

# LS Classic Series™

BY LOKAR INC.

LS PERFORMANCE WITH A VINTAGE LOOK



# VALVE COVERS

Our LS Classic Series Valve Covers are the perfect fit for your retro LS package. They accept the OEM rubber seals (not included) and bolt directly to the cylinder head. With no adapter required, there is less chance of leakage. The casting is designed to be thick enough for drilling and tapping for fittings.

## SMALL BLOCK CHEVY STYLE

Our Small Block Chevy Style Valve Covers are cast aluminum, finned, and only 1-5/8" tall. They are available with a natural cast finish and the LS Classic script is removable so that it can be replaced with your custom logo. The covers have a ported PCV fitting/vacuum port and oil splash baffle in one cover, and all necessary mounting hardware is included.

*These Valve Covers have NO provision for filling oil and should be used in conjunction with one of our Valley Plates with the oil fill tube.*



PART NUMBER
GMLS1002

## BIG BLOCK CHEVY STYLE

Give your LS Engine the look of a classic big block Chevy. Only 2" tall, they include a billet aluminum filler cap on one cover for easy oil filling, as well as a ported PCV fitting/vacuum port and oil splash baffle. They also come with all the necessary mounting hardware, including factory-look load spreaders. These are available with a natural cast finish, painted orange, or chrome plated, and they include vintage Chevrolet Tonawanda factory stickers.



FINISH	PART NUMBER
Cast	GMLS1003
Chrome	GMLS1003C
Orange Painted	GMLS1003O

## 409 CHEVY STYLE VALVE COVERS

Give your LS engine the appearance of an early 60's 348 or 409 Chevy. Only 2-3/4" tall, they have a ported PCV fitting/vacuum port and oil splash baffle in one cover. They come with all the necessary mounting hardware, including factory-look load spreaders. Available with a natural cast finish, painted orange, champagne, or chrome plated. They also include vintage 409 Turbo-Fire factory stickers.

*These Valve Covers have NO provision for filling oil and should be used in conjunction with one of our Valley Plates with the oil fill tube.*



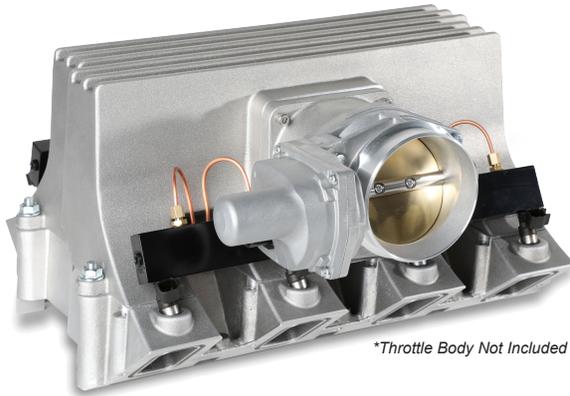
FINISH	PART NUMBER
Champagne Painted	GMLS1004S
Chrome	GMLS1004C
Cast	GMLS1004
Orange Painted	GMLS1004O

# FUELIE STYLE INTAKE SYSTEMS

LS Classic Series Fuelie Intake Systems are designed to give your LS engine the look of GM's iconic powerplants of the 50's and 60's while using modern technology for ultimate performance.

Our Fuelie Style Intake Systems are based on a cast aluminum, two-piece manifold, like the originals. They are also made in the USA, and our kits include billet aluminum fuel rails, all mounting hardware, and gaskets.

These systems utilize GM LS3 OEM fuel injectors and GM four bolt, 92mm, drive-by-wire throttle body (not included) and are compatible with GM and aftermarket ECU's and harnesses that support both drive-by-wire and speed density tuning. Manifold kits are available to work with your choice of rectangular or cathedral port LS cylinder heads.



