

RECORD BREAKING HEALEYS the original works story



24-hour endurance record. He used 'standard production cars' to take the production car records International Class D records driven by Donald covering 3100 miles in 30 hours at an average speed of 104.3 mph

'the Endurance car'. It was based on a standard chassis that was prepared with a modified Weslake Francisco in a day! designed cylinder head, 16 inch Dunlop peg drive Unfortunately the original car was scrapped shortly owners of the original 100S cars. wheels and Dunlop disc brakes (a first in production sports cars). There were a number of toll and made it unsafe. aerodynamic modifications with a small aero screen and head fairing, plus an air-cooled battery compartment in the right hand passenger seat and this car was built from scratch with a view to underbody streamlining.

In 1953 Donald Healey had an ambition to take the On Aug 23rd 1954, supervised by the American Automobile club the car set 83 National and Healey, George Eyston, Carroll Shelby, Mort Goodall and Roy Jackson-Moore. A 24-hour In 1954 a new car was commissioned and dubbed average speed of 132.29 mph was set giving the equivalence of driving from New York to San

after the records in the fifties as salt had taken its

Healey expert Jeremy Welch has recreated the 1954 car based on a works lightweight chassis, attempting an endurance record in 2009.

The car needed to be able to sustain the long distance record attempt and as such had to be fully functional. Parts had to be up to the task which ruled out the use of any original components that were not up to the job.

During the development of this car many parts had to be sourced and in some cases remade to match the original. These are now available to

The ambition for this recreated car is to "exceed all Healey non-supercharged records" which means lapping around 150mph for at least 500 miles.

The car has already been timed at 147.2 mph in testing.







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RECORD BREAKERS the Welch story



Early Welch/Brooke history - At the start of the 100 miles trial. Beckshill Speed Trials with Brooke cars. World marine records with Brooke marine.



The motoring history of Denis Welch Motorsport stretches back many years. Jeremy Welch's great, great grandfather John 'Walter' Brooke (known as the Old Governor) started business in 1874, at the tender age of 25. He had trained at Hogg's foundry, in Southwark, London, owned by his wife's family and after a brief trip to the USA set up a foundry and manufacturing business in Lowestoft. England.

The firm commenced in quite a modest way, the business being of a general nature, and



included castings and ironwork for the Fishing and Trawling Fleet which were of course at that time all sailing vessels. Building ironwork, manufacturing machinery including steam retorts, bloater paste machinery, and soldering machines for the handling of both round and oval tins were also made, as well as lifts, hoists and amateur greenhouse hot water systems. On July 28th 1897 he incorporated the company J.W.Brooke and in 1899 they started to make internal combustion engines.

His son John 'Mawdesley' Brooke (known as the Governor) was on the board at the age of 22 and it was he who first took interest in this new phenomena in the year 1892, whilst sailing upon Oulton Broad.



He saw a boat of about 16 feet in length, with a box in the centre of it, coming towards him at

quite a respectable speed. There was no smoke, and practically no noise and his engineering instincts were at once awakened to investigate this boat.

The boat, known as The Old Tub belonged to a Mr Estcourt and was fitted with a benzoline engine—the first engine sent over to the UK by Herr Gottleib Daimier.

He was able to see the possibilities of this type of propulsion and from that day the study of the petrol engine was one of his keenest interests.

His first personal experiment with an internal combustion engine was in 1899, and the resulting machine he believed represented the birth of the three-cylinder internal combustion engine.

Mawdesley was some inventor himself registering patents for an automatic Two Jet Carburetter, the forerunner, of the present day carburetter and a chain 'change speed' gear box, an ingenious arrangement then used on most motor 'buses.

Their first car was tested in 1901 and put on the market in 1902. The company had 100 employees



at this time. This first car was of somewhat unusual design with a 10hp 3-cylinder vertical engine mounted transversely under a very small bonnet it was driven by chains mated to an all chain gearbox.

In 1904 a six- cylinder car was designed and put on the market. The original engine was 35/5" bore, the car being described as 25-h.p. and was the World's Pioneer six-cylinder car, although it was disputed as to whether the six-cylinder Napier or the six-cylinder BROOKE took the road first, but undoubtedly the Firm built the first six-cylinder Marine Motor.



cylinder engine was offered in 1907. This was the hey day for Brooke motor cars after 1913

A 40hp six

as they started to concentrate more on their marine business.

