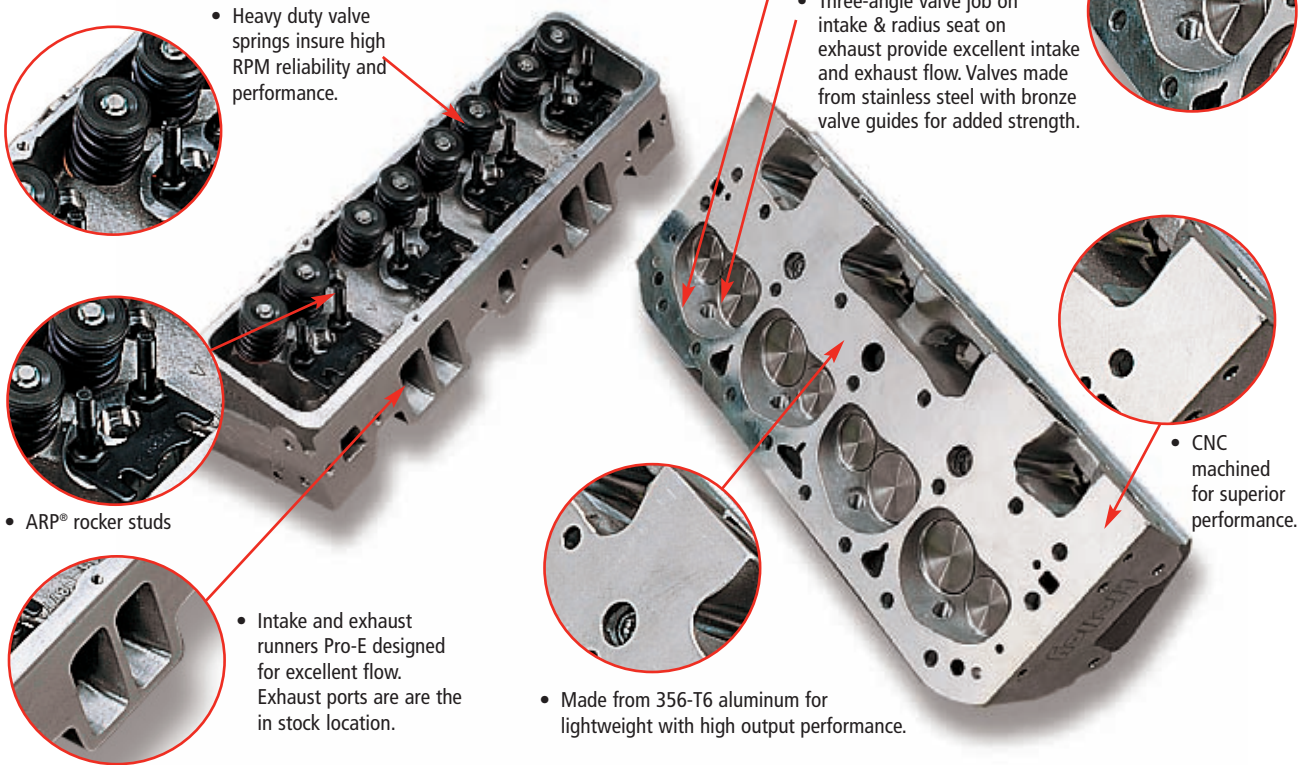


148 **CYLINDER HEADS - Chevy Small Block**

Small Block Chevrolet



Part #	Valve Angle	Intake Runner volume	Exhaust Runner volume	Combustion chamber volume	CFM flow @ .500" lift measured @ 28" H ₂ O		Intake Valve diameter	Exhaust Valve diameter	Spark Plug angle
					Intake	Exhaust			
300-552-1	20	184cc	68cc	68cc	223	173	2.02"	1.60"	straight

Deck thickness	Exhaust Port location	Heat Crossover passage?	Rocker Arm mounting	Rocker Stud diameter	Valve Guides	Valve Spring Installed Height	Maximum lift	Valve spring seat force	Aluminum head weight
.500"	stock	yes	stud	3/8"	bronze	1.780"	.600"	132 lbs	30 lbs.

