

PRESS INFORMATION

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Extensive aftermarket KW coilover suspension program for racetrack and road for the brand new BMW M2 (G87) and BBS Unlimited wheels

For the second generation of the BMW M2 (G87), suspension manufacturer KW automotive has introduced a comprehensive product lineup. It includes a wide range of coilover kits, starting from the two-way adjustable KW V3 coilover suspension kits for the road to the three-way adjustable KW V4 coilover and the track-optimized KW V4 Clubsport and KW V5 Clubsport coilover suspension kits, equipped with motorsport components derived from the GT4 customer racing series and KW Solid Piston damping technology from DTM (Deutsche Tourenwagen Masters). All four KW coilover kits come with a parts certificate and allow for stepless lowering of the vehicle by up to 35 millimeters. The BBS Flow-Forming wheel set measures 20 x 10 inches on the front axle and 21 x 11 inches on the rear axle. More at www.kwsuspensions.net

With the KW V3 and KW V4 coilover suspension kits from KW's "Street Performance" category, the suspension manufacturer presents BMW M enthusiasts kits that unleash the full potential of the new BMW M2 (G87) on the road. While the KW V3, like the M Performance Parts suspension available for the predecessor (M2 F87), allows adjustment of the low-speed compression and rebound settings, the KW V4 coilover kit enables fine-tuning high-speed and low-speed compression as well as low-speed rebound settings like in the M4 GTS (F82). "For the F87 the majority of our customers opted for the KW V4 Clubsport coilover kit, and for the new M2, we have completely re-engineered the Clubsport suspensions and offer two variants."

Inverted monotube KW Track Performance Kits with a 40-millimeter plain-bearing KW damper cartridge

For the BMW M track day community, KW has extensively revised the V4 Clubsport coilover kit. A notable addition is the new upside-down design (inverted monotube design) of the front MacPherson struts, featuring a 40-millimeter plain-bearing damper cartridge. "Our inverted KW Clubsport struts are derived from our developments for the BMW M4 GT4 race car. While the KW V4 Clubsport offers three-way adjustable dampers, we take it a step further with the KW V5," explains Florian Johann. "Here, we employ our Solid-Piston technology from our DTM developments and four-way adjustable valves." In the Solid-Piston damper of the V5 Clubsport coilover kit, the piston displaces the entire fluid volume into the valve housing. The fluid then flows through the low-speed and high-speed valves, generating the damping forces. In contrast, for the V4 Clubsport designed for the BMW M2, the damping force is conventionally produced through a rebound valve on the piston rod and compression valves. While the KW V5 Clubsport does not have compression valves in the reservoir, they are integrated into the reservoir of the V4 Clubsport MacPherson front struts. An integral part of the KW Clubsport suspension for the BMW M2 (G87) is the unibal-mounted aluminum top mounts for both axles, which are adjustable for camber at the front. "We recommend the Clubsport applications to all those who regularly drive on racetracks with semi-slick tires and want to counteract the high wear on the BMW M2 front axle caused by the quick succession of chicanes, tighter corner radii, higher cornering speeds, and extreme lateral forces." All four coilover kits come with a parts certificate, and the continuous lowering range is 20 to 35 millimeters at the front and 15 to 30 millimeters at the rear axle.

BBS CI-R Unlimited Wheels – also available for BMW M2 (G87)

On the BMW M2, the BBS CI-R wheels in White Gold with a red rim protector were installed in the concave version 2. The Flow-Forming wheel set measures 20 x 10 inches on the front axle and 21 x 11 inches on the rear axle, fitted with Michelin Pilot Sport 4 S tires in sizes 285/30ZR20 and 305/25ZR21. The BBS Unlimited wheels are exclusively manufactured with a 5 x 117.5 bolt pattern and are adapted to the BMW M2's 5 x 112 bolt pattern using precise wheel hub adapters and centering rings. This results in an offset of 23 millimeters at the front and 22 millimeters at the rear. By using BBS Unlimited wheels, which are available in various designs for numerous vehicles with a five-hole bolt pattern, retailers can save the expense of maintaining an extensive inventory. The BBS Unlimited wheels come in eight different colors and four concave versions. Additionally, there are numerous Unlimited accessories available, such as rotating center caps, rim protectors, and much more.

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KW automotive

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About KW automotive:

The KW entrepreneurial group includes the suspension manufacturer KW automotive with its brands KW suspensions, ST suspensions, ap Sportfahrwerke, as well as the SimRacing brands TrackTime and Ascher Racing. With its immense suspension portfolio, state-of-the-art production technology, and development and test center, KW successfully operates in all markets for more than 25 years. Over the past years, KW automotive has developed over 16 distinct damping technologies to fulfill its requirement of supplying "the perfect suspension for every demand". Besides its core business, the development and production of manually and adaptively adjustable coilover kits and other suspension components for the aftermarket as well as the range of accessories of various automobile manufacturers in the premium segment, the business field of original equipment for special models and super sports cars of the automotive industry are developing tremendously positively for the German suspension manufacturer. Since KW is a development partner of sophisticated controlled suspension systems, the manufacturer disposes of the entire product portfolio of hydraulics, electronics, sensor technology, control units, and damper control systems as well as the necessary expertise for the application and tuning of complex vehicle performance systems from a single source. KW has become an indispensable part of customer motorsports throughout the past years and produces homologated racing dampers and suspensions for a constantly growing number of racing cars from several manufacturers. Worldwide, successful racing teams rely on the patented valve technology of KW Competition suspensions. The entrepreneurial group has subsidiaries in the most significant markets, such as Belgium, Great Britain, China, Japan, Switzerland, Taiwan, and the USA. 360 employees from the 1200 employees worldwide of the Group are located at the headquarters in Fichtenberg. Software and hardware solutions are further business segments as well as events for virtual motorsports in the scope of the brand RaceRoom. Equally, the suspension manufacturers KW Damping Unit, S.A. (AL-KO Damping Unit), Belltech, and Reiger Suspension as well as the alloy wheels manufacturer BBS are brands of the KW entrepreneurial group. www.kwsuspensions.net

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