



# LS3 BLACK LABEL HEAD - LARGE BORE

## BLACK LABEL 295CC LARGE BORE LS3

### BLACK LABEL - LS3 295CC 4.125"(+) BORE

#### AVAILABLE PART NUMBERS

CH-LSX-600190	- BARE HEAD (SINGLE)
CH-LSX-600191	- BARE HEAD (SINGLE) - JESEL PATTERN
CH-LSX-600211	- HEAD (PAIR) W/ STAINLESS STEEL VALVES
CH-LSX-600212	- HEAD (PAIR) W/ STAINLESS STEEL VALVES - JESEL
CH-LSX-600213	- HEAD (PAIR) W/ TALL STAINLESS STEEL VALVES, SOLID ROLLER
CH-LSX-600214	- HEAD (PAIR) W/ TALL STAINLESS STEEL VALVES, SOLID ROLLER, JESEL
CH-LSX-600238	- HEAD (PAIR) W/ TITANIUM INTAKE & STAINLESS STEEL EXHAUST
CH-LSX-600239	- HEAD (PAIR) W/ TITANIUM INTAKE & STAINLESS STEEL EXHAUST, JESEL
CH-LSX-600240	- HEAD (PAIR) W/ TITANIUM INTAKE & STAINLESS STEEL EXHAUST, SOLID ROLLER
CH-LSX-600241	- HEAD (PAIR) W/ TITANIUM INTAKE & STAINLESS STEEL EXHAUST, SOLID ROLLER, JESEL

## AIRFLOW CFM DATA

CH-LSX-600190 - LS3 295CC - 4.125"(+) BORE

Port Location	0.100	0.200	0.300	0.400	0.500	0.600	0.700
INTAKE	81	148	228	296	346	379	397
EXHAUST	60	109	151	200	225	239	248

## CYLINDER HEAD SPECS

### DIMENSION SPECS

- BORE SIZE: **4.125"**
- WEIGHT: **27.5 LBS.**
- INTAKE VALVE SIZE: **2.250"**
- EXHAUST VALVE SIZE: **1.600"**
- VALVE STEM DIA.: **5/16"**
- VALVE LENGTH: **5.450" STD, 5.550" TALL**
- VALVE ANGLE: **12°**
- VALVE SPRING POCKET DIA.: **1.650"**
- VALVE SPRING INSTALL HEIGHT: **1.800"**
- HEAD STUD SIZE: **.493"**
- VALVE GUIDE OD: **.565"**
- VALVE JOB TYPE: **NEWEN CNC 5 ANGLE**

### AIRFLOW SPECS

- CHAMBER SIZE: **70CC**
- INTAKE PORT VOLUME: **295CC**
- EXHAUST PORT VOLUME: **106CC**
- PORT TYPE: **CNC**

### MATERIAL SPECS

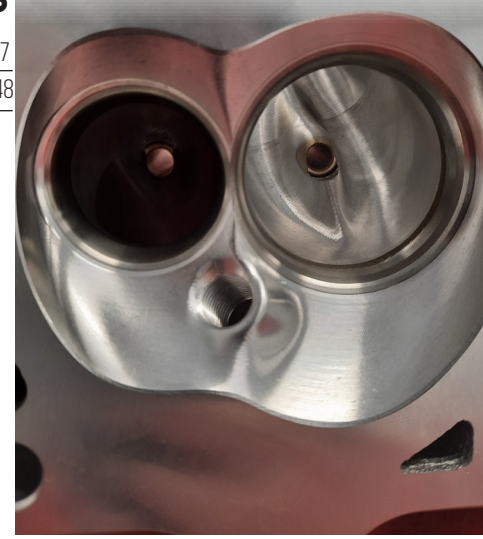
- CYLINDER HEAD MATERIAL: **A356-T6 ALUMINUM**
- INTAKE VALVE SEAT MATERIAL: **DUCTILE IRON**
- EXHAUST VALVE SEAT MATERIAL: **DUCTILE IRON**
- DECK THICKNESS: **.750"**
- ROCKER STAND TYPE: **MAST BILLET**
- ROCKER ARM TYPE: **OE LS7 1.8 OR AFTERMARKET**
- VALVE GUIDE MATERIAL: **PHOSPHOR BRONZE**

### GENERAL SPECS

- ROCKER STAND: **INCLUDED**
- ROCKER STAND DOWELS: **INCLUDED**
- USES STOCK ROCKER BOLTS? **NO**
- ROCKER BOLTS: **NOT INCLUDED**
- HEAD BOLT QTY.: **6 BOLT STYLE**
- VALVE COVER RAIL HEIGHT: **+1/2"**
- CAN USE OE VALVE COVER? **YES**

### CUSTOM OPTIONS AVAILABLE

- HEAD ASSEMBLY
- CHAMBER SOFTENING
- CUSTOM CHAMBER SIZING
- 1/2 HEAD STUD CLEARANCE
- COPPER INTAKE & EXHAUST VALVE SEATS



# CYLINDER HEAD ADD-ONS

## VALVE SPRING KITS

VS-LSX-100131 - PREMIUM DUAL VALVE SPRING & TITANIUM RETAINER KIT

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VS-LSX-100134 - DUAL VALVE SPRING & TITANIUM RETAINER KIT - 0.750 LIFT

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VS-UNV-100138 - DRAG RACE & MARINE 1.525 VALVE SPRING KIT - SOLID ROLLER LSX

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VS-UNV-100139 - DRAG RACE & MARINE 1.525 VALVE SPRING KIT - SOLID ROLLER LSX - POLISHED

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## ROCKER KITS

RK-LS7-600269 - LS7 ROCKER KIT W/ CHE TRUNNION & ROCKER BOLTS

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RK-LSX-981110 - JESEL ROCKER SYSTEM - LARGE BORE "INLINE PATTERN" - 1.7 RATIO

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RK-LSX-600303 - JESEL ROCKER SYSTEM - LARGE BORE "INLINE PATTERN" - 1.8 RATIO

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RK-LSX-600301 - JESEL SPORTSMAN STEEL ROCKER SYSTEM - LARGE BORE "INLINE PATTERN" - 1.7 RATIO

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RK-LSX-600302 - JESEL SPORTSMAN STEEL ROCKER SYSTEM - LARGE BORE "INLINE PATTERN" - 1.8 RATIO

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RK-LSX-981113 - JESEL SPORTSMAN STEEL ROCKER SYSTEM - LARGE BORE "JESEL PATTERN" - 1.7 RATIO

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RK-LSX-981114 - JESEL SPORTSMAN STEEL ROCKER SYSTEM - LARGE BORE "JESEL PATTERN" - 1.8 RATIO

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