Welch/Brooke family are no strangers to achievement on the competition



stage either. They competed at the very earliest Beckshill Speed Trials and the family firm had notable success with water speed records, taking the 1925 world record and supplying tender boats to the RAF for the Schneider trophy races and latterly built the Virgin Atlantic challenger for Richard Branson.

Denis Welch followed in his Grandfathers footsteps in 1977. After a career in foundry work he switched to cars and built the most successful Healey racing business in the World. They have won just about everything there is in Europe and the UK.

If it's someone with a pedigree you want to build your car, then Jeremy Welch has one of the best, something you just can't get in one lifetime - over 100 years of motoring history and winning throughout.

It is, as they say 'in the blood'.

Family achievements have included:

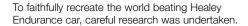
- The World Water Speed Record with a boat called 'Bulldog' in 1925
- Over 340 trophies for motor boat wins
- The European FIA championship with their own Healey in 1990
- The rebuilding of the 1965 Le Mans Austin Healey Sprite and its sister car returning to Le mans 25 years later
- Rebulding the legendary RWD132 original works 100S in 2008/9
- Construction of many Healey championship winning cars

RECREATING HISTORY

the story of a new car







The start point was an original works lightweight chassis which was examined and brought up to specification using our specialised modern jig.

This was then cloaked in an all aluminium body encompassing aerodynamic modifications as per the original works car. The mesmeric metallic green Healey works and went on to be a major part of



paintwork was applied after verifying the colour with the late Geoff Healey shortly before his death.

Finally the detail that was so specific to the original prototype car was carefully matched and verified by Roy Jackson Moore one of the original record

Roy was the North American sales Director for the



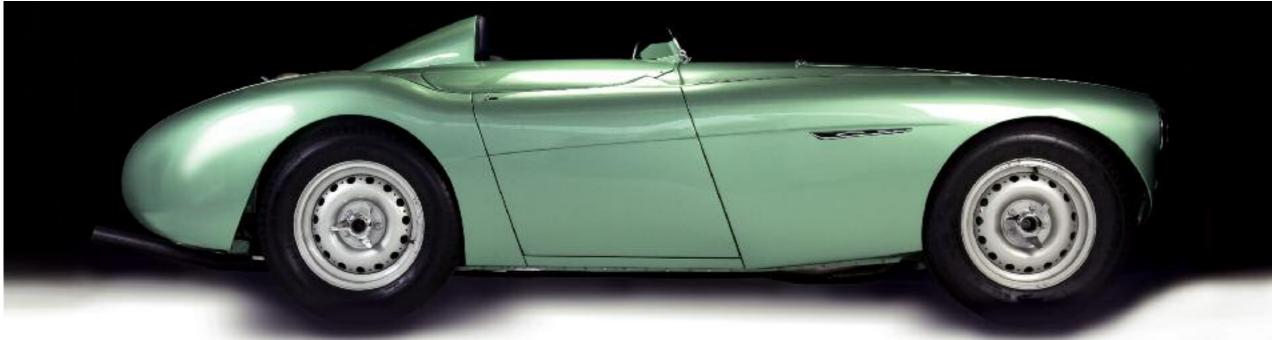
the North American sales effort for British sportscars with names such as Aston Martin. Perhaps his most notable achievement was to introduce Carroll Shelby to AC which resulted in the creation of the legendary Cobra car.

As you can imagine after such a long time there are many things that get re-interpreted and there is nothing like an original competitor giving an on the spot, point of view to verify the real facts.



RECREATING HISTORY

a new car capable of taking on the world





Once the bodywork was complete, attention was directed towards the mechanical elements. The desire to make a car that was capable of breaking made from CAD drawings. a record meant that every component had to be up to the task. Some parts were simply not available and as the original car was a prototype many had to be researched and remade from scratch. This involved CAD drawings and new castings and machining all undertaken in house.



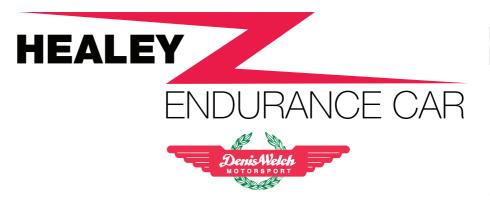
Pegdrive hubs and the rear axle set up had not been made since the works days and were re-

The engine was constructed from scratch using a proven range of parts with adaptations made as and dyno tested in-house. Even the oil cooler had to be remodelled from original drawings incorporating modern filter and flow components. competitive.



Our experience has helped produce a car that has been extensively looked over by ex works personnel and drivers, all of whom have given it a significant thumbs up approval.

