

Distributors of quality spare parts throughout the world.



16 Jubilee Way • London • United Kingdom • SW19 3GZ
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email:sales@hotbray.net • www.hotbray.co.uk • www.eurospare.com



Distributors of quality spare parts throughout the world.

Since 1972 Hotbray Ltd has been building a worldwide reputation as a competitive and reliable source of automotive spare parts.

Our considerable experience in this field has resulted in comprehensive contacts throughout the Automotive Industry, which allow us to offer an unrivalled range of high quality spare parts.

Our trading history and in-depth knowledge of dealing with a wide variety of requirements and customers has resulted in a fully flexible and tailored approach to your export needs.

From the Independent specialist and Importer to Government departments and internationally funded projects – We are able to draw on our expertise to assist and deliver products that match your specific criteria.

Hotbray Ltd is the <u>only</u> Authorised Exporter for Land Rover, MG Rover and Jaquar spare parts.

Hotbray Ltd are proprietors of the *eurospare* brand of quality replacement spare parts for British 4x4 and Prestige Vehicles

Hotbray Ltd specialise in the wholesale of automotive spare parts, our service can provide a variety of delivery options, from air and sea freight to urgent courier or Truck/Trailer despatch.

Our service is to provide you with the options that work for your market and customers.

eurospare



www.eurospare.com

Your route to quality parts for 4X4 and prestige vehicles.

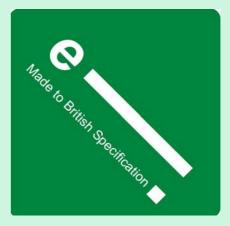
The *eurospare* range of products for 4x4 and prestige vehicles is designed to offers workshops a high quality, competitively priced range of spare parts.

The *eurospare* commitment is to supply you the right part of Original Equipment or higher quality. We will not be led by our competitors in supplying 'cheaper', inferior quality parts.

eurospare has recognised the requirements of modern workshops and end users in needing to locate a source for parts of a consistently high standard...

eurospare offers parts of consistent OEM and above quality.

eurospare offers a price that is competitive with all other aftermarket sources for parts of equivalent specification



eurospare parts are frequently sourced from original equipment suppliers to ensure that the parts have been built to at least and in many cases higher than the specification required during original vehicle build.



eurospare range reflects the need of the modern prestige car and 4 X 4.

eurospare works closely with its worldwide distribution partners to ensure total customer satisfaction. We have furthered this commitment and are proud to achieve trade mark status for the eurospare brand.

You can be sure if the part is not up to the required standard it will not receive the eurospare endorsement.

To take the guesswork out of buying parts contact us at eurospare@hotbray.net





of stock available in the UK at any one time.

What's more, XPart has an official Export Trading House for MG Rover parts - **Hotbray Ltd.**

Hotbray is ready to deliver

all the original parts you could want, whenever and wherever you need them. And they can do it all at prices that make perfect sense.

So next time you need to work on an MG or a Rover, you know what to do.

Contact Hotbray. We'll give you the facts AND provide you with all the parts you need - now and in the future.

XPart is a wholly owned division of Caterpillar Logistics Services (UK) Ltd.

Contact:



Tel: +44 (0) 20 8545 0011 Fax: +44 (0) 20 8545 0020

> Hotbray Ltd 16 Jubilee Way London SW19 3GZ

> sales@hotbray.net



You CAN get Genuine MG Rover Spare Parts!



Hotbray are the leading exporter of MG Rover Genuine spare parts with over 35 years experience.

Since August 2003 MG Rover Genuine spare parts have been owned and operated by XPart (a division of Caterpillar Inc) who continue the worldwide sourcing and supply Genuine MG Rover spare parts.

With the demise of the MG Rover Group in 2005 XPart has continued to strive ahead with sourcing of MG Rover spare parts.

This includes many parts for the later Rover built cars that are being sourced off the original Longbridge factory tooling.

This production rights of Rover are now owned by Chinese car giant Shanghai Automotive Industry Corporation (SAIC), the Longbridge tooling and ownership of the MG Brand by Nanjing Automobile company (NAC).

The commercial relationship between XPart and the new owners is paramount in securing late model MG & Rover parts for the aftermarket, this relationship has been further enhanced by the planned merger of SAIC & NAC during 2008 – finally reuniting the brands.

With planned shipping of parts from the original tooling now fully underway there is no doubt that availability of parts to keep these vehicles on the road will not be an issue for any repair.

XPart are committed to carrying on the supply and distribution of MG Rover parts and we receive daily deliveries from their global distribution centre.



With an instant computer link and ordering facility we can provide a service to match whatever your current requirements may be.



XPart are the only source for Genuine MG Rover spare parts.

Hotbray are proud to be part of their global supply strategy to keep MG Rover vehicles maintained, serviced or repaired as their owners require.







Hotbrays involvement with MG Rover spare parts over the years has led to considerable experience in sourcing and supplying parts for Classic Mini vehicles.

Along with Genuine labeled products we are also able to offer the complete range of body parts from British Motor Heritage Ltd.



British Motor Heritage can help you to keep Britain's best-loved cars, such as the original Mini, or the road and in fine shape. Original Equipment quality Heritage panels, sub-assemblies, subframes, and many other parts are available to repair most types of Mini, now including the very last models made in 1997-2000. See our website for details of our huge range of classic parts from badges to bodyshells.



British Motor Heritage Limited Range Road Witney Oxfordshire OX29 OYB United Kingdom

Tel **01993 707200** Fax **01993 707222** email **sales@bmh-ltd.com** web **www.bmh-ltd.com**

British Motor Heritage Limited (Heritage) has evolved over 33 years, always with the objective of supporting British classic car owners. It has sought to provide genuine components, using original tooling, materials and processes wherever possible, but also exploiting improved technology where appropriate.

Heritage has full access to authentic tooling, engineering drawings and production information, enabling it to provide previously unobtainable parts such as body panels for British classic cars. No other company in the world can offer complete factory-standard body shells for cars up to 45 years old. Since production of the MGB body shell began in 1988, Heritage has produced over 6000 body shells in a range of 42 derivatives (MGB, MGB GT, MG Midget, Austin Healey Sprite, TR6, original Mini and Mini Clubman/1275GT).

Heritage body shells and panels are produced using original press tools and assembly jigs, by a traditionally skilled workforce. Where beneficial, modern materials, equipment and processes are also applied. For example, many zinc-coated panels are used, and all shells and panels have the superior corrosion protection of today's pre-treatment and cathodic electroprimer.

Heritage is based in Oxfordshire, and occupies a modern building with 51,500 sq ft working area. It is a fully integrated facility, with administration, manufacture and high-bay parts storage all under one roof. The parts inventory, of around 10,000 product references, totals over £2 million, and the company's annual turnover is around £4 million. It is a British Standard ISO 9001-2000 accredited supplier to Jaguar, Land Rover, Unipart and XPart.

ORIGINAL TECHNICAL PUBLICATIONS NOW AVAILABLE ON CD ROM

THE PARTS CATALOGUE, WORKSHOP MANUAL AND DRIVER'S HANDBOOK YOU NEED FOR YOUR CLASSIC BRITISH CAR – ALL ON ONE CD ROM!

Introducing the exciting new range of classic car original technical publications on CD from the Heritage Motor Centre.

Original parts books, workshop manuals and handbooks for the classic models from the Rover Group, British Leyland, BMC and Standard Triumph stables have always been greatly sought after, and rightly so: nothing compares, for example, to an Austin Healey workshop manual compiled by the car's manufacturer. Now for the first time owners and enthusiasts have the opportunity to effortlessly collect all the original publications for their car, on one handy and cost-effective CD Rom.

By combining the incredible resources of the archive at the Heritage Motor Centre with the industry-proven electronic publishing expertise of Mark Greer & Associates, an unequalled range of original technical publications is now being made available for models produced by such great marques as Austin, Austin Healey, MG, Mini, Morris, Riley, Rover, Triumph, Vanden Plas and Wolseley.

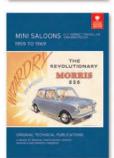
Each CD Rom focuses on one model or family of models and each has the same format: the original parts catalogues (from parts book and/or microfiche, as appropriate) are followed by the workshop manuals and driver's handbooks, all reproduced in an easy-to-use and easy-to-print PDF format. Also included on each CD Rom are details about the Heritage Motor Centre and the British Motor Industry Heritage Trust, along with useful information for relevant car clubs and enthusiast's organisations, plus PDF reader software for those requiring it.

