

Area Liaison

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TRIUMPH SPORTS SIX CLUB - JUNE 1991 SHORT

BILL SUNDERLAND CLUB MANAGER — Send

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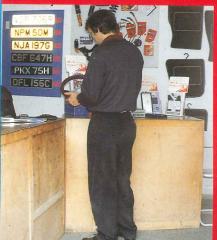


Triumph Sports Six Club **Main Street** Lubenham Mkt. Harborough FAX 0858 431936

LET us steer you in the right direction from wheels to exhaust systems available over the



counter if arranged by prior appointment 0858 434424





THE COURIER

The Official Monthly Magazine of The Triumph Sports Six Club VOL.11 No. 132 **JUNE 1991** Price £1.50 Free to Club Members

CLUB OFFICE Main Street, Lubenham, Market Harborough, Leics LE16 9TF TEL: O858 434424 FAX: O858 431936

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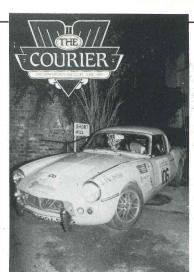
10 Chesham Rise, Cherry Lodge, Northampton NN3 4XP Tel: 0604 405416

COMMITTEE MEMBERS 1991

Roland Drew, Brian Waters, Glyn Ridgewell, John Cudmore, Peter Williams, Mike Costigan, Leon Guyot, Nick Lord, Trudi Sauibbs, Dennis Benson, Bill Sunderland, Mike Crewes, John Thorpe, Mark Hugall, Andy Higgins.

For a full list of TSSC Officials see page 82

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Cover Photo RAC Rally winning Spitfire

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Whereas every care is taken to publish accurate information, the Editor and the Committee of the TSSC do not necessarily agree with all the views expressed within THE COURIER OR TURNING CIRCLE and cannot accept any liability for erroneous or misleading information found therein.

TRIUMPH SPORTS SIX CLUB STAFFORD SHOW CENTRE STAFFORD JUNCTION 14 M6 A518 STAFFORD-UTTOXETER ROAD

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- The largest Triumph Trade & Autojumble display
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Plus camping, entertainment, sideshows, Gymkhana & MUCH MUCH MORE. Full information and booking form 0858 - 434424



Comment

Bill Sunderland

THANK YOU,

After 10 years as President John Griffiths has stood down as president and director of the TSSC. In last month's Courier he completed a decade of voluntary work for the world's most successful Triumph Club - much due to his foresight and determination for Herald based cars. the Club owes much to him and his family, and on behalf of all Triumph enthusiasts, we say Thank You.

John and Pam will still have very close ties with the TSSC in their role of TSSC Insurance and Valuation matters, so the people who gave the TSSC its name will still be working in the wings!

As a Club we still have to decide on filling the Presidents position, but as the club has got larger and inevitably



more business like, possibly an honourary President will be the way forward. We have recently had two major shows to contend with, firstly NEC over May Bank Holiday, the theme for the show was famous cars, well the TSSC came up trumps when the illustrious Fay Presto loaned her two Heralds and herself for a memorable stand at a rather lack luster show. Free of charge she entertained over the 3 days to an ever increased audience making the TSSC stand one of the star attractions of the show. Thank you Fay, a little birdy has said she may be at the International in July.



Also Dennis and Vicki Benson who helped work the props over the complete weekend. SEM was the most successful yet. Mike and Tracy Crewes really know the formula for running a Club show — on the Sunday you could hardly get another car in the field, this gives us great confidence for our International Weekend in July. Mike, Tracy, Dennis, Vicky, Dave and Jo Beardsley are all part of the organising team, make sure you come to the world's premier Triumph event.

OVER!

This is event i be the cars g venue, the largest and best autojumble anywhere for 'our' cars



and the most prestigious and important concours for TSSC cars. The event takes place both outdoor and indoors. The huge indoor facilities ensure the events success whatever the weather. So whether you want to see cars, buy parts, books, TSSC Offers or Regalia, organise Insurance, sound out restoration companies or simply enjoy Triumphs THIS is the event to go to. BE THERE

The Most Important points to note about the event are

DIRECTIONS: Take the M6 Motorway to junction 14, head towards Stafford and then take the A518 to Uttoxeter (signed County Showground).

FRIDAY NIGHT: Camping on site, bar and snacks are available, together with FREE entertainment, this will be a mixture of live music and a barn dance.

SATURDAY NIGHT: Entertainment consists of Bar and Disco. Food may be purchased direct from the bar on night. However, numbers for this very popular night are strictly limited. Advance booking is VERY STRONGLY RECOMMENDED, do not rely on getting in on the night.

CONCOURS: Takes place on the Sunday — details Dave Beardsley 0582 493905.

PROGRAMME OF THE EVENT: Includes - Autojumble and Trade Stands, Technical/Register Stands, Competition Section Stand, Gymkhana, Feature Stands, Club Regalia & Books, TSSC Offers Stand, Club Insurance, Valuations, Free bus trips out shopping & sight seeing, Guest Triumph Club Displays, Car Tuning, Video Show, Raffle, Area Sideshows/Games, Members' Boot Sale, Autojumble and Trade Stands, Concours, Dutch Spitfire Weekend Video & information, Cars for Sale, etc. etc.

Please note that the programme may be subject to change due to unforseen circumstances.

CAMPING: On-site camping with full facilities. Camping is permissible for nights before the event and for Sunday night by prior arrangement.

HOTELS & BED & BREAKFAST: A list of this type of accommodation is available from Club Offices. PLEASE NOTE:

For Friday evening no site entry is allowed before 5.00pm except by prior arrangement.

FOR FURTHER INFORMATION & GENERAL ENQUIRIES CONTACT TSSC HEADQUARTERS (0858) 434424.

Any areas or individuals offering help or requiring space for side shows, contact Mike Crewes

& 14th July 1991	TRIUMPH SPORTS SIX CLUB
SEAS ENTHUSIASTS PLEASE SEE SPECIAL BOOKING ARRANGEMENTS	INTERNATIONAL
the single most important in the TSSC Calendar. It will largest collection of our athered together at one	STAFFORD SHOW CENTRE STAFFORD JUNCTION 14 M6 A518 STAFFORD UTTOXETER ROAD

TSSC INTERNATIONA	
WEEKEND BOOKING	
FORM	



PRICES REDUCED PRICES REDUCED PRICES Name

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\ddres	s	 	

Post Code Tel:		Total Price
Entry programmes at £4 per perso (under 16s free) OAPS. £2.00		
Disco tickets at £4 per person (advanced booking only)	 	
Camping: Fri./Sat. nights £5 per un Sat. night only, £3 (Sunday night free)	••••	

All cheques payable to T.S.S.C. Hotel accommodation information available.

All information and bookings with S.A.E. to Mike Crewes, 112 Blackmoor Wood, North Ascot, Berks. SL5 8EN. Closing date 1st July, 1991.

Total



T.S.S.C. CONCOURS

International Weekend Sunday 14 July 1991

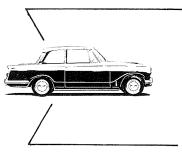
DO YOU HAVE A TIDY CLUB CAR? DO YOU ENJOY SEEING IT AT IT'S BEST?



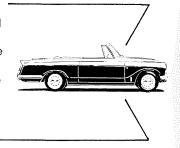
If you answered yes to any of the above, why not enter this years Club Concours.

Every entrant will receive a commemorative plaque.

The usual classes will stand:



Best Original Herald Best Modified Herald Best Original Vitesse Best Modified Vitesse Best Original Spitfire Best Modified Spitfire Best Original GT6 Best Modified GT6 Best Bond * Best Special *



Original cars will be judged on originality of finish and Modified cars at the judges discretion.

Prizes will be awarded for 1st, 2nd & 3rd in each class (* May be reduced if entry is small), plus a large number of 'Highly Commended' rosettes for those cars which, in the judges view deserve special merit.

The winner of each of the above classes will automatically be entered for the Triumph Sports Six Club CAR OF THE SHOW award.