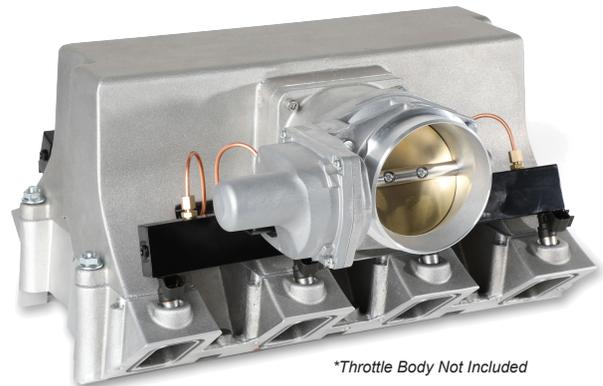
*\*Throttle Body Not Included*

## '57 CHEVY FUELIE STYLE

PORT HEAD STYLE	PART NUMBER
Rectangular	GMLS3001
Cathedral	GMLS3014

## '62 CHEVY FUELIE STYLE

PORT HEAD STYLE	PART NUMBER
Rectangular	GMLS3002
Cathedral	GMLS3015



*\*Throttle Body Not Included*



*\*Throttle Body Not Included*

## '63 CHEVY FUELIE STYLE

PORT HEAD STYLE	PART NUMBER
Rectangular	GMLS3008
Cathedral	GMLS3016



## 14" CLASSIC INTAKE KIT

The LS Classic Series 14" Classic Intake Kit is designed to pay respect to the classic muscle cars and trucks of the 60's and 70's while using modern technology for ultimate performance.

The intake kits include a single plane aluminum intake manifold, billet aluminum fuel rails, 14" chrome round air cleaner, 4150 carb adapter plate, all mounting hardware, and gaskets. The systems utilize GM LS3 OEM fuel injectors and GM four bolt, 92mm, drive-by-wire throttle body (not included) and are compatible with GM and aftermarket ECU's and harnesses that support both drive-by-wire and speed density tuning. Manifolds are available to work with rectangular and cathedral port LS cylinder heads.

PORT HEAD STYLE	PART NUMBER
Rectangular	GMLS3006
Cathedral	GMLS3005



## TRI-POWER STYLE INTAKE KIT

The LS Classic Series Tri-Power Intake Kit is designed to pay tribute to the baddest big block Corvettes of the late 60's while using modern technology for ultimate performance. The intake kits are built around a modified single plane, dual carb aluminum intake manifold that utilizes dual 92mm, GM LS3, four bolt, throttle bodies and fuel injectors (not included) and accepts our Tri-Power style, chrome, triangular air cleaner. The kit also includes 4150 carb adapter plates, throttle body to air cleaner clamp assemblies, mounting fasteners, and cotton gauze air cleaner. The Tri-Power kit requires the use of Holley Dominator (or equivalent) ECU and harness that supports the dual drive-by-wire throttle bodies. Manifolds are available to work with rectangular and cathedral port LS cylinder heads.



PORT HEAD STYLE	PART NUMBER
Rectangular	GMLS3004
Cathedral	GMLS3003



## CATHEDRAL PORT TO LS3 INTAKE ADAPTER PLATES

Use these billet aluminum adapter plates to bolt a late model, LS3 rectangular port intake manifold to Cathedral cylinder heads (i.e. LS1/LS6). They include the necessary hardware and O-rings.

NOTE: These adapter plates are included in LS Classic Fuelie intake kits that are specified for Cathedral port heads.

PART NUMBER (PAIR)
GMLS3010

## 14" CLASSIC AIR CLEANER KIT

This kit comes with everything you need to install a GM LS, four bolt, 92mm throttle body and 14" round, chrome air cleaner onto manifolds that have a standard 4150 carburetor bolt pattern.

The kit includes a high quality, cast aluminum air cleaner base, chrome air cleaner top, 4150 carb adapter plate, throttle body to air cleaner clamp assembly, mounting fasteners, and white paper air cleaner. The air cleaner assembly is 4-1/4" tall.



PART NUMBER

GMLS3007

## TRI-POWER STYLE AIR CLEANER KIT

This kit comes with everything you need to install dual GM LS, four bolt, 92mm throttle bodies and Tri-Power style, triangular, chrome air cleaner onto manifolds that have standard 4150 carburetor bolt patterns and 8-5/8" carb spacing. The kit includes a high quality, cast aluminum air cleaner base, chrome air cleaner top, with Turbo-Jet decals, 4150 carb adapter plates, throttle body to air cleaner clamp assemblies, mounting fasteners, and cotton gauze air cleaner. The air cleaner assembly is 2-1/2" tall.

