

IGNITION AND ELECTRONICS .06



MOPAR PERFORMANCE TERMS AND CONDITIONS



NOTICE

Federal and many state laws prohibit the removal, modification or rendering inoperative of any part or element of design affecting emissions or safety on motor vehicles used for transporting persons or property on a public street or highway. Violation may result in a fine of up to \$32,500 per vehicle. Mechanical and/or electronic performance parts listed in this catalog with a "1" cannot be used on vehicles used on public streets or highways.

These parts may be used only on vehicles used solely in sanctioned off-highway events. No other applications are intended or implied. Those parts that have been granted an exemption by the California Air Resources Board (CARB) or meet the EPA requirements of memorandum 1A are legal for highway use in California, New York, and Massachusetts and are noted as such.

NO PARTS WARRANTY – "AS IS"

Mopar Performance parts beginning with a "P" prefix are sold "as is" unless otherwise noted. This means that parts sold by Mopar Performance carry no warranty whatsoever. Implied warranties, such as warranties of merchantability, are excluded. (An implied warranty of merchantability means that the part is reasonably fit for the general purpose for which it was sold). The entire risk as to quality and performance of such parts is with the buyer. Should such parts prove defective following their purchase, the buyer and not the manufacturer, distributor or retailer, assumes the entire cost of all necessary servicing or repair. Chrysler, Jeep®, Dodge and Ram vehicle and parts warranties are voided if the vehicle or parts are used for competition. The addition of performance parts does not by itself void a vehicle's warranty. However, added performance parts (parts not originally supplied on the vehicle from the factory) are not covered by the vehicle's warranty, and any failure that they may cause is also not covered by the vehicle's warranty.

MOPAR PERFORMANCE CRATE ENGINE 90-DAY LIMITED WARRANTY

Mopar Performance Crate Engine Assemblies not used in competition are warranted for "parts only," AS DELIVERED against defects in materials or workmanship for 90 days from the date of purchase. The following parts, if defective, will be replaced on an exchange basis for 90 days: engine blocks and all internal parts; cylinder head assemblies; intake manifold; core plugs; valve covers; oil pan; timing gear; water pump; gaskets and seals. See your dealer for a copy of the limited warranty, which contains additional terms and limitations.

MOPAR PARTS 12-MONTH LIMITED WARRANTY

Except parts as listed above, certain parts from Mopar Performance sold over the counter or wholesaled are warranted against defects in workmanship or materials for 12 months/unlimited miles for parts (exchange) only. These parts are identified in this catalog as having a specific part number structure. Part numbers starting with "P" are not covered under the 12-month warranty. Other parts listed in this catalog without a "P" prefix part number are covered under the 12-Month Limited Warranty described here. See your dealer for a copy of the limited warranty, which contains additional terms and limitations. Parts installed on a Chrysler, Plymouth, Jeep®, Dodge and Ram vehicle by an authorized Chrysler, Jeep®, Dodge and Ram dealer are warranted for 12 months/unlimited miles for parts (exchange) only. See your dealer for a copy of the limited warranty, which contains additional terms and limitations.

EMISSIONS STATEMENT

Federal law requires emissions parts on new vehicles to be warranted for at least two years or 24,000 miles, whichever comes first. Federal and many state laws also prohibit the removal, modification or rendering inoperative any part that affects emissions or safety on motor vehicles used on public streets or highways. Many Mopar Performance parts are designated for track use or off-road use only. Installation of certain components may bring the vehicle out of compliance with safety and/or emissions standards. Mopar recommends that vehicles with parts designated in this fashion not be operated on public roads. Mopar Performance customers are responsible for complying with applicable state and local environmental regulations. Additionally, certain performance parts may affect the emissions characteristics of the vehicle. If you install them on the vehicle, and your vehicle consequently fails a required state or local I/M (inspection and maintenance) emissions test, including any test required to maintain or renew your vehicle's registration, or if your vehicle is subject to an emissions recall, Chrysler Group LLC may not be required to repair your vehicle under the emissions performance warranty, and you may be required to remove those parts at your own expense in order to obtain repairs necessary to pass the I/M test or to perform the recall.

NOTE — CALIFORNIA ONLY

The emissions laws and regulations of the state of California apply to all non-racing vehicles operated in California. Consequently, those parts marked in this catalog with a "1" and appropriately marked on their packaging may legally be used in California only on a racing vehicle that will never be operated on public roads.