The parts developed during this recreation have per the original works performance enhancements been faithfully copied from the original and are a vital source of components for many original works cars, as they allow owners to keep them



Head



In line 4 cylinder Standard +30 (88mm) Bore Stroke Standard (111.1mm)

> 100S Weslake designed 8 port aluminium with right hand exhaust

and induction

Carburation 2x SU 1.75" H6 normally aspirated

Max RPM BHP Enough

Transmission

Gearbox 4 Speed BN2 type, side change

non overdrive, straight cut H/Duty

Final Drive 100S Crown wheel & pinion 2.69 ratio Brakes

Dunlop type Disc brakes 11.25" front and rear

hydraulically operated double piston

Suspension



As original - Front Bottom wishbone with coil spring and top location via hydraulic shock absorber

As original - Rear Semi elliptical leaf spring with hydraulic shock absorber, uprated springs and anti rollbar

Bodywork



2 door sports type - left hand drive All aluminium body on steel chassis with lightweight aluminium bulkheads as 100S

Special construction aluminium tonneau with air scoops, special head fairing

Special air cooling for both engine and oil

Aero screen replaces full windscreen

Plastic safety fuel cell with twin fuel pick ups 100 litre capacity

Top speed 145 mph plus

RECORD BREAKING

taking on the past









The Healey Endurance car was completed in July 2008 and final setup tests were concluded in Oct 2008 with great success. The car achieved its target speed of 147.2 mph, very close to ,the theoretical maximum of the original wind tunnel analysis calculated in the days when the car was designed.

The 1954 works Healey car achieved a 132.81 mph average for 1000 kilometres. The recreated car built with the ambition to 'exceed all non supercharged Healey records' has been developed continuously during the winter to try to better the works record car achievements.

Late 2008 tests had proved the cars straight line speed but further work was required on suspension and aerodynamics to suit the 2 mile circular Millbrook track designated for a record attempt.

The higher speeds achieved at the Millbrook test facility were bordering on the scary, as the original improvements could be made to the configuration made from the Bonneville settings were too harsh leading to some skittishness, which about the flow of air on the front of the car and you do not need at nearly 150 mph.

In a test on 19th March 2009 at Millbrook proving ground during a one hour constant-run it exceeded the speed achieved by its predecessor by 10 mph. It looks as if the car will make an attempt on the

This test was the first outing in 2009 with those improvements on board. The purpose of the test was to run the car for a one-hour constant-test to check long distance running and driver experience www.healeyendurance.com at the wheel and to see how well the engine could pull the tall diff ratio that had been calculated to be required to run at high speed whilst not overstressing the engine which might lead to failure over a long distance.

A wind tunnel test took place in mid April to see if aerodynamics, and significant lessons were learnt through the bodywork, further minor corrections were then undertaken to make that vital difference to outright drag and speed.

1000 km endurance record late in 2009, those who are interested can keep up to date from our



www.bighealey.co.uk +44 (0) 1543 472244

THE NEW 100S

a recreation of the original car











The development of the Healey 'Endurance' car has left Denis Welch in a priviledged position. Their For those with a desire and passion to own such 30 year history building and racing Healeys means that they had the pedigree to undertake such a recreation. Their in house design and CAD manufacturing enabled them to recreate legendary The new 100S created by Denis Welch Motorsport cars such as this, at their base in Yoxall.

The Healey works produced 50 special edition cars style that the original cars captured. called the 100S to celebrate the Endurance car record. They are in short supply these days costing They are produced on a new jig-built chassis made upwards of £300,000.

Using skills long forgotten, such as chassis fabrication, bodywork & engine building - aided by in-house dyno facilities, Denis Welch Motorsport

can build a new 100S specifically for you.

a car they are the answer to a prayer, a turnkey solution to your dreams.

is a faithful recreation of those special edition cars, they are made from new with all the character and

in Britain - to British standards with a race pedigree that ensures stability and stiffness to match. This is a vital platform on which to base a competition or performance car. Lovingly crafted with an aluminium body, built and finished by hand

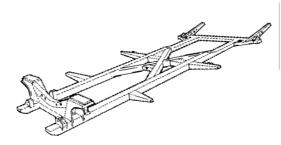
in the traditional fashion, they show what a classic these cars were. Those beautiful design curves drawn by Gerry Coker so many years ago are a joy to look at and are hand painted in traditional colours of your choosing.

Mechanical components such as suspension, gearbox and engine are built to your requirements with due regard to the original cars principles.