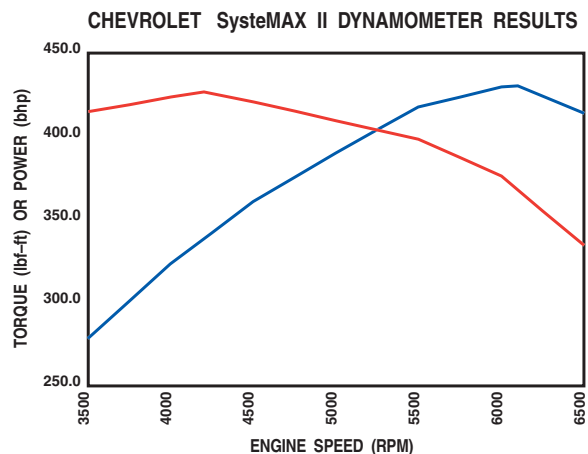
ARP cylinder head bolt kit: Holley # 301-35
 Cylinder head gaskets: Fel-Pro #1003 or equivalent
 Intake manifold gaskets: Fel-Pro #1205 or equivalent
 Exhaust manifold gaskets: Earl's # 29D03BERL or equivalent
 Valve cover gaskets: Earl's # 29E03BERL or equivalent

NOTE: Use Autolite Spark Plug: #3934 (race), #3924 (street)