PARTS ORDERING AND INQUIRIES

The parts in this catalog may be ordered from authorized Chrysler, Jeep®, Dodge and Ram dealerships or the speed shops carrying the Mopar Performance line of products. When a part ordered has been superseded, the replacing part will be shipped automatically. The price of the replacing part may differ from the ordered part. All products, illustrations and specifications are based upon current information at the time of publication approval. Although descriptions are believed correct, complete accuracy cannot be guaranteed. Chrysler Group LLC reserves the right to make changes at any time, without notice or obligation, to the information contained in this printed document, including and without limitation to prices, specifications, equipment, colors, materials, and to change or discontinue products.

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IGNITION AND ELECTRONICS

DISTRIBUTORS AND HARDWARE

A. Vacuum Advanced Electronic Distributors

Features a high-performance advance curve and an adjustable vacuum advance unit. Includes cap and rotor.

- ¹ P3690431
- Distributor, Vacuum Advance, Electronic, 383/400 Big Block
- ¹ P3690432
- Distributor, Vacuum Advance, Electronic, 426 Hemi/ 426 Wedge/ 413/ 440 Big Block
- ¹ P3690430
- Distributor, Vacuum Advance, Electronic, Small Block

B. Distributor, Electronic, Billet Aluminum

One-piece Billet Aluminum Electronic Distributors designed for street, bracket and oval track applications.

- ¹ P5249775
- Distributor, Billet Aluminum, Electronic, 426 Hemi / "RB" Engines
- ¹ P5249776
- Distributor, Billet Aluminum, Electronic, Small Block

C. Hold-Down Clamps, Distributor, Chrome

Under the hood every detail matters, and chrome is the perfect enhancement. Add to your underhood atmosphere with heavy-duty Chrome Distributor Hold-down Clamps and chrome-plated bolts. Sold individually.

- P4349279
- Hold-Down Clamp, Distributor, Chrome, 426 Hemi/ Big Block
- P4349278
- Hold-Down Clamp, Distributor, Chrome, Small Block

D. Distributor Advance Weight Springs

Use these Distributor Advance Weight Springs to convert stock distributor and Mopar Performance electronic distributors built prior to 2001 to quick advance curve. Package contains two springs.

- ¹ P2932675
- Weight Springs, Distributor Advance

E. Timing Curve Adjustment Kit

Kit contains six different primary springs, three different secondary springs and two degree key sets, allowing you to adjust timing to your performance needs. For use in parts: P3690426, P3690427, P3690428, P3690430, P3690431, P3690432, P5249775, P5249776, P5249777, P5249778, P5249779, P5249780. With detailed instructions.

- ¹ P5153446
- Timing Curve Adjustment Kit

Note: Timing curve adjustment kit . Fits most Mopar Performance distributors shipped after September 2004.

F. Distributor Cap and Rotor Sets

- P4876255AB
- Distributor Cap and Rotor, 1992-97 Dodge Truck Magnum/Jeep Engines, 5.2L/5.9L
- P5007856
- Distributor Cap and Rotor, for Distributors P3690430-2, 426 Hemi/ Big Block/ Small Block and O.E.M Single Point and Electronic Distributors



A.



B. P5249776



C.



D.



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F.

IGNITION AND ELECTRONICS

DISTRIBUTORS AND HARDWARE

A. Distributor Cap, O.E. Replacement

Replacement for the original tan-colored distributor cap used in Chrysler high-performance V8 muscle cars of the late 1960s and early 1970s (sold individually).

- P4529791** Distributor Cap, Original Replacement, For Single Point Distributors, Big Block/Small Block

B. Intermediate Shaft Bushing

- P1737725** Intermediate Shaft Bushing, V6 and V8

C. Pickup Coil and Lead Assembly

Serves electronic and mechanical tach drive distributors.

- P5153576** Reluctor and Coil Pick Up, Used with Billet Aluminum Distributors

ELECTRONIC IGNITION SYSTEMS

D. Electronic Ignition Conversion Kits

Now available to convert old point-type ignitions to electronic ignitions. Modern magnetic impulse ignition systems have many advantages over breaker-type ignition systems. They require fewer tune-ups, increase secondary voltage, improve starting, eliminate irregular timing and dwell change with engine speed, and increase plug life. Packages include vacuum advance electronic distributor with high-performance advance curve, wiring harness, electronic control unit, ballast resistor and installation instructions.

