



Chevrolet Big Block V-8

| ENGINE CID | ENGINE LITERS | CYL. | YEARS | INTAKE SET | | EXHAUST SET | | VALVE COVER SET | | |
|-------------------------|---------------|------|---------|---------------|-----------------------|-------------|------------|---------------------------|------------|---|
| | | | | PERF. | ULTRA SEAL | PERF. | ULTRA SEAL | PERF. | ULTRA SEAL | |
| 396, 402 Gen IV | 6.5-6.6 | 8 | 1965-72 | 107 Oval Port | 5827 Oval Port | 153 | 5910 | 177 5854G ⁽³⁹⁾ | 5862 | 1 |
| 396, 402 Hi-Perf Gen IV | 6.5-6.6 | 8 | 1965-72 | 108 Rec. Port | 5828 Rec. Port | 153 | 5910 | 177 5854G ⁽³⁹⁾ | 5862 | 2 |
| 427, 454 Gen IV | 6.5-7.5 | 8 | 1965-90 | 107 Oval Port | 5827 Oval Port | 153 | 5910 | 177 5854G ⁽³⁹⁾ | 5862 | 3 |
| 427, 454 Hi-Perf Gen IV | 6.5-7.5 | 8 | 1965-90 | 108 Rec. Port | 5828 Rec. Port | 153 | 5910 | 177 5854G ⁽³⁹⁾ | 5862 | 4 |
| 454- 502 Gen V, VI | 7.5-8.2 | 8 | 1991-00 | | 4672G ⁽⁴³⁾ | 153 | 5910 | 177 5854G ⁽³⁹⁾ | 5862 | 5 |

(2) cork/rubber material (3) composition material (16) mountain motor 9 mounting bolt holes (23) composite material (37) bulk each
 (38) individually packaged (39) molded rubber 1 piece (41) aluminum carrier-molded rubber insert (42) composite material
 (43) made from ultra-seal III material

CYLINDER HEAD GASKET APPLICATIONS AND SPECIFICATIONS

Chevrolet Big Block V-8

| Mr. Gasket Head Gaskets | | | | | | | |
|-------------------------|---------------|------|---------|-----------------------|-------------|----------------------|----------------------|
| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | GASKET BORE | COMPRESSED THICKNESS | PART NO. |
| 396-454 Gen IV | 6.5-7.5 | 8 | 1965-90 | Steel Shim - Embossed | 4.370" | .020" | 1131 |
| 396-454 Gen IV | 6.5-7.5 | 8 | 1965-90 | Copper (Dead Soft) | 4.320" | .043" | 1055 ⁽⁴⁵⁾ |
| 396-454 Gen IV | 6.5-7.5 | 8 | 1965-90 | Copper (Dead Soft) | 4.500" | .043" | 5362 ⁽⁴⁵⁾ |
| 396-454 Gen IV | 6.5-7.5 | 8 | 1965-90 | Copper (Dead Soft) | 4.600" | .043" | 5363 ⁽⁴⁵⁾ |
| 396-454 Gen IV | 6.5-7.5 | 8 | 1965-90 | Copper (Dead Soft) | 4.620" | .043" | 5367 ⁽⁴⁵⁾ |

Note: Most head gaskets are packaged 2 per set, astrisk (*) designates individually packaged.

⁽⁴⁵⁾ o-rings are recommended to seal combustion pressure, high temp RTV red silicone is recommended to seal coolant ports in copper head gaskets.

Ultra-Seal Head Gaskets

| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | GASKET BORE | COMPRESSED THICKNESS | PART NO. |
|--------------------|---------------|------|---------|--|-------------|----------------------|----------|
| 396-454 Gen IV | 6.5-7.5 | 8 | 1965-90 | Flexible Graphite Core, Elastomer Coated | 4.520" | .038" | 5802 |
| 454, 502 Gen V, VI | 7.5-8.2 | 8 | 1991-99 | Flexible Graphite Core, Elastomer Coated | 4.520" | .038" | 5804 |

Note: Most head gaskets are packaged 2 per set, astrisk (*) designates individually packaged.