NOTE: Most intakes will require machining to accept the throttle bodies.



PART NUMBER

GMLS3017



## '57 CHEVY STYLE AIR CLEANER ASSEMBLY

LS Classic Series '57 Chevy Air Cleaner is designed to give the appearance of an original '57 Chevy fuel injected engine. We started with a reproduction air cleaner and designed an adapter to fit on an LS3 throttle body. The air cleaner works seamlessly with our '57 Fuelie intake to top off any Tri-5 engine swap. The kit includes a white paper filter and mounting fasteners and will also work with stock OEM GM 1957 Chevy Fuelie intake manifolds.



PART NUMBER

GMLS3009



## GEN III OIL FILL VALLEY PLATE

LS Classic Series Gen III Oil Fill Valley Plates combine the classic look and function of an OEM style chrome oil fill tube and breather cap into a modern LS engine. Precision CNC-machined from 1/4" billet aluminum, the plates replace the stock cast aluminum 10 bolt valley pans on Gen III LS engines. Valley plates are offered with the oil fill tube slanting towards the driver or passenger sides of the engine. The plates are available with a machined or semi-gloss black powder coat finish and include stainless steel fasteners. Oil fill valley plates utilize the oil fill breather cap only for ventilation.

SIDE	PART NUMBER
Driver Side Machined	GMLS2005M
Driver Side Black	GMLS2005B
Passenger Machined	GMLS2001M
Passenger Black	GMLS2001B

## GEN IV OIL FILL VALLEY PLATE

LS Classic Series Gen IV Oil Fill Valley Plates combine the classic look and function of an OEM style chrome oil fill tube and breather cap into a modern LS engine. Precision CNC-machined from 3/8" billet aluminum, the plates replace the stock cast aluminum 11 bolt valley pans on late model, Gen IV LS engines. Integral O-ring bosses on the bottom side of the valley plate blocks off the Displacement on Demand passages (No other DOD delete kit is necessary). Installation requires relocation of the oil pressure sender (a remote mount is included). The valley plates are offered with the oil fill tube slanting towards the driver or passenger sides of the engine. The plates are available with a machined or semi-gloss black powder coat finish and include all of the necessary O-rings, seals, and stainless steel fasteners. Oil fill valley plates utilize the oil fill breather cap only for ventilation.



SIDE	PART NUMBER
Driver Side Machined	GMLS2006M
Driver Side Black	GMLS2006B
Passenger Machined	GMLS2002M
Passenger Black	GMLS2002B

## BREATHER VALLEY PLATES

LS Classic Series Breather Valley Plates are precision CNC-machined from billet aluminum and incorporate a high efficiency breather assembly and port for superior crankcase ventilation. The plates replace the stock cast aluminum 10 bolt (Gen III) and 11 bolt (Gen IV) valley pans on LS engines. The Gen IV valley plates include integral O-ring bosses on the bottom side that blocks off the Displacement on Demand passages (No other DOD delete kit is necessary). The Gen IV plates include all of the necessary O-rings and seals and require relocation of the oil pressure sender (a remote mount is included). Both breather valley plates are available with a machined or semi-gloss black powder coat finish and come with new stainless steel fasteners. Breather valley plates have NO provision for oil filling.



SIDE	PART NUMBER
Gen III Machined	GMLS2003M
Gen III Black	GMLS2003B
Gen IV Machined	GMLS2004M
Gen IV Black	GMLS2004B

## LS3 COIL RELOCATION BRACKETS

The LS Classic coil relocation brackets are an easy way to move your unsightly ignition coils out of view. Our brackets are designed to fit round, LS2 / LS3 GM 12573190 / ACDelco D514A or equivalent coils. The brackets are constructed from laser cut steel and are black powder coated. The kit includes two brackets and the necessary fasteners and spacers to mount eight coils.

NOTE: Coils are not included.