Each is available from Hotbray. For orders or enquiries, or to find your local stockist, please contact the Hotbray Ltd on +44 (0) 20 8545 0011 or sales@hotbray.net











	57 1 1990 00 0
AUSTIN HEAL	EY
HMCC1001	Austin Healey 100 and 100/6, 1953 to 1959
HMCC1002	Austin Healey 3000, 1959 to 1968
HMCC1003	Austin Healey Sprite and MG Midget, 1957 to 1964
BMC/BRITISH	LEYLAND
HMCC2005	BMC 1100 and 1300 Range, 1962 to 1974
HMCC2006	Special Tuning Data and Parts, 1950 to 1976
MG	
HMCC3003	MG TA, TB, TC, TD and TF, 1936 to 1955
HMCC3004	MGA, including Twin Cam, 1955 to 1962
HMCC3005	MGB and MGB GT, 1962 to 1969
HMCC3006	MGB and MGB GT, 1970 to 1974 (chrome bumper)
HMCC3007	MGB and MGB GT, 1974 to 1980 (rubber bumper)
HMCC3008	MGC and MGC GT, 1967 to 1969, MGB GT V8, 1972 to 1976, MGR V8, 1992 to
HMCC3009	MG Midget and Austin Healey Sprite, 1964 to 1974
HMCC3010	MG Midget 1500, 1974 to 1979
HMCC4001	Mini Saloons, Elf, Hornet, Traveller, Van and Pick Up, 1959 to 1969
HMCC4001	Mini Saloons, Ett, Hornet, Haveller, Varrand Pick Up, 1985
HMCC4002	Mini Saloons and Cabriolet, 1985 to 2000
HMCC4003	Mini Moke, 1964 to 1968, Authi Mini, 1968 to 1975, Innocenti Mini, 1965 to 1975,
MORRIS	William Moke, 1701 to 1700, Matta Willia, 1700 to 1770, Illinoconta Willia, 1700 to 1770,
HMCC5001	Morris Minor Range, 1948 to 1971
ROVER	and the second s
HMCC6001	Rover SD1 Range, 1976 to 1987
TRIUMPH	
HMCC7001	Triumph TR2, TR3 and TR3A, 1953 to 1962
HMCC7002	Triumph TR4, TR4A, TR5, TR250, 1961 to 1968

Triumph Herald and Vitesse, 1959 to 1971

Triumph 2000, 2500 and 2.5PI 1963 to 1977

Triumph 1300, 1500, Toledo and Dolomite, 1965 to 1980

HMCC7003 Triumph TR6, 1969 to 1976

HMCC7006

HMCC7007

HMCC7008

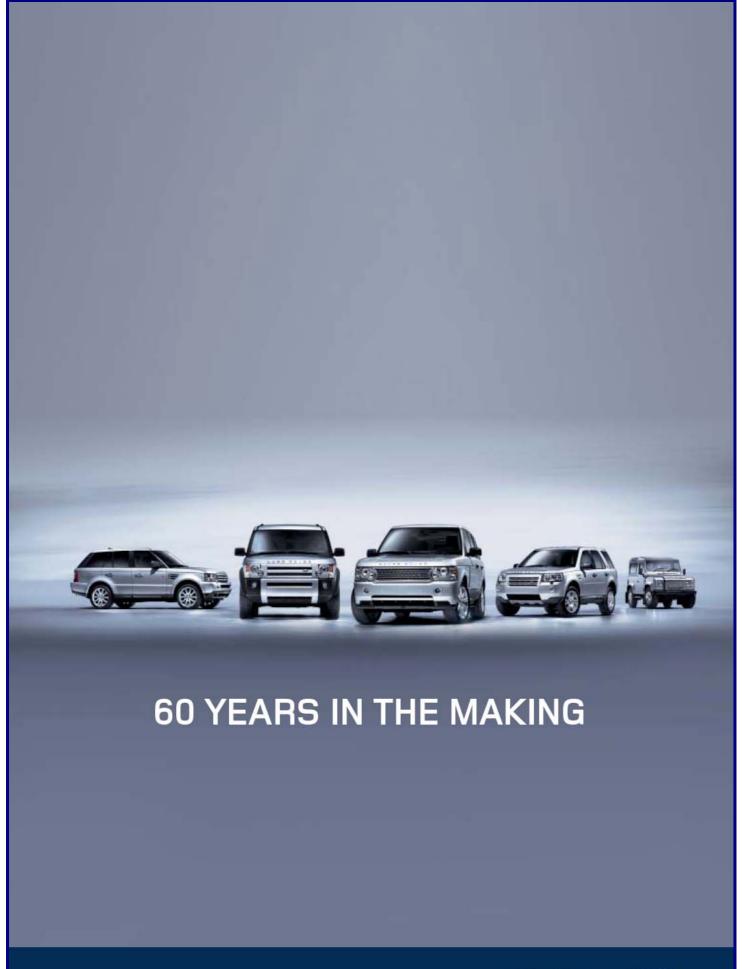
HMCC7009

HMCC7010

HMCC7004 Triumph TR7 and TR8, 1975 to 1981 HMCC7005 Triumph Spitfire, 1962 to 1980

Triumph GT6, 1966 to 1973

Triumph Stag, 1970 to 1977





LAND ROVER GENUINE PARTS AND ACCESSORIES.

Hotbray are able to provide a complete 'one-stop' supply service for Land Rover Genuine spare parts and accessories.

We receive daily deliveries from Land Rover and our direct computer link assists in the planning and processing of orders.

Our extensive library holds key MSDS and tariff code data to enable the smooth import of any shipment as required.

Land Rover genuine parts are manufactured to the stringent specifications of the original component, guaranteeing maximum performance and economy. Land Rover genuine parts ensure a perfect fit every time and are vital in maintaining the long life and impressive capabilities of your vehicle.

In recognition of the expertise Hotbray offer we have been appointed by Land Rover to assist with the parts supply to several Land Rover dealers worldwide.

Land Rover have reached a significant milestone this year – celebrating 60 years of vehicle production – the first 'public' showing of the original Land Rover was the 1948 Amsterdam Motor Show.



From humble beginnings the brand can now boast sales figures exceeding 200,000 vehicles in 2007.

New and used Land Rover vehicles are already packed with standard features. But not all Land Rover drivers are the same and some want to enhance their vehicle with further tailor made accessories.



A full range of accessories like roof boxes, child seats, protective covers, winches and class leading technology like DVD players are available through the Land Rover accessories programme.

Land Rover Gear is a unique range of great outdoor clothing and equipment that's ideal for expeditions or adventures in any climate. It includes high-quality trekking and survival aids, high-tech bikes, Land Rover mementoes, kids' clothing, toys and die-cast models. For Land Rover enthusiasts it's the authentic, original Gear.

LAND ROVER CHASSIS NUMBERS NOVEMBER 1979 ONWARDS (EU / ROW)

