



## GEN V LT BILLET VALLEY COVER INSTALLATION GUIDELINES

**Applications:** The GPI Gen V billet valley cover will fit on 2014+ Gen V LT based engines.

**Machined Parts:** (1) Gen V LT Valley Cover, (1) Oil Pressure Sending Unit Block, & (1) DI Fuel Pump Spacer.

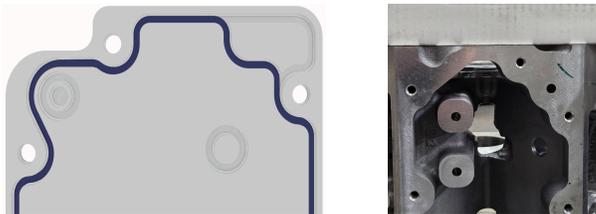
**Hardware:** The kit will include hardware for installation; (1) section of .139" diameter o-ring cord, (10) -206 o-rings, (1) -131 o-ring (9) M8x1.25 countersunk bolts, (2) M8x1.25 socket head cap screw bolts, & (1) 1/8-27 NPT pipe plug.

**Torque Specs:** M6 Fuel Rail Crossover bolt - 89 in/lbs      M8 Valley Cover & DI Pump Bolts - 18 ft/lbs

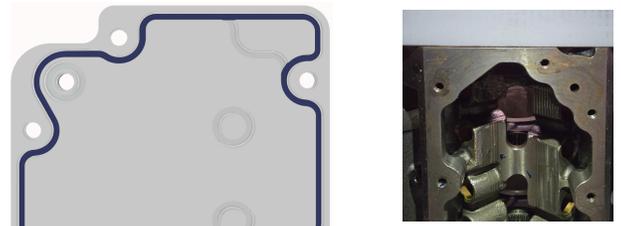
**O-Ring Installation:** Install an o-ring into each of the 9 circular grooves on the bottom of the valley cover. The included o-ring cord will need to be trimmed to fit, as there are different paths that can be used for the perimeter groove. Note: Use a small amount of silicone to seal the o-ring at three different spots. The cut joint at which the ends of the o-ring cord meet, & the intersection points for the two different o-ring paths.

As stated above, the GPI Gen V LT billet valley cover kit fits 2014+ LT based motor, including LT+ and L8T blocks. There are two different o-ring grooves on the bottom side of the valley cover. One is used for standard Gen V LT engines (LT1, LT2, etc), and the other is used for the L8T blocks.

2014-2018 LT Block O-Ring Path

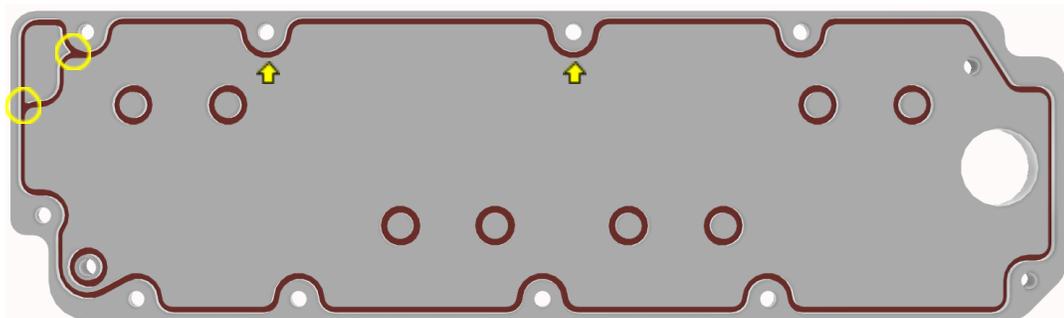


L8T & LT+ 2019+ Block O-Ring Path



We suggest placing the o-ring cut joint  
somewhere between these 2 bolt holes  
Small drop of silicone at cut joint

Small drop of silicone  
in the 2 circled areas



### GPI-OPSUB:



Features two threaded holes; One to use the factory oil pressure sensor, and one on top to use as an oil feed or as a mechanical/secondary oil pressure gauge. When not using a secondary sensor/oil feed, use the included 1/8-27 NPT pipe plug to seal the hole. If the GPI-OPSUB is not being used at all, install the 1/8-27 NPT pipe plug into the valley cover.

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### GPI-DIFPS:



The GPI LT DI pump spacer is used to maintain the factory valley cover dimensions, and allows the user to install the fuel pump without the concern of a height difference vs OEM parts. The DI pump spacer uses factory gaskets & bolts.

**ALWAYS verify preload when installing DI pump!**

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