Chevrolet Big Block V-8

| OIL PAN SET | | | | | | | |
|-------------|--|------------|----------------|----------------|-------------------|---|---|
| | PERF. | ULTRA SEAL | CAM CHANGE KIT | REAR MAIN SEAL | TIMING COVER SEAL | TIMING COVER | WATER OUTLET |
| 1 | 192 ⁽²⁾ 195 ⁽¹⁶⁾ , 197 ⁽²³⁾ , 6663G ⁽³⁹⁾ | 5883 | 4405 | 1969 | 17 | 90A ⁽²⁾ 94 ⁽⁴²⁾ 4794G ⁽⁴³⁾ | 740 ⁽³⁷⁾ 740C ⁽³⁸⁾ 738G ⁽⁴¹⁾ |
| 2 | 192 ⁽²⁾ 195 ⁽¹⁶⁾ , 197 ⁽²³⁾ , 6663G ⁽³⁹⁾ | 5883 | 4404 | 1969 | 17 | 90A ⁽²⁾ 94 ⁽⁴²⁾ 4794G ⁽⁴³⁾ | 740 ⁽³⁷⁾ 740C ⁽³⁸⁾ 738G ⁽⁴¹⁾ |
| 3 | 192 ⁽²⁾ 195 ⁽¹⁶⁾ , 197 ⁽²³⁾ , 6663G ⁽³⁹⁾ | 5883 | 4405 | 1969 | 17 | 90A ⁽²⁾ 94 ⁽⁴²⁾ 4794G ⁽⁴³⁾ | 740 ⁽³⁷⁾ 740C ⁽³⁸⁾ 738G ⁽⁴¹⁾ |
| 4 | 192 ⁽²⁾ 195 ⁽¹⁶⁾ , 197 ⁽²³⁾ , 6663G ⁽³⁹⁾ | 5883 | 4404 | 1969 | 17 | 90A ⁽²⁾ 94 ⁽⁴²⁾ 4794G ⁽⁴³⁾ | 740 ⁽³⁷⁾ 740C ⁽³⁸⁾ 738G ⁽⁴¹⁾ |
| 5 | 6664G ⁽³⁹⁾ | | | 34G | 17 | | |

SEE PAGES 135-136 FOR MODIFIED PORT APPLICATIONS

SEE PAGES 132-134 FOR HEAD GASKET APPLICATIONS

CYLINDER HEAD GASKET APPLICATIONS AND SPECIFICATIONS

Chevrolet Big Block V-8 (Cont.)

| Solitor Head Gaskets | | | | | | | | |
|---|---------------|------|---------|--|-------------|----------------------|----------------------|--|
| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | GASKET BORE | COMPRESSED THICKNESS | PART NO. | |
| 500 Gen IV | 8.2 | 8 | N/A | Solid Steel Core, Steel Wire Ring Encased In Stainless Steel Combustion Flange Chevrolet, Olds, Pontiac | 4.620" | .051" | 5735 | |
| Note: Most head gaskets are packaged 2 per set, astrisk (*) designates individually packaged. | | | | | | | | |
| Mr. Gasket Head Gaskets | | | | | | | | |
| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | GASKET BORE | COMPRESSED THICKNESS | PART NO. | |
| 396-454 Gen IV | 6.5-7.5 | 8 | 1965-90 | Steel Shim - Embossed | 4.370" | .020" | 1131 | |
| 396-454 Gen IV | 6.5-7.5 | 8 | 1965-90 | Copper (Dead Soft) | 4.320" | .043" | 1055 ⁽⁴⁵⁾ | |
| 396-454 Gen IV | 6.5-7.5 | 8 | 1965-90 | Copper (Dead Soft) | 4.500" | .043" | 5362 ⁽⁴⁵⁾ | |
| 396-454 Gen IV | 6.5-7.5 | 8 | 1965-90 | Copper (Dead Soft) | 4.600" | .043" | 5363 ⁽⁴⁵⁾ | |
| 396-454 Gen IV | 6.5-7.5 | 8 | 1965-90 | Copper (Dead Soft) | 4.620" | .043" | 5367 ⁽⁴⁵⁾ | |
| Note: Most head gaskets are packaged 2 per set, astrisk (*) designates individually packaged. (45) o-rings are recommended to seal combustion pressure, high temp RTV red silicone is recommended to seal coolant ports in copper head gaskets. | | | | | | | | |
| Ultra-Seal Head Gaskets | | | | | | | | |
| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | GASKET BORE | COMPRESSED THICKNESS | PART NO. | |
| 396-454 Gen IV | 6.5-7.5 | 8 | 1965-90 | Flexible Graphite Core, Elastomer Coated | 4.520" | .038" | 5802 | |
| 454, 502 Gen V, VI | 7.5-8.2 | 8 | 1991-99 | Flexible Graphite Core, Elastomer Coated | 4.520" | .038" | 5804 | |
| Note: Most head gaskets are packaged 2 per set, astrisk (*) designates individually packaged. | | | | | | | | |

