

M-6049-SCJ SUPER COBRA JET CYLINDER HEAD – BARE Fits 429 and 460 ci engines (except BOSS 429)

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Please visit https://www.performanceparts.ford.com for warranty information

OVERVIEW:

CONTENTS/BILL OF MATERIALS:

PART #	DESCRIPTION	QUANTITY
M-6049-SCJ	Bare un-assembled cylinder head	1

FEATURES AND SPECIFICATIONS:

Head material A356 aluminum
Intake port location Stock Super Cobra Jet

Intake port volume 290 cc

Intake guide material Manganese-bronze

Intake valve stem diameter 11/32"

Intake valve seat material Ductile iron
Exhaust port location Stock Super Cobra Jet

Exhaust port volume 148 cc

Exhaust guide material Manganese-bronze

Exhaust valve stem diameter

Exhaust valve seat material

Combustion chamber volume

Valve guide clearance intake

Valve guide clearance exhaust

11/32"

Ductile iron

72 cc

0012-.0022"

Valve guide clearance intake

Valve guide clearance exhaust .0016-.0026"

Weight Approximately 32#

TYPICAL AIR FLOW

LIFT	INTAKE CFM	EXHAUST CFM
0.100	68.5	53.3615
0.200	134.1	95.59
0.300	197.5	131.93
0.400	264.3	167.455
0.500	317.4	187.8
0.600	324.1	195.625
0.700	324.1	203.45

Ford Factory Shop Manual purchase options www.motorcraftservice.com



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RECOMMENDED PARTS

Intake valve part numberM-6507-B429Exhaust valve part numberM-6505-A429Intake gasketFel-Pro 1231Exhaust gasketFel-Pro 1420Valve coversM-6582-C460

Engine block M-6010-A460X or M-460-A460XBB (Big bore version)

Harmonic damper M-6316-A521
Timing chain set M-6268-B429
Water pump M-8501-C460
Spark plugs AGSP32C

RECOMMENDED TORQUE VALUES

Head bolt 9/16-12 Head bolt torque is 135 lb*ft, torque in steps 70/105/135 lb*ft

Intake manifold 35lb*ft, torque in steps 20/35 lb*ft Exhaust manifold 35 lb*ft, torque in steps 20/35 lb*ft

Valve cover 8-10 lb*ft
Rocker studs 65 lb*ft
Spark plugs 10-12 lb*ft

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