Furthermore, all class winners will be invited to compete with their cars at the premier indoor show of the year, Triumph World, featuring MG World at the N.E.C. (Aug. 31/Sep 1),

In addition, for those cars undergoing long term 'rolling' restorations, or original cars with particularly good features but which would not normally be considered 'Concours', the following classes are available

> Best Interior — Best Paintwork Best Engine Bay — Best Original Unrestored

For visiting Triumph clubs there will also be a class for:

Best Guest Triumph



General enquiries to Dave Beardsley, 0582 493905. Entry on the day 9-11am. Entry Fee £4.00 to include entrants plaque. Judging will start at 11.00 and the Awards will be given at approximately 4.30pm.

13 The COURIER

A QUALITY CLUB BADGE FOR OUR CARS



ONE HUNDRED members have already applied for a top quality grille or badge bar as detailed in the APRIL COURIER on page 8.

The problem is we need 1000 orders to make the whole thing work. Come on you tight fisted lot! Surely you want a superb, virtually hand finished enamel, two colour badge. Remember, they will even be individually numbered. Unless a lot more of you do order a badge, I am sorry but all those who have already made a request are going to be disappointed . . . including me!

I AM SURE YOU ALL WANT ONE, YOU JUST HAVEN'T GOT ROUND TO IT! GO ON FILL IN THE ORDER FORM NOW AND SEND IT TO ME AT: JOHN GRIFFITHS, SOMERFORD HOUSE, FAIRLEIGH RISE, KINGTON LANGLEY, NR CHIPPENHAM, WILTS. SN15 5QF.

I WISH TO ORDER A HIGH QUALITY ENAMEL TSSC CAR BADGE WHICH I

	ACKNOWLEDGE WILL COST \$23 (Inc. VAT, post and packing).
	I AM AWARE THAT THE BADGES WILL ONLY BE ORDERED IF A MINIMUM OF
	1000 MEMBERS APPLY.
	I AM ALSO AWARE THAT DELIVERY WILL BE BETWEEN 2/3 MONTHS, FROM
	THE DATE OF ORDER AS EACH BADGE IS COLOURED AND FINISHED BY
	HAND.
	I WILL MAKE PAYMENT TO THE TSSC AS SOON AS REQUESTED.
	Signed
	My address is
	My telephone no. is
-	l want a: GRILLE BADGE BADGE BAR BADGE
	(Please tick the appropriate box)

NEWS REVIEW



Cars - 401/601 Triumph Roadster & Triumph Vitesse

Mac Reynolds has sent in this photo of Triumph Vitesse convertible. He didn't get to see one as the shop had sold out! They are available at approx £4.50 - £5.00, sold as pairs (Vitesse and Roadster in one box)!

'ANOTHER TRIUMPH FOR MG MACHINE'

The 'MG Machine' sponsored Triumph Spiffire Classic Rally Car of Simon Evans and Martin 'Bieka' Ansell is to be featured as centrepiece of the 'MG Machine' stand at 'MG 91'. This is the biggest MG owners Club rally of the year, to be held at Knebworth Park on Sunday 2nd June, Your support is requested as otherwise we could well be outnumbered by the 10,000 plus MG's that are expected to attend (always assuming the Spitfire survives the Coronation Classic Rally at Pembury in Wales the day before!).

Further details from Nick at MG Machine (081 743) 6090 (Triumph Parts tool), more information about the rally car elsewhere in this issue of 'The Courier'. but recent rally results include: RAC National Historic Rally of Great Britain (March 91), overall winners; Longleat Rally (March 91) 3rd in class. 12th overall; Rally of Vales, 4th overall; Targa Rusticana (October 90), best novice.

Nick Matheson

P.S. MG Machine has a limited quantity of Triumph steering column couplings (BL no FAM 1718), one of a number of special offers for TSSC members. BL price £28.00 + VAT, Offer price £12.75 + VAT. Phone Nick for details.

NEWS BULLETIN

The Private Car Scheme

We can now offer further discounts for additional limited bandings.

4500 miles per annum 3000 miles per annum Phone O21-561-4196 for further details. Ask for TSSC Insurance (Private car scheme)

CAR HI FI AND CAR **AIARMS**

Steven Ash of Cleartone Car Hi Fi, 235 Blackburn Road, Bolton, tel, 0204 31423 are offering 10% discount to club members. They stock Sony, Kenwood, Alpine, Denon and Pioneer with car. alarms from Laserline and Piranha. Other services include central locking and electric window conversions. They also offer a first class professional installation service from modern workshops.

NORTH EAST ENGLAND (Tyne & Wear)

WANTED / PARTSPERSON

We are looking for an enthusiastic and experienced person to help run our fast expanding parts department. Duties will include dealing with retail and trade customers (counter and telephone sales), stock management, supervising the day to day running of mail order sales etc.

The successful applicant must be able to work on his/her own initiative, have an outgoing personality, clean driving licence, and some experience in the retail motor trade.

The position will offer excellent reward and prospects for the right applicant

Please apply in writing with full CV and references to: SPORTS CAR SUPPLIES TEL: (091) 2 lines 496 0522 24 Hrs

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NATIONAL AND L T.S.S.C

10 The COURIER

CAMBRIDGE TRIUMPH SPARES

SHORTS COTTAGES, MOUNT PLEASENT FARM, 16FT. BANK, CHATTERIS, CAMBS. PE16 6XL

10% discount to all members!!! Please remember to mention this when you telephone, as correcting this afterwards is not always possible. For the benefit of new COURIER readers, we give 10% discount off our normal retail prices to all members who quote their TSSC membership number.

However, prices below are not subject to further discounts as these prices are already reduced. Please call us for full price list, sent free by return. Just remember, summer will soon be on us, get your car ready now!! Happy rebuilding, TONY BATES



SPECIAL OFFERS TO TSSC MEMBERS, ALL PARTS NEW UNLESS STATED

Rear overriders, Herald/Vitesse	£34.00
Herald throttle cables	. £4.50
Heavy duty rear shock abs. (Woodhead O.E.)	£16.50

Monroe Gabriel£16.00
Spitfire 1500 front springs £15.00
Spit IV/1500 & GT6 steel front 1/4 valances £35.00
Girling brake pad sets (64326054) Vitesse/GT6
to KE20,000 £4.95
1600 Vitesse engine complete (condition unknown)
second hand £75
Rust free Spit IV/1500 doors, few left only, 2nd hand . £75.00
Spit MKIII bonnet assembly, rust free import 2nd hand £395.00
Spit MKIV/1500 bonnet ass, rust free import
2nd hand £365.00
Spitfire IV/1500/GT6 III chassis, good cond.,
2nd hand
Spitfire IV/1500 wheels, 2nd hand, to clear £5.00
MANY MANY MORE PARTS IN STOCK, NEW & USED
REMEMBER THIS IS JUST A SMALL SELECTION, GIVE
US A TRY FOR THAT DIFFICULT TO FIND PART!!

AMAZING CARS FOR SALE

Bond Equipe, MoT till March, drives and runs well.
Needs propshaft change£400.00
Herald Saloon 13/60, drives and runs well, for
restoration
Herald convertible, no floors, a right heap £295.00

SELECTION OF 4 COUPES

Rough to very rough, from£250	j
TR3A, truly horrible, mostly complete, LHD £1895.00	
Herald convertible, dark green, black hood, 13/60, very tidy.	,
excellent condition, full MoT£1995	,

WANTED. YOUR CLUB CAR. COLLECTION ANYWHERE IN UK MAINLAND

ENGINES AND GEARBOX

Engine, fully reconditioned, 4 cylinder	£225.00
Gearbox, fully reconditioned	£130.00
Differential, fully reconditioned	£160.00
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STEEL PANELS - SPITFIRE / GI6	
Front lower wing, MkIV	£37.00
Rear wing MkIV	£105.00
Front wing, MkIII	642 00
near wing, MKIII	651
Front wheel arch repair MkIV	613.00
Wheel arch inner/outer section	627 00
Bonnet leading edge panel, MkIV	619 00
Headlamp support panel, MkIV	618 00
Bonnet support tubes, MkIV	619.00
Steel front 1/4 valances, MkIV	C35.00
Doorskins, MkIII	C17.00
Doorskins, MkIV	C17.00
Rear inner wing repair (joins outer)	£17.00
Rear light panel	£29.00
Rear lower valance	£59.00
Rear valance to wing finishing strip	£27.00
Bootlid, MkIV	£3.90
Outer sill, genuine BL	£99.00
Outer sill, began duty petters	£25.00
Outer sill, heavy duty pattern	£11.50
Inner sill	£6.30
Diaphragm sill	£3.75
Full floor (front to back) left hand	£28.00
Full floor (front to back) right hand	£29.00
Full floor (front to back) right hand Front footwell (state left/right)	£12.50
Boot floor	£39.00
STEEL PANELS — HERALD/VITESSE	
Front lower wing, Herald 13/60	£49.00
Front lower wing Vitesse	CEO 00

