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FCA Canada: Mopar Unleashes the New 807-horsepower Hellcrate Redeye Supercharged HEMI® Crate Engine

- Legendary Dodge Challenger SRT Demon power plant, now available as a Mopar crate engine, pumps out 807 horsepower and 717 lb.-ft. of torque
- Hellcrate Redeye upgrades include larger 2.7-litre supercharger and strengthened internals enabling an uprated 14.5 psi boost and higher 6,500 rpm redline
- New Hellcrate Redeye supercharged engine is intended for pre-1976 street and off-road vehicles
- The 807-horsepower Hellcrate Redeye Supercharged HEMI® engine (part # 68303091AA) is available to order now for a Canadian Manufacturer's Suggested Retail Price (MSRP) of \$27,010
- For more information, customers should visit www.cratehemi.com

November 6, 2020, Windsor, Ontario - Mopar is unleashing the most powerful production muscle-car engine ever available to builders and enthusiasts with the launch of its newest crate engine – the 807-horsepower Hellcrate Redeye 6.2-litre Supercharged HEMI® V-8 engine.

"With the addition of this new supercharged HEMI, Mopar now offers five HEMI crate engines with a range of 375 to 1,000 horsepower," said Mark Bosanac, Head of Mopar Service, Parts and Customer Care for FCA – North America. "All Mopar crate engines are quality-tested and factory-backed to deliver proven performance to our enthusiasts."

Rated at 807 horsepower and 717 lb.-ft. of torque on 91-octane pump gas, the new Hellcrate Redeye crate engine is engineered with proven, factory-backed hardware first seen in the wheelie-pulling, record-setting, limited-edition 2018 Dodge Challenger SRT Demon – the world's quickest and most powerful muscle car ever. This same supercharged HEMI engine powers the industry's most powerful muscle cars, including the new Dodge Charger SRT Hellcat Redeye, Challenger SRT Hellcat Redeye and the high-horsepower halo of the lineup in 2021, the new 807-horsepower Challenger SRT Super Stock.

"2021 marks the year that Dodge is distilled to a pure performance brand with 700+ horsepower models available across the entire Dodge lineup," said Tim Kuniskis, Global Head of Alfa Romeo and Head of Passenger Cars – Dodge, SRT, Chrysler and FIAT, FCA – North America. "The new 807-horsepower Hellcrate Redeye crate engine gives any pre-1976 vehicle owner another opportunity to become a member of the Dodge Brotherhood of Muscle by tapping into the Dodge//SRT power that wasn't available then, but is now."

If you know, you know. If you don't, the new Hellcrate Redeye power plant features significant upgrades versus the standard Hellcrate engine, including:

- Larger supercharger – 2.7 litres versus 2.4 litres
- Increased boost pressure: 14.5 psi versus 11.6 psi
- Higher rpm limit: 6,500 rpm versus 6,200 rpm
- Forged alloy steel crankshaft with 90.9-millimetre stroke and revised balancing
- Induction-hardened crank bearing surfaces; individual journal optimized main bearing clearances
- 5150 alloy gun-drilled camshaft optimized for high rpm performance and decreased weight
- Forged high-strength alloy pistons; 30-micron increased piston-to-bore clearance
- Powder-forged connecting rods; upgraded shank and big end; revised ultra-high tensile fasteners
- 100 per cent increase in piston-cooling jet flow
- Revised valve-spring design with 33 per cent increase in oiling for valve springs and rocker tips for

improved lubrication and cooling

- Single-groove collets on valve stems for improved stability
- Oil pan and windage tray optimized for high acceleration – tested up to 1.8 g
- Each engine is dyno-tested for 42 minutes before being shipped

This complete engine assembly includes a supercharger with throttle body, fuel injectors, coil packs, water pump, front sump oil pan and flexplate.

Builders who prefer a manual transmission can purchase the following:

- Flywheel (part # 05038113AD)
- Flywheel to crankshaft bolts (part # 06504398)
- Clutch and pressure plate assembly (part # 05038769AB)
- Clutch to flywheel bolts (part # 06508880AA)

Also available is a Front End Accessory Drive (FEAD) Kit (part # 77072492), which includes an alternator, power-steering pump, belts, pulleys and mounting hardware.

The Hellcrate Redeye 6.2-litre Supercharged HEMI V-8 engine (part # 68303091AA) is available to order today for a Canadian Manufacturer's Suggested Retail Price (MSRP) of \$27,010. The awesome 807-horsepower HEMI ships in distinctive packaging that features the Hellcat Redeye logo and includes in-depth information sheets with installation requirements and helpful tips.

The new Hellcrate Redeye 6.2-litre Supercharged Crate HEMI V-8 engine joins four proven power plants in the Mopar Crate HEMI engine family:

- "Hellephant" 426 Supercharged Crate HEMI (part # P5160194AC)
 - 1,000 horsepower and 950 lb.-ft. of torque
 - \$42,035 CAD MSRP
- "Hellcrate" 6.2-litre Supercharged Crate HEMI (part # 68303089AB)
 - 707 horsepower and 650 lb.-ft. of torque
 - \$34,110 CAD MSRP
- 6.4-litre Crate HEMI (part # 68303090AA)
 - 485 horsepower and 475 lb.-ft. of torque
 - \$14,005 CAD MSRP
- 5.7-litre Crate HEMI (part # 68303088AA)
 - 375 horsepower and 410 lb.-ft. of torque
 - \$9,105 CAD MSRP

Mopar HEMI crate engines are covered against defects in materials and workmanship for a 90-day period (parts exchange only).

Mopar

Mopar (a simple contraction of the words MOtor and PARTs) is the service, parts and customer-care brand for FCA vehicles around the globe. Born in 1937 as the name of a line of antifreeze products, the Mopar brand has evolved over more than 80 years to represent both complete care and authentic performance for owners and enthusiasts worldwide.

Mopar made its mark in the 1960s during the muscle-car era, with Mopar Performance Parts to enhance speed and handling for both road and racing use, and expanded to include technical service and customer support. Today, the Mopar brand's global reach distributes more than 500,000 parts and accessories in more than 150 markets. With more than 50 parts distribution centres and 25 customer-contact centres globally, Mopar integrates service, parts and customer-care operations in order to enhance customer and dealer support worldwide.

Complete information on the Mopar brand is available at www.mopar.com. Mopar is part of the portfolio of brands offered by global automaker Fiat Chrysler Automobiles. For more information regarding FCA& (NYSE: FCAU/ MTA: FCA), please visit www.fcagroup.com.

FCA Canada

Founded as the Chrysler Corporation in 1925, FCA Canada Inc. is based in Windsor, Ontario, and celebrates its 97th anniversary in 2022. FCA Canada is a wholly owned subsidiary of FCA, a North American automaker based in Auburn Hills, Michigan and member of the Fiat Chrysler Automobiles N.V. (FCA) family of companies. FCA Canada has approximately 440 dealers that sell Chrysler, Dodge, Jeep®, Ram, FIAT and Alfa Romeo products, as well as SRT performance products. The company also distributes Mopar and Alfa Romeo parts and accessories. In addition to its assembly facilities, which produce the Chrysler Pacifica, Chrysler Pacifica Hybrid, Chrysler Voyager and Chrysler Grand Caravan (Windsor) and Chrysler 300, Dodge Charger and Dodge Challenger (Brampton), FCA Canada operates an aluminum casting plant in Etobicoke, a research and development centre in Windsor, and has sales offices and parts distribution centers throughout the country.

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