

B1-40i Complete Conversion - (base car F20/F21 M140i)



The M140i is the last hot-hatch BMW with rear-wheel drive, the last optionally equipped with a manual transmission, and the last with six cylinders. For these reasons, the M140i has carved itself a unique place in BMW history, and will remain a firm fan favourite. In addition, for those who can't afford the exorbitant prices of BMW's M-Power variants, it is a fantastic value-for-money performance car.

However, the "Ultimate Driving Machine" formula seems to have become diluted over the years outside of the M Division. The B58 has considerable potential, but the engine performance has been capped to a deliberately modest level. The suspension's lack of talent and crashy ride when pushing on over bumpy road surfaces, and absence of a limited-slip differential, means there are significant margins for improvement in the chassis and dynamics, too.

Birds are proud to announce their first fully developed Complete Conversion package for this car.

As always, we strive to provide vice-free engine mapping, with no flat sports or erratic throttle response, and only once the all-important engineering and durability testing has been completed.

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

All technical work is undertaken at Birds' facility in Buckinghamshire, UK, with new engine management individually programmed for each car. All conversions are properly guaranteed for both performance and longevity.

Underlining our place at the forefront of BMW tuning in the UK, all complete conversions carry comprehensive warranties of 24 months, without mileage limitation.

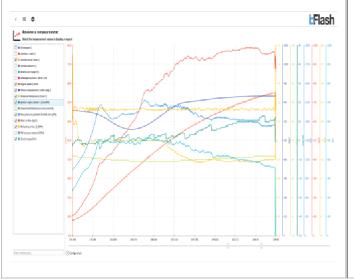
Kevin Bird Garages Limited 2, The Ridgeway, Iver, Buckinghamshire, Great Britain, SL0 9HW Tel 01753 657 444, Fax 01753 655 963, Web www.BirdsAuto.com





The B1-430 Complete Conversion consists of the following items. We will be pleased to revise specifications from our program to your exact requirements. All items are available individually or as various packages.

Engine	Engine Management 430ps (424hp)
Differential	Exchange QUAIFE LSD Differential
Suspension	B-Series Sport Suspension (also available for EDC equipped models)
Geometry	Hubcentric Shim Kit (20mm Increased Track Front)
Transmission	Short Gearshift (manual transmission only)
Clutch	Clutch pedal weight modification (manual transmission only)



Engine Management - When it comes to increasing engine performance, it's easy to focus purely on the maximum power that could be achieved. All our engine development takes into account more important parameters, such as durability, particularly where expensive emissions equipment such as catalysts and particulate filters are concerned. High speed testing is carried out on closed circuits, the only place outside of Germany where the engine can be placed under full load for more than 15 seconds at a time.

Dynamometer testing is conducted as a conclusion to the process, and we are never embarrassed that headline power output numbers don't eclipse the claims of others.

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With almost all modern cars, there appears to be a growing tendency to remove externally generated feedback from the care to care this can be a good thing. For example, no and wante to feel every hump in the





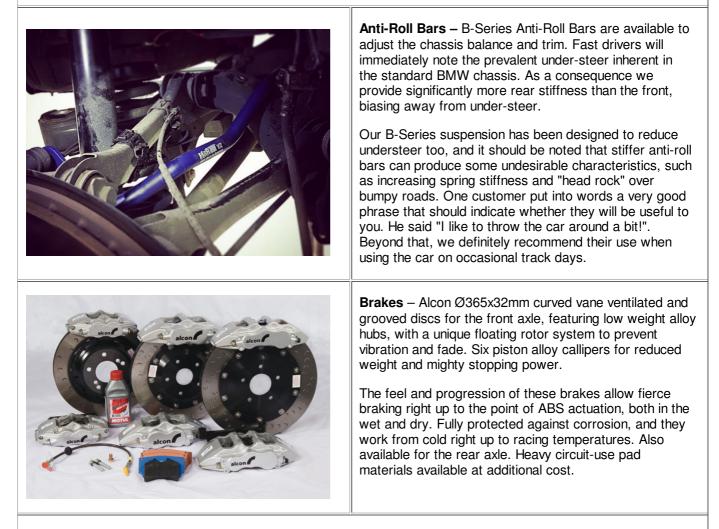
road generated by an un-compliant suspension. In other cases, we feel that the driver needs a direct connection to the process and should be truly involved in it. With a manual transmission, gearchange and clutch operation is a part of the drivers involvement, and in the case of the M140i, the clutch actuation can be likened to pushing your foot into sponge. Similarly, the gearshift is over-long and inaccurate. Solutions to those issues have been sought, and we believe our solutions allow a better and more direct connection between driver and car.

Until the first driverless car hits the street, Birds will always believe that driving should be a pleasurable and feedback rich experience.





Optional Extras



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 nearly 35 years experience in the BMW tuning arena, more than any other BMW Tuning 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.

All technical work is undertaken at Birds facility in Iver, near Heathrow, with new engine management individually programmed for each car. All conversions are properly guaranteed for both performance and longevity. Only the best will do, and only available from Birds.

Underlining our place at the cutting edge of tuning technology, all Complete Conversions carry comprehensive Manufacturer Matching warranties, without mileage limitation.