	O'LLL FARELS - HERALD/VIIESSE	
	Front lower wing, Herald 13/60 Front lower wing, Vitesse Front inner wheelarch outer assembly Front lower valance (FIBREGLASS ONLY) Rubber bumper mounting strip (set 3) Front floor footwell (ribbed) Rear floor footwell	£59.0 £27.0 £24.0 £11.5 £22.0
	Body mounting point, under floor	66.9
	Body mounting bracket, under B post	67.5
	Body joint strip (floor join to front/rear)	£4.9
	Doorskin (original press)	£35.0
	Door treadplate (as original)	£5.5
	Outer sill	£10.0
	Rear lower wing	£55.0
	Rear ¼ valance, Herald	£16.0
	Rear 1/4 valance, Vitesse	£16.0
	Rear centre valance, Herald	£36.0
١	Rear centre valance, Vitesse	£32.0
1	Boot floor/side closure	£11.5
١	Bootside rain channel	£12.5
ı	TOIM & DIIDDED CEAL	

TRIM & RUBBER SEAL

I THIN & HODDEN SEAL
Door draught excluder (Furflex) Spitfire
Door draught excluder (Furflex) Herald/Vitesse £11.00
Draught excluder, Her/Vit convertible £11.00
Outer weatherstrip 67.5
Inner weatherstrip£3.50
Weatherstrip clips 0.10
Window channel, front, Her/Vitesse 67.5
Window channel rear, Her/Vitesse
Door checkstraps £7.50
Checkstrap gaskets £2.50
Windscreen seals £15.00
GT6 tailgate seals£15.00
Herald/Vitesse rear screen seal£18.00
Bright trim insert (narrow) with clip£6.00
Bright trim, Spit IV/1500, GT6 III
Pedal rubbers£2.00
Roppet condictions
Broke/clutch master with a series £2.50
Brake/clutch master rubber gaiter £4.00
Handbrake gaiter £7.50
Gearstick gaiter, Herald/Vitesse £4.75
Gearstick gaiter, Spitfire / GT6
Door trim panels, Spitfire / GT6 (pair) £36.00
Doortop vinyl (pair)£22.00
Door top trim clips 0.22
Carpet set, superior quality, Spitfire £59.00
Carpet set, superior quality, GT6£65.00

Carpet set, superior quality, Her/Vitesse	£65.00
Hood, Spitfire IV/1500, original quality	659 OC
Hood, Herald/Vitesse, original quality	£67.50
Header rail set	69 00
Seal retainer	£9.00

STEERING & FRONT SUSPENSION	
Steering rack (Exchange)	£25.00
Standard rubber rack mounting	52 20
Top ball joint	67 90
Track rod end	65.50
Vertical link	£29.00
Stub axle	C19 E0
Front brass trunnion (STANPART)	£11 00
AS ADOVE INCLUDING BUSH KII	£13 00
Front wheel bearing kit	£8 50
Front wheel bearing felt seal	£1.50
Spax standard shock absorber	£15.00
Armstrong standard shock absorber	£18 00
Shock absorber top plate	£9.50
Lower steering joint	612 00
Steering lock 13/60 - Spitfire IV / GT6	629 00
Set of eight inner wishbone bushes	65.00
Eight inner wishbone bolts & nylocs	£3.75

REAR SUSPENSION — NON ROTOFLEX

Rear driveshaft, new (state model)	42.00
Hear driveshaft, used (checked) ç	25.00
Rear transverse leaf spring	49.00
Driveshaft flange	15 00
Driveshaft flange, reconditioned	£8 00
Rear wheel bearing kit, Genuing BL	11 00
Rear vertical link, second hand	16.00
Hub and stud assembly ç	57 00
Hub and stud assembly, reconditioned	25.00
Rear trunnion'block, reconditioned	16.00
Rear trunnion bush kit	£2.75
Rear trunnion bolt and nyloc nut	0.95p
Spax standard shock absorber £	15.00
Spax adjustable shock absorbers £	28.00
Radius arm bushes, set of 4	£2.00

REAR SUSPENSION - ROTOFLEX

Rear	driveshaft, innerdriveshaft, outer	£85 00
Rear	driveshaft flange	£15 00
Rear	trunnion kit less bolt	£22 00
Hear	trunnion kit with bolt	£25.00
Inner	wishbone bush	. £5.50
Dager	wishbone bolt and nyloc nut	£1.25
Pear	shock absorber, GT6	£16.00
Poar	shock absorber mounting (on wheel arch)	£14.50
Rear	shock absorber bump stoptransverse leaf spring	£12.95
iteai	transverse lear spring	£59.00

SUMMER SPECIALS * SUMMER SPECIALS

Radiator, outright, Herald/Vitesse	£59.00
Top and bottom radiator hoses	67.00
Extra top hose (GT6 only)	£2.50
Heater hose set (all models)	£12 00
Door mirrors, original Spitfire / GT6	£9.50
Door mirrors, original Herald/Vitesse	612.00
Wiper arms (state model)	65 Q5
Wiper blades (state model)	64.95
Window winder handles (state model)	C2 E0
Bonnet locks (PAIR)	C10.00
Boot hinges (PAIR)	C15.00
Inside door handle (Spitfire IV/GT6 III)	£15.00

MOST DOORS LOCKS/HANDLES AVAILABLE

BHAND NEW BORG & BECK 3 PIECE CLUTCH		
Herald/Spitfire 1300	£59.00	
Spitfire 1500	£65.00	

ALL PRICES PLEASE ADD POSTAGE AND VAT

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Our Telephone Numbers Are

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FOR

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VITESSE GT6

BOND EQUIPE



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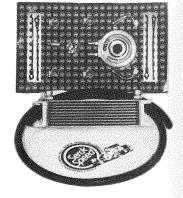
fitting article Courier 99 Sept '88



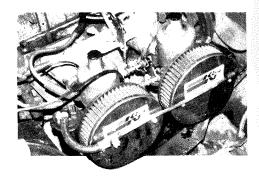


SERCK MARSTON Oil Cooler Kits

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K & N PERFORMANCE FILTERS



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KEEP YOUR COOL! THIS SUMMER

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KEO21	KENLOWE FAN KIT SPITFIRE KENLOWE FAN KIT GT6	79.95 79.95
	KENLOWE FAN KIT VITESSE/BOND	79.95 79.95
	P & P	4.95
KNO01	K&N SPORTS AIR FILTER, HERALD 1147cc	15.95
KNOO2	K&N SPORTS AIR FILTER, HERALD 13/60	22.95
KNOO3	P & P K&N SPORTS AIR FILTER, SPITFIRE 4/II/III/IV pair	2.75 40.95
KNOQ4	K&N SPORTS AIR FILTER, SPITFIRE 1500 pair	40.95 40.95
	K&N SPORTS AIR FILTER, VIT/GT6	40.70
	(Stromberg) pair	45.95
	P & P	4.95
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	OIL COOLER KIT 13 ROW RAD, 4 CYL CARS OIL COOLER KIT 13 ROW, 6 CYL CARS	76.95
	THERMOSTAT	88.95 18.25
3.7.000	P & P	4.95
10-7		

All prices include VAT-

Use offers order form in TSSC Classified and News Review



or phone **0858 434424**





HERALD VITESSE SPITFIRE

SHOP HOURS — MON to FRI 9.30 - 5.30 SAT 9.00 - 1.00

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PARTS RECENTLY AVAILABLE AGAIN

