

Brand:Speedmaster
Part Number: PCE281.1731
Part Type:Cylinder Heads

Cylinder Head Style:Bare
Cylinder Head Material:Aluminum
Cylinder Head Finish:Natural
Combustion Chamber Volume (cc):78 cc
CNC-Machined Combustion Chamber:Yes
Intake Runner Volume (cc): 325 cc
Exhaust Runner Volume (cc): n/a
CNC-Machined Intake Runner: Yes
CNC-Machined Exhaust Runner: Yes
Intake Port Shape: Rectangular
Intake Port Location: Standard
Exhaust Port Shape: Rectangular
Exhaust Port Location: Standard
Spark Plug Style: Standard
Comp. Valve Job: No
Intake Valves Included: No
Intake Valve Diameter (in): 2.200 in.
Exhaust Valves Included: No
Exhaust Valve Diameter (in): 1.810 in.
Valve Springs Included: No
Damper Spring Included: No
Retainers Included: No
Locks Included: No
Valve Stem Seals Included: No
Rocker Arm Studs Included: No
Rocker Arms Included: No
Rocker Arm Nuts Included: No
Guideplates Included: No
Valve Cover Mounting Style: Perimeter Bolt
Accessory Bolt Holes Drilled: Yes
Intake Valve Angle: Standard
Exhaust Valve Angle: Standard
Valve Guides Included: Yes
Valve Guide Material: Bronze
Valve Seats Machined: Yes
Valve Seat Machine Style: 3-angle
Valve Seat Material: Ductile iron
Steam Holes Drilled: No
Oiling Style: Through pushrod
Machined for O-Ring: No
Heat Crossover: No
Quantity:Sold individually.
Calculator[Compression Calculator](#)

All Speedmaster alloy cylinder heads are made using a superior (gravity die) cast process. These heads are flow tested on a Superflow SF600 at 28 inches with a 1/2 inch radius intake plate and short stack exhaust tube.

INTAKE / EXHAUST GASKETS

4-cyl. 2.2 / 2.5:

Intake / Exhaust - MS90947

Chrysler 400:

Intake - Fel Pro 1216

Exhaust - Fel Pro 1414

(May need a small amount of trimming)

Chrysler 318 - 360: (PCE281.1773) Cast Iron

Intake - Mopar #4876049

Exhaust - Mopar #MS95480

Chrysler 318 - 360: (PCE281.1654) Aluminum

Intake - PCE349.1010 or FelPro 1213
Exhaust - SM3275 or Felpro 1413

HEAD GASKETS

The PCE281.1776 4-cyl. head is designed around an OEM head gasket. Use Mopar # P4452006. We recommend you use Fel Pro head gaskets under our Speedmaster PCE281.1728, PCE281.1731 & PCE281.1733 heads. Use Fel Pro #1009 or 1105 (big bore) On Speedmaster PCE281.1773 we recommend the Fel Pro #519SD (on Magnum Engines), or #1008 (on LA-series Engines). For the new Speedmaster PCE281.1654 Aluminum heads, we only recommend using Speedmaster PCE348.1010 or Felpro #1008 head gaskets.

HEAD BOLTS / STUDS

For the PCE281.1776 4-cyl. head, use ARP #241-3701 (bolts) or #241-4701 (studs), and follow ARP's recommended torque values. Also, make sure you follow the OEM torque sequence! For the PCE281.1728, PCE281.1731 and PCE281.1733 use Speedmaster head stud kit PCE279.1018. Torque to 65lbs. using high pressure Moly lube on the threads and under the heads. The Arp #'s for the Big Block 440 heads are #145-3609 (bolts) and #145-4206 (studs) For the Small Block Chrysler heads, use Speedmaster PCE279.1017 head stud kit and torque the heads to 65lbs with Moly Lube.

SPARKPLUGS

For the 4-cyl. Chrysler head, use the following: Autolite 65, or AP65 Champion RN12YC or 3405 NGK GR4 or GR4GP

For the V8 Chrysler heads, the following is a small list of spark plugs you can use: NGK - BCPR6ES, R5671A-7, R5671A-8 Autolite - 3923, 3924, AR3933, AR3934 Champion - RC12YC, RC10YC4, RC9YC3

Remember that you need a COLDER plug when you make more power, ie. N2O, turbo and Supercharging