Being very faithful to an original 100S, these cars can apply for FIA Historic Technical Passports, this allows entries into many historic events by

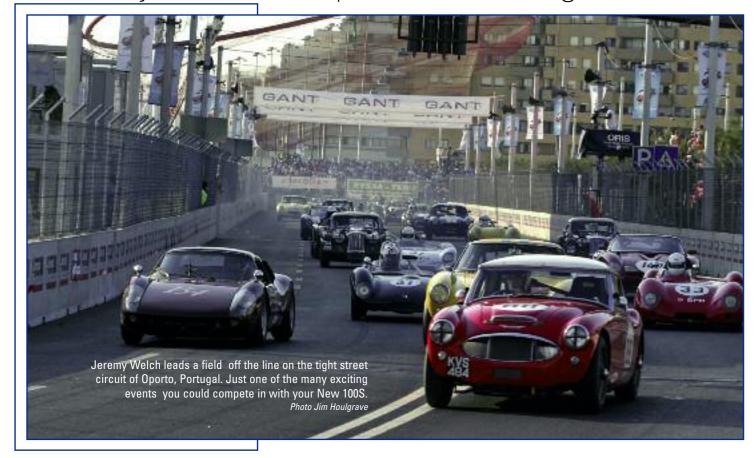
www.bighealey.co.uk

So you no longer have to dream, simply call.





WHERE TO USE YOUR 100S race, rally or road, compete all over the globe



Our New 100S is eligible for events all over the globe whether it be race, rally or road.

The hospitality provided by the series' organisers is second to none at most of the classic events with a private dining area offering food and drink and often a barbeque or party on one of the nights.

This is a great way to get to know your fellow competitors and have an enjoyable time whilst competing. Circuits such as Silverstone, Monza, Porto and Spa Francorchamps are on the race calender. For the adventurous there is the Spa 6 hour endurance with night racing.

There are also many rally events that this car is eligible for - taking you to far flung places.





















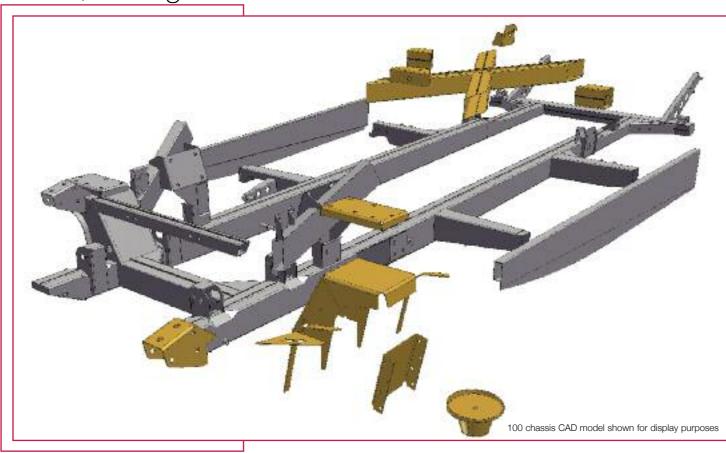




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THE 100S CHASSIS & BODY

stiffer, stronger and corrosion free



For over thirty years we have been involved with Healeys and have constantly endeavoured to produce parts that provide peerless levels of performance in service.

Much of our earlier work involved attempting to make 40 year old components perform well beyond their design life. Frequently they simply failed to survive the rigours of age and the stress of racing.

Chassis were often found to be weak and sometimes the damage incurred was simply too great for them to be successfully straightened.

Our solution to these challenges was to reproduce them from scratch and improve them where weaknesses were found.

Modern design and materials meant we could enhance performance, increasing both strength and rigidity and correct corrosion problems, whilst retaining the compatibility and integrity of the original.

We invested heavily in new tooling to develop a British made chassis that was the equal to our engineered parts.

This required an alignment Jig backed up by new Press Tooling. Thus we were able to ensure highly accurate chassis geometry and complete control of the process, guaranteeing the quality of the finished product.

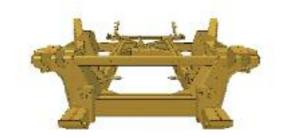
Our 100S chassis is made to these standards with the finest attention to detail and originality.

We have had the opportunity over the years to view an enourmous amount of chassis and make detailed notes regarding their indivdual characteristics and the varying details that inevitably occur in a hand built car such as these.

