



B1 Dynamics Package M135i, Retains Adaptive Suspension



The BMW M135i is recognised as a superior sporting roadster. The twin turbo six has huge performance potential, but given that BMW cannot allow this car to steal the thunder of the M-Powers, the engine performance and chassis has been capped to a deliberately modest level.

Birds are proud, therefore, to announce the first fully developed chassis package for this car. Development work was an evolution of the chassis data gained during development of the Birds renowned B1 and B3 suspension packages for the earlier 1 and 3 Series cars, and the all-important engineering and durability testing was completed in record time. There is no doubt that whilst BMW have endowed the car with acceptable dynamics, there remained significant margins where chassis performance could be improved.

We have coordinated all of the necessary equipment and expertise to transform the braking, handling, traction and ride quality, so that the driver is able to fully communicate with the chassis, and truly elevating the dynamics to provide the real ultimate driving experience.



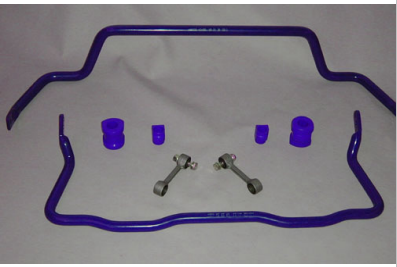

All technical work is undertaken at Birds facility in Iver, near Heathrow. All conversions are properly guaranteed for both performance and longevity. Only the best will do, and only available from Birds - Ultimate BMW Performance. Underlining our place at the cutting edge of tuning technology, all complete conversions carry comprehensive warranties of 24 months, without mileage limitation.

Kevin Bird Garages Limited

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Tel 01753 657 444, Fax 01753 655 963, Web www.BirdsAuto.com



The B1 Dynamics Package 1 consists of the following items. We will be pleased to revise specifications and pricing to your individual requirements.

<p>Differential</p>	<p>Exchange Quaife Final Drive</p>
<p>Suspension</p>	<p>B1 anti-roll bars</p>
	<p>Stabilisers – B1 anti-roll bars complement the chassis balance and trim. Fast drivers will immediately note the prevalent under-steer inherent in the standard BMW chassis. As a consequence we provide significantly more rear stiffness than the front, biasing away from under-steer. Again, these stabilisers have been manufactured to our own specifications. These are not off-the-shelf, close-enough items.</p>
	<p>Quaife ATB Differentials - ATB differentials increase the torque presented at the tyre contact patch with the road, which increases the force exerted on the road, which, in turn, increases the rate of acceleration. In low grip situations, the standard "open" diff. allows one wheel to spin, triggering the traction control and limiting the engine power. The Quaife ATB Differential prevents the wheel with the least grip from spinning, traction control is therefore not triggered, and the car accelerates to it's true potential.</p>

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Options



Exhaust - HARTGE sports exhaust systems and rear silencers are hand made from 100 percent AISI 304 stainless steel. First-class workmanship, great durability and a powerful yet unobtrusive sporting sound make the HARTGE stainless steel silencers first choice for the upper class car. An individual style tailpipe design with engraved logo and complete hard chrome plating.



Suspension - HARTGE Sport Suspension Springs. Standard suspension systems are a compromise between comfort and safety components whereas the sporting expectations play a minor roll. After all, the high costs involved in the long suspension development process must also be taken into account. The HARTGE sports spring set offers a more sporty drive and maximum safety without loss of comfort – an uncompromising alternative for retro-fitting at a fair price.



Hartge 19" Classic 2 Wheels - The set is fully compatible with all of the factory traction, dynamic stability and puncture protection systems, and ride quality has been maintained by careful design and attention to installed weight of the wheel and tyre assembly. Fully compatible with any of the standard equipment, and of course with all Hartge equipment. Hartge wheels sets come with Pirelli or Continental with 225/35 high performance. Hartge wheels sets are verified for the maximum speed of the car.



Hartge 19" Ultima Wheels – Available in Sparkling Silver or Smokey Silver compatible with all of the factory traction, dynamic stability and puncture protection systems, and ride quality has been maintained by careful design and attention to installed weight of the wheel and tyre assembly. Fully compatible with any of the standard equipment, and of course with all Hartge equipment. Hartge wheels sets come with Pirelli or Continental with 225/35 high performance tyres. Hartge wheels sets are verified for the maximum speed of the car.

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Brakes – Alcon Ø365x32mm curved vane ventilated and grooved discs for the front axle, featuring low weight alloy hubs, with a unique floating rotor system to prevent vibration and fade. Six piston alloy callipers for reduced weight and mighty stopping power. The feel and progression of these brakes allow fierce braking right up to the point of ABS actuation, both in the wet and dry. Fully protected against corrosion, and they work from cold right up to racing temperatures. The M135i requires a minimum of 19" wheels.



Interior Accessories - Interior detailing, including aluminium alloy pedals, footrests, handbrake levers and gear lever knobs, and bespoke carbon fibre trims complete any conversion to the tastes of the individual.

A note about tyres. All BMW cars except the M-Power cars are equipped with Run-on-flat tyres from the factory. We cannot stress how important it is to rid yourself of these performance sapping devices. In our opinion, the arguments proposed by BMW for these tyres is totally misjudged, and we know of no customer who regrets installing conventional tyres. A second note..... All tyre brands do not perform similarly. Our recommendations are based on UK road conditions, and provide the best in wet weather grip and handling. If you want race style tyres, we can provide them.

As with all Birds Conversions, expert advice comes as standard. We treat all customers as individuals, and recognise that every individual has their own set of desires and criteria. We have more than 25 years experience in the BMW tuning arena, more than any other organisation in the UK, and know how to get the best performance from BMW cars. We are enthusiasts and are happy to discuss in detail every aspect of the performance of your car. Options are many, but please let us guide you toward Ultimate BMW Performance.

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