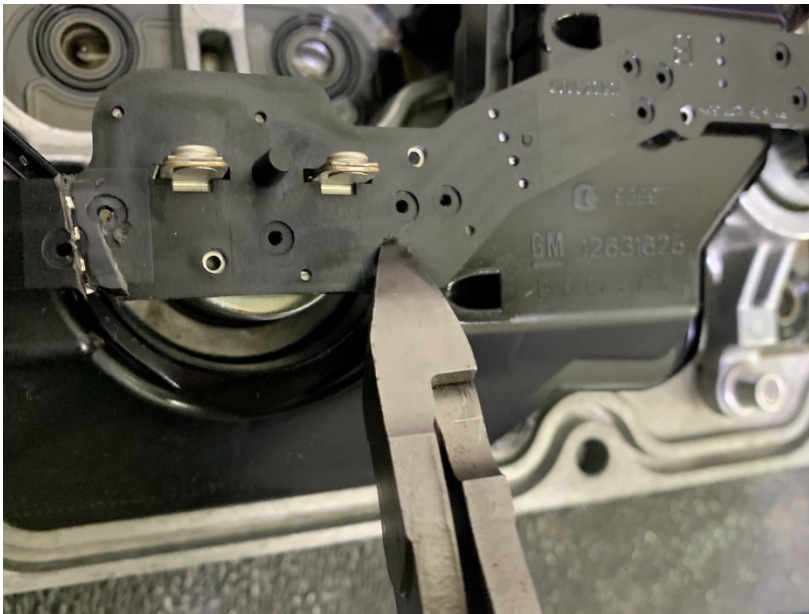




# PRODUCT INSTRUCTIONS

PRODUCT:	LT AFM DELETE VALLEY COVER
PART NUMBERS COVERED:	HP1000, HP1010, HP1011, HP1019
LAST UPDATE:	1/7/2021

1. Remove valley cover from the engine.
2. Cut OEM valley cover AFM circuit board to remove the PCV baffle.



3. Install PCV baffle into the new valley cover using the OEM bolts and blue Loctite.
4. Transfer the gasket to the new valley cover.
5. Transfer the PCV valve to the new valley cover (not required for HP1011).
6. Install non-AFM lifters such as LS7, GM High Speed, or other aftermarket lifters.
7. Clean block valley place surface.
8. Ensure all 8 O-rings are in place on the bottom of the cover.
9. Install the new valley cover using the supplied titanium bolts.
10. Ensure the oil pressure sensor housing O-ring is in place.
11. Install the oil pressure sensor housing using the supplied titanium bolts.
12. Transfer the oil pressure sensor to the new housing.
13. Plug in the oil pressure sensor.
14. Install the DI pump using the supplied titanium bolts.
15. Install the DI fuel crossover tube using the supplied titanium bolt and spacer stanchion between the tube and valley cover.
16. Tape or shrink wrap the end of AFM solenoid plug and secure to the side.

17. For covers with the optional air-oil separator, follow AOS instruction supplement.
18. Re-calibrate PCM to eliminate AFM.

## TORQUE VALUES

Valley cover bolts	1 <sup>st</sup> pass 11lb-ft, 2 <sup>nd</sup> pass 22lb-ft
DI pump	18 lb-ft
DI crossover tube retainer	89 lb-in