



## LS VALLEY COVER with OIL FILL

**241-360** LS2/LS3/LS7/LSX Trussed with Oil Fill – Natural Billet  
**241-361** LS2/LS3/LS7/LSX Trussed with Oil Fill – Polished Billet  
**241-362** LS2/LS3/LS7/LSX Trussed with Oil Fill – Black Billet

**241-367** LS1/LS6 Trussed with Oil Fill – Natural Billet  
**241-368** LS1/LS6 Trussed with Oil Fill – Polished Billet  
**241-369** LS1/LS6 Trussed with Oil Fill – Black Billet

### INSTRUCTION SHEET P/N 199R11477

#### PARTS LIST:

QUANTITY	ITEM DESCRIPTION
1	LS Valley Cover (Billet Trussed Design with Oil Fill Hole)
1	Billet Aluminum Oil Fill Cap w/ O-Ring (Holley P/N 241-225)
1	Instruction Sheet
1	Warranty Sheet

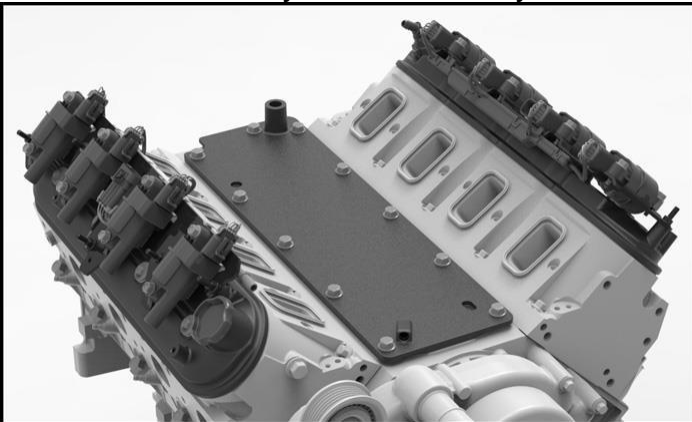
#### APPLICATIONS:

Fits GM LS1, LS2, LS3, LS6, LS7, and LSX Engines.

**NOTE:** Not for use on engines using Displacement on Demand (DOD), Knock Sensors, or Active Fuel Management.

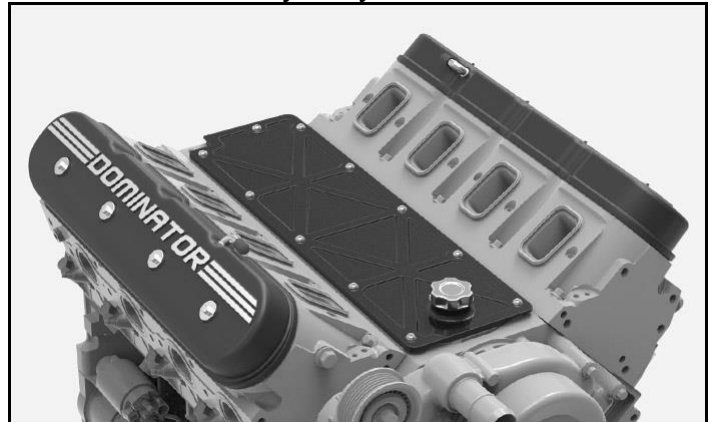
#### BEFORE

Shown with factory *GM* valve and valley covers



#### AFTER

Shown with *Holley* Valley and Valve Covers



## **INSTALLATION INSTRUCTIONS:**

1. Remove the intake manifold and any corresponding parts to allow clear access to the factory LS valve cover. Any knock sensors, harnesses, etc. that are attached to the factory valley cover will also need to be removed or relocated.
2. Remove the factory LS valley cover bolts. LS1/LS6 engines will have 10 bolts. LS2, LS3, LS7, and LSX engines will have 11 bolts.

### **Replacement / Upgrade Bolts Available through Holley.com:**

Valley Cover Bolts, Button Head Stainless Steel, 11 Bolts – Mr. Gasket P/N 60920G

Valley Cover Bolts, Hex Head Stainless Steel, Polished, 11 Bolts – Mr. Gasket P/N 60921G

3. With the bolts removed, lift up and remove the factory LS valley cover and valley cover grommet. Carefully inspect all internal components and the gasket for damage, wear, or lack of proper sealing before proceeding. The factory gasket and hardware may be re-used with your new Holley LS valley cover. If you require new gaskets, the recommended part numbers are as follows:

LS1/LS6 Valley Cover Gasket, 10 Bolt Version – Mr. Gasket P/N 61020G

LS2/LS3/LS7/LSX Valley Cover Gasket, 11 Bolt Version – Mr. Gasket P/N 61021G

## **OIL FILL CAP:**

The included billet cap is designed to thread into the bung on top of the Holley LS valley cover. It should be turned clockwise to install and counter-clockwise to remove. Be careful to check that the O-ring is seated properly when installed to ensure no leakage.

**NOTE:** If the oil fill cap is ever damaged or lost, a replacement cap is available under Holley **P/N 241-225**.

## **INSTALLATION NOTE:**

**If it is your intent to use the top mounted factory oil pressure sensor on LS2/LS3/LS7/LSX engines, you will need to carefully drill and tap the oil pressure sensor provision using the pre-located pilot hole on the bottom of the valley cover. The hole should be drilled and tapped to accept an M16 x 1.5 male NPT fitting.**