This together with privileged access to historic records means that we are able to offer customers an exact copy of the original, made from new

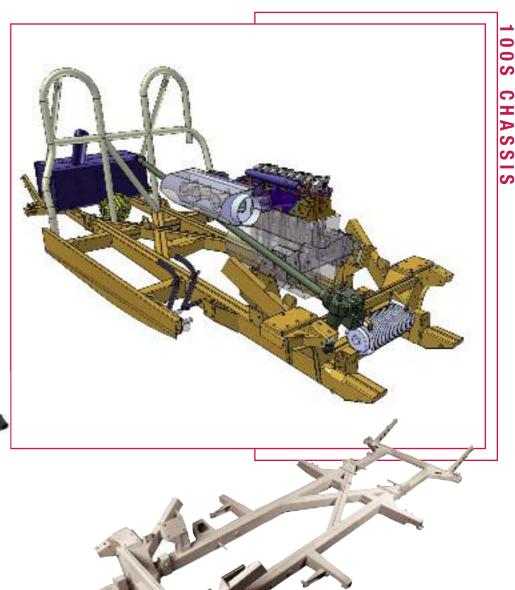
We can also manufacture and supply both 100/4 and 3000 complete chassis together with many replacement parts available for localised repair and strengthening.

These are made using original drawings and CAD design to ensure the correct fit and structural strength.



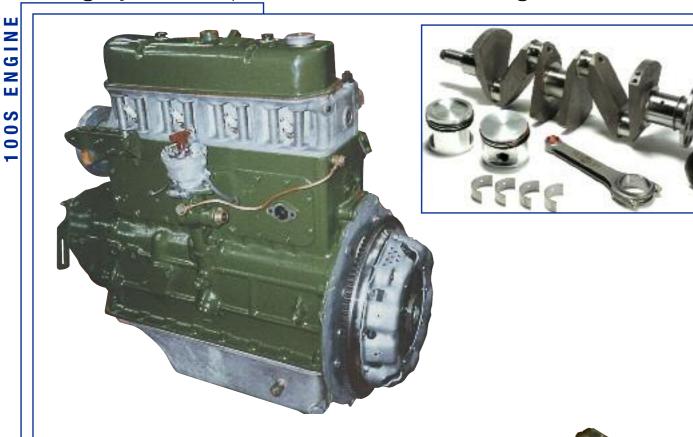






THE ENGINE

a highly developed version of the original



Although the 100S engine is based on a standard 100/4 block there are significant alterations that have been made to improve performance. Water and oil galleries are relocated to match the specialised cylinder head. Oil pump drives were different as were inlet and exhaust which were on the opposite side to the normal 100/4

We offer a complete service for those considering building a 100S engine from re working 100/4 blocks to supply of proven components and upgraded engines.

We will of course build you a complete engine 'ready to go' built to our exacting specifications.



parts are interchangeable with original 100S

ALUMINIUM CYLINDER HEADS

Made with the use of the original works pattern equipment cast in LM25 heat treated and fully computer machined .

Available with precision ground, replaceable, leadfree valve seats of the latest material and complemented by our top quality valves, guides, springs and top caps fully interchangeable with the

Available in two specifications.

STANDARD - unassembled with valves, guides, springs and top caps etc.

FULLY GAS FLOWED -fully assembled, ready to fit.

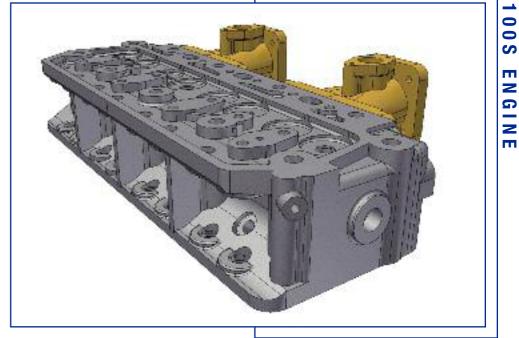


VALVES

Made from one-piece forgings in 214N stainless steel with stellite tips and tuftrided. Suitable for both leaded and unleaded fuel. These are made to the lightest design with original head diameters.

COLISBRO-BRONZE VALVE GUIDES

These are essential in all engines with gas flowed ports whether aluminium or iron and engines converted to lead-free fuel.



ROLLER ROCKER KIT

Comprising of roller rocker arms made from aircraft specification aluminium, offset steel posts, spacers and 100S shaft. These are fully assembled, ready to fit. They are considerably lighter and a higher ratio than standard and therefore not only reduce valve guide wear but also give increased valve lift (1.65:1 theoretical ratio).