BUILD	٩	- Solihull	- Zimbabwe	- CKD	- Malaysia	- Kenya	- Pakistan	- PKD	/ - South Africa	W- Turkey																																		
MODEL	٨	A - 1984	B - 1985 C	C - 1986 F	D - 1987	E - 1988 K	F - 1989	S - 1990	И – 1991	- 1992 W	(– 1993	- 1994	M - 1995	1996	- 1997	W- 1998	X - 1999	2000	- 2001	2 - 2002	3 - 2003	4 - 2004	5 - 2005	9006 - 2006	- 2007	8 - 2008	6 - 2009	A -2010									High Octane Unleaded	popular our to Come	ow Octaile Oilleaded	High Octane Leaded	Low Octane Leaded	Leaded	Unleaded	Petrol
TRANSMISSION	2	1 - 4 Spd Man RHS	2 - 4 Spd Man LHS B	3 - Auto RHS	4 - Auto LHS	7 - 5 Spd Man RHS	7 - 6 Spd Man RHS F	8 - 5 Spd Man LHS	8 - 6 Spd Man LHS	C	¥		2	<u>F</u>	>	Λ	×	>	П	2	<u>e</u>	4	5	9	2	8	6	4									T OH				TOT	, , , , , , , , , , , , , , , , , , ,	UL L	Pet
ENGINE	I	1 - 276DT V6 Diesel	1 - 3.5 V8i / 4.0V8 AUS (LC CAT)	2 - 3.6 V8 Diesel	2 - NAS 4.0 V8i / 4.0V8 EC (HC CAT)	3 - 4.2 Efi / 4.0V8 ROW (LC NON CAT)	3 - 428PS AJV8 4.2S/C Petrol	4 - 406 PN - V6 4.0 Petrol	4 – NAS 4.6 V8i	5 - 2.0 Mpi	5 - 448 PN - AJV8 4.4 Petrol	6 - 2.5 Tdi Cat	7 - 2.5 Tdi / TD5 ROW	8- TD5 EC (EU3 + EGR cooler) & Jap. Def.	9 - TD5 EC (EU2) & Jap. Disc. II / 2.8 M52 Pet.	A - 2.5 DNAT / 4.0 V8i / 1.8 "P" HOU	A - TD5 (EU3 no EGR Cooler) / 4.4 V8 Catalyst	B - 4.4 V8 Washcoat Catalyst	B - L/R 2.5 Turbo D / 2.0 L series Diesel	C - 2.5 DNAT / 4.6Efi non cat / 1.8 "P" LOU	C - 3.0L 6Cyl Diesel	D - 2.5 Petrol / 4.6 V8i / 1.8 "P" LOL	E - 3.5 V8 HC Carb / 2.4 VM TD / 2.0L M47 Diesel	F - 2.5 200 & 300 Tdi / 1.8 "P" HOL	G - 2.25 DNAT / KV6 2.5 UL	H - 2.25 Petrol / KV6 2.5 L	J - 4.6 Efi / KV6 Ethanol	L - 3.5 Efi	M - 3.9 Efi / 4.0 Efi P38A	N - 2.5 VM	P - 2.6 PET / 4.0 V8 (HC CAT) ECD3	S- 2.4 Diesel (Euro 4)	T - 2.4 Diesel (ROW)	V - 3.5 LC Carb	W - M51 Diesel	Y - 2.0 Mpi	First Generation Range Rover	موريون موردو موزادين مور المرد	Zilu Gerleration Range Nover	3rd Generation Range Rover	Discovery 3 / L319	Range Rover Sport		
BODY TYPE	٧	- 4 Door	A - 4 Door	- Freelander - 3 Door	- Pickup / hardtop / ommercial	B - 3 Dr SW / 2 Dr Classic	B - 3Dr Discovery	- Freelander - 5 Door	F - Defender 4 Dr Crew Cab	1 - HCPU, 4Dr Crew Cab HCPU	M - 4 Door RR	M - 5 Door SW	R - Monteverdi		<u>.</u>																						Classic				L319	L320		
WHEELBASE / CHASSIS	>	A - 88"/ Classic / P38A / 90 XD 7	A - Freelander TL1 / DISC II JAPAN	A - L319 Standard	A - L320 Standard		B - 108" Auto Classic / Lightweight / 110 B XD	B - Freelander Commercial	C - 109" / 130 XD / 108" Classic Manual F	D - 109" 1 tonne	G - 100"	H - 110"	J - Japan	K - 130" / 127"	M - Special Projects	R - Japan / 110 - 24V	S - 90 - 24V	N- 90"																			Australia	040/1-CM	0	f World	Japan	MOD Heavy Duty Defender		
MODEL RANGE	9	LA - L319 (Discovery III)	LB - Series 3	LD - Defender	LH - Classic	□ - Discovery	LM - L322 (RR)	LN - Freelander	LP - P38A	LS - L320 (RRSport)	LT - Discovery II	_	•	_		_																					AUS				Лар	XD		
PREFIX	SAL	SAL -	Land Rover UK						1																												Kev:			<u>.</u>		^		

LAND ROVER CHASSIS NUMBERS NOVEMBER 1979 ONWARDS (NAS / MEXICO)

LAND ROVER CHASSIS NUMBERS FREELANDER2/LR2 (L359 ALL MARKETS)

						,		
REFIX	MODEL RANGE	CLASS	BODY STYLE	ENGINE	TRANSMISSION	CHECK DIGIT	MODEL YEAR	PLANT
SAL	۲	>	-	2	4	*	×	∢
	A - LR3	A - SE	FREELANDER	1 - 1.8 K16 LOU	2 - LHD AUTO FREELANDER	VARIABLE	н - 1987	A - SOLIHULL
tover UK	D - DEFENDER	A - LR3 STD	1 - 4 Door RR	1 - 4.4 V8	4 - LHD AUTO		J - 1988	
	H - CLASSIC	A - RR Sport STD	1 - 5 DR SW	1 - 3.5 V8 Efi	8 - LHD 5 SPD MAN		K - 1989	
	J - DISCOVERY	B - HSE (NO LUXURY PACK)	2 - 4 Door RR Sport	2 - 2.5KV6 UL			L - 1990	
	M - L322	C - HSE (WITH LUXURY PACK)	OPEN	2 - 3.6 V8 Diesel			M - 1991	
	N - FREELANDER	C - RR Classic LWB	2 - 5DR FREELANDER 2	2 - 3.9 V8			N - 1992	
	P - P38A	C - TLI FREELANDER	3 - 5 DOOR LR3	2 - 4.0L V8 HC CAT			Р - 1993	
	S - RR Sport	D - LIMITED EDITION (TBA)	3 - Defender 90 SW	3 - 4.2 V8 Efi			R - 1994	
	T - DISCOVERY II	E - 5 SEATS LEATHERETTE		Petrol			S - 1995	
		E - HSE No Luxury Pack		4 - 2.0 M47 DIESEL			T - 1996	
		F - HSE Luxury Pack		4 - 4.6V8 TIER 1 HC CAT			V - 1997	
		H - ADVENTURER LE 5 SEATS		4 - V6 4.0 PETROL			W - 1998	
		H - Westminster/Autobiography		5 - 4.0L V8 LEV HC CAT			X - 1999	
		J - ADVENTURER LE 7 SEATS		5 - 4.4 PETROL			Y - 2000	
		K - LEATHERETTE TRIM 7 SEATS		5 - 448PM AJV8 4.4 Petrol			1 - 2001	
		L - LEATHERETTE TRIM 5 SEATS		6 - 4.6 ULEV HC CAT			2 - 2002	
		M - CLOTH TRIM 5 SEATS (FRE)					3 - 2003	
		N - CLOTH TRIM 7 SEATS					4 - 2004	
		N - Standard					5 - 2005	
		P - HSE - 5 SEATS					9002 - 9	
		R - HSE - 7 SEATS					7 - 2007	
		V - 5 SEATS LEATHER CLASSIC					8 - 2008	
		V - Defender 90					6 - 2009	
		W - LEATHER TRIM 7 SEATS					A -2010	
		Y - LEATHER TRIM 5 SEATS						
	Classic	First Generation Range Rover	ПОН	High Octane Unleaded				
	P38A	2nd Generation Range Rover	гол	Low Octane Unleaded				
	L322	3rd Generation Range Rover	ГОГ	Low Octane Leaded				
	L319	LR3	nr	Unleaded				
	L320	Range Rover Sport						

LAND ROVER CHASSIS NUMBERS NOVEMBER 1979 ONWARDS (NAS / MEXICO)

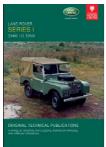
	j	LAND ROVER CHASSIS NUMBERS FREELANDER2/LR2 (L359 ALL MARKETS)	SSIS NUMBI	ERS FREELANI	DER2/LR2 (L359	ALL MAR	(ETS)	
PREFIX	MODEL RANGE	CLASS	BODY TYPE	TRANSMISSION	ENGINE	CHECK DIGIT Model Year	Model Year	PLANT
SAL	ш	Ь	2	4	z	*	8	I
SAL -	F - L359	A - STANDARD	2 - 4 DOOR	3 - RHD AUTOMATIC	A - 3.2LTR PETROL	VARIABLE	7 - 2007	H - Halewood
Land Rover UK		P - NAS SE		4 - LHD AUTOMATIC	B - 2.2LTR DIESEL		8 - 2008	
		R - NAS HSE		7 - RHD MANUAL	C - 2.2LTR DIESEL WITH DPF		6 - 2009	
		S - NAS TECHNOLOGY PACK		8 - LHD MANUAL	N - 3.2LTR PETROL NAS		A -2010	

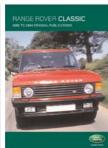
eurospare®

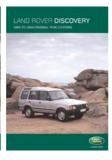


www.eurospare.com

THE PARTS CATALOGUE, WORKSHOP MANUAL AND DRIVER'S HANDBOOK YOU NEED FOR YOUR LAND ROVER - ALL ON ONE CD ROM!







Introducing the exciting new range of Land Rover original technical publications on CD Rom, available now via *eurospare*.

Original parts books, workshop manuals and handbooks for Land Rovers have always been greatly sought after, and rightly so: nothing compares, for example, to a Land Rover workshop manual compiled by the car's manufacturer.

Now for the first time owners and enthusiasts have the opportunity to effortlessly collect all the original publications for their favourite Land Rover, on one handy and cost-effective CD Rom.