425 HP @ 6150 RPM **425 LB/FT @ 4250 RPM**

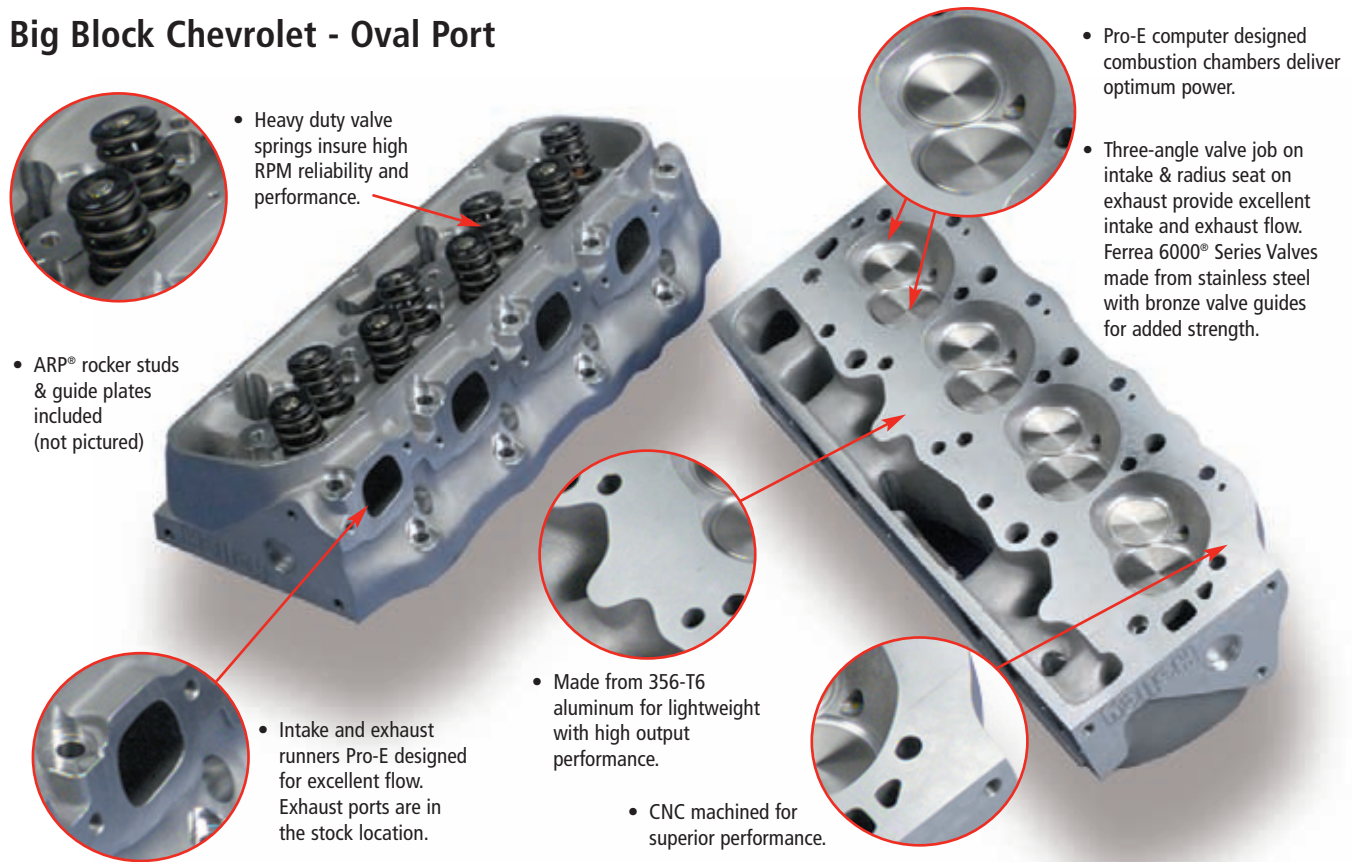
— POWER — TORQUE

NOTE: Following data run at 36 degrees BTDC timing



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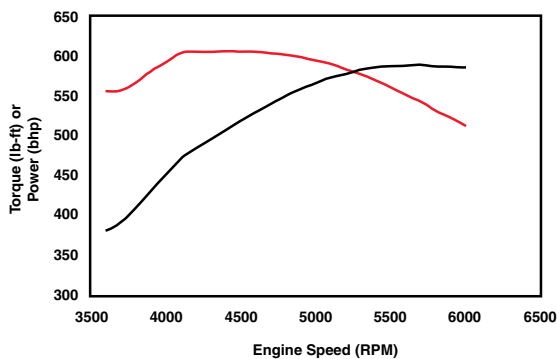
Big Block Chevrolet - Oval Port



Part #	Valve Angle	Intake Runner volume	Exhaust Runner volume	Combustion chamber volume	CFM flow @ .500" lift measured @ 28" H ₂ O		Intake Valve diameter	Exhaust Valve diameter	Spark Plug angle
					Intake	Exhaust			
300-556*	24.5	274cc	119cc	110cc	292	213	2.19"	1.88"	straight

Deck thickness	Exhaust Port location	Heat Crossover passage?	Rocker Arm mounting	Rocker Stud diameter	Valve Guides	Valve Spring Installed Height	Maximum lift	Valve spring seat force	Aluminum head weight
.563"	stock	yes	stud	7/16"	bronze	1.900"	.700"	130 lbs	38 lbs.

* Includes exhaust crossover for EGR or street use.



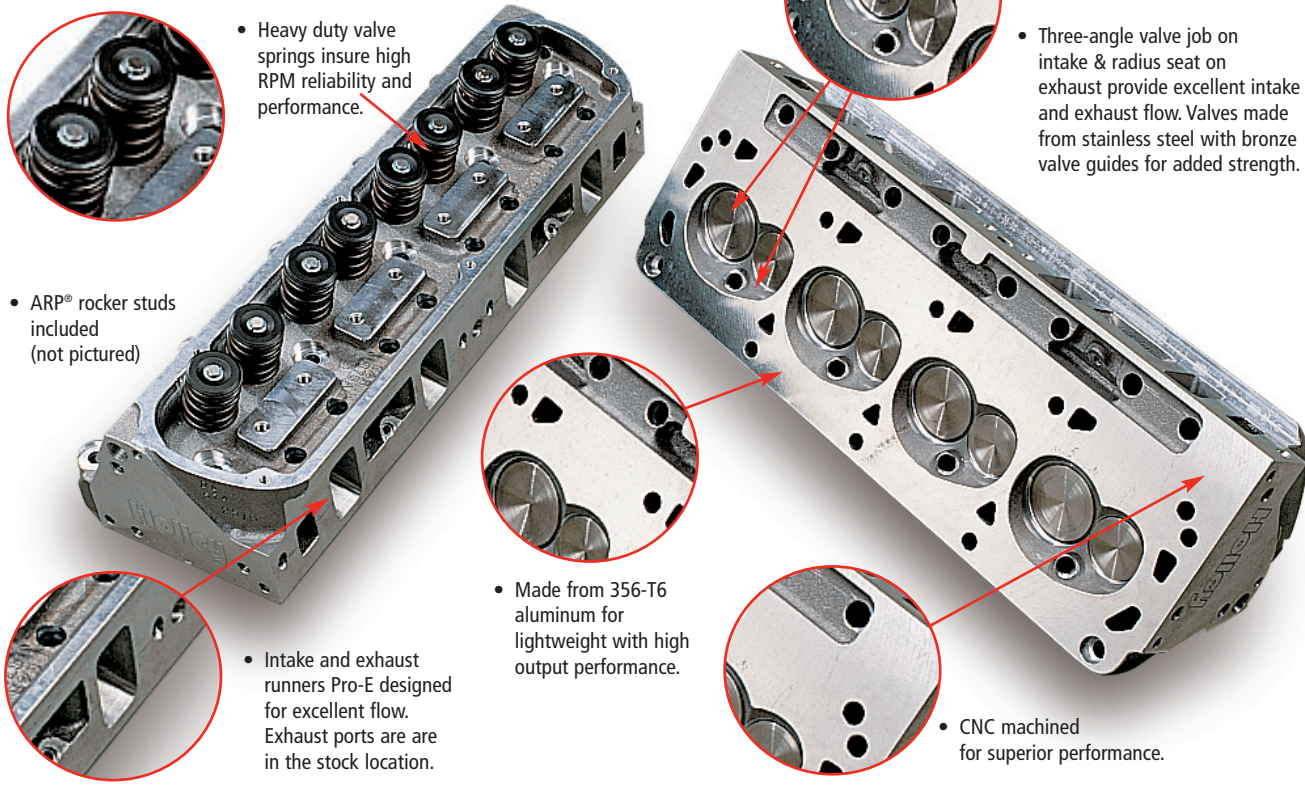
ARP cylinder head bolt kit: ARP # 135-3610
 Cylinder Head Gaskets: Fel-Pro #1017-1 or equivalent for Gen IV blocks
 Intake manifold gaskets: Fel-Pro #1212 or equivalent
 Exhaust manifold gaskets: Earl's # 29D04BERL or equivalent
 Valve cover gaskets: Earl's # 29E04BERL or equivalent

