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Mopar Unlocks New Crate HEMI® Engine Kits at SEMA

- Kits deliver enthusiasts long-sought capability to pair modern 5.7-liter or 6.4-liter HEMI® engines with model year 1975 or earlier vehicles
- Mopar 345 Crate HEMI Engine Kit and Mopar 392 Crate HEMI Engine Kit designed for 2014 and newer 5.7-liter and 6.4-liter HEMI engines, respectively
- Kits include power distribution center, PCM, engine and chassis harnesses, accelerator pedal and more to create virtual plug 'n play options for owners
- Two new modified vehicles, Dodge Shakedown Challenger and Jeep® CJ66, leverage Mopar 392 Crate HEMI Engine Kit and Mopar 345 Crate HEMI Engine Kit applications, respectively
- Graveyard Carz star and Mopar master Mark Worman joins celebration with restoration of his own: a 392 Crate HEMI Kit-infused 1971 Plymouth 'Cuda project
- Mopar also showcases additional components to aid enthusiasts in "plugging" in kits under the hood
- Crate HEMI Kits feature MSRP of \$1,795, available for purchase through FCA US LLC dealers in-store or at www.Mopar.com/CrateHEMI

November 1, 2016, Las Vegas - The Mopar brand announced today during a press event at the Specialty Equipment Market Association (SEMA) Show in Las Vegas new Mopar Crate HEMI® Engine Kits that provide enthusiasts a factory-backed, efficient option for plugging Gen III HEMI engines into iconic Mopar vehicles from the 1970s and earlier. The new Mopar 345 Crate HEMI Engine Kit for the 5.7-liter engine and Mopar 392 Crate HEMI Engine Kit for the 6.4-liter HEMI can be paired with model year 1975 and earlier vehicles, enabling owners to inject modern HEMI power into muscle-car era machines such as the Dodge Charger, Dodge Challenger, Plymouth 'Cuda and many other makes and models.

"Our new Mopar Crate HEMI Engine Kits answer enthusiast demand for a relatively simple solution for plugging modern-day HEMI engine power into their classic Mopar rides," said Pietro Gorlier, Head of Parts and Service (Mopar), FCA – Global. "The engine kits include the hardware to plant a 5.7-liter or 6.4-liter HEMI engine under the hood with the factory-backed confidence that comes when using Mopar parts. They also offer optional front-end accessory kits like power steering or even exhaust manifolds to make installation easier. Starting today, our fans can order the kit online and start working on their favorite project with the peace of mind that comes when using a Mopar product."

The Mopar 345 Crate HEMI and 392 Crate HEMI Engine Kits, both available for purchase now through FCA US LLC dealers either in-store or online at www.Mopar.com/CrateHEMI, include a power distribution center, a powertrain control module (PCM), engine and chassis wiring harnesses, an accelerator pedal, O2 sensors, ground jumper, charge air temperature sensor and in-depth information sheets on installation. The kits, compatible with respective 5.7-liter or 6.4-liter engines built in 2014 or newer, are shipped in distinctive packaging featuring either the 345 or 392 logo.

A factory calibration is featured on the unlocked PCM. The Mopar 345 Crate HEMI Engine Kit bumps horsepower to 383 and torque to 425 lb.ft. for the 5.7-liter HEMI engine, while the 392 Crate HEMI Engine Kit keeps the 6.4-liter HEMI steady at 485 horses and 472 lb.ft. of torque. Mopar Crate HEMI Engine Kits are designed and optimized for use with manual transmissions. Automatic transmissions such as the Torqueflite 727 and 904, while not optimal, can also be adapted for use.

Mopar has also “kitted” together additional engine accessory hardware components enthusiasts will need to suit their individual installation needs, making it even easier to pick a Mopar Crate HEMI Engine kit and install a modern-day HEMI engine. Available hardware includes a power steering expansion kit, AC expansion kit and rear sump oil pan kit, among other components.

The Mopar 345 Crate HEMI and 392 Crate HEMI Engine Kits are available at the same manufacturer’s suggested retail price (MSRP) of \$1,795. The kits can be used with a previously purchased 2014 or newer 5.7-liter or 6.4-liter HEMI service engine, or customers can purchase a new 5.7-liter or 6.4-liter HEMI engine and Crate HEMI Engine Kit together. The Mopar Crate HEMI Engine Kits feature a Mopar two-year/unlimited mileage warranty.

In addition, two Mopar-customized vehicles created for the 2016 SEMA Show feature new Mopar Crate HEMI Engine Kits underhood: the Dodge Shakedown Challenger and Jeep® CJ66.

Dodge Shakedown Challenger

The Dodge Shakedown Challenger weaves together design cues from the past and present to create a uniquely original Mopar creation. The blend of yesterday and today is distinctly visible through exterior and interior styling, but comes to throaty fruition under the hood, where Mopar installed its new 392 Crate HEMI Engine Kit to help administer a 6.4-liter HEMI jolt to the heart of the classic 1971 Challenger.