All CD's have been produced from the Original Print documents held in the archive of the Heritage Motor Centre.

This has provided an unequalled range of original technical publications being made available for Land Rover Series I to Series III, 90/110, Defender, Military, Range Rover and Discovery models.

Each CD Rom focuses on one model or family of models and each has the same format: the original parts catalogues are followed by the workshop manuals and driver's handbooks, all reproduced in an easy-to-use and easy-to-print PDF format.

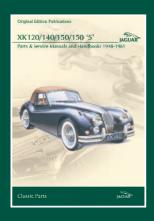
As appropriate to certain models, additional publications detailing special equipment or usage are also on the CD Rom.

Land Rover	Series Models
LHP19	Land Rover Series I, 1948 to 1958
LHP20	Land Rover Series II, 1958 to 1961
LHP21	Land Rover Series IIA & IIB, 1961 to 1971
LHP22	Land Rover Series III & Stage 1 V8, 1971 to 1985
Land Rover	Military Models
LHP23	Land Rover 88 Half Ton Military, 1968 to 1984 (Lightweight)
LHP24	Land Rover 101 One Tonne Military, 1975 to 1978
LHP25	Land Rover 90, 110 & XD Military, 1984 to 1999
Land Rover	90, 110 and Defender
LHP26	Land Rover 90, 110 & 127, 1983 to 1989
LHP27	Land Rover Defender 90, 110 & 130, 1990 to 1999
LHP28	Land Rover Defender 90 & 110, North America
Range Rover	Classic
LHP1	Range Rover Classic, 1970 to 1985
LHP2	Range Rover Classic, 1985 to 1995
LHP29	Range Rover Classic North America 1987 to 1995
Land Rover	Discovery
LHP3	Land Rover Discovery Series I, 1989 to 1994
LHP32	Land Rover Discovery Series I, 1994 to 1998
LHP33	Land Rover Discovery Series I North America, 1994 to 1998

Jaguar Classic Parts CD Rom Range



Original Edition Publications







The Jaguar Daimler Heritage Trust and Jaguar Classic Parts

are the two official organisations committed to support a wider range of parts and service for owners of classic Jaguars and Daimlers. Together, these organisations have acknowledged the requirement for important technical as well as parts support by creating and expanding their hugely successful Jaguar Classic Parts CD Rom range.

This market leading, cost-effective range of electronically published technical information – few manufacturers other than Jaguar come close to providing the owner with such a comprehensive back-catalogue of manuals and documents - may be subdivided into three complementary subject groups: Parts and Service Publications, Supplementary Model and Service Information and Parts and Service Bulletins.

Historically, significant amounts of valuable service information were never incorporated into updated service manuals, and only by also studying the supplementary information and bulletin CDs can these information gaps be bridged.

One example of this is the non-appearance of the AJ16 engine in XJS service manuals; another is the dividing out of electrical and electronic information for the increasingly complex later models into guides published separately from the service manuals.

It is therefore highly recommended that owners seek to acquire CDs covering all three of the aforementioned subjects to ensure they have as much information as necessary to effectively service their Jaguar or Daimler motor car.



JAGUAR

JAGUAR GENUINE PARTS AND ACCESSORIES

Hotbray can provide a complete 'one-stop' supply service for Jaguar Genuine spare parts and accessories; we can also supply the complete Jaguar 'Classic Parts' programme.

We receive daily deliveries from Jaguar and our direct computer link assists in the planning and processing of orders.

Jaguar genuine parts and accessories have been designed specifically to comply with Jaguar's high standards for safety and reliability. They provide the best solution for all your maintenance needs.

The Jaguar Accessory range allows you to create a Jaguar as individual as you are. Whether it's for business or leisure, touring or commuting, you can add the personal touches that help to make driving more rewarding.



There are accessories for all Jaguar models, including R Performance accessories for enthusiasts who want a more sporting look and feel. All Jaguar accessories are tested rigorously for safety and durability in all kinds of climates and conditions.



The Jaguar Collection is a special range of high quality merchandise which represents a unique opportunity to add a little extra Jaguar luxury to your life.

The range includes leisurewear, travel and fashion accessories, pens and sunglasses. For the enthusiast, there are also model cars and toys.

All items have been designed exclusively for Jaguar, and draw inspiration from our heritage, while taking advantage of the latest technical innovations.

JAGUAR CHASSIS NUMBERS 1979-2000 Excluding USA/CANADA

Prefix 1-4	Prefix 5	Prefix 6	Prefix 7	Prefix 8	Prefix 9	Prefix 10	Prefix 11	Prefix2-17
World Manufacturing Identifier	Model Range Trim	Class	Body Type	Engine Variant	Transmission/Steering	Model/Year Change	Emission Control System Vehicle Serial Number	Vehicle Serial Number
SADD = Daimler (S3)	A = X36 (S3)	A = Base Line	C = Cabriolet	A = 3.4 XK	1 = Manual (4 Speed) RHD	A = 1980 S3		Model Year Introductions Below
SAJD = Daimler	B = XJ12 (S3)	B = XJS	D = 2 Door Sports	B = 3.6 AJ6 (XJ40)	2 = Manual (4 Speed) LHD	A = Series 1 XJ40		001246 = 1997 X100 'XK8'
SAJJ = Jaguar	C = Sovereign (S3)	C = Sovereign	E = Coupe	C = 3.6 AJ6	3 = Auto RHD	B = 1981 S3		018108 = 1998 X100 'XK8'
	D = Daimler Series III	F = Sovereign (Japan)	F = 2+2 Convertible	C = 3.6 AJ6 (XJS)	4 = Auto LHD	B = Series 1 HE XJS		024687 = 1998.75 X100 'XK8'
	E = XJ220	G = VDP (Japan)	L = 4 Door	D = 3.6 AJ6	7 = Manual RHD	C = 1982 S3		031303 = 1999 X100 'XK8'
	F = XJ6 (XJ40)	J = Japan Spec	M = 5 Seat LWB	D = 4.0 AJ6, AJ16, AJV8	8 = Manual LHD	H = Series 1 XJS		042775 = 1999 X100 'XK8' ENDS
	G = XK8 (X100)	K = Japan	N = 4 Seat LWB	E = 3.6 AJ6		P = 1993MY		100001 = XJS
	H = Sovereign, XJ12	L = Canadian Spec	T = Limousine	E = 4.0 AJ16 (Califomia)		R = 1994MY	Please Refer to EPC /	139052 = 1987 XJS
	K = VDP, Daimler, 6x6	M = Canada	V = Landaulette	F = 2.9 X340		S =1995MY	Microfiche Index for exact Emission	148782 = 1989 XJS
	M = Majestic Special	N = Canada	Z = Hearse	F = 4.0 AJ16 S/C, AJV8 S/C		T = 1996MY	Identification if Required	156989 = 1989.5 XJS
	N = XJS	N = VDP (Canada)		G = 2.9 X340		V = 1997MY		165791 = 1990 XJS
	P = JaguarSport XJ40	R = VDP/Sovereign/Daimler		G = 3.2 AJ6, AJ16, AJV8		W = 1998MY		179737 = 1992 XJS
	P = XJR, XJSport	S = Mexican Spec		H = 2.9 X340		X = 1999MY		184575 = 1992.5MY XJS
	S = JaguarSport XJRS	V = USA		Н = 3.6 АЈ6		Y = 2000MY		185820 = 1993MY XJS
	T = XJS Special Edition	W = California		J = 2.9 AJ6				188105 = 1993.4MY XJS
	W = Limousine/Hearse	X = USA Spec		K = 4.2 XK Series III				190528 = 1994MY XJS
		Y = VDP (USA)		L = 4.2 XK Series III				194775 = 1994.75MY XJS
				M = 4.2 XK Series III				198335 = 1995.25MY XJS
				N = 4.2 XK Series III				199999 = 221001 XJS Vin Jumps
				P = 4.2 XK Series III				200038 = 1980 Limousine
				R = 4.2 XK Series III				220001 = XJ220
				S = 4.2 XK Series III				221855 = 1995.5MY XJS
				S = 6.0 V12				222632 = 1996MY XJS
				T = 4.2 XK Series III				300001 = Series III
				V = 5.2 V12 Series III				399999=41001 Series III Vin Jumps
				W = 5.3 V12 Series III				400041 = 1980 Hearse
				X = 5.3 V12 Series III (Califomia)				410001 = Series III
				X = 3.5 V6 Twin Turbo (XJ220)				500515 = 1987 XJ40
				Y = 5.3 V12 Series III				524375 = 1988 XJ40
				Z = 5.3 V12 Series III				556851 = 1989 XJ40
								594576 = 1990 XJ40
								629286 = 1991 XJ40
								649175 = 1992 XJ40
								667829 = 1993 XJ40
								673299 = 1993.25 XJ40
								687219 = 1994 XJ40
								720125 = 1995 X300
								739427 = 1995.5 X300
								746814 = 1995.75 X300
								754304 = 1996 X300
								787954 = 1997 X300
								812317 = 1998 X308
								853936 = 1999 X308
								F00103 = See Global Vin Decode!

