



Z8 Complete Conversion

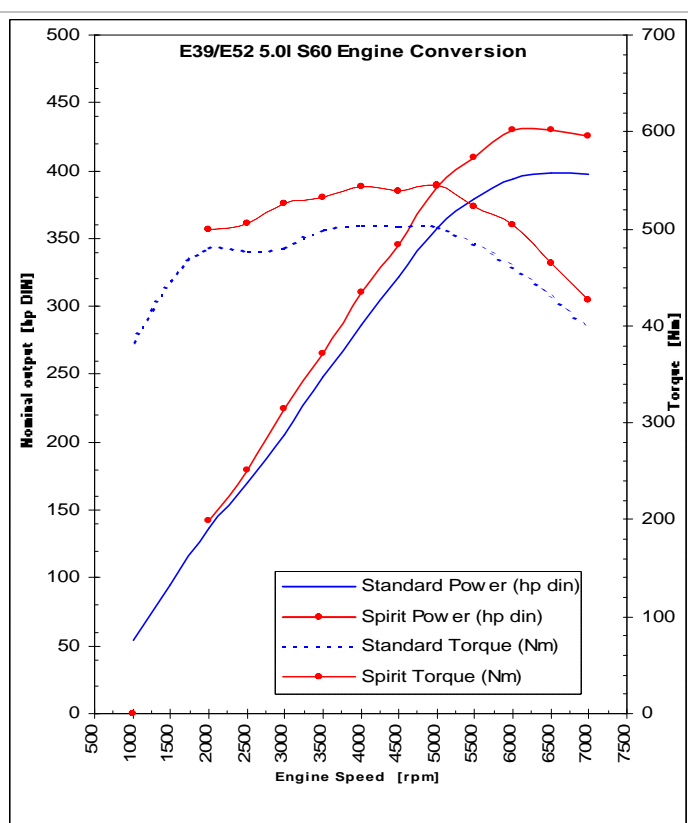
Performance Tuning

There can be no doubt that the BMW Motorsport V8 is one of the industries' best engines. This award winning power plant cannot be easily improved, but for the chosen few, we are proud to offer a realistic performance increase that unleashes the full potential of this magnificent machine. We rely on more than '*chips, exhausts and wishful thinking*', and this is adequately demonstrated in the maximum speed figure.

However, there is no doubt that whilst BMW have endowed the car with impressive straight-line performance, they have failed once again to complete the package. We have co-ordinated all of necessary equipment and expertise to transform the braking, handling and ride quality, and traction 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 Uxbridge, near Heathrow, with new engine management maps individually programmed and transmitted from Germany. All conversions are properly guaranteed for both performance and longevity. Only the best will do, and only available from Birds, The UK's Premier Tuning Company.

Model	Standard	Modified
Based on	Z8	Z8
Chassis	E52	E52
Engine Type	S62 B50	S62 B50
Capacity	4,941	4,941
Bore	94.0	94.0
Stroke	89.0	89.0
Output (hp)	400	430
@ rpm	6,600	6,000
Torque (NM)	500	544
Torque (lb ft)	369	399
@ rpm	3,800	4,000
Compression	11.0:1	11.0:1
0-60mph	4.7	4.5
V max mph	155 (Limited)	177





The complete conversion consists of the following items. We will be pleased to revise specifications and pricing to your individual requirements.

Engine	12-395-000	Sport Catalysts And Motronic modification
Exhaust	18-528-860	Sport Rear Silencer Pair
Suspension	31-520-999	Sport Suspension Springs
Brakes	34-528-600	Sport Brakes, Red 6 Piston 355x32mm
Wheels & Tyres	37-380-395	19" Classic Wheel & Tyre Set
Limited Slip Differential	33-928-336	LSD Conversion Kit



Sport Rear Silencers are not part of the engine conversion, but manufactured in lightweight stainless steel, they improve the aural quality of the exhaust, and whilst they still meet the criteria of the European D4 noise limits, the tonal change improves the sound to a deep rumble.



Sport Suspension Springs are stiffer than standard, yielding benefits in both roll and cornering poise, and are lower by approximately 25 mm. Our chassis development partners have tuned the ride height balance between the front and rear axles to minimise the inherent under-steer of the standard chassis. Ride quality is retained as with all of our chassis solutions. Other options are available, including a fully adjustable suspension kit.



Sport Brakes - 355x32mm 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 calipers 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. Rear Brakes to match are also available.



Limited Slip Differential - LS 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 LSD prevents the wheel with the least grip from spinning, traction control is therefore not triggered, and the car accelerates to its true potential.



Hartge 19" Classic 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. 19" Hartge Classic wheels sets come with Pirelli or Continental with 8.5 & 9.5x19 with 255/40 & 285/35 high performance tyres, which eliminate the uncomfortable ride of the standard run-flat units. Hartge wheels sets are verified for the maximum speed of the car. A 20" option is available



Optional Hartge 19" Classic 2 wheels - The dimensions of 8.5 & 9.5 x 19 with 255 /40 & 285 /35 completely fill the wheel arches. Continental tyres have been specially selected for their quiet running, impeccable wet road traction, and impressive speed rating, even when fully loaded. All of the benefits of the Hartge Classic, with the added advantage of radial spokes that integrate with the outer rim, making the wheel appear larger than 19", but retaining the ride quality required for day-to-day use. 20 and 21" options are also available



Interior Accessories (optional) - 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.



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