



Cylinder Heads • Engine Blocks • Intake Manifolds

The following information should be helpful in the installation of these heads.

Recommended Gaskets:

Head: 350 Block - Fel-Pro 1003
400 Block - Fel-Pro 1014

Intake: - Fel-Pro 1207

Exhaust: Std Exh - Fel-Pro 1406
Spread Exh - Fel-Pro 1409

Recommended Spark Plug:

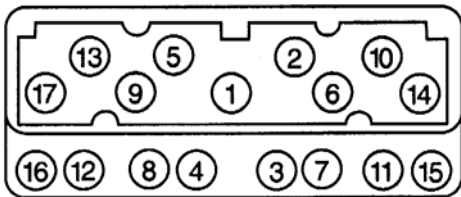
| | | |
|-------------|----------|---------------|
| .750" Reach | Gasketed | 5/8" Hex |
| Champion # | C59C | Std tip |
| | C59YC | projected tip |
| Autolite# | 3933 | Std tip |
| NGK# | 5671A-9 | |

Note: Always consult the manufacturer's catalog for correct heat range.

Torque Specifications:

| | |
|--------------------|----------|
| Head Bolts & Studs | 70 ft lb |
| Rocker Arm Studs | 45 ft lb |
| Manifold bolts | 35 ft lb |

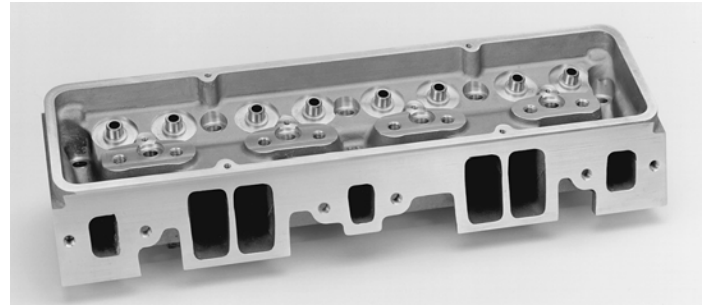
Torque Sequence:



Valve Springs on our assemblies:

Cam Type / OD / type / pres / install ht / max lift

| | | | |
|--------|----------|----------------------|-------|
| Solid | - 1.437" | dual, 135lb @ 1.800" | .620" |
| Roller | - 1.550" | dual, 195lb @ 1.900" | .700" |



220cc Aluminum Small Block Chevy Cylinder Heads

Dart Pro1 Aluminum cylinder heads are designed to produce optimum performance "Out of the Box". Several important features have been incorporated in the Pro1 heads. The finish and wall integrity are a result of the latest improved casting techniques. Bronze guides are a standard feature on all Pro1 heads. The latest technology in port design produces an "as cast" port that performs as if it were fully ported.

INTAKE MANIFOLDS



Dart Manifolds are found on race engines around the world. They are designed to develop maximum power for the intended purpose. The following single plane manifolds are designed specifically for the 220 heads:

| | | |
|----------------|-----------|------------|
| Part# 42311000 | 4150 carb | 9.025 deck |
| Part# 42321000 | 4500 carb | 9.025 deck |
| Part# 42312000 | 4150 carb | 9.325 deck |
| Part# 42322000 | 4500 carb | 9.325 deck |

PUSH RODS:

Standard length push rods should be used except with our 1.550" diameter roller cam springs. These valves are .100" longer and require longer pushrods. Length should always be measured before ordering. We stock one piece push rods made from 4130 chromoly, seamless tubing .080" wall thickness in .050" increments from 6" to 11".