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**Overview** Created: Jan 15, 1993 Edited: Apr 16, 2018

<b>VEHICLE TYPE</b> Car/Truck	<b>FUEL TYPE</b> Gas	<b>ENGINE CODE</b>
<b>MAKE</b> CHEVROLET	<b>MODEL</b> CAPRICE	<b>YEAR</b> 1976-1979
<b>BORE/STROKE</b> 4.2500" (107.950 MM) 4.000" (101.600 MM)	<b>VIN S</b>	<b>LITER</b> 7.4
<b>COMPRESSION RATIO</b> 7.9:1 RATIO		<b>CID</b> 454
<b>COMMENT</b> GEN IV, 4BC		<b>CYL</b> V 8
		<b>FIRING ORDER</b> 1-8-4-3-6-5-7-2
		<b>INTFR</b> Unkown

### Cylinder Block

#### Cylinder Block

##### Description

##### Specifications

Cylinder Bore Diameter	4.2500" (107.950 MM)
Torque Plate	
Cylinder Bore Finish	
Deck Height	9.800" (248.92 MM)
Measured At	C/MAIN-DECK
Surface Finish	
Main to Cam Bore Distance	5.152" (130.861 MM)
Main to Pan Rail Distance	
Bore Center to Center	4.840" (122.936 MM)
Lifter Bore Diameter	.8435-.844" (21.424-21.437 mm) C-C 1.800" (45.72 MM)
Main Saddle Width	
Comments	

### Piston

##### Description

##### Specifications

Compression Height	1.665" (42.291 MM)
Piston Protrusion	.0002-.0007" (.005-.018 MM)
Skirt Oil Clearance	.003-.004" (.076-.102 MM)
Piston to Rod Assembly Orientation	ROD BEARING TANGS TOWARDS THE OUTSIDE
Piston Pin Diameter	.9895-.9897" (25.133-25.138 MM)
Piston Pin Type	LOCK
Piston Pin Bore Diameter	.0002-.0004" CLR (.005-.01 MM)
Piston Ring Gap	TOP & 2ND .010-.020", OIL .015-.055"

### Housing Bore

##### Description

##### Specifications

Main Bore Diameter	2.9370-2.9380" (74.6-74.625 MM)
Seal Bore Diameter	3.120-3.122" (79.248-79.299 MM)

~~1-11111~~ Main Cap Bolts

Torque 90-100# w/oil

Camshaft Bore Diameter	1 - 2.1395-2.1405" (54.343-54.369 MM) -
	2 & 5 - 2.1295-2.1305" (54.089-54.115 MM) -
	3 & 4 - 2.1195-2.1205" (53.835-53.861 MM) -
Auxiliary Shaft Bore Diameter	- -
Balance Shaft Bore Diameter	- -

**Cylinder Sleeve**

**Description Specifications**

- Sleeve Protrusion
- Sleeve Flange Outside Diameter
- Sleeve Fit
- Sleeve Flange Height
- Sleeve Upper Fit Diameter
- Sleeve Bottom Fit Diameter

**Cylinder Block Lower Bore Specifications**

- Depth
- Inside Diameter
- Fit

**Cylinder Block Counter/Upper Bore Specifications**

- Depth
- Lower Bore Depth Diameter
- Spacer/Deck Plate Thickness
- Outside Diameter