- ¹ **P3690427** Electronic Conversion Kit, 383/400 Big Block
¹ **P3690428** Electronic Conversion Kit, 426 Hemi, 426 Wedge, 413/440 Big Block
¹ **P3690426** Electronic Conversion Kit, Small Block

E. Capacitive Discharge Ignition Controllers

Features a capacitive discharge technology that fires a series of multiple sparks for 20 degrees of crankshaft rotation when the engine is running under 3,000 rpm. This ensures complete combustion and produces great throttle response with a smooth idle. There's also an adjustable rev limiter (100 rpm increments) for overrev protection!

- ¹ **P5155516** Ignition Controller, Capacitive Discharge, V6/V8

F. Drag Race Ignition Controller

Features 14,000 rpm capability with built-in rev control (supplied with 7,000, 8,000, 9,000 rpm limits) and 115 millijoule spark energy. Produces 480-volt output on primary windings and is compatible with two- and three-step module selectors, timing controls and crank triggers. Can be used with Mopar Performance coils, P4876732, P4876733 or P4876734.

- ¹ **P4876731** Ignition Controller, MSD 7AL-2, Professional Drag Race, V8



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F.

IGNITION AND ELECTRONICS

ELECTRONIC IGNITION SYSTEMS

A. Orange Electronic Control Unit

For general high-performance use up through 6,000 rpm.
¹ P4120505 ECU, Orange Box, Hemi/ Big Block/ Small Block

B. Electronic Control Unit, Chrome

For a hotter spark, use this general high-performance control unit (up through 8,000 rpm).
¹ P4120534 ECU, Chrome, Hemi/ Big Block/ Small Block

C. Electronic Ignition Update Set

Contains lightweight advance springs to recurve the electronic ignition distributor for quicker spark advance and high-performance control unit. Kit includes P4120505 and P2932675 (Orange Electronic Control Unit and Spring Package).
¹ P4007968 Electronic Ignition Update Set, Hemi/ Big Block/ Small Block

D. Control Unit Wiring Harness Kit

Use this harness to service a missing or worn ECU-to-distributor harness.
P3690152 Wiring Harness, Control Unit, For Electronic Ignitions, Hemi/ Big Block/ Small Block

E. Ignition Switch

If your ignition switch needs replacing, don't install an old, used piece. Replace it with a brand-new unit from Mopar. This ignition switch is an exact reproduction and it perfectly replaces your old unit with no modifications necessary.
03747092 Ignition Switch, 1970-74 B/C/E-Body, 1970-76 A-Body

BALLAST RESISTORS

F. Ballast Resistor, Dual

The sharpest eyes will spot the correct ballast resistor on a restoration project. This Mopar Ballast Resistor is a reissued factory original as used on 1972 and later OEM electronic ignitions with four-pin dual ballast resistors.
¹ P4529795 Ballast Resistor, Dual, Restoration

G. Ballast Resistors - Electronic Distributor

¹ P5206436 Ballast Resistor, For Electronic Ignition Systems, Using P4120505 Orange Box and Production Coil, or With P4120889 Coil, 1 OHM
¹ P2444641 Ballast Resistor, for Mechanical Advance Distributor, Using P3690560 and P4876832/33 Coils, 1/4 OHM, Race Only



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G.



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B.



C.



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E.

IGNITION AND ELECTRONICS

IGNITION WIRES AND SPARK PLUGS

A. Ignition Wire Set - 8 mm

Mopar's custom Ignition Wire Set is specifically made for high-performance use. It features a suppression core for general high-performance applications. Wires are blue with the Mopar name imprinted along the wire. Use P4529032, plus eight heat-resistant insulators and boots (P4120808) on Hemi engines.

P4529032 Wire Set, Spark Plug, 8 mm, Suppression Core, Hemi/ Big Block/ Small Block

B. Ignition Wire Sets - 8 mm, Pre-Cut

These pre-made Ignition Wire Sets are designed with factory-attached cap and plug ends. They are constructed with either a radio suppression core for high-performance street use or a metallic core for racing applications. Wrapped in 8 mm heat-resistant insulation to maintain maximum voltage.

