

INSTALLATION INSTRUCTIONS

PRODUCT: MAP SENSOR SPACER WITH BOOST REFERENCE PORT

FPE-2023-90
March, 2023

FITMENT: 2017-2022 L5P Duramax

KIT P/N: FPE-L5P-MAP-SPR

ESTIMATED INSTALLATION TIME: 15 minutes

TOOLS REQUIRED: 10mm socket and ratchet, 5mm allen wrench, sensor safe cleaning agent

KIT CONTENTS:

Item	Description	Qty
1	MAP sensor spacer block	1
2	Cap screw	1
3	Seal ring	1



WARNINGS:

- Use only sensor safe cleaners to clean the MAP sensor, never use compressed air to clean the sensor as this will damage it.
- The purchaser and end user releases, indemnifies, discharges, and holds harmless Fleece Performance Engineering, Inc. from any and all claims, damages, causes of action, injuries, or expenses resulting from or relating to the use or installation of this product that is in violation of the terms and conditions on this page, the product disclaimer, and/or the product installation instructions. Fleece Performance Engineering, Inc. will not be liable for any direct, indirect, consequential, exemplary, punitive, statutory, or incidental damages or fines cause by the use or installation of this product.

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STEP 1: Locate the MAP sensor and 10mm retaining bolt on the top the intake manifold.



STEP 2: Loosen and remove the MAP sensor retaining bolt with a 10mm socket. The bolt will be reused to install the sensor into the new spacer block.



STEP 3: Disconnect the electrical connector from the MAP sensor by depressing the locking tab.



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STEP 4: Remove the MAP sensor from the manifold.

Using ONLY a sensor safe cleaner, such as CRC Mass Air Flow Sensor Cleaner or equivalent, clean any soot buildup from the sensor.

IMPORTANT: DO NOT use compressed air to clean the sensor, this will damage it.



STEP 5: Install the MAP sensor into the Fleece Performance sensor block. Using the original fastener and 10mm socket, tighten the bolt to retain the sensor into the spacer block.



STEP 6: Clean the manifold surface of any debris and install the sensor block onto the original factory sensor location. Install the cap head bolt included in the kit and tighten it using a 5mm allen wrench. Reconnect the chassis harness electrical connector to the MAP sensor.

The spacer block also integrates a 1/8" NPT port to allow for installation of an auxiliary intake air pressure gauge. To use, remove the 1/8" NPT O-ring port plug and install an adequate pressure sensor.