PART NUMBER (PAIR)
GMLS4001



## COIL EXTENSION HARNESSES 48"

When relocating ignition coils, it's common that the wiring harness is not long enough to reach. Our harness extensions solve that problem by adding an additional 4' of length. These are sold in pairs and plug directly into the factory harness.

PART NUMBER (PAIR)
GMLS4008

## LS DISTRIBUTOR AND PLUG WIRE SET

If you want to top off your vintage appearing LS swap then look no further than our distributor and plug wire set. We start with a set of high quality, 7 mm, Kevlar spiral core spark plug wires with high-temp silicone boots. The wires are 9' long with 40 ohms of resistance per foot, giving you all the length and performance you need to remote mount your coils, out of sight and out of mind.

The plug wires first connect to the coils and then pass through the hollow cast aluminum distributor body that is bolted to the engine's valley plate, and then on to the spark plugs for an authentic nostalgic look.

The LS Classic Distributor kit includes the plug wires with pre-installed 90 degree coil boots, straight unterminated spark plug boots (plug wire crimpers are needed to complete the installation), 90 degree distributor boots, distributor housing, cap, and terminals.

NOTE: Check firewall clearance to ensure fit. Distributor is designed to bolt to the back two bolts of LS Classic Valley Plates (they will NOT clear valley plates with raised ribs or oil pressure sender boss).



PART NUMBER
GMLS4002



PART NUMBER
GMLS4005

## EXTRA LONG SPARK PLUG WIRE SET

Included with our distributor kits, our plug wire sets are available separately. These high quality, 7 mm, Kevlar spiral core spark plug wires include high-temp silicone boots. The wires are 9' long with 40 ohms of resistance per foot, giving you all the length and performance you need to remote mount your coils, out of sight and out of mind.

The LS Classic Spark Plug Wire Kit includes the plug wires with pre-installed 90 degree coil boots, straight unterminated spark plug boots (plug wire crimpers are needed to complete the installation), 90 degree distributor boots and terminals.

## ACCESSORY DRIVE KITS

LS Classic Accessory Drive Kits provide the finishing touch to your vintage look LS engine. The kits include a single six rib serpentine belt to drive all of your accessories. The kits include high quality, name-brand components and American-made billet aluminum brackets with a semi-gloss black powder coated finish.

### ACCESSORY DRIVE KITS WITH POWER STEERING AND AIR CONDITIONING

These kits feature a GM Type II/TC style power steering pump and an integrated, large capacity, remote, billet aluminum reservoir, high capacity Sanden 709 air compressor, and a 180 amp Powermaster alternator. F-Body kits are designed to work with early F-Body/GTO belt lines. Truck kits are designed to work with the truck belt line using an early F-body water pump. Kits do not include the F-body water pump or balancer.



APPLICATION	PART NUMBER
F-Body	GMLS5007B
Truck	GMLS5016B

### ACCESSORY DRIVE KITS WITH POWER STEERING (NO AIR CONDITIONING)



These kits feature a GM Type II/TC style power steering pump and an integrated, large capacity, remote, billet aluminum reservoir and a 180 amp Powermaster alternator. F-Body kits are designed to work with early F-Body/GTO belt lines. Truck kits are designed to work with the truck belt line using an early F-body water pump. Kits do not include the F-body water pump or balancer.

APPLICATION	PART NUMBER
F-Body	GMLS5010B
Truck	GMLS5018B

### ACCESSORY DRIVE KITS WITH AIR CONDITIONING (NO POWER STEERING)

These kits feature a high capacity Sanden 709 air compressor and a 180 amp Powermaster alternator. F-Body kits are designed to work with early F-Body/GTO belt lines. Truck kits are designed to work with the truck belt line using an early F-body water pump. Kits do not include the F-body water pump or balancer.



APPLICATION	PART NUMBER
F-Body	GMLS5009B
Truck	GMLS5017B

## ACCESSORY DRIVE KITS WITH ALTERNATOR ONLY

These kits feature a 180 amp Powermaster alternator. F-Body kits are designed to work with early F-Body/GTO belt lines. Truck kits are designed to work with the truck belt line using an early F-body water pump. Kits do not include the F-body water pump or balancer.

