

The Aston Martin
Bespoke DB4, 5 & 6



Aston
Workshop



Using a genuine
factory Aston Martin,
coupled with unparalleled
craftsmanship & years of
dedicated expertise,
Aston Workshop will build
the car of your dreams



Aston Workshop was established in the UK in 1988 and over the last two decades, the company has gained an international reputation as one of the world's best facilities for the restoration of this legendary marque.

Now with our Bespoke DB4, 5 and 6's we can go one step further than restoration, we can create the perfect car for you. Starting with a genuine factory Aston Martin, we combine a host of performance and comfort upgrades and enhancements to build the car you've always dreamed of. This brochure contains some of those upgrades and enhancements but the bespoke nature of our services meansthat each car is tailored to your exact needs and desires. Welcome to Bespoke from Aston Workshop.



Adjustable gas filled dampers and progressive rate springs have transformed the handling characteristics of modern cars. These dampers are now fitted as standard on all Bespoke models.

suspension

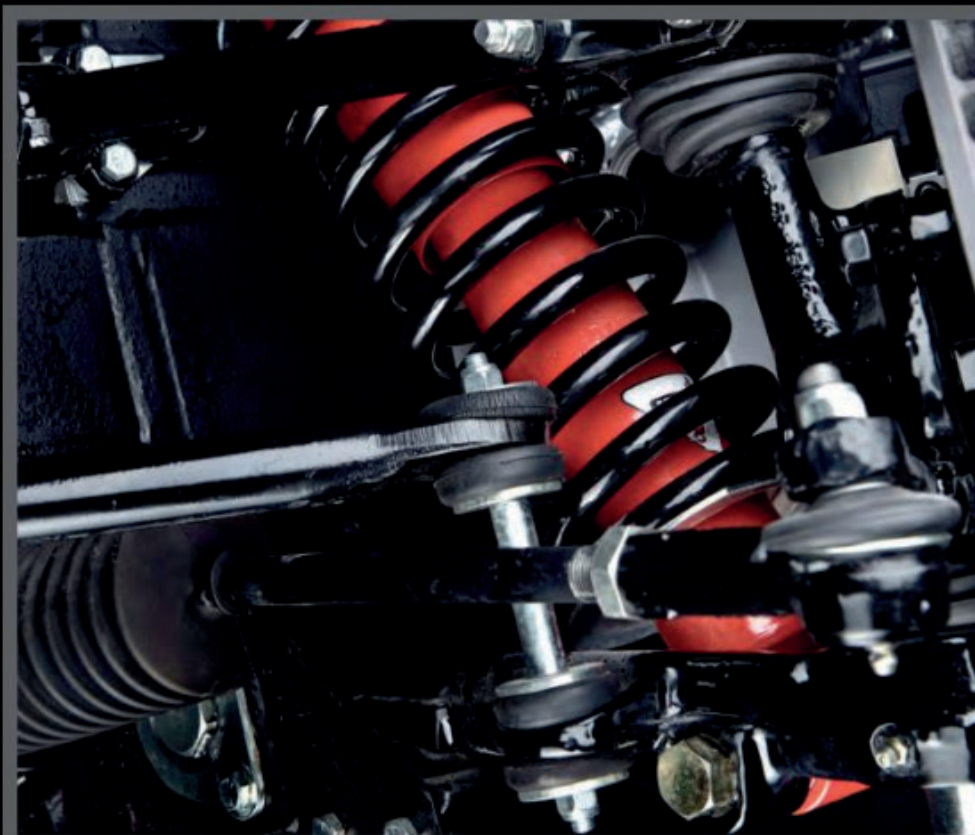
Modern, adjustable gas filled dampers, progressive rate springs and contemporary radial tyres are all features which have radically changed the handling of modern cars. These features are now available to classic car owners and are fitted as standard on all of our Bespoke models.

