

Mega-Flo S-2 & S-3 Installation Manual
P/N 07511-MFS3
P/N 07511-MFS2



2007.5 - 2015 DODGE CUMMINS

Mega-Flo S-2 & S-3

Intake Manifold

Installation Instructions

P/N 07511-MFS3
P/N 07511-MFS2
Mega-Flo Intake Manifold Installation

PLEASE READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

Safety Guidelines!

WARNING! Always secure the vehicle from rolling.

WARNING! Always disconnect vehicle batteries before working on electrical components.

WARNING! Always wear safety glasses when operating power tools such as drills and grinders or using punches and chisels.

WARNING! Always properly secure fuel lines and wiring to prevent chaffing.

WARNING! Always have a fire extinguisher ready when working with electrical systems.

PLEASE WORK SAFELY!

Mega-Flo S-2 & S-3 Intake Manifold Contents



<u>Qty</u>	<u>Item Description</u>
1	Mega-Flo S-2 or S-3 Intake Manifold (S-3 Shown)
1	Intake Manifold Gasket
1	M8 x 105mm Intake Manifold Bolt
5	1/8" Allen Head Pipe Plugs
1	Single Use Tube Loctite 242
1	Billet Dipstick Bracket
1	Throttle Valve Gasket (shown below - only for S-2 installations)



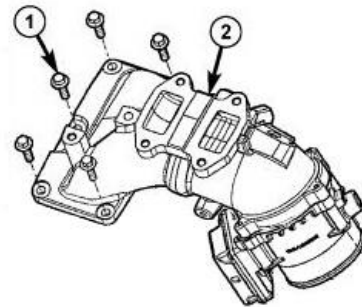
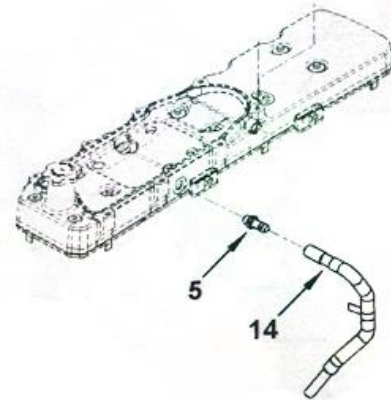
Please check your parts inventory against the above parts list before beginning your installation.

Preparation

- 1) Secure vehicle from rolling.
- 2) Disconnect both batteries.

Stock Intake Manifold Removal

- 3) Remove the 10mm bolt that holds the dipstick tube to the top of the stock intake manifold bracket and save for reinstallation.
- 4) Loosen the upper clamp that holds the rubber intercooler hose to the intake manifold.
- 5) Remove the wiring harness retainer bolt from the back of the manifold.
- 6) Unplug the harness connections for the MAP Sensor, Temp Probe, Throttle Valve (butterfly), and EGR valve (if not already deleted).
- 7) Using a flat screwdriver, gently pry the breather tube from the valve cover (item 14). Also, remove the breather nipple (item 5) from the valve cover. This will make removal of the furthest rear bolt much easier.
- 8) Using a 10mm socket remove the 6 bolts that hold the stock intake manifold to the engine. (item 1)
- 9) Carefully remove the stock intake manifold from the grid heater/intake plenum. The stock intake manifold may be stuck to the intercooler piping boot. A slight twist should break the connection free.
- 10) Remove the split rubber bumper from the number 1 injection line.
- 11) Clean the old gasket from the intake plenum/grid heater surface. Make sure not to drop debris into the engine intake.



Mega-Flo S-2 and S-3 Installation

12) Remove the factory T-MAP sensor from the stock intake manifold and install in the Mega-Flo Manifold. A small amount of oil on the o-ring will make installation much easier. Install using a slight rocking motion.

13) Using the supplied Loctite on the threads install the 5 each 1/8" pipe plugs in the back of the GDP manifold. Do not over tighten. When using Loctite 242 the plugs only need to be snug.



14) For Mega-Flo S-2 installations the GDP TVM Grid heater, throttle valve delete, or stock throttle valve will need to be attached using the supplied gasket and stock throttle valve mounting bolts.

15) Install the supplied gasket to the bottom of the Mega-Flo manifold adhesive side up. This will hold the gasket to the manifold during installation.

16) Install the Mega-Flo manifold intake manifold using 3 factory short bolts, 1 long factory bolt and the 1 new long bolt supplied with the manifold.

17) Tighten all 5 factory intake bolts evenly to 20 ft-lbs.

18) Reattach the intercooler hose and tighten the hose clamp.

19) Reconnect the wiring harness to the T-MAP sensor.



20) Reinstall the valve cover breather nipple and breather tube.

21) Install the Billet Dipstick Bracket as shown on page 5 using the factory valve cover bolts.

22) Reattach the dipstick tube to the bracket using the factory bolt.

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