

### **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 DELIV-ERED 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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#### STEERING, SUSPENSION, AND BRAKES

#### LEAF SPRINGS AND HARDWARE

#### A. XHD Leaf Springs - Original Equipment

These extra heavy-duty O.E. Leaf Springs are just like the bias design production springs that were stock on 1968-72 A-Body vehicles with 340 high-performance engines, 1967-71 B-Body vehicles with 440 or 426 manual and automatic transmissions, and 1970-74 E-Body vehicles with 440 or 426 manual or automatic transmissions. Springs will fit any A-Body (1968-72), B-Body (1966-72) or E-Body (1970-74), regardless of engine size, and come with front bushings installed in assembly. B-Body: front 22", rear 36". Select right or left spring.

 P4510269
 Leaf Spring, Left, O. E., 1964–75 A-Body

 P4452983
 Leaf Spring, Left, O. E., 1966–72 B-Body

 P4452985
 Leaf Spring, Left, O. E., 1970–74 E-Body

 P4510268
 Leaf Spring, Right, O. E., 1964–75 A-Body

 P4452982
 Leaf Spring, Right, O. E., 1966–72 B-Body

 P4452984
 Leaf Spring, Right, O. E., 1970–74 E-Body

#### B. Competition Leaf Springs - Super Stock

Designed to control torque roll, providing equal bite on rear wheels through limited axle windup. These springs don't lock up the rear, but allow it to move, keeping the tires on the track where they belong. The rear springs listed below have a 20-inch front segment and require a longer front spring hanger bracket for B-, E-, F-, J- and M-Bodies (not included). Standard hanger brackets used on A-Body. When P3412002/03 is used on a "B" or "E" body frame, the rear spring eye in the frame must be relocated forward; Pinion Snubber is recommended. If using P4120863, vehicle will not be level at standstill.

<sup>1</sup> P4120864 Leaf Spring, Competition, Left, 2,800 lbs. (A-Body) <sup>1</sup> P3412003 Leaf Spring, Competition, Left, 3,000-3,200 lbs., Modified, Hemi Super Stock A-Body, B-Body with Relocated Shackle <sup>1</sup> P4120866 Leaf Spring, Competition, Left, 3,300 lbs., E-Body Barracuda-Challenger, B-Body w/Shackle Relocation Leaf Spring, Competition, Left, 3,400 lbs., 1964-65 Super 1 P3690457 Stock B-Body Leaf Spring, Competition, Left, 3,600 lbs., E-Body Barracuda-1 P3690461 Challenger, B-Body w/Shackle Relocation <sup>1</sup> P3690455 Leaf Spring, Competition, Left, 3,800 lbs., B-Body 1 P4120863 Leaf Spring, Competition, Right, 2,800 lbs., A-Body Leaf Spring, Competition, Right, 3,000–3,200 lbs., Modified <sup>1</sup> P3412002 Cars, 1968 Hemi Super Stock A-Body 1 P4120865 Leaf Spring, Competition, Right, 3,300 lbs., E-Body Barracuda-Challenger, B-Body w/Shackle Relocation <sup>1</sup> P3690456 Leaf Spring, Competition, Right, 3,400 lbs., 1964-65 Super Leaf Spring, Competition, Right, 3,600 lbs., E-Body <sup>1</sup> P3690460 Barracuda-Challenger, B-Body w/Shackle Relocation Leaf Spring, Competition, Right, 3,800 lbs., B-Body <sup>1</sup> P3690454

#### C. Oval Track Leaf Springs

Reissued Mopar Kit Car Leaf Springs are ideal for oval track applications. These springs are widely used on dirt track race cars. The spring rate is 120 lbs. per inch. Front 20.5", Rear 35.0".

P4529415 Leaf Spring, Oval track, 1" Arch
 P4529414 Leaf Spring, Oval Track, No Arch



A.



B.



C.

<sup>&</sup>lt;sup>1</sup> Not legal on pollution-controlled vehicles or vehicles registered for highway use.





A. B.





C. D.



E.

