ON 8 1/2 x 11 WHITE 16 POUND BOND PAPER. PRINT ON BOTH SIDES, EXCLUDING TEMPLATES. TO BE UNITIZED IN ACCORDANCE WITH GMSPO SPECIFICATIONS.	DATE	REVISION	AUTH
	28OC05	Initial Release - Robert Lesz	
	18NO05	Revised - Robert Lesz	

Carbureted Intake Manifold Torque Specification:

Note: The torque values below are in addition to those documented within the LS2 production service manuals.

<u>Fastener</u>	<u>Torque (lb.in.)</u>	<u>Torque (Nm)</u>	<u>Thread Treatment</u>	<u>Notes</u>
Bolts, Intake Manifold (follow torque sequence below)	44 inch lbs. first pass	5 n-m first pass	Threadlock GM #12345382	For 88958675 only
	89 inch lbs. final pass	10 n-m final pass		



Additional Notes:

The intake manifold has boss provisions that can be machined for fuel injection if you choose.

Carburetor:

The LS2 crate engine was tested on the dynamometer using a 4150 style 750 CFM 4 barrel carburetor. Depending on your desired use of the crate engine, you may want to use a 750 CFM 4 barrel carburetor with a choke, choke pull-off system, and a vacuum secondary circuit for street use.

Ignition System:

You will need an aftermarket ignition system to drive the production coils.

Exhaust Manifolds:

The LS2 crate engine was tested on the dynamometer with the stock exhaust manifolds. The advertised power and torque ratings are based on results from the stock exhaust manifolds. The addition of exhaust headers may result in slight performance gains.

Accessory Drive Components:

Additional components can be purchased through your local GM Dealer to complete the front accessory drive system of the LS2 crate engine. This would include items such as the alternator, a/c compressor, power steering pump, idler pulleys, belt, brackets, fasteners, etc.