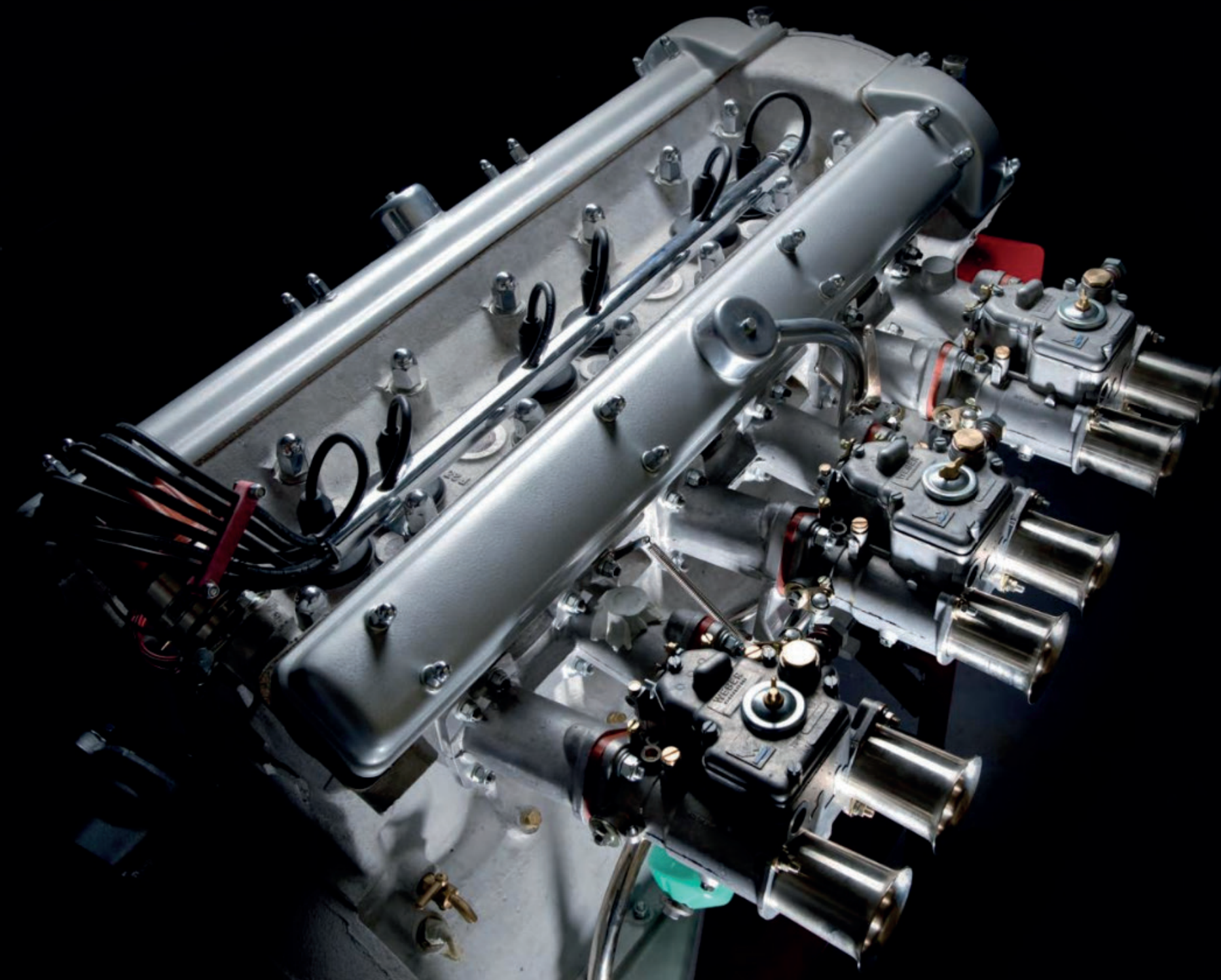
By adjusting damper settings, different suspension settings and spring rates and optimising these in conjunction with modern radial tyres, it becomes possible to tailor the handling characteristics to suit the owner.

Replacing rear lever arm dampers with telescopic dampers eliminates what has now become an obsolete component.

All of these features combine to create a significant step forward in achieving modern standards of ride comfort, safety and handling in a classic car.

We are also working towards being able to offer in-car adjustable dampers on Bespoke models. This offers exciting possibilities allowing the driver to optimise handling according to their road conditions at the time.