OIL PUMP DRIVE SHAFT

Reproduction of the original which incorporates the slot drive for the original 100S distributor drive



REAR AXLE

Specific to 100S multi ratio diff case and bearings



One of the 100S components that requires particular consideration is the differential ratios. The original 100S was made in a limited batch of 50 cars specifically designed for 'drive to the track' competition, as such it had a specialised diff housing that could accept varying ratios.

The availability of original housings is decreasing as they get old, damaged and show signs of wear and as such existing replacements were unsuitable for such a high speed car as the Healey Endurance car so we decided to manufacture them from new.

We were determined to make this a particularly faithful reproduction. There are owners of original cars who are finding a replacement is simply not made to this standard, so we wanted to offer a product that would suit them.

It had to be able to take the original ratios of 2.9 and 3.2 which we have manufactured for some time, again with the benefit of original drawings

We have similarly had to recreate the pinion flange and Heavy Duty seal housing

This now allows us to supply complete brand new assembled diff units built to order.

parts are interchangeable with original 100S

OFFSET DIFFERENTIAL CASING



These differential nose cases are near perfect replicas of the original design. Made in a high grade Aluminium alloy from our pattern equipment and machined to very high tolerances, these are top quality items

CROWN WHEEL & PINIONS

Manufactured in England to original specifications. with the aid of original drawings. A choice of ratios available. 4.1, 3.66, 3.2, 2.9, 2.46.

UP-RATED HALF SHAFTS

Made from brand new forgings of higher grade steel, heat treated and surface treated. These are not only stronger than original they are lighter than any other design available.

A direct replacement for standard.

HIGH DEFLECTION PROP-SHAFT

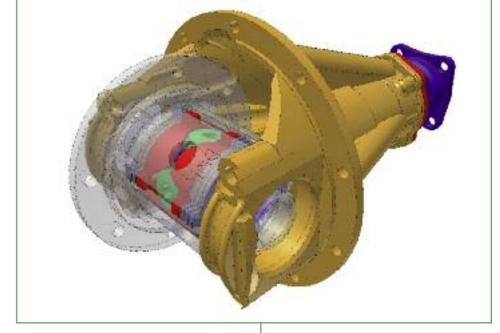
For race and rally cars, these are necessary to stop the universal joints binding up and breaking the nose off the differential when the axle winds up.

COMPETITION HUB SEALS

A considerably higher grade material allows these seals to stand increased heat levels encountered when rear discs are fitted and driving in long distance races, not recommended for road cars.

REAR BEARING CARRIERS

New manufacture of this item means no more loose fitting wheel bearings/studs and hence less load on the half shaft & less brake pad knock off.



REAR HUB STUDS







HEAVY DUTY PINION FLANGE
Top quality reproduction.

INLET AND EXHAUST

special induction and extraction



The original 100S was a marked change from its sister the 100 when it came to induction and exhaust. Harry Weslake redesigned the heads with increased power in mind, but with a view to fitting the standard block. The inlet and exhaust ports were moved from the left to the right, as the push rod location in the original head prevented a full 8 port system. This meant running the exhaust down the right side of the car. Our induction and exhaust system takes full advantage of this reconfiguration.

Our inlet manifold has been remade with the experience and knowledge gained over many years of racing.

The large bore diameter of this system gives increased power from the engine.

We pressure test them to give the utmost performance and quality, as small imperfections in the welds can create an air leak, which is the cause of annoying popping on over run.

Similarly the cold air box has been fabricated after extensive testing on the Endurance car project that involved comparisons with both SU and Weber configurations. Both can be accommodated according to your desired specification.

This is a vital component to get cool, dense air circulating around all the intakes for the carburetters to get a balanced airflow.

parts are interchangeable with original 100S

TUBULAR EXHAUST MANIFOLD

These high grade exhaust systems are manufactured on purpose made jigs to the highest tolerances and specification, they maintain a constant pipe diameter on the bends. Made from top quality stainless steel tube complete with stainless steel flanges. The secondary pipes are supplied loose to achieve the correct alignment when passing the brake master cylinder, a known tight fitting area of the cars design which varies individually on each car.



Developed from early 100/4 competition experience, this silencer ensures the large gas flow capacity of the manifold system is not compromised.



FUEL TANK

Faithful reproduction of the original, fabricated inhouse in aluminium with foam filling to reduce surge and help prevent explosion if impacted.



S.U. INLET MANIFOLDS

Reproduction of the original by ourselves to suit $1^{3/4}$ " and 2".

