



Performance Package

The Performance Package from Birds, the Ultimate BMW Performance Tuning people, is a new development designed to give your BMW increased engine power **and** the ability to apply it to the road. Only too often, uninformed BMW owners are fixated on increasing the power of their engine, without realising that the electronics on the car restrict it to a massive degree.

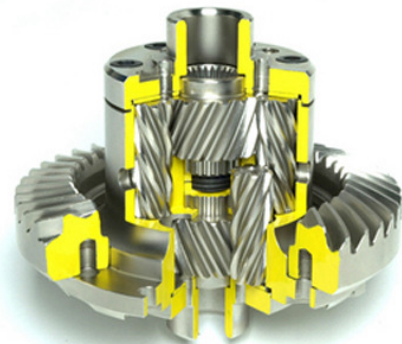
The Quaife BMW ATB limited-slip differential is the perfect solution to this, and has quickly become Birds best selling product. BMW owners around the world are realising just how essential a Quaife differential is. The innovative design means it is able to automatically bias torque between the rear wheels, and the benefits are increased acceleration, cornering speeds, handling, steering and traction. No longer will you be irritated by that flashing yellow light on your dashboard signalling a power sapping loss of traction. Instead, you will see your BMW react the way it should, just like the M-Power cars...

Quaife BMW differentials are available for all BMW models.

The Performance Package is a combination of a proven engine management modification along with a Quaife BMW limited-slip diff, and is the ultimate performance enhancement available, at an affordable price. We are able to customise packages upon the customer's individual preference, and will advise the most suitable modifications.



Hartge F20



Quaife ATB internals

We have stunned the press with our beautifully resolved demonstrators.

Autocar (Chris Harris) - "the diff translates it into one of the most pleasant handling BMWs I've driven in years."

Evo Magazine – Evo awarded us with the full five star rating! "Big performance, superb chassis...biggest compliment is that it feels so cohesive."

BMW Car - "There's a harder edge to the car, a new depth of ability, toughness and intensity and a new level of driver involvement. And let's not forget, the standard 335i was our 'Car Of The Year' last year, and impressive in every way, so I can't stress too hard how good this car is!"

Total BMW – "...even with the DSC off, it remained entirely composed, to the point where we wondered if Kevin would notice if we found ourselves an empty car park and indulged in a spot of drifting..."

Kevin Bird Garages Limited

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Engine Performance ECU , Questions And Answers.

What is it? This is an additional ECU which interacts with the standard engine Electronic Control Unit.

Why not a conventional "remap"? Very many reasons, but primarily due to the fact that many modern ECUs are incredibly difficult to crack. Anti tuning measures are installed by the manufacturer, and some prove too complicated to break.

How does it work? The changes affect the parameters such as ignition timing, fuel delivery and boost levels controlled by the ECU.

Is it safe? Yes. There are built in safety functions that would reduce the maximum engine performance if any potentially damaging conditions were present. For example, if the engine temperature is excessive, due to towing in high ambient temperatures, engine performance will be limited to compensate. Similarly, if any catalyst damaging exhaust temperatures were measured, compensation is automatic.

Why don't BMW offer the same power? They often do! In the case of diesel engines, we can give you similar or better performance than current development engines, but offer them to owners much sooner than BMW are prepared to put them on the market.

Why is it so expensive (compared with other "similar" products)? We take performance modification very seriously. Modifications are not offered until lengthy durability tests have been concluded. These tests include dynamometer trails and serious road testing. Moreover, we will not breach any of the statutory emissions limits published by the manufacturer, because doing so will reduce the service life of the expensive Diesel Particulate Filters and catalyst now fitted to every car on sale. The cost of this testing process is significant. Suppliers who do not test in this way will always have a clear price advantage, but may not give the long term reliability which is part of the Birds standard.

Will my BMW Dealer know about it? There is no such thing as an invisible modification. If BMW want to find it they will. However, our modifications are invisible during routine diagnosis and service.

Can a BMW Dealer overwrite it? Our software is protected, and it is not possible for Dealers to overwrite our modifications.

Will it affect other components or systems on the car? No. Our testing procedures and the outputs we offer do not exceed the design limits of any other component or system on the car. Where we recommend additional equipment, this will be because of our commitment to providing a 100% reliable conversion whether inside or outside the warranty period.

Could it affect my manufacturer warranty? Yes. It is impossible to provide for every eventuality in the programming code, which could cause a BMW component to fail. If this occurs, our warranty covers it. Otherwise, the manufacturers warranty stands.

Can I have it done at my home or place of work? No. Unlike other cheaper products, we believe it is not possible to guarantee performance or quality if done away from our technical centre. Roadside conversions are to be avoided.

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