To produce the ultimate driver's Aston, where better to start than with a 4.7 litre engine?

the ultimate engine – Vantage 4.7L

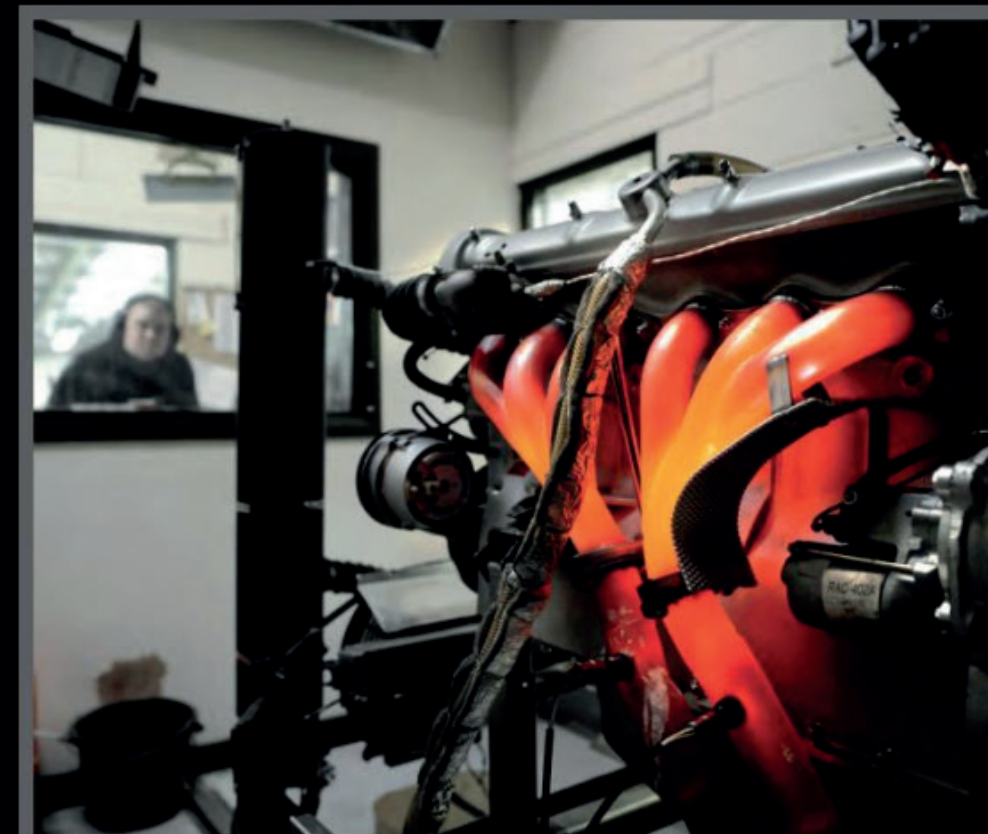
The original DB5 Vantage specification is already impressive for its age, but our 4.7 litre upgrade takes the car to a whole new level. An increase in engine size is achieved by fitting the enlarged liners of a 4.5 litre engine and a crankshaft with a slightly larger stroke to give 4.7 litres.

Fitted with fast road camshafts and triple Weber DCOe9 carburettors, the resulting increase in engine torque is a mind blowing 35% to 40% with a reliable power output better than 340 to 350 bhp.

Engines completed to this specification are noticeably punchier, particularly in mid range torque. The ability to pull a very high ratio final drive is significantly enhanced, which leads to a much improved long distance driving experience.

The 4.7 L is also available with a discreetly hidden fuel injection system which gives even more power and torque. In keeping with our Bespoke ethos, we've gone to considerable trouble to develop a completely hidden Electronic Fuel Injection. This uses the standard Weber or SU carbs as the throttle bodies, retaining a completely standard look with an EFI system that cannot be detected. Installation does not alter the car and it can be returned to 'standard' in 8 hours.

The performance improvements are significant, with the cars able to pull cleanly from just 1,000 rpm on full throttle. The EFI eliminates the known 'flat spot' at 2,000 rpm.

