

PERFORMANCE



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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DRAG RACING

LC22R CHALLENGER DRAG PAK SERVICE PARTS

A. Engines and Blocks

- ¹ P5155794 Crate Engine, 6.4L Hemi, EFI, Drag Pak
- ¹ P5155189 Crate Engine, 6.1L Hemi, EFI, Drag Pak
- ¹ P5155190 Crate Engine, 5.7L Hemi, EFI, Drag Pak
- ¹ P5155197 Crate Engine, 5.9L Magnum, EFI, Drag Pak
- ¹ P5155873 Engine Upgrade Kit, 6.1L to a 6.4L, (Includes Crank, Pistons, and Bearings)

B. Under Hood / Engine Components

- ¹ P5155242 Cylinder Head, Aluminum, Assembly, 5.7L / 6.1L Hemi Drag Pak, Left
- ¹ P5155241 Cylinder Head, Aluminum, Assembly, 5.7L / 6.1L Hemi Drag Pak, Right
- ¹ P5155288 Intake Manifold, Aluminum, Single Plane, w/ Fuel Injector Bosses in Runners, Includes Gaskets, 5.7 / 6.1L / 6.4L, Drag Pak
- ¹ P5155167 Oil Pan, Rear Sump, 8.0 qt., 5.7L / 6.1L / 6.4L, Drag Pak
- ¹ P5155102 Engine Mounts, 5.9L, Drag Pak
- ¹ P5155103 Engine Mounts, 5.7L / 6.1L / 6.4L, Drag Pak
- ¹ P5155188 Crankshaft, Forged, 5.7L / 6.1L / 6.4L, Drag Pak
- ¹ P5155285 Cylinder Head, Aluminum, Assembly, 58 CC Chamber, 176 CC Intake, 75 CC Exhaust, 2.020"/1.600" Valves W/ 11/32" Stem, Stock Port Windows and Valve Cover Rail, 5.9L Magnum, Drag Pak
- ¹ P5153758 Gasket, Intake Manifold, 5.7L/6.1L, Set, Drag Pak
- ¹ P5155180 Fuel Injection Kit, Partial, 5.9L Magnum Engine, Drag Pak
- ¹ P5155202 Gasket, Throttle Body to Intake Manifold, Covers the MAP Sensor on the Intake, Cloverleaf Opening, Holley 4150 Bolt Pattern, Approximately .047" thick, 5.7L/6.1L, Drag Pak
- ¹ P4510363 Throttle Body, Four-barrel, 6.1L / 5.7L, Drag Pak
- ¹ P5155226 Cable, Throttle Kit, Drag Pak
- ¹ P5155430 Tray, Hood to Throttle Body, Carbon Fiber, Includes Braces to Mount to the Throttle Body and Two Stage Foam to Seal Against the Hood, Drag Pak

C. Body Components

- ¹ P5155095 Hood, Carbon Fiber, Liff-off (no Mounting Holes), Includes Mounted High Temperature Epoxy Laminate Hood Scoop and Underhood Tray, Drag Pak
- ¹ P5155098 Window, Right, Front, Polycarbonate, Drag Pak
- ¹ P5155097 Window, Left, Front, Polycarbonate, Drag Pak
- ¹ P5155227 Cable, Trunk Release, Drag Pak

D. Ignition and Electronics

- ¹ P5155250 Panel, Master Switch, Drag Pak
- ¹ P5155318 Window Module, Right, Drag Pak
- ¹ P5155319 Window Module, Left, Drag Pak



A.



B.



C. Don Garlits Drag Pak



D. Roy Johnson's 2009 Drag Pak

LC22R CHALLENGER DRAG PAK SERVICE PARTS

Transmissions (Not Shown)

¹ P5155286 Bellhousing, 6-Speed Manual, Drag Pak

A. Steering, Suspension, and Braking

¹ P5155259 Pedal, Brake Sled, Automatic, w/ Master Cylinder, Drag Pak

¹ P5155328 Pedal, Brake/Clutch Sled, Manual, w/ Master Cylinder, Drag Pak

¹ P5155176 Steering Rack, Manual Assembly, 2009-10 Drag Pak

¹ P5155203AB Module, Front L/R, Includes Knuckles, Wheel Hubs/Bearings, and Mark Williams Front Brake Kit, 2009 Drag Pak

¹ P5155703 Module, Front L/R, Includes Knuckles, Wheel Hubs/Bearings, and Mark Williams Front Brake Kit, 2010 Drag Pak

Build Manual (Not Shown)

P5155107 Book, 2009 Drag Pak Build Manual

P5155775 Book, 2010 Drag Pak Build Manual

BLOCKS

B. Race Blocks- Cast Iron, R3

Building on Mopar heritage, the "R3" race block family offers the latest in design technology along with the options to meet your specific needs.