#### STEERING, SUSPENSION, AND BRAKES

#### LEAF SPRINGS AND HARDWARE

#### A. Solid Leaf Spring Front Eye Bushings

Contains two 1-1/2-inch aluminum Spring Eye Bushings with steel sleeves. Improves spring reaction by cutting down on rubber deflection. Steel sleeve allows free movement of aluminum bushing. Designed for use with competition leaf springs (Super Stock).

P4510644 Bushing, Leaf Spring, Front Eye, Aluminum, Solid, 1-1/2"

Diameter., 3.125" Length, A-/B/E-Bodies

#### B. Rear Spring Shackle Bushings

For A-, B- or E-Body vehicles. Available in high-performance polyurethane for improved vehicle handling, or factory original equipment heavy-duty rubber for restoration projects. Sold in sets of eight bushings.

P4510643 Shackle Bushings, Rear Spring, Polyurethane, A-Body

P4452987 Shackle Bushings, Rear Spring, Rubber, O. E., 1", B/E-Body,

Super Stock Springs

P4452986 Shackle Bushings, Rear Spring, Rubber, O. E., 7/8" A-Body

#### C. Rear Spring Clamp Package

Clamps to the front half of rear leaf springs to increase stiffness so you can finetune the rear suspension for optimal traction. Contains clamps for two springs.

P4120470 Clamp Package, Rear Springs.

#### D. Rear Spring Front Hanger Bracket Sets

These straight hangers are 2.0" longer for use with Super Stock springs.

P4120080 Hanger Bracket, Front, 108"/110"/115" Wheelbase, 1964–65 Mod. B-Body, 1970–74 E-Body, 1971–74 B-Body HT, Set

<sup>1</sup> P4120081 Hanger Bracket, Front, 110" Wheelbase, 1976–80 F-Body, 1980–83 J-Body, 1977–78 M-Body, Set

<sup>1</sup> P4120105 Hanger Bracket, Front, 116" Wheelbase, 1966–70 Plymouth

B-Body Sedans, 1971–74 B-Body Wagons, Set

<sup>1</sup> P4120079 Hanger Bracket, Front, 117" Wheelbase, 1966–70 Dodge B-

Body Sedan and Wagon, Set

### E. Offset Rear Spring Front Hanger Bracket Sets

Moves the springs in next to the frame. Requires spring seat and offset shackles to be moved. Offers the maximum possible movement inboard for tire clearance without frame rework.

P4120077 Hanger Bracket, Rear Spring, Front, Offset, A-Body

P4120078 Hanger Bracket, Rear Spring, Front, Offset, E-Body with

Super Stock Springs

#### STEERING, SUSPENSION, AND BRAKES

#### LEAF SPRINGS AND HARDWARE

#### A. Rear Spring Mounting Seats

When installing a leaf spring suspension, use these Rear Spring Mounting Seats. These seats work with all 3-inch diameter tube rear axles (8 1/4", 8 3/4", 9 1/4", 9

Mounting Seats, Rear Spring, 0.520" Centerline. Fits all Mopar Performance Leaf Springs P5007857

P4120074 Mounting Seats, Rear Spring, 0.670" Centerline

#### B. Rear Spring Shock Mounting Plates

Designed for A-, B- and E-Body cars. Provides lower shock pivot, plus support for the U-bolts that hold the rear spring to the axle. Sold individually. Shock stud is not included.

Shock Mounting Plates, Rear Spring, Left, A/B/E-Bodies P4876519

#### C. Spring Relocation Kits

Moves leaf springs in 3" per side for added tire clearance. Kits mount longitudinally. Requires welding. Includes front hangers, shackles, rear shackle mounts and spring mounting seats. A-body uses small rear spring eye.

P4876558AB Spring Relocation Kit, A-Body P4120665AB Spring Relocation Kit, B/E-Body

#### D. Spring U-Bolt and Nut Packages

For replacement of U-bolts when working on your vehicle's springs. Packages include four spring/axle U-bolts and eight nuts.