589 HP @ 5800 RPM **605 LB/FT @ 4400 RPM**
 — POWER — — TORQUE —
 Test engine: GM 502 short block

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150 CYLINDER HEADS - Ford Small Block

Small Block Ford



- Heavy duty valve springs insure high RPM reliability and performance.
- ARP® rocker studs included (not pictured)
- Intake and exhaust runners Pro-E designed for excellent flow. Exhaust ports are in the stock location.
- Made from 356-T6 aluminum for lightweight with high output performance.
- CNC machined for superior performance.
- Pro-E computer designed combustion chambers deliver optimum power.
- Three-angle valve job on intake & radius seat on exhaust provide excellent intake and exhaust flow. Valves made from stainless steel with bronze valve guides for added strength.

Part #	Valve Angle	Intake Runner volume	Exhaust Runner volume	Combustion chamber volume	CFM flow @ .500" lift measured @ 28" H ₂ O		Intake Valve diameter	Exhaust Valve diameter	Spark Plug angle
					Intake	Exhaust			
300-575	17	165cc	71cc	63cc	228	164	2.02"	1.60"	angled

Deck thickness	Exhaust Port location	Heat Crossover passage?	Rocker Arm mounting	Rocker Stud diameter	Valve Guides	Valve Spring Installed Height	Maximum lift	Valve spring seat force	Aluminum head weight
.500"	raised .100"	yes	stud	3/8"	bronze	1.780"	.600"	132 lbs	28 lbs.

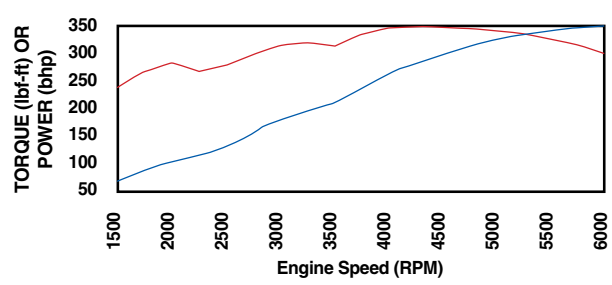
- ARP cylinder head bolt kit: Holley # 301-31
- Cylinder head gaskets: Fel-Pro #1011 or equivalent
- Intake manifold gaskets: Fel-Pro #1250 or equivalent
- Exhaust manifold gaskets: Earl's # 29D03AERL or equivalent
- Valve cover gaskets: Earl's # 29E03AERL or equivalent

NOTE: Use Autolite Spark Plug: #65

350 HP @ 5750 RPM
350 LB/FT @ 4000 RPM

— POWER — TORQUE

FORD SystemAX II Dynamometer Test Results



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