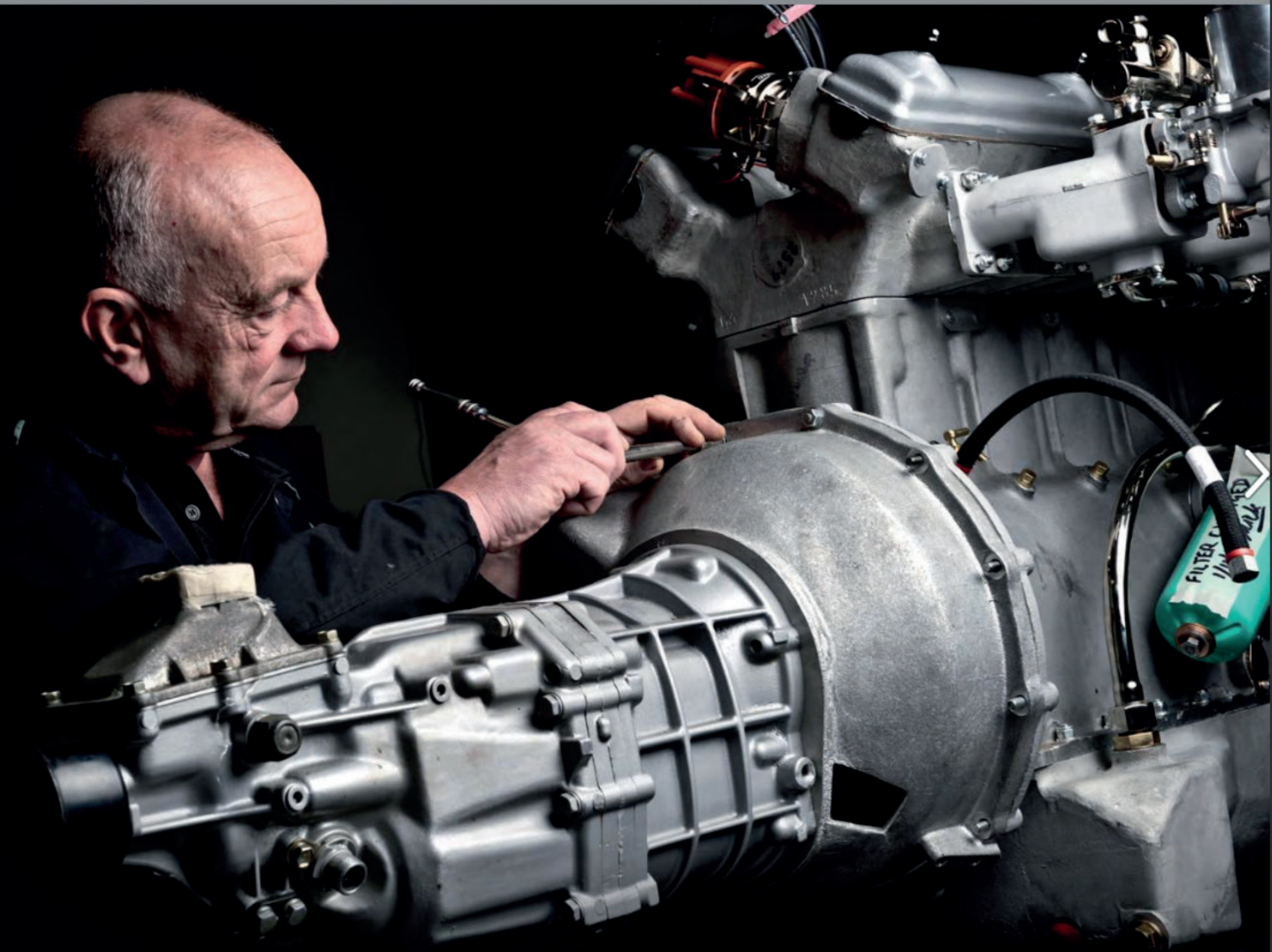