CYLINDER HEAD GASKET APPLICATIONS AND SPECIFICATIONS

Chevrolet Big Block V-8

| MLS (Multi-Layered Steel) Head Gaskets | | | | | | | |
|--|---------------|------|---------|--|-------------|----------------------|----------|
| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | GASKET BORE | COMPRESSED THICKNESS | PART NO. |
| 396-454 Gen IV | 6.5-7.5 | 8 | 1965-90 | Nitrile Coated Outer Layers - Embossed, W/Steel Inner Spacer | 4.370" | .040" | 3150G * |
| 396-454 Gen IV | 6.5-7.5 | 8 | 1965-90 | Nitrile Coated Outer Layers - Embossed, W/Steel Inner Spacer | 4.540" | .040" | 3151G * |
| 396-454 Gen IV | 6.5-7.5 | 8 | 1965-90 | Nitrile Coated Outer Layers - Embossed, W/Steel Inner Spacer | 4.620" | .040" | 3152G * |
| 454, 502 Gen V, VI | 7.5-8.2 | 8 | 1991-99 | Nitrile Coated Outer Layers - Embossed, W/Steel Inner Spacer | 4.370" | .040" | 3156G * |
| 454, 502 Gen V, VI | 7.5-8.2 | 8 | 1991-99 | Nitrile Coated Outer Layers - Embossed, W/Steel Inner Spacer | 4.540" | .040" | 3157G * |
| 454, 502 Gen V, VI | 7.5-8.2 | 8 | 1991-99 | Nitrile Coated Outer Layers - Embossed, W/Steel Inner Spacer | 4.620" | .040" | 3158G * |

Note: Most head gaskets are packaged 2 per set, astrisk (*) designates individually packaged.

| PERFORMANCE OVERHAUL GASKET KITS | | | | |
|----------------------------------|---------------|-----|---------|--------------------------|
| Chevrolet Big Block V-8 | | | | |
| ENGINE CID | ENGINE LITERS | CYL | YEARS | OVERHAUL KITS |
| | | | | ULTRA SEAL |
| 396, 402 Gen IV | 6.5-6.6 | 8 | 1965-72 | 5996 Oval Port |
| 396, 402 Hi-Perf Gen IV | 6.5-6.6 | 8 | 1965-72 | 5995 Rect Port |
| 427, 454 Gen IV | 7.0-7.5 | 8 | 1966-90 | 5996 Oval Port |
| 427, 454 Hi-Perf Gen IV | 7.0-7.5 | 8 | 1966-90 | 5995 Rect Port |

WATER OUTLET GASKET - EDGE MOLDED RUBBER

- Made from 1/8" thick aluminum carrier for stability and incorporates a Viton edge molded rubber seal around thermostat opening and mounting bolt holes to ensure a tight leak-proof fluid seal
- Also seals surface irregularities between intake manifold and water outlet housing
- Does not require gasket sealer for installation and is re-usable

Chevrolet V8 265-400 1955-88

Chevrolet V8 396-454 1965-90 **738G**

| DISTRIBUTOR GASKET | | | | |
|----------------------------|---------------|---------|----------------|----------|
| Chevrolet V8 & V6 | | | | |
| ENGINE CID | ENGINE LITERS | YEAS | DESCRIPTION | PART NO. |
| All V8 & V6 (90 Degree) | 2.8-7.4 | 1955-91 | 10 pcs per set | 6199 |