Brand new 6 cylinder camshafts,
various profiles£115.00
Windscreen finisher kit, Spitfire IV/1500
& GT6 III, from original tooling (car set) £33.00
Herald/Vitesse carpet retaining strips
(available this month)£3.50 each
Reconditioned exchange calipers, Herald/
Spitfire Type 14£72.00 pair
Vitesse/GT6 Type 16£83.00 pair
Extra 'A' post seal, all cars£2.50
Spitfire, GT6 striker plate gaskets (car set) £1.00
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RHD£30.50



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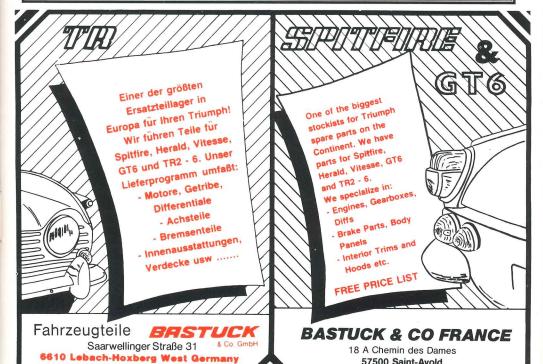
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Mike Crewes

TIRED TYRES AND TIRED ENGINES

ECENTLY I had the benefit of attending a Tyre Wear and Damage Course at Michelin Tyres. I picked up some useful information, some of which might be useful to you.

tyre is not defective and is being used correctly, it will wear evenly and will not blow out. A blow out or uneven wear only occurs if the tyre is defective or being used incorrectly.

Defects can occur inside the tyre with no evidence on the outside. If the tyre receives a shock rupture (when it strikes an obstacle, kerb, etc.) it becomes distorted and the plies may be damaged. This will obviously make the tyre weaker. A pinch rupture, where the tyre wall is pinched together will have the same effect.

This can happen when running along a kerb, parking on kerbs or parked on deflated tvres.

If your tyres receive a shock or pinch rupture, then have them removed from the wheel and checked.

Hard driving, particularly fast cornering, generates a side force on the tyre walls and may dislocate the tyre bead. If this occurs air pressure may be lost and gradually the tyre will deflate. Modern wheels are designed to stop this happening although if you have a heavy trailer, eg. a caravan, the wheels may not prevent this, in which case inserting an inner

It is worth pointing out that if a tube will keep the air pressure. Any leak or spillage from the up. If you fit an inner tube to a tubeless tyre make sure that there are no air pockets between the tyre and tube. Once enough pressure is lost (it may not be noticeable on the trailer) one of the beads may drop into the wheel well and the tyre may come off.

> As pressure is lost in any tyre the walls will tend to flex more, allowing the inside of the tyre to rub against itself. This will generate heat in the tyre which will cause it to break up. Haven't we all seen shreaded tyres on the motorways? If the tyre is still on the rim, damage may not be visible, so get it checked.

Cuts in tyres not only weaken their structure but allow water and other material into the cords. If the tyre has steel cords these will rust and eventually break down.

Storing tyres is not that easy either. If rubber comes into contact with hydrocarbons, solvents or prolonged periods of bright sunlight, it will tend to break down. A contaminated tyre is not safe to use.

This is a particular problem on Triumphs since the spare wheel is stored in a well in the boot floor and the petrol tank is right above it.



petrol tank into the boot will collect in the spare wheel well and soak the tyre destroying it. Heat also affects tyres, keep them away from exhausts and engine components.

If you are storing a car on its tyres, it is best to rest the cars weight on axle stands, allowing the tyre to hang down. If this is not possible, run the car regularly to put the tyres back into shape, taking it easy at first until you have full grip available.

Never allow the tyres to sit with the cars full weight on them for more than six months. and check the air pressures regularly.

If the car is stored on its tyres for about six months it will take about fifty miles of gentle driving to get them working correctly.

If you treat your tyres with respect, they will last for a considerable mileage.

In total you have only the same area of tyre contact on your car as about two pairs of average sized adult shoes, not much is it. certainly well worth looking after. it may save you life one day.

TIRED ENGINES

If you are astute enough to read reports by Register Secretaries. you will no doubt have read the articles on exhaust emissions written recently by John Thomason. John asked me for the emission regulations that are due to come into force in July. and will be part of the MoT Test. Unfortunately, at the time I couldn't find out what the new Regs were going to be, but I have since. It is not all doom and gloom, but it does have serious consequences for some Classic Car Owners.

they will be enacted late. Instead of coming into effect in July, they will come into effect on 1st November 1991. They refer only to petrol engines at present, and are a first step, becoming more stringent later. However, permisable pollution levels.

Vehicles manufactured before 1st August 1975 -Manufacturers designed emission levels.

Vehicles manufactured after 1st August 1975 and before 1st August 1983

Carbon Monoxide (CO) 6%, Hydrocarbons (HC) 1200 ppm.

Vehicles manufactures after 1st August 1983 Carbon Monoxide (CO) 4.5%, Hydrocarbons (HC) 1200 ppm.

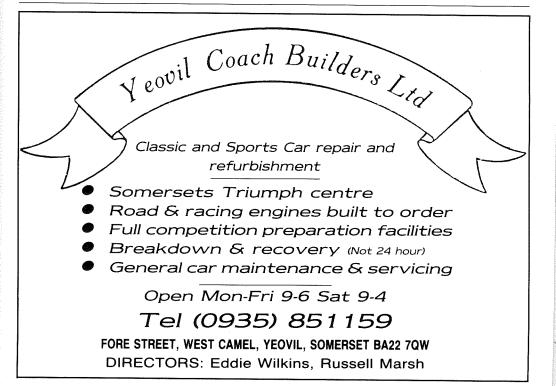
Diesel and stricter petrol emission regulations are expected by 31st December 1992. (ppm = parts per million).

As you can see, these things will be easy to test for! I can see some unscrupulous garages failing a car on emission levels and recommending expensive work, pray that I'm just pessimistic.

Firstly, as with all EEC regulations, If your Classic is running on a standard, good condition, correctly tuned engine, then it will have no problems passing the tests. If on the other hand you are running with a modified (Competitions Section Note) or tired engine, it may not be capable of staying within the manufacturers designed emissions.

> Perhaps our register Secretaries could let us know what the Designed Emission levels are for the various cars, over to you boys.

they will not be retrospective. If you have a topic or query on Road Traffic Legislation why not Here then are the maximum contact Mike Crewes, 112 Blackmoor Wood, North Ascot, Berks. SL5 8EN. Please enclose a SAE.



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ELCOME to May. The programme for the Technical Desk at Stafford is nearly complete — once it is, watch this space. I would be arateful if all those I contacted could reply now — you were given a stamp!

Mixed news on my cars this month. The garage I am suing has decided to settle out of court, though the only people who really seem to come out on top are the solicitors. Unfortunately the Citroen has achieved melt-down on the valves, to a whacking bill there. I shall, however, be going after Citroen for compensation, and it's going back to using leaded petrol,

Here is a photo of Nick Thomas's 1969 MkIII Spitfire. He is interested in finding out if anyone has fitted 1500 seats to enable the roll bar to be hinged forwards in order to fit the roof. He would also like to hear from anyone who has modified a tonneau to fit round the roll bar.

Have you ever considered going over to electronic ignition? Each time the contact breaker points of a conventional ignition system 'break', they use about 5 amps of battery current. Even at slow speeds they open and close about 20 times per second and each time they are and burn. Within a few thousand miles, high-tension voltage drops, causing poor starting and rough idling, the timing becomes inaccurate, fuel consumption gradually increases.

Electronic igntion systems which have no contact breakers overcome all these problems. Because the systems have no moving parts, there is hardly any ignition maintenance. There are



no contact breakers to renew and spark plugs last much

Because there is no arcing at the contact breaker points, full sparking power is produced at the tip of each plug -

which means that the plug gaps can even be opened up slightly, so producing better burning in the combustion chambers. As

much as 95% of the fuel/air mixture is burnt, compared with 75% on a conventional ignition system. This, in turn, provides an increase in power output and improved fuel economy sometimes by as much as 10%. Let's see as many as possible

early Spitfires at this years shows - too often I see a couple of 'old ones' sneaking in and hiding behind 1500s and Mk4s. Let's bring them all out into the open, after all they're rarer and better looking!