Features:

- Process-controlled castings utilizing high-strength cast iron
- 100% CNC machining with full statistical process control
- Thick deck surface and six-bolt cylinder head attachment (48° blocks) for improved sealing and reliability
- Various options that provide deck height potentials of 8.900-inch to 9.600-inch
- Tappet angles in both 59° (stock) and 48° are available (improved valve train geometry) (59° blocks are not recommended for use with roller tappets)
- Thicker main webbing and pan rail for improved rigidity
- Four-bolt mains in your choice of ductile iron or billet steel
- Machined for "LA" and Magnum head oiling, as well as engine mounts

¹ P5153743 Block, Cast Iron, Race, 340 Replacement, Siamese-bore, 4.175" Rough Bore

¹ P4876671AD Block, Cast Iron, Race, "R3", Siamese-bore, 3.998" Rough Bore, 9.000" Deck Height

¹ P4876381AB Block, Cast Iron, Race, "R3", Siamese-bore, 4.050" Rough Bore, 9.025" Deck Height

¹ P4876791AD Block, Cast Iron, Race, "R3", Siamese-bore, 3.998" Rough Bore, 9.200" Deck Height

¹ P4876673AD Block, Cast Iron, Race, "R3", Siamese-bore, 3.998" Rough Bore, 9.600" Deck Height

See chart for additional information.



A. Larry Griffith's 2009 Drag Pak



B. P4876381AB

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

¹ Not legal on pollution-controlled vehicles or vehicles registered for highway use.

DRAG RACING

BLOCKS

A. Race Blocks- Cast Iron, R4

These Siamese-bore short deck, high-nickel alloy R4 Cast Iron Race Blocks are stress-relieved, shot-peened and machined for 60 mm roller cam bearings. They are 100% CNC machined and feature small main bearing size (2.25" journals) and four-bolt main caps. Blocks are available with either the P5/P9 head or Wedge head bolt pattern.

¹ P5007151AC Block, Cast Iron, "R4" Race, P5/P9 Heads

¹ P5007270AC Block, Cast Iron, "R4" Race, Wedge Heads

See chart for additional information.



A.

"R4" RACE BLOCKS

Part No.	Deck Nom.	Deck Min.	Cyl. Design	Over Bore	Cap Design	Tappet Angle	Journal Size	Notes
P5007151AC	8.585"	8.445"	Siamese	4.220"	4-Bolt — Steel	45/59°	2.25	(1,3)
P5007270AC	8.575"	8.445"	Siamese	4.220"	4-Bolt — Steel	48°	2.25	(1,2)

Notes:

1. Dry Sump application only, requires external oil pump and filter.
2. 48° cam tunnel machining requires 60 mm cam bearings P5007361 and cam UGL P5007437.
3. No distributor.

BLOCKS

A. Magnum/340 Replacement Block

Magnum and "LA" Blocks are designed for general high performance use and entry-level racing.

Features:

- Ready for assembly without the need for any additional machining
- Bored and honed to standard bore size
- Cam bearings and freeze plugs installed in block
- Hardware kit included
- Ductile Iron Main Caps with ARP bolts (four-bolt on the center three caps)
- Dual motor mounts with "LA" and Magnum mounts (must use late 1970s 318 mount for left side)
- Heavy Duty Casting with thicker deck and bore walls
- Works with all stock-style engine components
- P5153452 and P5153579 work with Magnum stock-style Hydraulic Roller Camshafts (requires tappet retainer kit P5155275)
- Not recommended for use with aftermarket tie bar-style mechanical roller tappets
- Siamese-bore (all except P5007552AB) - allows up to 4.220" bore size
- Standard deck height - 9.600"
- Setup for wet sump oiling system with oil drain holes in the valley
- Magnum blocks can also be used for "LA" applications with dual oiling system provisions (LA oil passages to heads or Magnum oiling through pushrods, and flat tappet or hydraulic roller cams)
- MPI provisions for Magnum crank trigger
- 59° Tappet Bore - works with all stock-style cylinder heads and camshafts

¹ **P5153478AB** Block, Cast Iron, 340 Replacement, Siamese-bore, 4.040" Finished Bore

¹ **P5007552AB** Block, Cast Iron, 340, Non-Siamese-bore, 4.040" Finished Bore

¹ **P5153579** Block, Cast Iron, Race, 5.2L Magnum/318 "LA", Siamese-bore, 3.910" Finished Bore

¹ **P5153452** Block, Cast Iron, Race, 5.9L Magnum/360 "LA", Siamese-bore, 4.000" Finished Bore

See chart for additional information.