738G▲

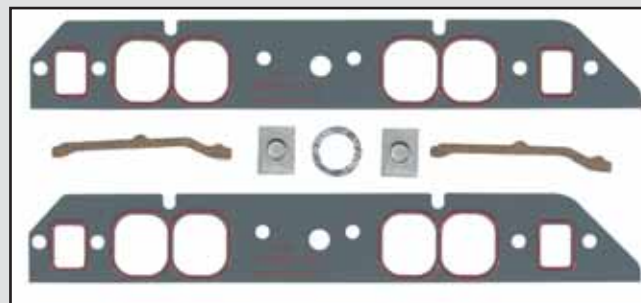
INTAKE GASKET SPECIFICATIONS AND MODIFIED PORT APPLICATIONS

Chevrolet Big Block V-8

| STOCK AND PERFORMANCE CYLINDER HEADS | | | | | | | | | |
|---|---------------|------|---------|-------------|-----------------|-----------------|------------|------------|----------------|
| CONVENTIONAL PORT AND BOLT HOLE LOCATIONS | | | | | | | | | |
| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | APPLICATION | PORT DIMENSIONS | INTAKE SET | | |
| | | | | | | | PERF. | ULTRA SEAL | ULTRA SEAL III |
| 396-454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 1/16" Thick | Oval Stock Port | 1.75W x 2.16H | 107 | 5827 | 4670G |
| 396-454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 1/8" Thick | Oval Stock Port | 1.75W x 2.16H | 117 | | |
| 396-454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 1/16" Thick | Rect Stock Port | 1.75W x 2.50H | 108 | 5828 | 4671G |
| 396-454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 1/8" Thick | Rect Stock Port | 1.75W x 2.50H | 110 | 5818 | |
| 454 Gen V | 7.4 | 8 | 1991-95 | 1/16" Thick | Oval Stock Port | 1.75W x 2.00H | | | 4672G |

| PERFORMANCE CYLINDER HEADS | | | | | | | | | |
|---|---------------|------|---------|-------------|-------------------------------------|----------------------------|------------|------------|----------------|
| NON-CONVENTIONAL PORT AND BOLT HOLE LOCATIONS | | | | | | | | | |
| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | APPLICATION | PORT DIMENSIONS | INTAKE SET | | |
| | | | | | | | PERF. | ULTRA SEAL | ULTRA SEAL III |
| 396-454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 1/16" Thick | Rect Raised Port | 1.85 W x 2.55H | 121 | 5817 | 4675G |
| 396-454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 1/8" Thick | Rect Raised Port | 1.85 W x 2.55H | 122 | 5819 | |
| 396-454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 1/16" Thick | Dart Big Chief | 1.83W x 2.43H | 420 | | |
| 396-454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 1/16" Thick | Dart Big "M" | 1.84W x 2.80H | 425 | | |
| 396-454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 1/16" Thick | Rect Raised Port | 1.86W x 2.83H | 127 | | |
| 396-454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 1/8" Thick | Rect Raised Port | 1.86W x 2.83H | 128 | | |
| 396-454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 1/16" Thick | Pontiac Super Duty, Brodix Big Duke | 1.78W x 2.45H, Spread Port | 510 | | |
| 396-454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 1/8" Thick | Pontiac Super Duty, Brodix Big Duke | 1.78W x 2.45H, Spread Port | 511 | | |

Note: Intake gaskets listed above fit aftermarket intake manifolds without upper mounting bolt holes.