JAGUAR CHASSIS NUMBERS 1981-2000 USA/CANADA ONLY

World Manufacturing Identifier SAD = Daimler SAJ = Jaguar	Model Range / Trim		+					
SAD = Daimler SAJ = Jaguar		Restraint system	Body Code	Engine Type	Transmission	Check Digit ?	Vehicle Model Year	Production Serial Number
SAJ = Jaguar	A = XJ6	A = Passive Belt	1 = 4 Door Saloon	1 = 4.0 A116 S/C	4 = Automatic LHD	Ø = Variable	BC = 1981	Model Year Introductions Below
	D = XJ12 S3	D = USA Air Bag FULL	2 = 2+2 Convertible	2 = 4.0 California	8 = Manual LHD		CC = 1982	001246 = 1997 X100 'XK8'
	F = XJ6, XJ12	E = USA Air Bag	3 = Convertible	3 = 4.2 XK S3			DC = 1983	018108 = 1998 X100 'XK8'
	G = XK8	F = Canada Air Bag FULL	4 = Convertible	3 = 6.0 V12			EC = 1984	024687 = 1998.75 X100 'XK8'
	H = XJ6, Sovereign XJ40	G = Canada Air Bag	5 = Coupe	5 = 3.6 AJ6, 4.0 AJ6			FC = 1985	031303 = 1999 X100 'XK8'
	H = XJ8, XJ8 LWB (X308)	L = Canada	6 = 4 Door Saloon 5 Seat	6 = 3.6 AJ6			GC = 1986	042775 = 1999 X100 'XK8' ENDS
	K = VDP	M = Canada Driver Air Bag	7 = 4 Door Saloon 4 Seat	7 = 4.0 A36/16			HC = 1987	100001 = XJS
	M = XJ6, VDP, Majestic, XJ12	N = Canada Dual Air Bag		8 = 5.3 V12			JC = 1988	139052 = 1987 XJS
	N = XJS	P = Mexico Air Bag FULL		0 = 4.0 A116			KC = 1989	148782 = 1989 XJS
	P = XJR, XJSport	S = Mexico Air Bag FULL		8 = 4.0 AJV8 S/C			LC = 1990	156989 = 1989.5 XJS
	T = XJS Special Edition	T =Air Bag Depowered		9 = 4.0 AJ6			MC = 1991	165791 = 1990 XJS
		V = Active Belt		9 = 4.0 AJV8			NC = 1992	179737 = 1992 XJS
		W = Taiwan Air Bag 1					PC = 1993	184575 = 1992.5MY XJS
		W = USA Diver Air Bag					RC = 1994	185820 = 1993MY XJS
		X = Taiwan Air Bag 2					SC = 1995	188105 = 1993,4MY XJS
		X = USA Dual Air Bag					TC = 1996	190528 = 1994MY XJS
		Y = Motirised Passive Belt					VC = 1997	194775 = 1994.75MY XJS
							WC = 1998	198335 = 1995.25MY XJS
							XC = 1999	199999 = 221001 XJS Vin Jumps
								200038 = 1980 Limousine
							Second C Denotes	220001 = XJ220
							Browns Lane Manufacture	221855 = 1995.5MY XJS
								222632 = 1996MY XJS
								300001 = Series III
								399999=41001 Series III Vin Jumps
								400041 = 1980 Hearse
								410001 = Series III
								500515 = 1987 XJ40
								524375 = 1988 XJ40
								556851 = 1989 XJ40
								594576 = 1990 XJ40
								629286 = 1991 XJ40
								649175 = 1992 XJ40
								667829 = 1993 XJ40
								673299 = 1993.25 XJ40
								687219 = 1994 XJ40
								720125 = 1995 X300
								739427 = 1995.5 X300
								746814 = 1995.75 X300
								754304 = 1996 X300
								787954 = 1997 X300
								812317 = 1998 X308
								853936 = 1999 X308
								F00103 = See Global Vin Decode!

JAGUAR GLOBAL VIN CHASSIS NUMBERS FROM 2000MY ALL MARKETS

Prefix 1-3	Prefix 4	Prefix 5		Prefix 8	Prefix 9	Prefix 10	Prefix 11	Prefix 12-17
World Manufacturing Identifier	Market / Airbag	Transmission & Steering	Body Code	Emission Control System	Check Digit ?	Model Year	Engine / Vehicle Type	Production Serial Number
SAJ = Jaguar	A = Rest of World	A = Auto LHD	01 = S Type 4 Door High	A = ECS1	Ø = Variable	X = 1999MY	1 = S Type 4.2V8 S/C	A00016 = 2000 X100 'XK8'
	B = Canada	B = Manual LHD	02 = S Type 4 Door Entry	B = ECS2		Y = 2000MY	1 = X250 (XF) 4.2V8 S/C	A11051 = 2001 X100 'XK8'
	D = USA	C = Auto RHD	03 = S Type 4 Door Sport	C = ECS3		1 = 2001MY	2 = XK8 AJ34	A24196 = 2002 X100 'XK8'
	E = USA(1)	D = Manual RHD	05 = X250 (XF) Luxury	D = ECS4		2 = 2002MY	3 = XK8 AJ34 S/C	A30645 = 2003 X100 'XK8'
	F = Canada (1)	E = FrontWD Auto LHD	06 = X250 (XF) Hi Luxury	E = ECS5		3 = 2003MY	4 = X150 3.5V8	A35155 = 2003.5 X100 'XK8'
	G = Canada (1)	F = FrontWD Manual LHD	07 = X250 (XF) Sport Luxury	F = ECS6		4 = 2004MY	5 = X150 4.2 AJV8	A36874 = 2004 X100 'XK8'
	J = USA (2)	G = FrontWD Auto RHD	11 = X308 X38	G = ECS7		5 = 2005MY	6 = X Type 2.0I4 Diesel	A40265 = 2004.5 X100 'XK8'
	K = Japan (1)	H = FrontWD Manual RHD	12 = X308 Sports	H = V8 Emission C		6 = 2006MY	7 = S Type 2.7V6 Diesel	A42348 = 2005 X100 'XK8'
	P = Mexico (1)		13 = X308 Executive	J = V8 Emission A S/C		7 = 2007MY	7 = X250 (XF) 2.7V6 Diesel	A44686 - 2006 X100 'XK8'
	R = Mexico (2)		14 = X308 Sovereign	K = ECS10		8 = 2008MY	7 = XJ 2.7V6 Diesel	B00379 = 2006.5 X150 'XK8'
	T = Mexico (1)		15 = X308 XJR	L = Emission C		9 = 2009MY	9 = X150 4.2 AJV8 S/C	B06784 = 2007 X150 'XK8'
	W = USA (2/3)		16 = X308 Daimler	M = Emission A		A = 2010MY	A = XJ8 3.2 AJ26	B10527 = 2007.25 X150 'XK8'
	X = Canada (2/3)		17 = Daimler Super V8	N = ECS13			B = X Type 2.2I4 Diesel	B20075 = 2008 X150 'XK8'
	Y = Mexico (2/3)		21 = X308 LWB	P = ECS14			B = XJ8 4.0 AJ26	C00344 = 2001 X200 'X'
			22 = X308 LWB Executive	R = ECS15			C = XK8 AJ26	$C42385 = 2002 \times 200 'X'$
			23 = X308 LWB Sovereign	S = ECS16			D = XJ8 4.0 AJ26 S/C	$C59261 = 2002.25 \times 200 'X'$
			24 = X308 LWB Daimler, VDP	T = ECS17			E = XK8 AJ26 S/C	D01808 = 2003 X200 'X'
			25 = X308 LWB Daimler Super V8	U = ECS18			F = S Type 3.0V6	D56272 = 2004 X200 'X'
			31 = X308 LWB 4 Seat	V = ECS19			F = X250 (XF) 3.0V6	D86655 = 2004.5 X200 'X'
			32 = X308 LWB 4 Seat Sovereign	W = ECS20			G = S Type 4.0V8	E19616 = 2005 X200 'X'
			33 = X308 LWB 4 Seat Daimler	X = ECS21			H = S Type 4.2V8	E46483 = 2005.5 X200 'X'
			34 = X308 LWB 4 Seat Daimler Super V8	Y = ECS22			H = X250 (XF) 4.2V8	E67744 = 2006 X200 'X'
			41 = X100 Coupe	1 = ECS23 (EU Emission)			J = S Type 2.5V6	E73994 = 2006.25 X200 'X'
			42 = X100 Conv	2 = ECS24 (East EU Emission)			K = XJ8 3.2 AJ27	E96002 = 2006.5 X200 'X'
			43 = X150 Coupe	3 = ECS25 (Russia Emission)			L = XJ8 4.0 AJ27	F00103 = 2000 X308
			44 = X150 Convertible	4 = ECS26 (Middle East Emission)			M = XJ8 4.0 AJ27 S/C	F20645 = 2001 X308
				5 = Caribbean Emission			N = XK8 AJ27	F41863 = 2002 X308
			52 = X200 Entry Series				P = XK8 AJ27 S/C	G00442 = 2003 X350
							R = XJ 3.5 AJ33	G12878 = 2004 X350
			54 = X200 High Series Estate				S = XJ 4.2 AJ33	G34528 = 2005 X350
			55 = X200 Entry Series Estate				T = XJ 4.2 S/C AJ33	G49701 = 2006 X350
			56 = X200 Sport Series Estate				V = XJ 3.0 AJV6	H00001 = 2006.25 X350
			71 & 72= X350 5 Seat				W = X Type 3.0V6	H11537 = 2007 X350
			73 = X350 5 Seat XJR/XJSport				X = X Type 2.5V6	H18680 = 2008 X350
			74 = X350 5 Seat VDP/Super V8				Y = X Type 2.0V6	J04731 = 2007 X200 'X'
			75 & 76 = X350 4 Seat					J28493 = 2008 X200 'X'
			77 = X350 4 Seat XJR/XJSport					L00001 = 1999.25 X400 'S'
			78 = X350 4 Seat VDP/Super V8					L31321 = 2000 X400 'S'
			79 = X350 LWB 5 Seat					L52923 = 2000.5 X400 'S'
			80 = X350 LWB 5 Seat SE					L86902 = 2001 X400 'S'
			81 = X350 LWB 5 Seat XJR/XJSport					M45255 = 2002.5 X400 'S'
			82 = X350 LWB 5 Seat VDP/Super V8					M62936 = 2002.5 X400 'S'
			83 = X350 LWB 4 Seat					M94765 = 2003 X400 'S'
								N13089 = 2004 X400 'S'
			85 = X350 LWB 4 Seat XJR/XJSport					N14071 = 2004.75 X400 'S'
			86 = X350 LWB 4 Seat VDP/Super V8					N52048 = 2006 X400 'S'
			87 = X350 5 Seat Sovereign					N65078 = 2006.5 X400 'S'
			88 = X350 4 Seat Sovereign					N71665 = 2007 X400 'S'
			89 = X350 LWB 5 Seat Sovereign					N80181 = 2008 X400 'S'
			90 = X350 LWB 4 Seat Sovereign					$R00019 = 2008.25 \times 250 (XF)$