APPLICATION	PART NUMBER
F-Body	GMLS5011B
Truck	GMLS5019B



## LS F-BODY/GTO ALUMINUM WATER PUMP

High quality aluminum water pump that includes case hardened bearings and precision CNC-machined surfaces and features an ultra-efficient metal impeller that helps to provide optimum cooling with performance and longevity. Use this water pump with any of our LS Classic Accessory Drive Systems.

PART NUMBER
GMLS5029

## BALANCERS

Use these balancers with any of our LS Classic Accessory Drive Systems with an early F-body / GTO or truck belt line. These harmonic balancers feature nodular cast iron construction with a black finish. They will equip your early F-Body / GTO or truck spacing accessory drive to operate smoother and counter torsional vibrations from the engine.

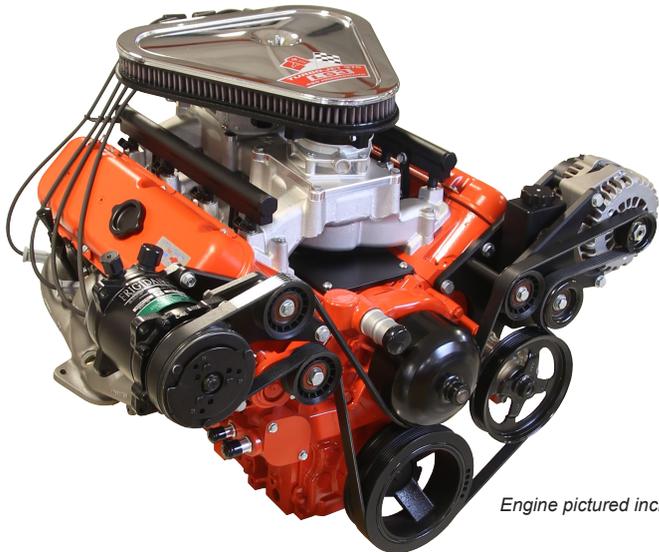
APPLICATION	PART NUMBER
Early F-Body / GTO	GMLS5030
Truck	GMLS5031



## CRATE ENGINE PACKAGES

All of our LS Classic components are available, installed, on one of our Classic Crate Engines. We start with a brand new GM 495 horsepower LS3 right out of the box. We then paint it orange (if you so desire) and begin assembling your desired components until we have the perfect crate engine for your project. Once completely assembled we put the engine on our in-house run stand, load your Holley EFI ECU with our start-up tune, and run your engine to check for leaks and oil pressure. After we are satisfied that your engine will operate with no issues, we put it back in the original GM crate and ship it directly to you or your builder. Once you receive your engine it is as simple as installing it, terminating a couple of power and ground wires on the harness and providing fuel pressure to the engine. We guarantee an easy start up!

As these are completely custom packages tailored to your needs, pricing varies depending on the engine's options. Call or email for a custom quote.



### TRI-POWER STYLE CRATE ENGINE

Our Tri-Power Style Crate Engine replicates the look of one of GM's most iconic engines. With 495 horsepower, it's a perfect fit for your Corvette, Camaro or sixties muscle car. This engine is available with Big Block Style Valve Covers in your choice of finish.

OPTIONS	PART NUMBER
Engine block painted orange, orange Big Block Chevy Style Valve Covers	GMLS9011
Engine block painted orange, chrome Big Block Chevy Style Valve Covers	GMLS9012
Engine block unpainted, cast finish Big Block Chevy Style Valve Covers	GMLS9013

*Engine pictured includes optional Lokar dipstick assembly, Accessory Drive Kit, water pump, and balancer.*

### 14" CLASSIC CRATE ENGINE

Our 14" Classic Style Crate Engine has vintage looks and at 495 horsepower it delivers the modern performance that you need. It's available with either 409 Style Valve Covers to replicate the look of the iconic GM Big Block 409 "W" Engines, or with Big Block Style Valve Covers in your choice of finish.