MANIFOLD BALANCE PIPE

Reproduction of the original by ourselves.



WEBER INLET MANIFOLDS

Similar to the originals, cast from our own pattern equipment.

COLD AIR BOX

Fabricated in house to suit both SU and Webber carburettors.



XHAUS

COOLING

specialist fittings for the 100S



The 100S had a variety of subtle cooling modifications that were different to its 100/4

The water rail and convoluted top hose being typical of modifications made.

To recreate the 1954 Healey Endurance car the cooling had to endure high speeds for a long distance and needed to be right, the oil cooler design was evaluated in terms of flow and filtration performance from the perspective of modern technology and design.

The original spring rates and filtration were of concern to us and we sought improvements to maximise efficiency, but we were ever vigilant to ensure that to all extents and purposes it was a faithful replica of the original design.

We'd seen other copies and were not sure they would give us the safety margin at the edge of performance that we needed for the Endurance car, this product is the result.

This is typical of the type of product design and development that we undertake at Denis Welch Motorsport where our racing pedigree, in house design and manufacturing give us a distinct advantage in problem solving and product development.

parts are interchangeable with original 100S

ALUMINIUM RADIATOR

New and light weight with correct hose fittings.

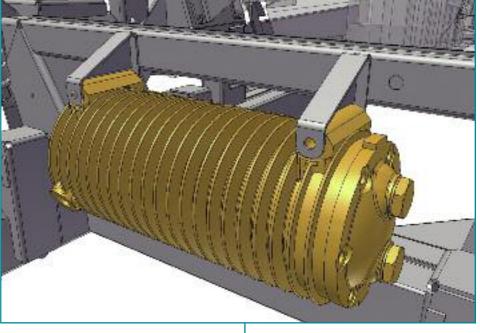
OIL COOLER

A faithful recreation of the original fluted cylinder design, made with modern materials and special internals to ensure optimum flow and cooling performance.











WATER RAIL

Our reproduction of the original cast aluminium water rail which fits to the cylinder head.

TOP HOSE

The original convoluted type

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better than the original



The original 100S was the first production sportscar to be fitted with four wheel disc bakes, these being manufactured by Dunlop. They used round brake pads with some even having chrome plated discs.

These brake systems were not without their teething troubles, with issues concerning flexing of callipers and heat sink problems that caused reliability worries often known as "Dunlop Fear".

We are privileged to have had access to many of the original prototype brake design drawings, both for the production and Record Breaking cars. Many are branded "Dunlop Aviation Research and Development Department".

With this knowledge, we were able to take a closer look at the original design and by implementing modern metallurgy and safety improvements, the resulting product has proved to be a superior and more effective system than the original.

We offer a choice of original round or later square brake pads and calliper bodies. The later being easier to check pad life and simpler to change. Both types are made by ourselves for the front and rear of the car with a wide choice of modern brake pad materials.

parts are interchangeable with original 100S

CHOICE OF ROUND OR SQUARE PAD TYPE

COMPETITION PISTON ASSEMBLIES

Aluminium bodies with stainless steel pistons and modern seals. These help reduce the heat sink and reduce piston pull back.

Must be used with brake pads which have thick steel backing plates.

Alternative piston diameters available to order.

COMPETITION BRAKE PADS.

Available in a variety of compounds, bonded to a thick steel backing plate.

To suit the small Dunlop Calliper 48 mm sq. or $2^{1/2}$ " round

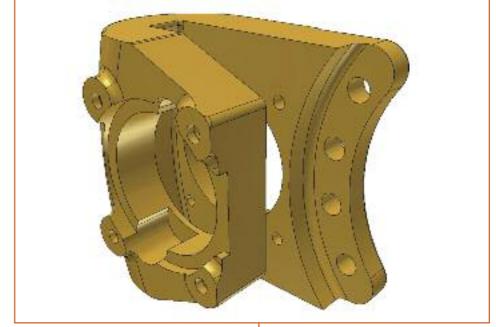
PAD RETAINER

Reproduction of standard.

COMPETITION DISCS

These ^{1/}₂" thick competition discs are made from very high quality castings to withstand the temperatures and rigours of racing and performance road work. 11^{1/}₂" diameter as the originals.







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keeping it all facing the right way



Over the years we have been racing Healeys we have naturally developed suspension components to give improved performance.

We have also noticed just how much the original components were subject to failure so have often remanufactured new items with modern metallurgy and safety in mind, radiusing corners to avoid cracking and allowing changes in camber angles required for better grip.