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JAGUAR V8 ENGINE COMPONENTS

Through our extensive contacts within the automotive industry *eurospare* are pleased to offer a full range of components for the Jaguar V8 engine used in 'S' Type – XK8 – and XJ Vehicles from 1998 Model Years.

As these vehicles are ageing it is commonplace for a vehicle to require timing chain maintenance and or replacement.



All parts listed are of <u>at least</u> original equipment specification and quality, a large majority directly from the Jaguar OEM to give you and your customers peace of mind.

The *eurospare* range covers the common maintenance items for this engine including Gasket Kits, Timing Chain Components, Ignition and Engine Cooling.

The Jaguar derived V8 has now been adopted by Land Rover for use in the Range Rover, Range Rover Sport and Discovery/LR3 models.

We are expecting any future updates to this engine to be adopted by Land Rover for these models.

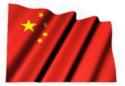
We are hoping to update the list of engine parts we offer with the relevant Land Rover application part numbers throughout the coming year.

This list is a selection of the items currently available from *eurospare* for this application.

Part No.	Branding	Description
		Cylinder Head Gskt Multi-
AJ8 8987	OE	Layer Steel
AJ8 2217	OE	Thermostat Housing
AJ8 2289	OE	Primary Timing Chain
AJ8 2325	OE	Primary Chain Tensioner
AJ8 2326	OE	Primary Chain Guide
AJ8 2697	Waxstat	Thermostat 4.2 V8
AJ8 5875	OE	Thermostat Housing Cover
AJ8 5885	OE	Outlet Pipe
AJ8 6484	Waxstat	Thermostat & Seal (Was AJ8 5874)
AJ8 8988	OE	Cylinder Head Gskt Multi- Layer Steel
C2A 1511	OE	Secondary Chain Tensioner
C2A 1512	OE	Secondary Chain Tensioner
EAZ 1269	eurospare	Timing Chain
EAZ 1286	eurospare	Timing Chain
JFB10607E	OES	Bolt -Secondary Tensioner (4 per car)
JLM 20750X	eurospare	OE Materials Head Gasket Set
JLM 20751X	eurospare	OE Materials Head Gasket Set
JLM 20935X	eurospare	OE Materials Head Gasket Set
NCA1995AF	eurospare	Primary Chain Tensioner (Primary)
NCA1998AB	eurospare	Timing Chain Guide (Primary)
NCA2017AF	eurospare	Timing Chain Tensioner (Secondary)
NCA2017BE	eurospare	Timing Chain Tensioner (Secondary)
NCA2025AB	eurospare	Timing Chain Guide (Primary)
NCA2270AC	OE	Thermostat Housing Cap
XR8 27823	eurospare	Ignition Coil (On Plug)

Manufacturers Part Numbers used for Reference Purposes Only Please refer to Jaguar Technical Publications for fitment details.

THE CHINESE ADVENTURE...



Chinese 'in tank' fuel pumps have been sold around the World for many years, over the past few years Land Rover applications have become available and with this in mind we requested our UK manufacture to evaluate the quality of these units.

Engineers visited the factories in China to review various aspects including manufacturing techniques, material specification, service life and warranty issues.

The following comments cover observations made on a number of units from different factories.

Not all units exhibited all of the concerns mentioned, but every unit raised questions as to their suitability for service. Here are some of the comments the engineers made:

- None of the units examined show signs of 'In Process Testing' giving rise for concerns regarding total quality control.
- Whilst units appear to have been copied in detail, there is no evidence that materials of the correct specification have been used.
- Hexavalent Chromate Process is being used (= Gold Passivate), which is banned in the UK due to Environmental Concerns.
- Floats were found 'free to rotate' but should be fixed to the float arm to reduce high frequency vibration to reduce wear and loss of accurate calibration.
- There was no evidence of leak testing of components and joints which is a significant safety issue. All units should be 100% tested
- There is no evidence of final calibration of any units. Many units examined would show a gauge reading HIGHER than the actual quantity of fuel in the tank. This would be worsened as the float progressively destroyed itself.
- None of the units examined carried a Manufacturer's Mark to identify Country of Origin or Factory of Origin. Future liability for unit failure or contingent claims would be difficult to pursue and resolve.
- Materials used on Conductor material which should be high palladium silver were of questionable specification.
 - Resistor values not within satisfactory tolerance.
 - Moving arm and contact quality, and force loads questionable.
 - The 'O' Ring seal between Swirl Pot and Aspirator Housing was often of the incorrect material. This, and an incorrect (too hard) material used in the Aspirator valve, will result in the malfunction of the Swirl Pot (its function is to retain fuel around the pump in low fuel conditions). This will result in longer engine cranking periods and fuel rail pressurisation issues.
 - There are no markings on any plastic moldings to indicate the grade of material used. It is not known whether a Fuel Grade Polymer (POM) has been used. There may be safety issues.
 - We doubted whether the correct grade of solder is being used in production, particularly as liberties have been taken on other components. Unless a Silver content lead free solder has been used, silver would be leached out of the Tile resulting in short service life.
 - Given the general lack of production control, incorrect material specification and unknown quality (this seems to vary between batches and factory of manufacture) we do not, currently, have confidence in recommending these products for service use.

Obviously these findings dissuaded us from offering these pumps as to do so would have offered limited service life and performance, poor starting, the possibility of running out of fuel as well as leaks of fuel between components which may of been a hazard on petrol applications, lack of manufacturers identity (no codes or build dates) which could impact on warranty issues and hazardous materials used in manufacture.



We therefore will continue to supply UK manufactured units until such time as we are totally convinced that the quality of the Chinese product will not disappoint our customers or endanger life.