P5007408 Wire Set, Spark Plug, 8 mm, Metallic Core, Big Block
P5007407 Wire Set, Spark Plug, 8 mm, Radio Suppression Core, Big Block
P5007405 Wire Set, Spark Plug, 8 mm, Radio Suppression Core, Small Block

C. Ignition Wire Sets - 7.5 mm, Pre-Cut

Pre-cut, high-performance 7.5 mm Ignition Wire Sets specifically designed to maintain compatibility with the onboard computers and electronics found on production vehicles. Each package contains high-tech-style boot ends at both the distributor and plug ends of the wire. These blue wires are Imprinted with the Mopar name and the cylinder number.

P4876436 Wire Set, Spark Plug, 7.5 mm, 1991-02 4.0L Jeep Engines
P4876432 Wire Set, Spark Plug, 7.5 mm, 1992-03 5.2L/5.9L Truck Magnum/Jeep Engines, 2 5/8" Long boot
P4876434 Wire Set, Spark Plug, 7.5 mm, 1994-02 8.0L Ram
P4876437 Wire Set, Spark Plug, 7.5 mm, 1996-00 2.5L Dakota and Wrangler
P4876775 Wire Set, Spark Plug, 7.5 mm, 426 Hemi
P4876433 Wire Set, Spark Plug, 7.5 mm, 5.2L/5.9L Truck Magnum/Jeep Engines (1992-03) 1 7/8" Short boot

D. Ignition Wire Set, Restoration

Just like O.E., carbon suppression wires are manufactured in the right color with the right lettering and each includes the correct spark plug boot. Set contains eight ignition secondary wires and one coil wire.

P4529792 Wire Set, Spark Plug, Orange, 1971 & Prior 383/440 Big Block, Restoration.
P4529797 Wire Set, Spark Plug, Orange, 340 Small Block, Restoration

E. Ignition Wire Separator Set

Includes eight pieces. Fits 7.5 mm wire.

P4007667 Wire Separator, Spark Plug, Set of eight (8).

IGNITION AND ELECTRONICS

IGNITION WIRES AND SPARK PLUGS

A. Insulator and Boot Kit, Hemi

Kit to service one cylinder (eight required per engine). Use with 8 mm ignition wire set P4529032.

P4120808 Insulator and Boot Kit, Hemi

B. Plug Tube and Seal Set

Includes eight special spark plug tubes and tube seals, as used on 426 Hemi engines.

P4120294 Plug Tube and Seal Set 426/ 472/ 528 Hemi

C. Spark Plug Wire Removal Tool

Here's the tool you need for easy removal of spark plug wires without pulling the wire out of the terminal end and boot.

P5249718 Spark Plug Wire Removal Tool

D. Universal Fit Spark Plug Wire Loom

Works with 7 mm or 8 mm wire. Includes four 1/4" mounting studs (20 tpi). Not for use with cast aluminum valve covers.

P5007481 Loom, Spark Plug Wire, Universal Fit

E. Spark Plugs

Bosch Motorsports Spark Plugs are specifically designed for optimal performance of your Mopar engine. Sold in sets of four.

P4876926 Spark Plug, FR 8 DCX, Hemi/ Small Block

P4876927 Spark Plug, WR 9 FC, Big Block

COILS

F. Ignition Coil, Restoration

For you purists out there, Mopar offers this Restoration Ignition Coil. An exact reproduction of the original factory black unit, right down to the vintage Mopar logo. If your coil is over ten years old, replace it with this brand-new piece.

02495531 Coil, Ignition, Black with Vintage Mopar Logo, 1972-78 Small-Block/Big-Block/Hemi, Restoration

G. Blaster Coils

These high-performance cylindrical Blaster Coils are oil-filled. They feature 100:1 turns ratio, threaded-stud primary connection and conventional "socket-style" tower. Designed for high-performance street and race applications. Use 1/4-ohm ballast resistor P2444641 when used with ignition kits P3690426, P3690427, P3690428.