The Shakedown Challenger drives 485 horsepower to the pavement via a Viper Tremec T6060 six-speed transmission, and the Mopar 392 Crate HEMI Engine Kit-enabled 6.4-liter HEMI is further augmented by a Mopar concept cold-air intake and Mopar custom dual exhaust with black powder-coated Mopar exhaust tips. The custom front and rear suspension is lowered, dropping the Shakedown closer to the road — or to the track — creating a capable performer versatile enough to tackle the street or Pro Touring/Drift-type motorsports competition. Braking power is supplied by Brembo-red SRT® Hellcat six-piston front brakes and four-piston rear brakes.

The merging of old-school muscle with the 21st century is quickly evident on the “Bitchin’ Black” exterior, hung on a unique hand-built, one-off frame with a removable body. The Dodge Shakedown Challenger rolls on concept SRT Hellcat Slingshot-designed 19-inch by 9 1/2-inch front and 20-inch by 9 1/2-inch rear wheels, providing a “coiled” stance. A heritage-inspired 1971 Shaker hood scoop is added with help from select parts from the Mopar brand’s modern-day Shaker hood kit, feeding fresh air to the HEMI® powerplant.

The Shaker hood scoop is accented on top with a black “Shakedown” badge outlined in red, tying in neatly with custom gloss-black and gloss-red stripes that hug the scoop and flow down to the fascia and also up and over the roof to the tail, extending around and underneath the valance.

The 1971 Dodge Challenger body is shaved, deleting the door handles, drip rails and fuel door, which is relocated to the trunk. The Dodge Shakedown Challenger incorporates concept front headlamps and taillamps from the 2017 Dodge Challenger “massaged” to mesh seamlessly with ’71 Challenger proportions. The headlamp bezels are Satin Black, as are the housing and surround of the tail lamps, which feature lenses trimmed in red. The modern Challenger grille and surround also get the Satin Black treatment, set off by gloss-black grille bezels. Satin Black also colors the concept rear spoiler and chin spoiler, fog lamp bezels and mirror caps. Matching red Mopar 392 Crate HEMI Engine Kit logo decals on the front fenders complete the exterior.

Heading inside, the iconic Dodge is further transformed with modern mods. Dodge Viper front seats are re-trimmed in black Katzkin leather bolstered by black Alcantara inserts and red stitching matching the stitch on the Dodge Viper steering wheel, which features a custom Satin Black airbag cover and shroud. The black leather shift boot adds additional modern Challenger DNA, capped by an SRT Hellcat gearshift knob. Mopar instrument panel gauges are black, contrasted with the gloss carbon fiber IP cluster trim. The center console, steering wheel trim and door panels are also gloss carbon fiber. A black “Shakedown” badge outlined in red is stamped on the dash.

The Shakedown’s potential as a track performer is catered to with a custom roll bar and rear seat delete, replaced with netting and a console shelf for storing racing essentials. The fuel cell and lines are stored in the black-carpet lined trunk.

Jeep CJ66

Take a Jeep Wrangler TJ frame, hang a 1966 Jeep Wrangler CJ universal Tuxedo Park body on it, add in Wrangler JK elements and power it all with a Mopar 345 Crate HEMI Engine Kit-enabled 5.7-liter HEMI and you've got the Jeep CJ66. The unique cocktail of three Jeep vehicle generations and HEMI power demonstrates that Mopar Crate HEMI Engine Kit applications are also just a plug 'n play away for those more at home on the trail than the street.

The narrow-bodied Jeep CJ66 harnesses the 383 horsepower of the 5.7-liter HEMI engine with a six-speed manual transmission. A Mopar 345 Crate HEMI engine cover shelters the HEMI, and a Mopar cold-air intake and Mopar cat-back exhaust bump up off-road performance a notch or two. Front and rear Mopar Dana 44 Crate axles help the HEMI-fueled Wrangler easily crawl over rocks and boulders.

The painted, Copper Canyon-colored body pops, riding high on giant 35-inch BFG all-terrain tires paired with a two-inch lift kit. The BFGs are wrapped around functional, Jeep Performance Parts (JPP) 17-inch beadlock wheels that assist the rubber in negotiating the off-road, with custom beadlock rings painted to match the body color. A concept two-way air system allows off-roaders to quickly air up or air down tires to the desired pressure. Oversized, concept fender flares offer defense against trail obstacles at the front and rear, with added protection delivered by Mopar 10th Anniversary Wrangler JK Rubicon Bumper Kits, JPP skid and front bumper plates and concept JPP rock rails custom cut to fit the Wrangler CJ body.

The Copper Canyon skin is highlighted on both sides with a custom matte-black CJ66 graphic stripe that runs along the side of hood and trails down to the cowl. The concept hood, bezel and latch are also colored matte black, along with the iconic seven-slot Jeep grille and bezels of Wrangler JK headlamps. Mopar LED amber fog lamps and a Mopar Warn winch, with a fair lead adapter to guide the winch cable, augment the CJ66's off-road capabilities. The custom, race-car inspired fuel filler cap is shifted to the inside fender wheel well.