A selection of the UK Manufactured fuel pumps available through Hotbray and our **eurospare** range of aftermarket spare parts are below with fitments.

Part No	Fitment
ESR1111	Range Rover P38A (Diesel)
ESR3926	Discovery Series I, Range Rover Classic
ESR3928	Defender '90' V8 Efi
PRC7018	Defender 15 Gallon Fuel Tank
PRC7019	Defender 10 Gallon Fuel Tank
PRC7020	Defender 110, Range Rover Classic
PRC7129	Discovery Series I, Range Rover Classic (Diesel)
PRC8318	Range Rover Classic
PRC9409	Discovery Series I, Range Rover Classic
STC4344	Range Rover P38A
STC4345	Range Rover P38A
WFX10045	Classic Mini
WFX100810	Classic Mini
WFX101020	Discovery Series I
WFX101060	Discovery Series II
WFX101390	Range Rover P38A

eurospare sell only UK manufactured fuel pumps for your peace of mind...



Unrivalled coverage Unbeatable quality

ENGINE MANAGEMENT AND CONTROL COMPONENTS



TEMPERATURE SENSOR (COOLANT AND AIR)

Function - This is used to measure both coolant and air temperature.
A variable voltage relative to temperature is sent to the ECU.
Causes of Failure - Corrosion damage. Resistor failure.
Symptoms - Incorrect signal to ECU. Poor running. Poor starting. Incorrect mixture.



Function - This is used to measure the inlet manifold vacuum and to give load signal

Causes of Failure - Internal damage to the diaphragm and circuitry caused by petrol

Symptoms - Incorrect mixture. Poor running. Difficult starting.



ENGINE POSITION SENSOR

Function - This is used to measure engine speed and crankshaft position Causes of Failure - Impact or external damage. Symptoms - Loss of or weak signal to ECU causing failure to start or poor running.



THROTTLE POSITION SENSOR

Function - This is used to measure the throttle angle and the rate of throttle opening. This provides the ECU with a load signal. Causes of Failure - Water ingress. Damage to resistor track
Symptoms - Poor driveability. Idle problems.



AIR FLOW METER

Function - Airflow sensors are used to measure load by metering the volume of air flowing into the engine. Causes of Failure - Sticking sensor flap Worn resistor track. Base plate air leak Symptoms - Incorrect mixture signal to ECU.
Poor running. Difficult starting.



OXYGEN (LAMBDA) SENSOR

Function - This is used to measure the oxygen content in the exhaust gases. By providing a voltage signal to the ECU mixture adjustments can be made. Causes of Failure - Age. Heater failure. Impact damage. Fouled sensor (anti freeze, lead, soo Symptoms - Incorrect mixture control (MOT failure).
Poor driveability.



AIR MASS METER

Function - Utilising a hot film platinum sensor this device measures the mass of air entering the intake so the ECU can determine the engine load. Causes of Failure - Contamination by dirt and moisture of the sensing element.

Symptoms - Poor driveability and throttle response, increased fuel



Function - Receives information from sensors.

The information is processed to enable the ECU to provide the appropriate control signal to the injectors and other actuators such as the coil.





Function - The fuel pump and the non return valve are fitted into the fuel supply system. They provide fuel under pressure to the

injector. Causes of Failure - General wear. Damage caused by contaminated fuel.

Symptoms - Low fuel pressure. Low fuel delivery.
Poor running due to fuel starvation.



EGR VALVE & SENSOR

Four VALVE & SENSON

Function - Recirculates a small amount of the engine's exhaust gases back into the combustion chamber. This further reduces NOX emissions by cooling the combustion process.

Causes of Failure - Sticking open due to carbon build up.

Sticking shut due to diaphragm failure.

Symptoms - Sticking open: Vehicle difficult to start, loss of power. High fuel consumption.

Sticking shut: Causes engine pinking due to high temperatures in combustion chamber.



MULTI-OUTLET COIL/COIL ON PLUG

Function - The ignition coil transforms the battery voltage to the 10,000 volts plus necessary to produce a spark at the plugs. Causes of Failure - Vibration or heat damage causing

internal failure. Crack around chimneys causing arcing and tracking to earth.

Symptoms - Misfire or non start.



Function - This is used to accurately spray fuel into the engine inlet port.

Causes of Failure - Pintle or disc damage.

Symptoms - High or low fuel delivery. Poor spray pattern.



PRESSURE REGULATOR

Function - This ensures that fuel is supplied to the injectors at a constant pressure Causes of Failure - Non start. Fuel starvation. Excess fuel delivery.



(12)

IDLE SPEED CONTROL VALVE

Function - This component controls the idle speed by allowing air to by-pass the throttle plate when the throttle is closed.

Causes of Failure - Damage to electrical components and sticking internal parts.

Symptoms - Incorrect idle speed or cutting out at idle.



FUEL PUMP RELAY

Function - The relay is activated by either the ECU or ignition switch allowing current to pass to the fuel pump.



KNOCK SENSOR

Function - Located on the engine block it detects engine detonation (pinking). The ECU responds to signals from

the knock sensor by retarding the ignition timing.

Causes of Failure - Internal damage to the electrical components.

Symptoms - 'Pinking' not reduced under load.





Lucas



Hotbray are key suppliers of Lucas branded products to the export market.

Today, the philosophy behind Lucas is to drive continued brand quality, leadership and evolution maintaining the core values of superior engineering and excellent service that the brand represents.

The Lucas goal is to maintain the aftermarket leadership of all the Lucas branded programmes, continued "first to market" range extensions, superior cataloging and the most effective, responsive customer support in the sector.

Hotbray have been developing and growing our business with particular focus on Lucas engine management.



Manufactured at one of their worldwide sites to OE quality standards, the Lucas ranges cover European, Japanese and American applications.

The full range covers all engine management switches and sensors, fuelling and emissions components, ignition parts and HT leads.

The Lucas extensive all makes, product portfolio provides the total solution for the aftermarket.

We feel that the quality of Lucas branded products and programmes are an ideal fit to our quality focused export business.

So for Quality Lucas products, contact HOTBRAY –

sales@hotbray.net











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PRODUCT INSIGHT – BRAKE DISCS

eurospare quality brake discs.

NEW PART INTRODUCTION

JLM21749 Jaguar Front Brake Discs BREMBO STYLE

Standard fitment on X308 & XK8 models fitted with 'R' Performance Brakes, these discs are an exact replacement and provide performance to at least OE levels.

Sold as Pairs, discs are handed and balanced. (Pictured)

Background

Through development with our supplier the range of eurospare brake discs is constantly growing, our current stock list is enclosed below as some items recently introduced may not have come to your attention.

Technical

Our sales year on year are testament to the quality and competitiveness of our brake discs.

More and more of our customers are switching to eurospare brake discs - whilst we can offer European branded discs the quality/price of the eurospare items is now proving more popular.

All our discs have been sampled and checked against part drawings, material specification and tolerance figures.

Brake Discs are sold in singles except Brembo style items, these discs are handed and are offered as a matched, balanced pair in line with the current Jaguar specification.

All Brake discs are sold boxed and eurospare labeled.

For wholesale enquiries special pricing and shipping can be arranged for pallet quantities.

eurospare are also able to supply Brake Pads for the below applications in brands to suit your own preference