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I. This months featured Vitesse is owned by Jack Hart of Wadebridge in Cornwall. It's a superb 1966, 1600cc convertible, in Conifer Green with a white stripe. Jack has owned the car since 1967 (24 years!), approximately 12 years ago it had a major refit, including sills, all valances, doorskins and a respray.

About four years ago it was treated to a second respray. It has completed a staggering 176,000 miles on the original engine (an overdrive gearbox being fitted 10 years ago). A very special thanks to Jack for actually letting me drive his pride and joy . . with the hood down!! . . wonderful!! . . Jack by the way is the current Cornwall area organiser, and always involved in some event or other, another reminder, summer days . . . light evenings.. support your local meetings . . . !!!!

MKII wheels trim retention update. You will remember last

month I wrote of ideas of how not to loose your trims. A couple of modifications have come to light. The reasons being that if, as I suggested you weld the strip to the wheel, you will be unable to (a) change tyres on a machine, (b) balance the wheels off the car...

... so the alternative is to bolt the strips to the wheels (I've actually done this using 2x3mm bolts). Another alternative is to weld 2x studs / bolts onto the wheel ... anything to enable the strip to be removed for tyre changes etc...



the original idea is just the basis for several variations on a theme... you'll have to use your own imaginations here... I settled for using a 3mm stainless steel bolt to secure my trims, I do think it looks neat, almost unoticeable...

I failed to remind you that this may also require your wheels to be re-balanced (on the car!!). A

quick mention and thanks to Baz my engineer supplying of brackets etc...

in vain) for what appears to be quite an unobtainable and sought after item (namely the plastic steering column cowl/moulding which holds the overdrive switch - on such fitted cars). Every phone call I made in to Courier or local advertisements was greeted with the same reply . . .

sorry sold, or, no, my car has the switch on the gear lever (obviously a conversion at some time).. so where are all the overdrive cowls?

(Another question here, how many of our cars are fitted from new with overdrive?). Anyway I finally found a cowl when someone who had long since sold his Vitesse was clearing out his garage to knock it down...one local advert answered... has your Vitesse? Obviously they are all interand one very happy register secretary with a bootful of goodies . . which brings me to remind you all, don't wait until you want something before you go out looking, if you can possibly afford it, try to buy spares as you go along for stock, you know yourself it's sods law when you want

something you can't get it.. back to the cowls, mate who so kindly did the fabrication/welding, I'm surprised with these items apparently in such demand that someone somewhere hasn't started NOW! for the last year I've been searching (almost to remanufacture... even I thought about it in desperation . . any thoughts or ideas out there? Has anyone a cowl they want to part with? (I am looking for a second one) don't all rush . . !!

> In the same area I recently came across an interesting discovery, when I bought my last MkII, it was apparent that the column headlamp dip/flash switch was much longer than in my other two Mklls, positively getting in the way when using the dashboard mounted ignition switch. I see looking through the parts manual that the 1600s / MK | 2 Litres were fitted with part number 128383 (also used on Triumph 2000) Mklls, part numbers 147278 / 148648 - no indication of what commission number they changed (for interest Herald 13/60s also used part number 147278). This part number I believe to be the shorter . . so which one changeable, so has yours the original? And what length is it? Drop me a line . . .

Thanks... Take Care... Cheers...

PS . . . I'm thinking of buying my first convertible . . . sorry guys . . . It's a Spitfire!!

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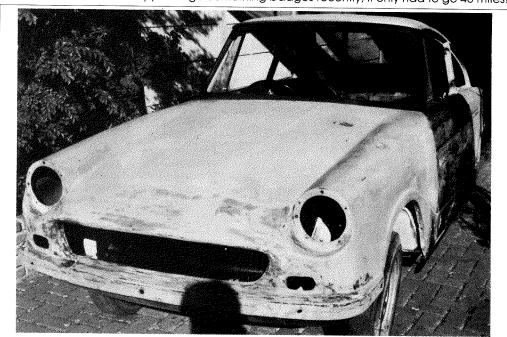
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ERE is your final reminder for the Bond Equipe Weekend, for a number of reasons this year's event is probably the last at the present venue. So please make an effort to attend, if you can only make it on the one day, Sunday is the main

day. The dates to mark in your diary are the Saturday and Sunday 8th and 9th June.

If you require any badges or other spares these can be delivered to Yaxley and you can save post and packing charges, so contact me a.s.a.p. (incidentally the Post Office has managed to lose a recorded Delivery package containing badges recently, it only had to go 40 miles!)

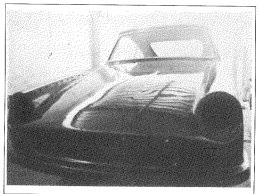


Notice my 'orange paint work'! Prior to that she was red. You can also see this as well.

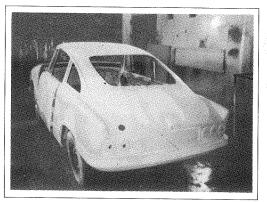
A letter arrived the other day from Adrian Hodnett who lives in South Africa, he has found and is restoring a 2+2 (see photos). Adrian and I exchanged correspondence some time ago and I was pleased to hear of his progress which, as he explained is somewhat problematical due

to postal delays, 100% import duty and lack of local support. The car is right hand drive, Serial Number 470, it was tested at the factory on 18/4/64 and was originally painted blue.

The only major items missing are the bumpers and if anyone knows of any genuine 2+2 bumpers, Adrian would be pleased to hear of them and I will forward any information.



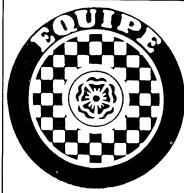
Waiting for fitting up after spraying.



Prior to final spray coat.

Just one point I will mention is that these bumpers while they do look the same as the 4S ones there are in fact of a slightly smaller cross section so only the correct part is suitable.

Well that is all for this month, see you at Yaxley.:



The SIXTH BOND EQUIPE WEEKEND will take place at The Three Horseshoes, Yaxley, nr Peterborough, Cambs, on Sat/Sun 8th & 9th June.

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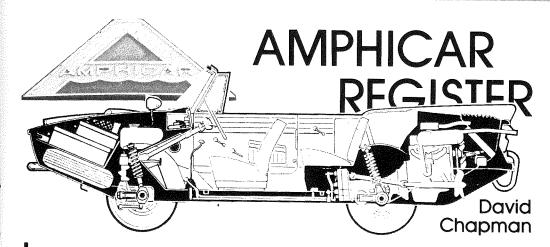
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have been using Silicon Brake Fluid for a number of years now and have found it to be excellent for the following reasons:

I no longer get the problem of a wheel cylinder 'going furry' and getting stuck in its bore. Small leaks are immediately visible because of the way water reacts when it touches a surface coated in silicon.

Brake fade is much less likely because silicon brake fluid will not absorb water and so will not boil. For that reason it should never need changing. Silicon fluid is nice, easy and safe to work with, if its spilt it can be used as a polish.



Conventional fluids are oxidisers and will burn quite fiercely once ignited. Silicon is totally inert so won't do this. The only downside is the cost, although spread over five years taking into account the need for less maintenance, it is quite reasonable.

There is also a very slight increase in pedal travel because silicon fluid compresses slightly more than conventional fluid. When changing to Silicon Fluid the old system should be purged of all conventional fluid and ideally all rubbers should be changed so it may not be worth doing if your braking system is in perfect working order. Finally, many club members who have seen the Amphicar for the first time over the summer, have remarked that it is much larger than they expected. The actual dimensions are: Length 14' 3" (433cm), Width 5' 1" (156cm), Height 5' 1" (156cm).

IT'S HERE YET AGAIN!

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HIS months heading photo is sent in by Jason Darby of Huntingdon, and features his Pimento Red Spitfire 1500 which has now completed 3000 trouble free miles since a complete rebuild.



Spitfires

PART 3

To conclude this short series on American Spitfires, I though it would be of interest to hear what it's like owning and driving an American Spitfire.