5827▲

EXHAUST GASKET SPECIFICATIONS AND MODIFIED PORT APPLICATIONS

Chevrolet Big Block V-8

| Performance Exhaust Gaskets | | | | | | |
|--|---------------|------|---------|---|-----------------|-------------------|
| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | PORT DIMENSIONS | PERF. NO. |
| 396-502 | 6.5-8.2 | 8 | 1965-99 | Square Port, Stock Cast Iron Heads Gen IV, V, VI, Most Brodix, Dart, World Products Heads | 1.85W x 1.90H | 153 |
| 396-454 | 6.5-7.4 | 8 | 1965-90 | Round Port, Cast Iron/Aluminum | 1.92 Dia. | 152 |
| 396-454 | 6.5-7.4 | 8 | 1965-90 | Round Port, Large Race | 2.15 Dia. | 152A |
| 396-454 | 6.5-7.4 | 8 | 1965-90 | Square Port, Large Race | 2.09W x 2.09H | 154 |
| Ultra-Seal Exhaust Gaskets | | | | | | |
| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | PORT DIMENSIONS | ULTRA SEAL |
| 396-502 | 6.5-8.2 | 8 | 1965-99 | Square Port, Stock Cast Iron Heads Gen IV, V, VI, Most Brodix, Dart, World Products Heads | 1.85W x 1.90H | 5910 |
| 396-454 | 6.5-7.4 | 8 | 1965-90 | Round Port, Cast Iron/Aluminum | 1.92 Dia. | 5911 |
| 396-454 | 6.5-7.4 | 8 | 1965-90 | Round Port, Large Race | 2.15 Dia. | 5912 |
| 396-454 | 6.5-7.4 | 8 | 1965-90 | Square Port, Large Race | 2.09W x 2.09H | 5913 |
| 396-454 | 6.5-7.4 | 8 | N.A. | Round Port, Chevrolet, Pontiac, Oldsmobile, 4.840" Bore Center W/BB Chev. Bolt Pattern | 2.40 Dia. | 5914 |
| 500-700 | 8.2-11.5 | 8 | N.A. | Round Port, GM 5.00" Bore Center W/BB Chev Bolt Pattern | 2.40 Dia. | 5947 |
| Copperseal Exhaust Gaskets | | | | | | |
| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | PORT DIMENSIONS | COPPER SEAL |
| 396-502 | 6.5-8.2 | 8 | 1965-99 | Square Port, Stock Cast Iron Heads Gen IV, V, VI, Most Brodix, Dart, World Products Heads | 1.85W x 1.90H | 7158 |
| 396-454 | 6.5-7.4 | 8 | 1965-90 | Round Port, Cast Iron/Aluminum | 1.92 Dia. | 7157 |
| Embossed Aluminum Exhaust Gaskets | | | | | | |
| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | PORT DIMENSIONS | EMBOSSED ALUMINUM |
| 396-502 | 6.5-8.2 | 8 | 1965-99 | Square Port, Stock Cast Iron Heads Gen IV, V, VI, Most Brodix, Dart, World Products Heads | 1.85W x 1.90H | 7158A |
| 396-454 | 6.5-7.4 | 8 | 1965-90 | Round Port, Cast Iron/Aluminum | 1.92 Dia. | 7157A |
| Aluminum Multi-Layered Exhaust Gaskets | | | | | | |
| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | PORT DIMENSIONS | ALUMINUM LAYERED |
| 396-454 | 6.5-7.4 | 8 | 1965-90 | Round Port, Cast Iron/Aluminum | 1.92 Dia. | 7407G |

EXHAUST GASKET SPECIFICATIONS AND MODIFIED PORT APPLICATIONS

Chevrolet Big Block V-8

| MLS (Mult-Layered Stainless Steel) Embossed Exhaust Gaskets | | | | | | |
|---|---------------|------|---------|--|-----------------|--------------------------|
| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | PORT DIMENSIONS | EMBOSSED STAINLESS STEEL |
| 396-502 | 6.5-8.2 | 8 | 1965-99 | Square Port, Stock Cast Iron Heads, Gen IV, V, VI, Most Brodix, Dart, World Products Heads | 1.85W x 1.90H | 4816G |
| 396-454 | 6.5-7.4 | 8 | 1965-90 | Round Port, Cast Iron/Aluminum | 1.92 Dia. | 4815G |

VALVE COVER GASKET APPLICATIONS AND SPECIFICATIONS

| STOCK AND PERFORMANCE CYLINDER HEADS | | | | | | |
|---|---------------|------|---------|---------------------------------------|-----------------------|------------|
| CONVENTIONAL PORT AND BOLT HOLE LOCATIONS | | | | | | |
| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | PERF. | ULTRA SEAL |
| 396, 454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 3/16" Thick w/Locating Tabs | 177 | 5862 |
| 396, 454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 3/16" Extra Thick w/o Locating Tabs | 5854G ⁽³⁹⁾ | |
| 396, 454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 5/16" Extra Thick w/Locating Tabs | 182 | 5863 |
| 396, 454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 1/4" Thick with Steel Core, Laminated | 5856 | |

⁽³⁹⁾ Molded Rubber

| PERFORMANCE CYLINDER HEADS | | | | | | |
|---|---------------|------|---------|--|-------|--|
| NON-CONVENTIONAL PORT AND BOLT HOLE LOCATIONS | | | | | | |
| ENGINE CID | ENGINE LITERS | CYL. | YEARS | DESCRIPTION | PERF. | |
| 396, 454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 1/16" Thick with Steel Core, Fits Dart Big Chief, Pontiac Super Duty, Brodix Big Duke | 577 | |
| 396, 454 Gen IV | 6.5-7.4 | 8 | 1965-90 | 1/4" Thick with Steel Core, Fits Dart Big Chief, Pontiac Super Duty, Brodix Big Duke, 8 Bolt | 5872 | |

5854G ▶