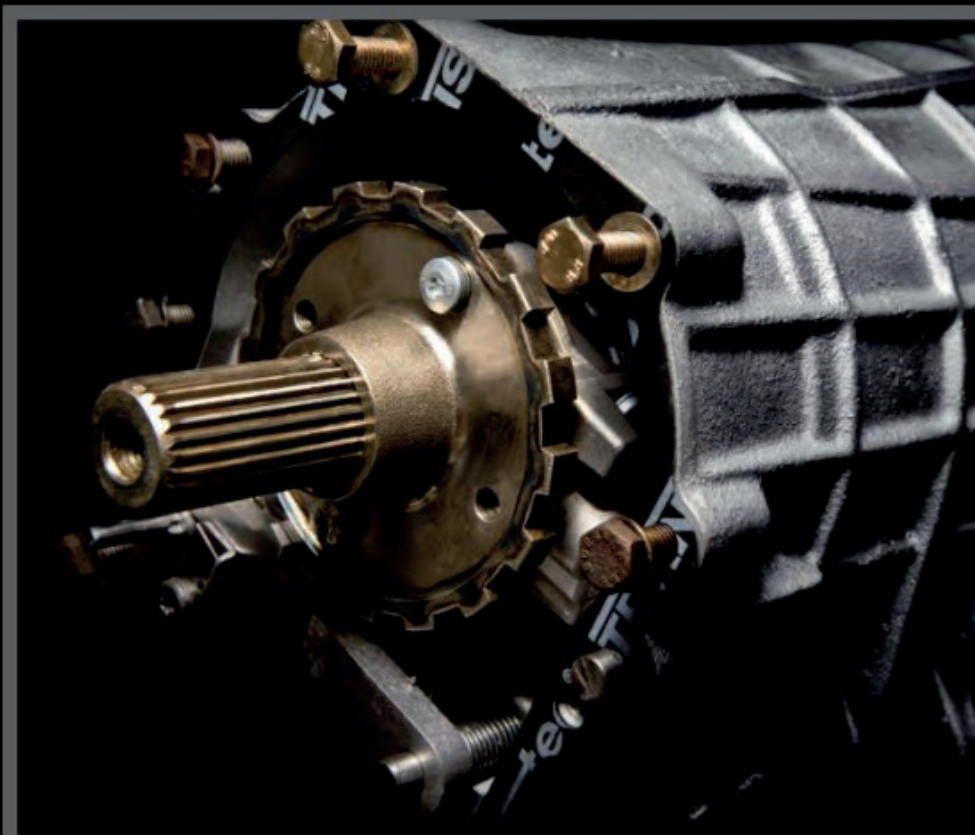