OPTIONS	PART NUMBER
Engine block painted orange, champagne 409 Style Valve Covers	GMLS9008
Engine block painted orange, cast finish Small Block Chevy Style Valve Covers	GMLS9001
Engine block painted orange, orange Small Block Chevy Style Valve Covers	GMLS9002
Engine block unpainted, cast finish Small Block Chevy Style Valve Covers	GMLS9003
Engine block painted orange, orange Big Block Chevy Style Valve Covers	GMLS9004
Engine block painted orange, chrome Big Block Chevy Style Valve Covers	GMLS9005
Engine block unpainted, cast finish Big Block Chevy Style Valve Covers	GMLS9006
Engine block painted orange, orange 409 Style Valve Covers	GMLS9007
Engine block painted orange, chrome 409 Style Valve Covers	GMLS9009
Engine block unpainted, cast finish 409 Style Valve Covers	GMLS9010



*Engine pictured includes optional Distributor Kit with plug wires, Accessory Drive Kit, water pump, and balancer.*



## '57 FUELIE STYLE CRATE ENGINE

Replicating the look of the legendary '57 Chevy Fuelie, this 495 horsepower Crate Engine is a perfect fit for your early Corvette, Bel-Air, classic car, or muscle car. It's available with Small Block Chevy Style Valve Covers in your choice of finish.

OPTIONS	PART NUMBER
Engine block painted orange, orange Small Block Chevy Style Valve Covers	GMLS9015
Engine block painted orange, cast finish Small Block Chevy Style Valve Covers	GMLS9014
Engine block unpainted, cast finish Small Block Chevy Style Valve Covers	GMLS9016

*Engine pictured includes optional Air cleaner assembly, Lokar dipstick assembly, Accessory Drive Kit, water pump, and balancer.*

## '62 FUELIE STYLE CRATE ENGINE

Our '62 Fuelie Style Crate Engine has the right combination of classic looks and modern performance to complement your early Corvette, Bel-Air, classic car, or muscle car. This Engine comes equipped with 495 horsepower, and it's available with Small Block Chevy Style Valve Covers in your choice of finish.

OPTIONS	PART NUMBER
Engine block painted orange, orange Small Block Chevy Style Valve Covers	GMLS9018
Engine block painted orange, cast finish Small Block Chevy Style Valve Covers	GMLS9017
Engine block unpainted, cast finish Small Block Chevy Style Valve Covers	GMLS9019

*Engine pictured includes optional Lokar dipstick assembly, Accessory Drive Kit, water pump, and balancer.*



## '63 FUELIE STYLE CRATE ENGINE

At 495 horsepower, our '63 Fuelie Style Crate Engine is a reliable modern powerplant with the right style to match your sixties muscle car, classic car or early Corvette. It's available with Small Block Chevy Style Valve Covers in your choice of finish.

OPTIONS	PART NUMBER
Engine block painted orange, cast finish Small Block Chevy Style Valve Covers	GMLS9020
Engine block painted orange, orange Small Block Chevy Style Valve Covers	GMLS9021
Engine block unpainted, cast Small Block Chevy Style Valve Covers	GMLS9022

*Engine pictured includes optional Lokar dipstick assembly, Accessory Drive Kit, water pump, and balancer.*





*Engine pictured includes optional Lokar dipstick assembly, Accessory Drive Kit, water pump, and balancer.*

## **HOT ROD STYLE CRATE ENGINE**

Go more retro with our period perfect “Hot Rod” crate engine. Designed for earlier styled hot rods and customs, this crate engine features finned aluminum valve covers and an oval air cleaner. With 495 HP, you’ll get all of the performance you need and still have the drivability and reliability of a modern-day LS engine.

**Please inquire regarding part numbers, options, and pricing.**



*Engine pictured includes optional Lokar dipstick assembly, Accessory Drive Kit, water pump, and balancer.*

## **FORD FE STYLE CRATE ENGINE**

Our Ford FE Style Crate Engine has the perfect old-school look to accent your classic Ford truck or car. It features “Powered By Ford” script Valve Covers in your choice of finish. With 495 horsepower, this Crate Engine will greatly improve the performance and reliability of your classic ride.

**Please inquire regarding part numbers, options, and pricing.**