¹ **P5155514** Coil, Blaster, Black, for Controllers P4876728-29, V8

¹ **P5155515** Coil, Blaster, Chrome, for Controllers P4876728-29 and P4876731 (V8)



IGNITION AND ELECTRONICS

COILS

A. Ignition Coil, High Performance

For all 12-volt applications. Not recommended for engine speeds over 6,500 rpm. Use 1-ohm ballast resistor P5206436.

¹ P4120889 Coil, Ignition, Super, Hemi/ Big Block/ Small Block

B. Pro Power Coil

Features a unique design shape that is potted with urethane and special windings for fast rise time characteristics required for high rpm. Designed for short drag race applications only. Use with Drag Race Ignition Controller (P4876731).

¹ P4876734 Coil, Blaster, Pro Power, Race V8

C. Ignition Coil, Race

Specifically designed to be used with race-only electronic ignition kits. Not recommended for continued operation at speeds below 3,000 rpm for more than 30-minute periods. Use 1/4-ohm ballast resistor P2444641.

¹ P3690560 Coil, Ignition, Race, V8

D. Coil Bracket

Another underhood piece to dress up your engine compartment. Includes a special clamp screw.

¹ P4286728 Coil Bracket, Chrome, V8 and 6-cyl

STARTERS

E. Lightweight Starters

These specially-designed starter motors with heavy-duty features for V8 applications need no adapters. Weighing approximately 7 lbs. complete, these units are lighter than the previous Mopar Performance lightweight starter, half the weight of the original 1960s-70s vintage production starter, and one inch shorter. May require header/exhaust/block modifications on some applications.

¹ P5007860AB Starter, Lightweight, 426 Hemi/ Big Block

¹ P5249644AC Starter, Lightweight, Small Block

VOLTAGE REGULATORS

F. Voltage Regulator, Constant Output

To ensure your ignition and electrical systems can provide maximum performance, install a Mopar Constant Output Voltage Regulator. Voltage is held at a constant 13.5 volts. For race applications only.

¹ P3690731 Voltage Regulator, Constant Output, 1970 and Newer V8, Race

¹ P3690732 Voltage Regulator, Constant Output, to 1969, Race



A.



B.



C.



D.



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F.

IGNITION AND ELECTRONICS

VOLTAGE REGULATORS

A. Voltage Regulators

For restoration or repair, Mopar offers this factory reissue of the Voltage Regulator as used on muscle cars of the early 1970s. The regulator is black with the original Mopar part number imprinted in yellow. Contains modern electronics.

- ¹ 77R06285 Voltage Regulator, 1970, Restoration
- ¹ 77R06286 Voltage Regulator, 1971, Restoration
- ¹ P4529794 Voltage Regulator, Muscle Car, O. E.

B. Tach Adapter

Designed for applications when high-capacitive discharge coils interfere with tachometer or fuel injection signals. Provides a clear 12-volt square wave signal output with a 30% duty cycle.

- P4876738 Tachometer Adapter, V8

C. Tach Adapter

Designed for applications when high-capacitive discharge coils interfere with tachometer or fuel injection signals. Provides a clear 12-volt square wave signal output with a 30% duty cycle.

- P4876738 Tachometer Adapter, V8

IGNITION AND ELECTRONICS

D. Engine Wiring Harness- 360 Magnum

- ¹ P5153687 Wiring Harness, Service part for 360 Fuel Injection Kits

ALTERNATORS

E. Alternator Brackets

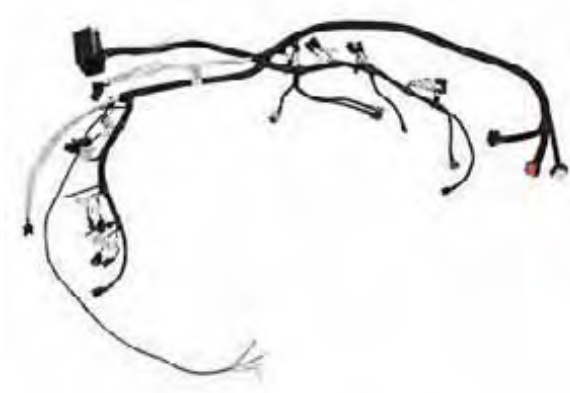
- P2206445 Alternator Bracket, 426 Hemi/ Big Block



A. P4529794



B/C.



D.



E. P2206445



AUTHENTIC PERFORMANCE



PERFORMANCE



PERFORMANCE CATALOG