PRODUCT LISTING – BRAKE DISCS

Part No	Manufacturer	Fitment
34.11.1.502.891	BMW Mini	Mini Front Brake Disc ALL
34.21.1.503.070	BMW Mini	Mini Rear Brake Disc ALL
C 26779	JAGUAR	Series III, XJS, E-Type Limo - All Models with Inboard Discs (Now Part
C2C 8354	JAGUAR	S-Type - New X350 Saloon Front
C2S 35270	JAGUAR	X-Type Front (Now Part No C2S42667)
C2S 35271	JAGUAR	X-Type Rear
JLM 776	JAGUAR	Series III, XJS Front
JLM 1305	JAGUAR	XJ40 upto 1990MY Front
JLM 1450	JAGUAR	XJ40 upto 1990MY Rear
JLM 1826	JAGUAR	XJ40 from 1990MY & X300 Front (Now JLM20341)
JLM 1830	JAGUAR	XJ40 from 1990MY & XJS With Outboard Discs Rear (Now JLM12424)
JLM 10928	JAGUAR	XJ40 6.0 Litre Front
JLM 20150	JAGUAR	X308 Saloon & Early XK8 Front
JLM 20342	JAGUAR	X300, X308 Saloons, XK8 Rear
JLM 20617	JAGUAR	X308 Saloon & XK8 Front
JLM 20801	JAGUAR	S-Type Front
JLM 20802	JAGUAR	S-Type Rear
		X308 Saloon, XK8 Rear - BREMBO Style 'Drilled' Brake Disc Set
JLM 21748	JAGUAR	- PAIR
JLM 21749	JAGUAR	X308 Saloon, XK8 Front (Was JLM21279) - BREMBO Style 'Drilled' Brake Disc Set - PAIR (Pictured)
XR8 27087	JAGUAR	S-Type - New X350 Saloon Rear
576973	LAND ROVER	Defender 110 / 130 Rear Brake Drum
FRC7329	LAND ROVER	Defender, Discovery Series I, RR Classic NON VENTED Front
FTC1381	LAND ROVER	Defender, Discovery Series I, RR Classic Rear
FTC902	LAND ROVER	Defender, Discovery Series I, RR Classic VENTED Front
NTC8780	LAND ROVER	Range Rover P38A Front
SDB000201	LAND ROVER	New Range Rover L322 Front
SDB000211	LAND ROVER	New Range Rover L322 Rear
SDB000330	LAND ROVER	Defender Late (Not 90) Rear
SDB000380	LAND ROVER	Discovery Series II, Front
SDB000470	LAND ROVER	Range Rover P38A, Discovery Series II Rear
SDB000604	LAND ROVER	Discovery/LR3, Range Rover Sport (Diesel) Front
SDB000613	LAND ROVER	Discovery/LR3, Range Rover Sport (Petrol) Front
SDB000624	LAND ROVER	Range Rover Sport (Supercharged) Front
SDB000635	LAND ROVER	Discovery/LR3, Range Rover Sport (Diesel) Rear (Now SDB000636)
SDB000645	LAND ROVER	Discovery/LR3, Range Rover Sport (Petrol) Rear (Now SDB000646)
SDB100830	LAND ROVER	Freelander NON VENTED Front
SDB101070	LAND ROVER	Freelander VENTED Front
SDB500182	LAND ROVER	New Range Rover L322 (From 6A Chassis) Front
SDB500193	LAND ROVER	New Range Rover L322 (Supercharged & NEW TDV8) Front
SDB500202	LAND ROVER	New Range Rover L322 (From 6A Chassis) Rear
SDC100130	LAND ROVER	Freelander Brake Drum Rear
C117J0028FR	LOTUS	Elise Mk2 Front & Rear mbers used for Reference Purposes Only. Application data above summarised.

Manufacturers Part Numbers used for Reference Purposes Only. Application data above summarised.

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PRODUCT INTRODUCTION – RNB000740 & RNB000750 Range Rover Suspension Dampers

NOW AVAILABLE - OEM FRONT SUSPENSION UNITS, RNB000740 AND RNB000750.

We have now bought into our range these OEM suspension units to fit Range Rover (L322) up to 07 Model Year (6A999999 chassis).

NOTE: Excluding SUPERCHARGED 06MY.



These units are combined shock absorber and air spring assemblies and are proving to be a commonly replaceable part on these vehicles; we are already seeing a large demand for the genuine units!

We have also ordered both suspension units in sturdy export packing to ensure safe despatch and onward transport to your customers.

Both Part numbers are now in stock ready for sale.



Part No	Description	Fitment
RNB000740	Shock Absorber & Air Spring Assembly RH	Range Rover (L322) upto 6A999999 Chassis (Non- Supercharged)
RNB000750	Shock Absorber & Air Spring Assembly LH	Range Rover (L322) upto 6A999999 Chassis (Non- Supercharged)

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PRODUCT RELEASE RKB101200 DISCOVERY II AIR SPRING

Background

The Original Equipment (Continental) RKB101200 is proving to be a regular service item for Discovery Series II models (where fitted)

Trelleborg (Dunlop) have therefore introduced a direct replacement to resolve this issue branded PNEURIDE.

Technical

The NEW RKB101200 from Trelleborg is identical in both size and operational characteristics to the OE item.

In order to facilitate replacement of the OE to the PNEURIDE air spring the vehicle will need to be changed to the more conventional Land Rover 'collet' pipe fitting,

a service instruction sheet will be included in the standard packing.

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RKB101200 will be supplied boxed, containing a copy of the instruction sheet from Trelleborg detailing the simpler press/pull connection.

Diaphragms

The eurospare range includes replacement diaphragms for the early Classic Range Rover air springs (NTC9819 & NTC9820)

These springs contain Metal (rather than plastic) mountings and therefore the diaphragm can be serviced and changed as a separate item.

A Complete List of the Air Springs and Air Suspension components available through eurospare are below:

Part N°	Description	Fitment
ANR3731	Air Suspension Compressor OEM	Range Rover P38A
ANR3900	Suspension Drive Box OEM	Range Rover P38A
ANR3902	Air Pressure Switch OEM	Range Rover P38A
ANR4353	Air Suspension Compressor OEM	Classic Range Rover
ANR4686	Suspension Height Sensor OEM	Range Rover P38A FRONT
ANR4687	Suspension Sensor OEM	Range Rover P38A REAR
NTC9812	Air Suspension Drier OEM	Classic & P38A Range Rover
NTC9819	Air Spring OEM	Classic Range Rover FRONT
NTC9819DPH	Air Spring Diaphragm	Replacement Diaphragm for NTC9819
NTC9820	Air Spring OEM	Classic Range Rover REAR
NTC9820DPH	Air Spring Diaphragm	Replacement Diaphragm for NTC9820
NTC9826	Valve Block Solenoid Repair Kit OEM	Classic Range Rover
REB101740	Air Spring OEM	Range Rover P38A FRONT
RKB101200	Air Spring OES	Discovery Series II REAR
RKB101460	Air Spring OEM	Range Rover P38A REAR
RVH100030	Suspension Valve Block OEM	Range Rover P38A
STC2762	Air Suspension Silencer (Exhaust)	Range Rover P38A

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PRODUCT RELEASE XP Performance Lead Sets

eurospare are pleased to announce a range of Performance Lead Sets for Land Rover and Mini applications.

Improved resistance leads to allow a better spark providing improved pick up, better performance and improved economy.

Background

Through research and development with our *eurospare* aftermarket supplier we are pleased to announce to market these new products. RTC6551XP has been in our pricelist for a while and we could see no reason not to develop the range to include the other standard aftermarket lead sets we offer.

Technical

Typically original specification leads are made using stock cable of high resistance, thus providing only the spark the vehicle requires to function normally, usual resistance levels can be as high as 24K ohms per metre.

eurospareXP Lead sets are all manufactured using high quality Red 8mm Silicone/Silicone Braided cable with a ferromagnetic core, this provides a greatly improved low resistance level of only 5.6K ohms per metre.

That's better than most other performance lead manufacturers claims!

Due to the specification of the cable used XP lead sets are very resistant to oil and moisture ingress and have a much higher temperature tolerance than original equipment fit.

Guaranteed Fit

eurospareXP Lead sets are manufactured to exacting Original Equipment dimensions and fitments – guaranteeing first time fit!



Results from testing have proved a more responsive throttle and noticeable performance improvement on the models tested.



Part No	Fitment
HLS101XP	V8 Late Disco/RR Classic
HLS102XP	V8 P38A RR to WA Chassis
HLS103XP	V8 P38A from XA Chassis
HLS104XP	Freelander 1.8K to 2000MY
HLS105XP	Discovery Mpi
HLS106XP	Freelander 1.8K from 2001MY
RTC6551XP	Pre 94MY All V8
HLS501XP	BMW Mini All Models
GHT241XP	Classic Mini Except MPi
GHT289XP	Classic Mini MPI

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All lead sets will be supplied in clamshell with a *eurospareXP* backing card providing a brief summary of the technical information here.

If you are interested in the range of automotive spare parts we offer please contact us using the following details.

Please include in your e-mail your full company name and address along with the relevant contact details.

The more information you can provide us the more tailored and competitive quote we can supply you.

e-mail: <u>sales@hotbray.net</u> Tel: +44 (0) 20 8545 0011 Fax: +44 (0) 20 8545 0020

Please note that due to distributor agreements in certain markets we may not be able to provide you with a direct supply solution but will refer your enquiry to your local Hotbray and **eurospare** distributor.



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email:<u>sales@hotbray.net</u> • <u>www.hotbray.co.uk</u> • <u>www.eurospare.com</u>

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The *eurospare* commitment is to supply you the right part of Original Equipment or higher quality.

We will not be led by our competitors in supplying 'cheaper', inferior quality parts.



Made to British Specification

for 4x4 and Prestige Vehicles

eurospare - a Trading name of HOTBRAY LTD.