All the appearance of the original specification but modernised with discretion to offer additional refinement.

transmission

To add to the modern feel of our Bespoke DB4, 5 and 6 models we also offer a fully engineered 5 speed manual transmission solution. This allows us to come as close as possible to maintaining the visual impression of an unmodified car, yet has the ease of use and efficient characteristics of a more modern car.

We also offer 4 and 6 speed automatic transmissions and both of these upgrades are hidden gems for sure.





In order to match and fully realise any improvement in engine performance, the enhancement and upgrading of brakes is essential.

brakes

Advances in design and materials have transformed brake performance and safety and we ensure the benefits afforded are available on all Bespoke models.

The following upgrades can be fitted to all DB4 Bespoke models, greatly enhancing safety and handling under braking.

Option 1 – Girling upgrade

Upgrade to the Girling system with increased capacity twin servos as fitted on the DB5 & DB6

Option 2 – A.P. Racing

The A.P. Racing upgrade offers increased capacity twin servos, ventilated discs and increased capacity calipers.

The result is a massive increase in reliability and stopping power and the recommended brake set-up of choice for all Bespoke DB4 models.



You might arrive at your destination a lot sooner than you would expect but you'll always arrive cool, calm and collected.

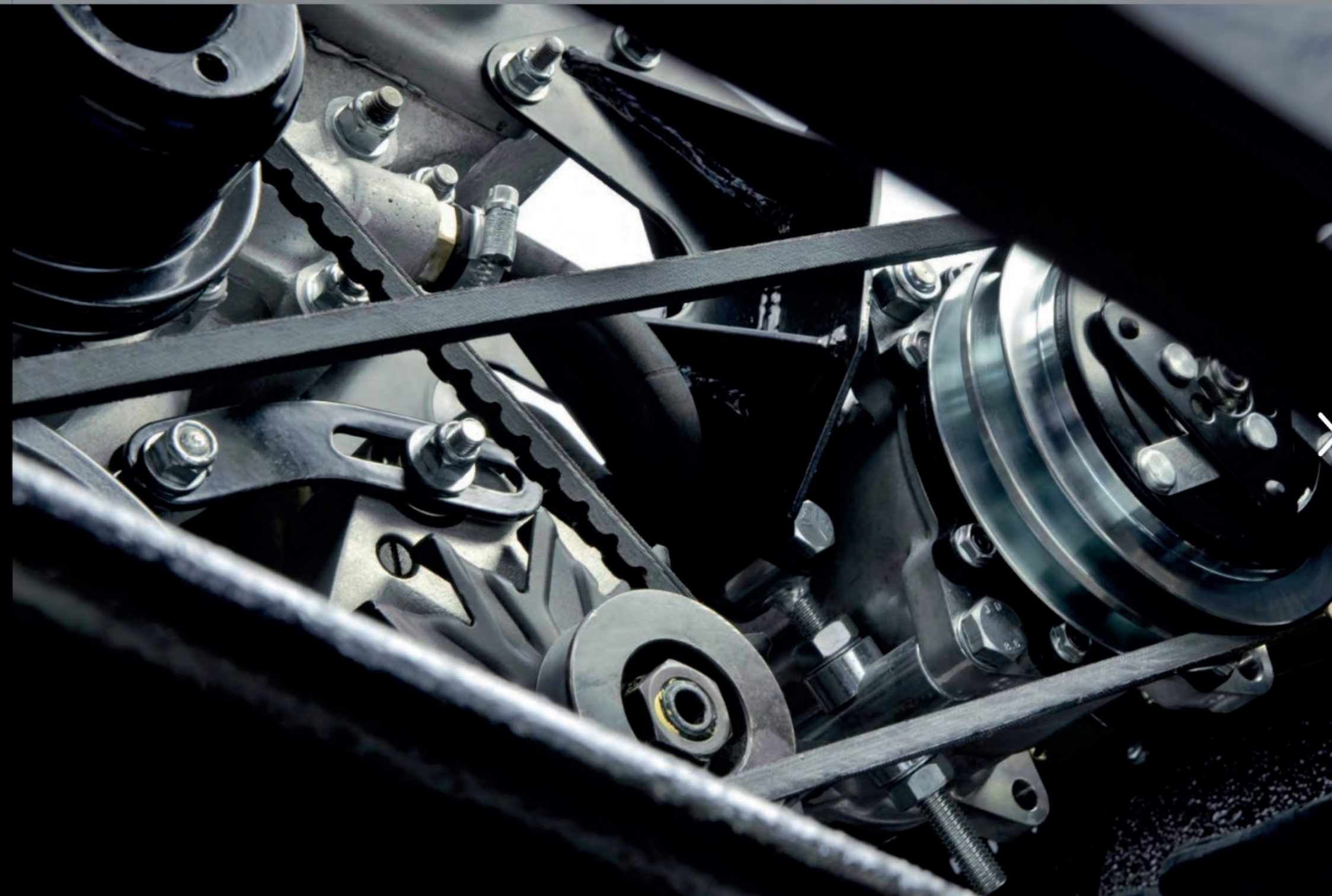
air conditioning

Over the last 10 years, Aston Workshop has gained a considerable amount of experience in providing air conditioning systems for use in tropical and humid climates where ambient air temperatures can regularly exceed 40°C.

Our upgrade package for the DB4, DB5 and DB6 combines the evaporator and heater matrix within a modified heater plenum chamber. Modern, much higher airflow, multi-speed blower motors are used to duct and discharge the air, be it cooled or heated. The outlet vents are usually discreetly fitted to the under dashboard trim panel or centre console.