Spring U-Bolt and Nut Package, 7", 8 3/4" and Dana 60 P5249709

Spring U-Bolt and Nut Package, 8" P4120611 P4120612 Spring U-Bolt and Nut Package, 9"

#### E. Straight Rear Shackle Packages

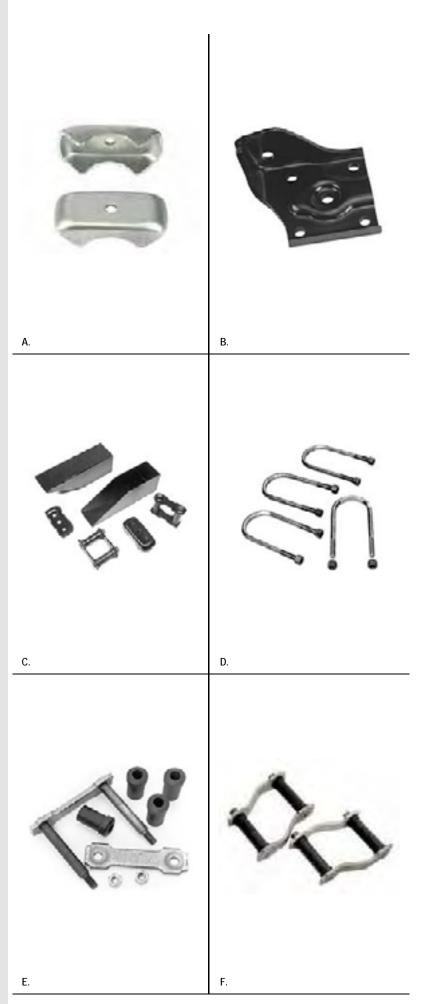
Packages come with bushings, side plates and nuts. Can be used for general service and special applications, such as spring relocation kits.

P5249715 Shackle Bushing Rear, Straight, A-Body, One Shackle Only P5249716 Shackle Bushing Rear, Straight, B-Body, One Shackle Only

#### F. Offset Rear Shackle Packages

Offset is approximately 0.80" for use on cars with relocated rear springs. Use with offset front hangers.

P4120075 Shackle Bushing, Rear, Offset, A-Body P4120076 Shackle Bushing, Rear, Offset, B/E-Body



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<sup>1</sup> Not legal on pollution-controlled vehicles or vehicles registered for highway use.





D.

### Questions? Call the Mopar Direct Connection Techline at 1-888-528-HEMI (4364)

C.

E.

#### STEERING, SUSPENSION, AND BRAKES

#### FRAME COMPONENTS

#### A. Bolt-In Frame Connector Packages

These prefabricated Bolt-In Frame Connector Packages let you tie the front and rear frame longitudinally on all A-, B- or E-body drag cars. They can be welded for additional strength and rigidity. Packages include two connectors, brackets and necessary mounting hardware.

P4286868 Frame Connector, Bolt-In, 108" Wheelbase, 1967–76 A-Body
P4286870 Frame Connector, Bolt-In, 108"–110" Wheelbase, 1970–74

F-Body

P4876658 Frame Connector, Bolt-In, 111" Wheelbase, 1967–76 A-Body

**P4286869** Frame Connector, Bolt-In, 115"–117" Wheelbase, 1966–72.5

B-Body

#### B. Adjustable Pinion Snubbers

Helps control axle windup by adjusting the height to the floor pan. Units fit to the center front of the rear axle housing.

P3690182 Pinion Snubber, Adjustable, 8-3/4" Axles
P3690181 Pinion Snubber, Adjustable, Dana 60 Axles

#### TORSION BARS AND HARDWARE

#### C. Torsion Bar Sets

Mopar offers torsion bars for A-Body and 1962-1972 B and E Body vehicles in a variety of diameters for restoration, performance and racing. Improve the suspension performance and cornering ability or weight transfer of your vehicle with these Mopar Torsion Bar Sets. The A-Body bars are 35.70" long; the B and E-Body bars are 41" long. These sets bolt right into stock locations without modifications (sold in sets of two). A and E-Body bars fit all years. B-Body bars fit 1962-1972 only.