A. P5007552AB



A.

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

¹ Not legal on pollution-controlled vehicles or vehicles registered for highway use.

DRAG RACING

BLOCKS

SMALL BLOCK CAST IRON RACE BLOCKS

Part No.	Description	Deck Nom.	Deck Min.	Cyl. Design	Bore Size/Finish	Over Bore	Cap Design	Tappet Angle	Journal Size	Notes
P4876381AB	R3	9.025"	8.90"	Siamese	4.050" - Rough	4.220"	4-Bolt — Steel	48°	318/340	(2,3,4)
P4876671AD	R3	9.200"	8.90"	Siamese	3.998" - Rough	4.220"	4-Bolt — Iron	48°	318/340	(1)
P4876791AD	R3	9.200"	8.90"	Siamese	3.998" - Rough	4.220"	4-Bolt — Iron	59°	318/340	(5)
P4876673AD	R3	9.600"	9.30"	Siamese	3.998" - Rough	4.220"	4-Bolt — Iron	48°	318/340	(1)
P5007552AB	Mag/340	9.600"	9.30"	Non-siamese	4.040" - Honed	4.080"	4-Bolt — Iron	59°	318/340	(5,6)
P5153478AB	Mag/340	9.600"	9.30"	Siamese	4.040" - Honed	4.220"	4-Bolt — Iron	59°	318/340	(5,6)
P5153743	340	9.600"	9.30"	Siamese	4.175" - Rough	4.220"	4-Bolt — Iron	59°	318/340	(5)
P5153579	340	9.600"	9.30"	Siamese	3.910" - Honed	4.220"	4-Bolt — Iron	59°	318/340	(5,6)
P5153452	340	9.600"	9.30"	Siamese	4.000" - Honed	4.220"	4-Bolt — Iron	59°	360	(5,6)

Notes:

- 48° cam tunnel machining requires cam bearings P4876372 and cam UGL P4876633 or P4876634.
- 48° roller cam tunnel machining requires 50 mm roller cam bearings P4876707 and cam UGL P5007932 or P5007134.
- Dry Sump application only, requires external oil pump and filter.
- Steel billet cap application with four-bolt (center three caps)
- 59° cam tunnel machining uses stock-style camshaft.
- Comes with Camshaft Bearings installed in block.

BLOCKS

A. Race Blocks- Aluminum, A4

Designed for USAC Midget and Drag Racing. These lightweight blocks come with steel billet caps, ductile iron sleeves and hardware kit.

- ¹ P5007467 Block, Drag, P5 Head
- ¹ P5153903 Block, Drag, P9 Head
- ¹ P5007636AB Block, Drag, W9 and W9RP Head
- ¹ P5153612 Block, Midget, P9 Head
- ¹ P5007466 Block, Midget, W9 and W9RP Head

See chart for additional information.

GEAR DRIVES AND SERVICE PARTS

B. Gear Drives/Fuel Pump Eccentric

Eliminates chain-induced cam timing fluctuations.

- ¹ P4120484 Fuel Pump Eccentric, Moly-Coated, Small Block
- ¹ P5249758 Gear Drive, Use With Fuel Pump Eccentric P4120484

CRANKSHAFTS AND HARDWARE

C. Forged Crankshafts

Surface hardened, 4340 forged steel Small Block Crankshafts feature radiused fillets at main and rod journals and a six-bolt flange.

- ¹ P5007252 Crankshaft, Forged, 4.00" Stroke, 318/340 Main
- ¹ P5007254 Crankshaft, Forged, 4.00" Stroke, 360 Main

CYLINDER HEADS, GASKETS, AND HARDWARE

D. Cylinder Head Gasket Set- P5 Hemi

Designed and engineered for NHRA Pro Stock Truck competition. Exclusively for "R4" Cast Iron Block/P5 Hemi Aluminum Cylinder Head combination.

- ¹ P5007452 Gasket, Cylinder Head, Up to 4.180" Bore, "R4" Cast Iron Block/P5 Hemi Aluminum Head



A.



B.



C.