Looking out from the two-inch cropped windshield, the driver and passenger are perched in custom Viper seats featuring concept seat risers. The cockpit is surrounded by a custom-built roll cage, mandril-bent to match the windshield surround. A bikini top netting offers shade and cover from the elements. The center of the custom steering wheel, stamped with the special 50th Anniversary Moab Easter Jeep Safari logo unveiled by the Jeep brand earlier this year, reveals the CJ66's Moab-inspired origins. A Wrangler JK center console and shifter were imported, with Mopar instrument panel gauges and Mopar all-weather mats completing the interior.

Graveyard Carz Star Mark Worman Plugs New 392 Crate HEMI Engine Kit into 1971 Plymouth 'Cuda

To highlight the new Mopar Crate HEMI Engine Kits and their immediate availability, Mopar engaged select custom car builders prior to SEMA and invited them to plug the kits into build projects. One builder who quickly seized upon the opportunity was Mark Worman, star of Velocity's Graveyard Carz vehicle restoration television show. For his recent 1971 Plymouth 'Cuda build, Worman mated the 392 Crate HEMI Engine Kit with a 6.4-liter HEMI engine.

The green 'Cuda, one of Worman's personal vehicles, hitches the HEMI engine's horses to a Tremec T56 Magnum transmission, modified to bolt to the 6.4-liter powerplant. The build is a pure, ground-up restoration, aside from the brand-new Mopar Crate HEMI Engine Kit and engine under the hood, and a tweak to the 'Cuda's rear HEMI graphic, altered to 392 to reflect the new Mopar kit. Worman installed more than 100 factory parts supplied by Mopar, many available via the brand's new restoration parts site, www.Mopar.com/restoration, created to connect enthusiasts with the brand-approved products needed to bring a classic Mopar back to life.

Head of Mopar Pietro Gorlier visited Worman's shop in September to check out the progress of the build, and Worman joined Gorlier onstage at SEMA to participate in the reveal of the kits and also preview footage from the '71 Plymouth 'Cuda/392 Crate HEMI Engine Kit build.

Additional project vehicles utilizing the Mopar Crate HEMI Engine Kits displayed in the Mopar SEMA exhibit include a 1975 Dodge Dart injected with a 5.7-liter HEMI engine with an assist from the 345 Crate HEMI Engine Kit and a 1950 Dodge pickup powered by a 6.4-liter HEMI/392 Crate HEMI Engine Kit.

Part Number/Manufacturer's Suggested Retail Price (MSRP) Information

Mopar Crate HEMI Engine Kits

345 Crate HEMI Engine Kit (PN 77072455AC): For use with 5.7-liter engine assemblies; power distribution center, powertrain control module, engine and chassis wiring harnesses, accelerator pedal, O2 sensors, ground jumper,

charge air temp sensor, in-depth installation information sheets **MSRP \$1,795**

392 Crate HEMI Engine Kit (PN 77072454AC): For use with 6.4-liter engine assemblies; power distribution center, powertrain control module, engine and chassis wiring harnesses, accelerator pedal, O2 sensors, ground jumper, charge air temp sensor, in-depth installation information sheets **MSRP \$1,795**

Engine Assemblies

5.7-liter Gen III HEMI Engine (PN 68303088AA): Requires 345 Crate HEMI Kit **MSRP \$6,070**

6.4-liter Gen III HEMI Engine (PN 68303090AA): Requires 392 Crate HEMI Kit **MSRP \$9,335**

Engine Accessory Hardware Kits (for 5.7L and 6.4L engine assemblies)

Car FEAD Basics Kit (PN 77072445): Alternator, belt, pulleys, bolt **MSRP \$625**

Car Power Steering Expansion Kit (PN 77072448): Power steering pump, belt, bolts **MSRP \$255**

Car AC Expansion Kit (PN 77072446): AC compressor, belt, bolts **MSRP \$350**

Rear Sump Oil Pan Kit (PN 77072450): Oil pan, pick up tube, gasket, bolts **MSRP \$179**

45 Degree Oil Filter Adapter (PN 77072447): Filter adapter, oil filter, bolts, seal **MSRP \$89**

Jeep SRT Exhaust Manifolds (PN 77072462): Manifolds, gaskets, bolts **MSRP \$349**

Mopar

Mopar is the global name for Stellantis genuine parts and authentic accessories.

A simple combination of the words MOrtor and PARts, Mopar offers exceptional service, parts and customer-care. Born in 1937 as the name of a line of antifreeze products, Mopar has evolved over more than 85 years to represent both complete vehicle care and authentic performance for owners and enthusiasts worldwide.

Mopar made its mark in the 1960s during the muscle-car era with performance parts to enhance speed and handling for both on-road and racing use. Later, Mopar expanded to include technical service and customer support, and today integrates service, parts and customer-care operations in order to enhance customer and dealer support worldwide.

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