Firstly we hear from Bob Sykes of Greensboro, North Carolina, who has a life long passion for the Spitfire and owns 4 Federal Spitfire 1500's (see over). Bob says that he gets great pleasure from driving and tinkering with the Spitfires, but reports that English Sports cars in the US have a reputation for being unreliable and that owners 'mustn't be afraid of getting a little grease on their hands'. Needless to say all the emission control equipment

is the major source of unreliability. When the car is new, the equipment works well but requires continued attention as the mileage increases. The many hoses and vacuum lines that are used, start to leak and crack with age, causing the engine to run poorly with the possibility of permanent damage. For example, if the carburettor mixture is to lean, the catalytic converter will run much hotter than normal, even glowing cherry red.



2 of Bob Sykes 4 Federal Spitfire 1500s.

This happened to one of Bob's cars in which the catalytic converter became so hot that it started to melt the rubber seal around the gearbox cover and scorch the engine valances!

The high temperature at which catalytic converters run at can cause other problems. They have been known to ignite dry grasses and leaves when the car is parked over them. This is one of the reasons for the fitment of the key warning device, which prevents the driver from leaving the car with the engine still running. The location of the hot catalytic converter immediately under the carburretor (there was no room to fit it under the Spitfire like other cars) can have interesting results if you have a leaking carburretor or evaporative loss system!

Remarkably Bob says that he has never suffered from carburretor vapour lock or Waxstat problems and attributes this to the effective heat shield and larger radiator fitted to US cars. Life with catalytic converter fitted Spitfires can cause other problems. They can be easily damaged if the engine isn't tuned properly, are ruined if you use leaded petrol and are easily damaged by impact, eg tapped by a hammer. Apparently you not supposed to bump start the Spitfire with a catalytic converter either? (catalysts weren't as sophisticated in those days). At \$350 they are expensive to replace to. Needless to say Bob reports that in the past it has been common practice to remove emission control equipment as it begins to malfunction. This having the additional benefit of increasing engine B.H.P. However this practice is now coming to an end as cars in more and more states are having to undergo annual emission tests (sounds familiar) and road side spot checks!

Although the larger black wrap round bumpers do nothing for the appearance of the car, Bob confirms that they do actually work very well if involved in an accident. Bob managed to slide into the side of a full size Oldsmobile American Land Cruiser which pulled out in front of him. The Spitfire suffered only a broken rubber bumper. to disconnect the wires!

The side of the Oldsmobile was not so lucky. Bob also relates how severe the climate in the U.S.A. can be with very hot summers. As a result many Spiffires have cracks in the wooden dash and either side of the ash tray in the black crash pad on top of the dash. The paintwork also tends to fade much more quickly.



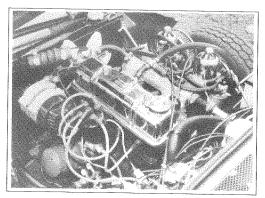
Peter Amendola's Federal Spitfire undergoing a rebuild. Yes U.S. Spitfires rust as well.

Peter Amendola from Franklin, Massachusetts, is also a keen Spitfire enthusiast owning a 1975 Federal Spitfire from new. Like Bob, Peter removed much of the emission control equipment from the engine a long time ago as a result of unreliability. Fortunately for Peter in Massachusetts, cars over 15 years old don't have to take an emission test. The single Stromberg carb has been replaced with twin SU's and being an earlier Federal car, it was never fitted with a catalytic converter.



Peter Amendola's 1975 Spitfire 1500

Peter also relates how he has had trouble with the seat belt/starter motor inhibitor system (see last month) fitted by law to all pre-1975 Spitfires. Apparently if the leads under the seat become wet (not uncommon on a Spitfire) they would short circuit and the car couldn't be started. Imagine trying to track down that fault! The solution was



Peter's tuned 1500cc engine.

Dan Stewart from Mercer Island, Washington, has owned his Pimento Red 1972 Spitfire IV from new. Being an early 1300cc model, Dans car has escaped much of the emission control equipment fitted to later Spitfires, and externally, with the exception of the side marker lights, is very similar to UK cars

Dan has rebuilt the car to concours standard and tuned the engine. Some of the tuning parts will sound familiar, others will not, eg. Delta D-9 high lift cam, twin HS4 carbs, K & N filters, Allison electronic ignition, Lucas Sports Coil, Pacer/Quickstrip exhaust manifold, Mocal oil cooler, Minilite wheels and Semperit 185/60 x 13 tyres.

With a loathing for the emission control equipment on US cars, it has been very difficult to get photographs of emission equipment on US cars. Surprisingly most of my photographs on US emission control equipment have come from cars in the UK!

Andrew and James Deacon of Market Harborough own a 1978 California model Spitfire 1500. The car was built in 1977 as one of 6 pre-production cars built by Leyland to try out the 1978 model changes to the California Spitfire.



Andrew and James Deacon's Californian spec. Spitfire 1500 being road tested with their UK Spitfire Andrews Spitfire upon return from Holland. MkIII.

The car was kept by BL for a year and then sold to Andrew through an intermediary in 1979 with 93 miles on the clock. The car had American style number plate holders, although the car was UK registered by BL as AWK 346T. Andrew found the unused plates in the boot!

In 1983 Andrew exported the car to Holland where it was re-registered KK-16-JB. The car returned to the UK in 1987 with 68,541 miles on the clock and is now undergoing a complete rebuild, mainly as a result of salty Dutch roads. As part of the rebuild, Andrew has had to replace the chassis as a result of rot in the main chassis rails in the differential area. Such rot is not usually a problem on UK Spitfires and must be attributed to the rear chassis extensions of the US chassis. Similar chassis extensions cause similar rot on the Herald and Vitesse chassis.



Andrew's new American spec. chassis.

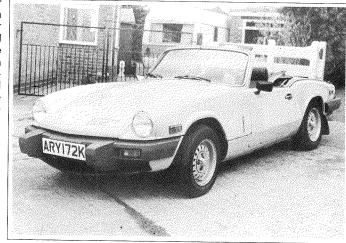




The car is still LHD and wherever possible remains in Californian spec, with the large rubber overriders and emission control equipment. Unfortunately, the air pump seized and has been removed. The catalytic converter matrix was also removed once it became poisoned (there was no unleaded petrol in the UK in 1979).

Only the empty canister remains. However today the car is now able to run on unleaded petrol. Andrew states that the performance is not noticeably slower than the UK Spitfire 1500s, mainly as a result of the US 3.89 differential ratio instead of the usual UK 3.63 ratio. However the car does begin to run out of steam at 85mph. James reports one benefit of the lower com- is from an earlier UK car. appears to run smoother/quieter torque than UK engines.

be an advantage when driving converter for your Spitfire! Rea's wife's boss managed to rescue their car from the BL Experimental shop in 1982. What the car was used for by BL is unknown, but it can't have been much as Reg received the car with only 34 miles on the clock. Rea had the car converted to RHD and the engine rebuilt to run on 4 star (again unleaded petrol was available in the UK then). The conversion was professionally undertaken by the local Jensen agents. The complete front scuttle was



Reg and Maureen Lowe's 1979 Californian spec. 1500. The no plate

pression engine is that it around the battery box and foot pedals. Reg remembers that getting hold of a new scuttle was difficult even then, only 2 years and has more bottom end after production ceased. The steering rack was replaced for a UK version which then got in the way of the US spec inlet and exhaust Modifications to the car have manifolds and so UK manifolds with twin carbs were fitted. To accept included changing the head- 4 star petrol the petrol filler cap had to be filed out to take the larger lights which dipped the wrong diameter pump nozzle. A new veneered dashboard was procured way and cleverly rewiring the at a cost of £75 (how much today?). The conversion was completed front side marker lights so that with UK plates taken from an early MkIV Spitfire. Apparently parts they do now in fact act as in- for American Spitfires are still available, Reg recently obtained a dicator repeater lamps. James set of new rubber bumpers from the States. In the past James finishes by saying that driving Deacon has been able to obtain parts from Rimmer Bros. but is not their LHD' Spitfires in the UK sure if US parts are still stocked. In the States, the major source for doesn't present any major Triumph Sports car spares is The Roadster Factory, PO Box 332, Killen problems and is some cases can Road, Armagh, Pennsylvania. How about sending off for a catalytic

in London traffic. Interestinally Paul Harfoot writes in to say that a friend has recently set up an export Reg Lowe of Northorpe, Notting-business in the states for Triumph parts and cars. He can be ham also owns a Californian contacted at Transatlantic Exports, 135 Plymouth Street, Brooklyn spec. Spitfire 1500 of 1978/9 Heights, New York, NY 11201 USA. Tel. 0101 718802 0600.

vintage with the large rubber Again many thanks to Bob Sykes, Peter Amendola, Andrew and wrap round bumpers. It would James Deacon, Reg and Maureen Lowe and Dan Stewart for their appear that 2 other Spitfires had help in compiling this artical and providing an insight into what 3/4 been cut up for scrap before of the Spitfires produced were like.



replaced thereby swapping A Spitfire meet in the US.