The Endurance car provided new stimulus to remanufacture the earlier items such as steering lever arms, shims and spacers as well as wheel bearing carriers. We carry a wide range of components backed by a wealth of experience that can assist customers whatever their chosen sporting discipline.

parts are interchangeable with original 100S

COMPETITION SPRINGS

A variety of spring rates to suit the suspension characteristics required.

SPRING PLATFORM

Reproduction of standard.

TOP TRUNION

Machined from new forgings as per original.

STEERING LEVERS

Made from our own press tool and machined with the aid of original drawings.

HEAVY DUTY FRONT STUB AXLES

After having three original front stub axles snap off on our race Healey many years ago, we decided that something had to be done. Therefore we have taken brand new bare forgings and machined them with bigger radii where possible. These come ready to fit with reamed kingpin bushes.

FRONT LOWER WISHBONES

Machined from new forgings.







RECENT HISTORY the company today



Fully equipped facilities with body shop and servicing, parts design manufacturing and store. Engine building, Dynamometer and Race transportation.



The company that you see today is the culmination of many years hard work and experience.

A few years ago Jeremy Welch acquired the company from his Father - Denis and has continued to develop it with great success since. He has improved the facilities and reinvested in the business to ensure we stay ahead of the competition.

It comprises of one of the most complete organisations in the classic car field, specialising not just in Healeys & Jaguars but sports racing cars in general.

We service, rebuild and develop cars for race, rally and the road and the cars we cater for include legendary ex-works and Le Mans cars.

Our ambition is to 'be the best' and few other companies match our passion for excellence, skill levels and resources.

Our base near Burton on Trent is staffed by 24+ experienced personnel and can offer:

- BODY SHOP using the latest paint technology
- SERVICING AND MOT
- ENGINE & GEARBOX REBUILDS
- PARTS STORE to supply almost anything you might need many items made in house
- DYNAMOMETER state of the art facilities with a barrage of sensors to provides a huge amount of information on the engine's performance. Which enables us to cater for more exotic engines such as Cosworth BDA/BDG's and American V8's, up to 850 bhp & 14,000 rpm giving them our 'winning edge' too.

TIMELY ADVICE

We can advise on a particular car or type of competition, using our vast competition knowledge to specify choice of engine, cam, crank, gearbox or wheels etc. This often helps to avoid expensive oversights such as ensuring that crankshafts are crack detected before being rebuilt.

DEVELOPMENT CONSULTANCY

For those interested in pushing the envelope even further we offer a consultancy service for car

development. Using cutting edge of technologies from other racing formula, we can help to develop solutions for performance to give that all-important competitive advantage.

• RACE SUPPORT & TRANSPORTATION

Our customers come from many different countries - the USA, Germany, France and Italy plus some southern hemisphere countries - we even have ice racers from Norway and they don't come all that way without good reason. They want to win and we help many of them do just that. We can help make racing even easier by transporting your car to the circuit and looking after it over the weekend in our own transporter & awning.

EVOLUTION FOR THE FUTURE

The evolvement of the business under Jeremy Welch's stewardship has taken the company to a new level. Using the very latest CAD/CAM techniques we are offering a wider and wider range of new products. Recent investment in a 5 axis milling machine means that we will be able to offer reprofiling and head porting in-house soon.

68 page



Big Healey & 44 page E-Type Perfomance Catalogues



We are developing our own lightweight E-Type Jaguar for the coming season to run alongside our customer E-Types, which have already seen success, recent results are:

3rd overall - Spa 6hr 2008

1st overall - Monza GT&SCC 2008

3rd overall - Monza GT&SCC 2009

1st overall - Silverstone Coys Double 2009

No matter what you require – we are here to help, to advise and to advance your dreams.





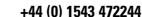














"It is no mean coincidence that

today we specialise in four and six cylinder racing engines."

Our involvement in the competition side of motor racing extends back over 100 years to the days of the pioneers. Jeremy Welch's great grandfather built the first six cylinder engine ever made in the UK in 1904 and went on to build Brooke Marine racing engines with notable success. Our own development programme is headed by our highly successful Big Healey (Reg KVS 484), one that

has seen success all over Europe. It is supported by our class winning 100/4.

Our experience has extended from Ford Anglias, single seaters, sports racing cars, to 24hr Touring Cars and beyond. unning these cars has resulted in a world conquering array of parts that quite simply guarantees success to almost anyone.



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