

News Release

Hyundai Motor America teams with Bisimoto Engineering and Rockstar Performance Garage for 2019 SEMA show concepts

- Bisimoto Engineering takes the Hyundai Veloster N to an entirely new threshold of daily driving performance in the VelosterRaptor N Concept
- Rockstar Performance Garage pushes the Kona Ultimate Concept beyond its limits

Las Vegas, 31 October 2019 — Hyundai Motor America has again joined forces with industry leaders Bisimoto Engineering and Rockstar Performance Garage to create two exciting new concepts for the 2019 SEMA show, the Bisimoto VelosterRaptor N Concept and the Rockstar Performance Garage Kona Ultimate Concept.



Bisimoto VelosterRaptor N Concept

The Bisimoto VelosterRaptor N Concept is consumer-friendly, emphasising engineered bolt-on performance upgrades for the Veloster N Performance Package model. These bolt-on accessories are designed to have high potential for aftermarket availability. For the VelosterRaptor N, a team of four engineers of various disciplines ranging from aerospace and mechanical to chemistry

collaborated to create enhancements for the Veloster chassis while improving on the thermal efficiency of the engine.

The Bisimoto Engineering VelosterRaptor N is designed to be a “Type R Killer”, maintain low emissions, improve thermal efficiency, reduce internal combustion frictional and pumping losses, and have a quantified output above 320 horsepower. This is achieved by incorporating a high-flow exhaust system, engine management, water methanol kit, high-performance intercooler, high-flow intake, mass airflow modifications, and upgraded turbocharger internals. The exterior will explore a CFD-engineered protocol. The interior will be comprised of lighter weight seats, appropriate lightweighting efforts and a digital diagnostic display.

Exterior

While retaining the beautiful lines of the body, subtle changes were added to the chassis with improved cooling to the Tarox front brakes via bespoke Fifteen52 wheels and a custom, elegant, aero-enhancing rear spoiler. Enhanced adhesion tires combined with an aerodynamically-sound wheel package and performance-lowering suspension reduce ground clearance, improve center of gravity, and further enhance aerodynamic advantages, while retaining electronic damping functions. Custom headlight modifications include Flyrde components.

Mechanical

In-house technology from Bisimoto (a modified factory gasoline engine utilising the latest in induction and exhaust technology) grace the Hyundai Veloster N. This project allows for aftermarket support, including, but not limited to, specialty lubricants, sport exhaust systems, efficiency intake design, performance feedback electronics, OBD monitoring, and aero upgrades.

A well-designed paring of intake and exhaust modules is added to this performance package vehicle to further improve efficiency of the gasoline engine, using pulse-wave technology to enhance volumetric efficiency, while improving inertial supercharging during valvetrain overlap periods. Modifications will be quantified using an in-house dynamometer.

Interior

The interior is comprised of composite, lightweight front seats. A specially-designed interactive OBD cluster will be added to the Veloster N’s console, using the factory communication protocol.

Bisimoto Partner Suppliers

- Wheels: Fifteen52
- Tires: Toyo
- Graphics: Type 2
- Brakes: Tarox

- Clutch: Action Clutch
- Fabrication hardware: Vibrant Performance
- Suspension: Eibach Suspension
- Induction mods: AEM induction
- Lubrication: PurOI
- Carbon Fibre attachment and trim: Dreamworks
- Paint: Dreamworks
- Heat exchange: CSF
- Turbocharger: Turbonetics
- Seats: Momo
- Roof Box: Inno
- Interior mods: SOS Upholstery
- Headlights: Flyryde
- Dynamometer: Dynapack
- OBD infocenter: AEM

Rockstar Performance Garage: 2020 Kona Ultimate Concept

Rockstar took a black Kona Ultimate Turbo AWD and created the ultimate Kona SUV. In the past, Rockstar and Hyundai have been a great success with the Tucson and Santa Fe. Rockstar built a new Kona Ultimate Sport and utilised new in-house media teams capture footage of the build and its use in Glamis, California and the sands of Ocotillo Wells, creating content for SEMA 2019.



Rockstar Partner Suppliers

- Custom vehicle wrap
- KING Shock Coilovers
- 17-inch Off-road KMC bead-lock Wheels
- Mickey Thompson Baja MTZ 29-31 inch Rally tires
- Custom OEM headlights
- Custom OEM taillights
- Custom Turbo Upgrades
- Mishimoto Intercooler
- Mishimoto Radiator
- Mishimoto Downpipe
- Mishimoto Rockstar Catch Can
- AEM Intake
- KICKER audio sound system
- Custom Leather Interior
- Odyssey Batteries
- Clearance of wheel wells for larger wheels and tires
- Aftermarket Rally protection and skid plates
- Custom Roof rack
- Aftermarket Led lighting
- sPOD source
- Heatshield products for protection
- Magnaflow Exhaust
- Scosche lifestyle systems
- Nitrous Express wet system
- Bulletliner rock chip protection

- End -

About Hyundai Motor Europe HQ

Hyundai Motor Europe HQ was formally established in 2000 with its main office in Offenbach, Germany. Hyundai currently sells cars in 41 European countries through 3,000 outlets and in 2018 achieved registrations of 543,292 vehicles in the region – an increase of 3.9 percent compared to 2017, a higher rate than the market average. 2018 was the fourth consecutive year with a record sales result. 75 percent of the vehicles Hyundai sold in the region are models designed, engineered, tested and built in Europe to meet the needs of European customers, served by the company's extensive European infrastructure. This includes two factories in the Czech Republic and Turkey, which have a combined annual capacity of 600,000 units. Hyundai is proud to offer the youngest product line-up in Europe: 90 per cent of the models are less than two years old. Hyundai offers its unique Five Year Unlimited Mileage Warranty package with all new cars sold in the region, providing customers with a five-year warranty with no mileage limit, five years of roadside assistance and five years of vehicle health checks.

More information about Hyundai Motor Europe HQ and its products is available at www.hyundai.news.

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About Hyundai Motor

Established in 1967, Hyundai Motor Company is committed to becoming a lifetime partner in automobiles and beyond with its range of world-class vehicles and mobility services offered available in more than 200 countries. Employing more than 110,000 employees worldwide, Hyundai sold more than 4.5 million vehicles globally. Hyundai continues to enhance its product line-up with vehicles that are helping to build solutions for a more sustainable future, such as NEXO – the world's first dedicated hydrogen-powered SUV.

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