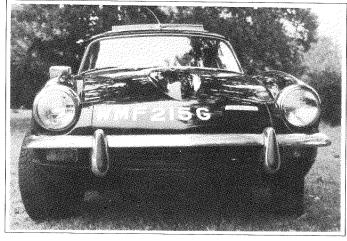


HIS month's feature car is a Royal Blue MkII owned by Andrew Tullis of Whiteparish near Salisbury. I first met Andrew through Pewsey Young Farmers. He owned a Morris Minor then, but next he graduated to a MkIV Spitfire brush painted with black Hammerite! and then on to WMF 215G, via various other projects, including a Morris 8 Series E Tourer, which is still in bits after having been bought in bits over five years ago! The GT6 is transport when on leave from exploring for oil in the U.A.E.!

S.A.H. TITE-TURN SUSPENSION KIT

On road test reports early GT6's and Vitesse's were criticised for their 'twitchy' rear ends; hence Standard-Triumph designed the rotoflex lower wishbone set up for the MkII cars (often referred to as MkII suspension). Pre MkII cars had swing axles with a fixed spring. At the same time S.A.H. had on offer a kit incorporating a rotoflex on the drive shaft with a modified hub (using Hillman Imp bearings) and upright, with a wish-bone connected to the bottom of the

main chassis rail (at its lowest point!). The wishbone is in fact a Triumph front upper wish-bone reversed, using a tapped block at the chassis end, finishing with a track-end bolted into a bracket welded onto the underside of the chassis. Wish-bone attachment points are welded also to the bottom of the upright, below the shock absorber mounting point. The photos of the set-up are from my MkI which unfortunately I crashed nearly two years ago, so with my Vitesse now on the road, I can start rebuilding it! From my ex-



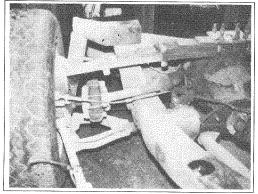
perience the true MkII suspension is superior. especially for a road car.

The S.A.H. set up suffered from poor Rotofle:

rotoflexes) the reason being (as I found out from Nick Jones - keen Dorset member!) that to aet a new rotoflex to fit at all the steel band has to be removed prior to fitting in order

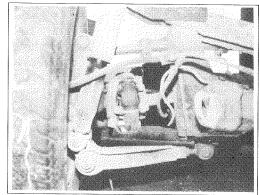
to get the bolts holes to line up. therefore the rotoflexes suffer from constant distortion when in situ.

The other complaint with the set up was that the lower wish-bone attachment point (to the chassis) gave very low ground clearance, less than 3" on my car, it could only just get up the farm track. and that was without a sheep in the back!



The track-end consists of a steel ball pressed into a race on the rod end and a bolt passes through the steel ball into the bracket on the chassis, there

is no rubber bush. This makes the suspenion very



Bearing the above in mind, however, the car did hold the road well with the S.A.H. set up. My car also had an extra anti-roll bar on the front. The setup can be considered as a step in the right direction, especially on a race/track car where refinement is not so important, or as in my case, I will be converting to a swing spring with long axles. but keeping the extra roll bar on the front!

NOTE: I was able to get spares for the S.A.H. setup through Triumph-Tune.

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WHEN DID YOU LAST CHECK **YOUR** BRAKE FLUID?

HY is is that I am never quite sure if that little aluminium cylinder $oldsymbol{V}$ has enough fluid in it to make my car stop? You know, the one that sits on that rusty bit of bulkhead under the bonnet at the back. The one that has the little cap that seizes on to the edge a few minutes after replacement. There is more than one reason.

Martin Réboul

One good one goes back to the late 1970s, and one of my first Triumphs. She was a grand old Mkl 2000 saloon, only 120,000 on the clock, a bargain at £25. Leather seats, and very similar breaking system to most club cars, ie, single circuit, effective but not festooned with fail safe hi-tech modern warning devices, brake pedal thickness monitors etc. etc. in fact a simple plumbing system, all joined together nicely with little rusty tubes, decaying bungy seals and corroded aluminium pistons and cylinders, and also a little metal 'film can' style reservoir somewhere or other under the bonnet. Hurtling back along the North Circular road, late one night, I was looking forward (with the usual thrill of anticipation) to traversing the deadly 'Neasden' bridge S bend, always a challenge in those irres-

ponsible youthfull days, and especially so with tired suspension and 'nearly slick' cross plies. Brak-ing was critical of course on a challenging corner, such as this,

and I had it down to a fine art. So I thought. Imagine my surprise at stabbing the brake only to find my foot on the floor, no discernible decrease in speed. followed by a very nasty sensation in the pit of the stomach.

Yes, as you have guessed, the last few drops of opaque grey magic stopping juice had squirted out somewhere or other and I was in trouble. Anyway, I'm still here to write this (just) and I did make it round the corner by desperate pumping of the brake pedal, very inadvisable 'emer-

gency panic' use of the handbrake, and a bit of luck with the steering. Looking back on it now, I would probably NOT be here had the rear brake drums not been saturated with brake fluid and had locked up under the influence of the handbrake. After this incident, I did become uneasy about brakes, not because of what had happened (leaky rear wheel cylinders in fact), but because there was no warning at all. I am sure we all know how people 'adjust' to gradually worsening defects in their cars (especially in the brakes) which are only noticed when the fault is rectified. My Vitesse developed a leaky rear cylinder a few years back and even a very experienced MoT tester who drove it described the brakes as 'brilliant'. The only clue was that there was increasing consumption of brake

fluid (which I was checking weekly by now) over the course of about three weeks. The fault was traced and fixed before disaster this time, but I thought it was time to do something about making the brakes a bit safer. I thought of the simplest way — if the fluid level drops dramatically there is a leak, so some early warning of this was in order. A trip to the scrapyard was interesting — many modern cars fitted with 'float' type switches on the reservoir cap, but none that would fit the large Vitesse / GT6 brake master (or I suspect the smaller Herald type). Eventually I bought a Ford cap to give me ideas, and took it home. What it consisted of was very simple a small plastic float that sits on (or in) the brake fluid, connected by a plastic rod to the switch assembly mounted in the lid, if the fluid level drops down to 'danger' level, a small brass contact on the top of the rod connects two contacts together. and closes a circuit. To test the circuit, a small squidgy rubber. This is pulled from the shaft (or contacts.

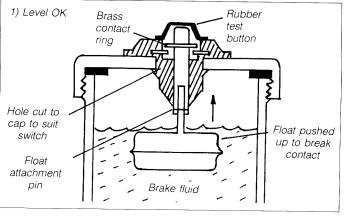
This means that you don't have to take off the reservoir lid to check fluid level, and the likelihood of dirt/water vapour etc. getting in is reduced. Also the warning circuit is checked at the same time -

I just used a bulb (prominently placed on the dashboard) but a small 12vc buzzer could also be used, or even both together

For cases of extreme paranoia, an extra bulb can be mounted under the bonnet (because it is hard to see the dashboard from

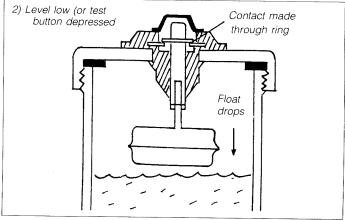
under the bonnet). The switch was fitted as follows:- a spare reservoir cap was used, actually an alloy type, although the PVC types could also be used. A hole is drilled in the centre, then filed out if necessary, to take the shaft of the switch. The switch can then be removed from the Ford cap by judicious levering with a screwdriver. The float must be removed from it's shaft, to which it is held by a tiny locking pin.