D. P5007452



"R4" RACE BLOCKS

Part No.	Deck Nom.	Deck Min.	Cyl. Design	Over Bore	Cap Design	Tappet Angle	Journal Size	Notes
P5007151AC	8.585"	8.445"	Siamese	4.220"	4-Bolt — Steel	45/59°	2.25	(1,3)
P5007270AC	8.575"	8.445"	Siamese	4.220"	4-Bolt — Steel	48°	2.25	(1,2)

Notes:

1. Dry Sump application only, requires external oil pump and filter.
2. 48° cam tunnel machining requires 60 mm cam bearings P5007361 and cam UGL P5007437.
3. No distributor.

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

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DRAG RACING

VALVE COVERS AND HARDWARE

A. Valve Covers- P5/P9

Magnesium Valve Cover Set for P5 or P9 Cylinder Heads.

- ¹ P5153323 Valve Cover, Magnesium, P5 Heads, Set of two
- ¹ P5153698 Valve Cover, Magnesium, P9 Head (Sold individually)
- ¹ P5007218 Gasket, Valve Cover, O-Ring-style, P5 Heads, Set of two

B. Valve Cover Hardware, W8

These distinctive Magnesium Valve Covers are designed exclusively for use with Mopar W8 Cylinder Heads. Sold as a pair.

- ¹ P4876676 Stud Kit, Wide "LA" and W8 Valve Covers, 10 Studs with Lock Nuts

HEMI PRO STOCK

C. Block, Hemi Pro Stock

This 2006 Hemi Pro Stock Block is legal for NHRA Pro Stock racing and features 4.900-inch bore centers, four-bolt splayed mains and a 9.100-inch deck height as shipped.

- ¹ P5153651 Block, Hemi Pro Stock

D. Block Hardware- Hemi Pro Stock

- ¹ P5007138 Plate, Rear Seal Retainer, Hemi 99
- ¹ P5155086 Seal Kit, Contains Front/Rear Crank and Front Camshaft, 1999-08 Pro Stock

E. Valve Covers, Hemi Pro Stock

Cast Magnesium Pro Stock Valve Covers with cast-in Hemi® logo are designed for Hemi Pro Stock Cylinder Heads only. Single plug design (sold individually).

- ¹ P5007300 Valve Cover, 5.00" Bore Center, IHRA, Hemi Pro Stock

F. Cylinder Heads, Hemi Pro Stock

NHRA ProStock series heads are made of heavy-duty 355 aluminum and feature a 6-bolt head pattern. Both ports are designed with material for porting and the intake ports point straight at the carbs. Valve alignment is E-I-I-E-E-I-I-E. Heads uses individual rocker shaft system. Oil drain is located at each end of the head. Requires finish machining and porting.

- ¹ P4876883AB Cylinder Head, Aluminum, 4.90" Bore Centers, Hemi 99
- ¹ P5007178 Cylinder Head, Aluminum, 5.00" Bore Center, IHRA, Hemi Pro Mod
- ¹ P5153447AB Cylinder Head, Aluminum, NHRA Hemi ProStock

RACE BODIES

G. Funny Car

- ¹ P5155205 Race Body, Complete Assembly, Top Fuel Funny Car, Charger



A.



B. P4876676



C.



D. P5007138



E.



F.



G.

RACE BODIES

A. Pro Stock

- ¹ P5155300 Race Body, Complete Assembly, Pro Stock Drag , Avenger
- ¹ P5155309 Race Body, Dash, Pro Stock Drag , Avenger
- ¹ P5155306 Race Body, Decklid, Pro Stock Drag , Avenger
- ¹ P5155299 Race Body, Door, Left, Pro Stock Drag , Avenger
- ¹ P5155298 Race Body, Door, Right, Pro Stock Drag , Avenger
- ¹ P5155297 Race Body, Front Clip, Pro Stock Drag , Avenger
- ¹ P5155296 Race Body, Rear Section, Pro Stock Drag , Avenger
- ¹ P5155307 Race Body, Spoiler, w/Spill Plates, Pro Stock Drag , Avenger

B. Sportsman

- ¹ P5155480 Race Body, Complete Assembly, Sportsman Drag , Avenger
- ¹ P5155475 Race Body, Decklid, Sportsman Drag , Avenger
- ¹ P5155473 Race Body, Door, Left, Sportsman Drag , Avenger
- ¹ P5155474 Race Body, Door, Right, Sportsman Drag , Avenger
- ¹ P5155472 Race Body, Front Clip, Sportsman Drag , Avenger
- ¹ P5155471 Race Body, Rear Section, Sportsman Drag , Avenger
- ¹ P5155476 Race Body, Spoiler, w/Spill Plates, Sportsman Drag , Avenger



A. Allen Johnson's 2011 Avenger



B.

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

¹ Not legal on pollution-controlled vehicles or vehicles registered for highway use.

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