Depending on the intended car destination, we are delighted to be able to specify the air conditioning systems of various sizes and capabilities. All systems can be individually defined, specified and costed to suit exact conditions.

All-in-all, you can be sure of a very comfortable journey, whether you're darting around the backroads of the Highlands of Scotland or cruising through desert in the Emirates.





A straightforward approach coupled with the confidence of our craftsmanship and expertise ensures a smooth and flawless left hand conversion to satisfy demand.

left hand drive conversion

As one of the biggest specialists dealing in classic Aston Martins, we have noticed an increase in demand for LHD cars but the availability of such cars is extremely small. As a result we have responded to this by developing a series of LHD conversions to satisfy the demand from our overseas clients.

We re-manufacture and acquire all items necessary to carry out the conversion – be it for DB4, 5 and 6's – chief amongst which are the hand-made dashboards.

The quality and original appearance is excellent and anyone contemplating a conversion can rest assured that the process is straightforward, taking no more than a few weeks to accomplish and giving the precise appearance of an original LHD Aston Martin.

You can be further comforted by the fact that we have carried out a large number of such conversions and have all of the experience and craftsmanship to complete the task to the highest of standards, giving a flawless result.

Contrary to what some believe, a premium is often achieved as a result of having a LHD conversion as the demand for such cars is high. The value added to an Aston converted from RHD to LHD is as much, and often more, than the cost of the conversion.



Nowhere is the level of craftsmanship at Aston Workshop more apparent than in the sublime interior appearance of our Bespoke models.

interior & exterior trim

Aston Martins have stunning exterior appearance, but once you step inside, the passenger environment is just as important. The interior of your Aston will be completely re-trimmed to your specification. This includes a wide range of materials in a myriad of colour combinations to give the exact look required.

Modified instrumentation is also available as are optional chrome switches and centre armrest/ glovebox. Sound insulation upgrades are standard on all Bespoke models allowing for longer journey lengths in greater comfort.

Aston Workshop has developed the only electric memory seats that can be retro fitted to the Aston Martin DB5. These offer an unparalleled level of comfort and are fitted with discretion so as not to take from the original aesthetic.

We also offer several levels of heat insulation from specialist exhaust coatings to hidden, lightweight padding in the roof-lining as well as discreet noise insulation. The result is a much more comfortable car than that of the original Aston Martin specification, whatever the climate.

We also use a combination of LED lights and fibre optics for the instrument lighting, giving a modern level of luminosity without altering the look of the original gauges.

Exterior trim includes the fitting of new glass as a matter of course, plus all chrome areas are prepared and re-chromed or fully replaced as necessary.



Peace of mind in the most demanding conditions, our bespoke approach to engine cooling gives reliability in all climates.

engine cooling

To reduce the risk of overheating, the cooling capacity of the typical DB4 or early V8 needs significant upgrading.

Our Imola Cooling Kit is the most effective solution to this problem. It consists of a new uprated aluminium radiator and an electronically controlled Kenlow fan. By carrying out this upgrade, airflow is increased through the radiator when the car is stationary or slow moving. There is also the option of fitting a modern aluminium oil cooler to enhance the cooling system.

The exact specification of radiator and fans is particular to each customer and the climate the car is to be driven in. We will find the perfect solution for each individual case.

For those Astons operating in extremely high temperatures there is even the option to add a second Kenlow Fan to the system for extra performance and reassurance.



A simple modification to give a superior driving experience to a classic car without compromising on style.

electric power steering

Even the most budget of cars these days has power steering as standard. However most classic Aston Martins were built without this now expected feature. Power steering is now a common request from our clients when upgrading their Aston Martin.

Installing an electric power steering system is a simple procedure which radically changes the driving experience. It simply involves the removal of the steering column and its modification with an electric actuator and torque sensor.

These systems are regularly asked for and a replacement modified column can now often be supplied on an exchange basis.

Some minor changes to wiring will be required and an adjustment knob inserted into the dash to give a degree of driver selected assistance. Alternatively, a fixed degree of assistance can be used.

In either instance you can be assured that the installation does not affect the look of the car in anyway.





If you would like any
further information please
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