P5249148 Torsion Bar, 0.810" Diameter, A-Body, Set
P5249150 Torsion Bar, 0.890" Diameter, A-Body, Set
P5249151 Torsion Bar, 0.920" Diameter, A-Body, Set
P5249157 Torsion Bar, 0.920" Diameter, B/E-Body, Set
P5249158 Torsion Bar, 0.960" Diameter, B/E-Body, Set

#### D. Torsion Bar Lock and Seal

P5249609 Lock and Seal, Torsion Bar, A Body/ 1962-72 B/E-Bodies

P4876097 Lock Clip, Torsion Bar, A/B/E-Bodies

### SUSPENSION SEALS AND BUSHINGS

#### E. Front End Seal Packages

Contains seals for tie rod ends, pitman arm, upper and lower, ball joints and idler arm

**P5249229** Seal Package, Front, 1968–72 B-Body

<sup>&</sup>lt;sup>1</sup> Not legal on pollution-controlled vehicles or vehicles registered for highway use.

#### STEERING, SUSPENSION, AND BRAKES

#### SUSPENSION SEALS AND BUSHINGS

#### A. Front Strut Bushing Packages

Used to minimize fore and aft movement during braking and hard acceleration. Made of special high-durometer material.

P4529183 Bushing Package, Front Strut, 1967-76 A-Body, 2-pcs.
P4529184 Bushing Package, Front Strut, B/E-Body, 4-pcs.

#### B. Replacement End-Link Bushings

These hard, urethane End-Link Bushings can be used to replace your stock bushing or with Mopar Sway Bars. Extra hard for positive stiffness and longer wearability. Sold as a set of eight.

P4349116 Bushings, End Link, Replacement

#### MANUAL STEERING HARDWARE

## C. Manual Steering Gear Worm and Ball Nut Package

Replace your 26:1 manual steering production gear ratio set with this improved 20:1 ratio Manual Steering Gear Worm and Ball Nut Package.

<sup>1</sup>P4007612 Gear Worm and Ball Nut Package, Manual Steering,

1963-85 Passenger Cars

#### D. Power to Manual Steering Adapter

This adapter allows you to convert vehicles equipped with power steering to a manual steering box.

<sup>1</sup> P4510637 Manual Steering Adapter, A/B/E-Bodies

#### SHOCKS AND STRUTS

#### E. Drag Race Rear Shock Absorbers

Designed with the extended length required by special drag racing applications. Sold individually.

<sup>1</sup> P4529514 Shock Absorber, Rear, Drag Race, Automatic Transmission,

A-Body

<sup>1</sup> P4529515 Shock Absorber, Rear, Drag Race, Automatic Transmission,

B/E-Body

#### **BRAKES**

#### F. Master Cylinder Heat Shield

Prevents heat from exhaust header or exhaust manifolds from boiling and degrading brake fluid. Perfect for Big Block, A-Body conversions.

P4510634 Heat Shield, Master Cylinder, Stainless, Big Block, A-Body

#### G. Master Cylinder Adapter

Converts from four-stud to two-stud attaching style. For use with Mopar Brake Cylinder Pushrod Package (P5249316AB).

P5249315 Master Cylinder Adapter





A. B.







D.







G.

C.

E.

<sup>&</sup>lt;sup>1</sup> Not legal on pollution-controlled vehicles or vehicles registered for highway use.



B.



C.

### STEERING, SUSPENSION, AND BRAKES

#### **BRAKES**

#### A. Master Cylinder Offset Adapter

Moves the master cylinder away from the engine for added clearance with Hemi or 440 engine valve covers. Designed specifically for 1968 Hemi A-Body cars. Can also be used for other A-body applications when installed on 426 Hemi engines.

P5249717 Master Cylinder Adapter, Offset, 1968 Hemi A-Body

#### B. Brake Pushrod, Adjustable

For use with Mopar lightweight Master Cylinder Assemblies (P5249270 and P5249271 which are currently discontinued).

P4510640 Pushrod, Brake, Adjustable

#### C. Brake Proportioning Valves

Made from lightweight billet aluminum. Compact for all applications. Perfect for all hydraulic brake applications and is easily adjusted with the turn of a knob. For diagonally-split brakes, install one valve in each rear brake line (does not change brake system to front-to-rear split).

<sup>1</sup> **P5249088** Brake Proportioning Valve, Lightweight