The switch was also cleaned. and carefully glued into place with Araldite. This seems to have worked perfectly and does not react with brake fluid. A different sort of glue may be necessary with plastic caps however, I have not tried this yet, but I am sure it is possible (possibly a plastic 'weld' with a soldering iron would be better). The float can then be attached to the shaft by pushing a hot pin through both parts of the shaft.

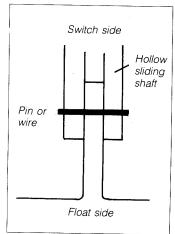


cover that protects the switch poked out with a pin). The plastic can be pressed down with a float shaft must be shortened a finger, pushing the float down little for fixing to the Triumph into the fluid and closing the reservoir, the shorter it is, the 'earlier' the warning! The Triumph cap was then cleaned and roughened with emery paper where it contacts the switch assembly.

and 'pinning' with a piece of wire. Make sure the hollow 'switch' side of the shaft is fully retracted into the switch (ie fully open position) or the pin could stop it from fully travelling up and opening the circuit. Thoroughly clean the whole assembly with meths, and the float should be able to move up



and down a couple of centimetres, the distance is not critical. A quick test with a meter (or battery and bulb) will show if the assembly is working:- ie, float up is 'off', float dropped is 'on'. The float should fall easily under the force of gravity, this is important because it must not stick.



Incidentally, when the assembly is 'liberated' from the scrapyard, don't forget to take the plug as well, and as much wire from the harness as can be managed. This will avoid having to make extra connections later on, and plug to my Vitesse directly.

There were in fact three wires and three pins on the plug, but two of them are connected together (which can be seen through the plastic switch top). and therefore one is not used. The cap was then replaced (with a hopeful smudge of 'copper slip') on the thread of the reservoir top) and plugged in. I actually used a permanent 12v supply from the battery (via a fuse of course!), so the level can be tested without the ignition switched on. With the fluid properly topped up (with a small air gap to take into account the displacement of the float), the warning lamp should be off, and a depression of the black button should make it light. Needless to say, the light should go out when the button is released. Now you don't have to take off the cap to check the level. Incidentally, the switch will 'leak' a tiny amount of air, so the vent hole (now drilled out) is not required.

If the bulb now blinks (especially whilst cornering / braking / accelerating) you know that the fluid level is low, and if it stays on all the time it is very low (about ½ full), so investigate at once. From long (and bitter) experience I find that slow fluid loss is most likely to be from the rear I had enough wire to attach the brake cylinders, possibly from a leaky hose/pipe joint (less likely),

and least likely (although possible) from the calipers at the front. Have a look at the drums first anyway (and front drums if you have them), and go from there. The level will also drop (though not drastically) as new pads and shoes were in, although frequent adjustment of the drums will eliminate the latter. However, frequent topping up means a leak for sure:

Don't do it:- INVESTIGATE AT ONCE (like I didn't). Be aware that 'single circuit' means single chance. Now all your brake failure worries are over assuming the bulb filament is OK ... and that connection under the dash . . . and that earth . . . and the float hasn't stuck PS. Thinking about the actual brake fluid, I had another nasty experience when I used a cheap brake fluid (made by a company that usually makes wallpaper paste - a'hem!) and decided to do some acceleration tests on the local race track, and also some 'top speed' evaluations at the same time. All went fine as I braked from a doubtfully indicated 120+ for the 'Stirling corner' bend, but was there a trace of sponginess perhaps at the 'Apex corner' chicane! never mind, up to full speed, a few bits rattling, no problem

'Low Level' warning lamp on dashboard Plug connection to cap Buzzer etc. if desired Brake master cylinder Earthed to car body

down the 'Fiveways' straight, brake for the lights ... arrgh! pump, pump, sweat, sweat! I stopped just over the 'finish line' by about six feet. After recovering, I investigated. Plenty of fluid, no leaks, no air locks, no water visible, just nice clear brake fluid. I used the rest of the bargain five litre (about £9.50) think) can as paint stripper. And, after thoroughly flushing and refilling with Castrol RR363 Heavy Duty Fluid, no more problems. I think I know why after reading John Thomason's article in the February issue, and looking at the boiling points of various types of fluid — thanks.

This DOT 4 fluid is WELL worth the extra and works as well in the Vitesse as Rolls Royce's and Bentleys. I have also found the same with antifreeze and oil it rarely pays to buy cheap and nasty stuff, always look for the specifications on the container before purchasing. This does not mean that 'branded' names are always best.

There are bargains around, but never buv anything in a plain wrapper or can. with no specifications on it. This also applies to mechanical parts, especially brake pads (as mentioned in John's article too).

I once bought a set in a pretty blue box . . .

One last thing. You know I mentioned that rusty bulkhead where the paint peeled off (probably sometime in the 1960s) when the first owner spilt brake fluid on it? After a fruitless search for 'brake fluid' proof paint, I think I have found the answer (apart from using silicone fluid, that is) available from

modelling shops in tin or aerosol is a substance known as 'Hot Fuel Proofer', which is meant to save model aircraft from the evil ravages of glowplug fuel. It also saves Triumph bulkheads (and carefully painted cylinders etc) from the evil ravages of brake fluid. It is a slow drying, strange smelling and unfortunately slightly yellowish clear laquer, which goes over cellulose and enamel finishes and seems to work! I would like to know if there is a paint that works - any ideas?

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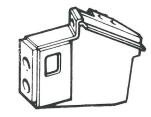
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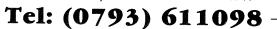
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Herald **Vitesse** Restoration

Peter Williams

Part 5 Near side rear quarter replacement continued.

With the tread plates replaced, assembly of the rear quarter, started in part three, was picked up again and presented few problems but a number of mistakes were made concerning how to best repair the outer wheel arch. As usual I like the idea of showing the trials of restoration as well as the successes so that others perhaps might choose the correct way first and save a lot of time and unnecessary expense in the process. The maxim of replacing the whole panel rather than patching, whilst not always holding true, is often the best approach.

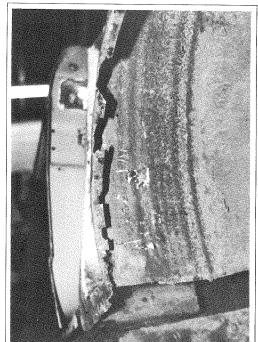


Figure 82. With the old wing cut off, the damage to the outer wheel arch lip was self evident. As only about one third of the lip appeared to be in this sort of poor state, it was decided to go for a simple patch repair.

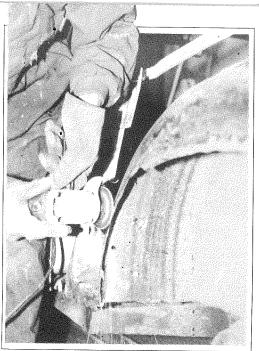


Figure 83. Hence, the damaged area was

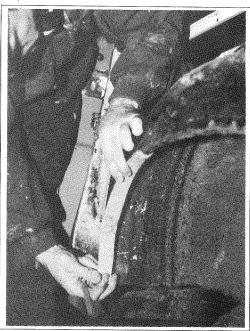


Figure 84. ...and a patch fitted up. Unfortunately, welding attempts proved rather less than successful as the surrounding metal vaporised into a lacework of holes. It just wasn't sound enough.



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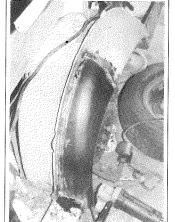


Figure 87 Attention now comes back to the assembly of the rear quarter remembering its conversion from the original estate item. The front and rear seams of the convertible wing top were treated to punched out holes every inch or so with the double action ioddler.



Figure 85. The next mistake was to buy a repro wheel arch, OK in itself, but only to use half of it. Doing the job as shown here was relatively easily achieved, cutting out half of the old wheel arch and welding in the new section but when it came down to it, the fit to the wing lip just wasn't good enough so the job was done again using a full arch. Repro wheel arches can be made to fit surprisingly well in a similar way to the original item but they do need working on quite extensively before fitting to the car in order to achieve the best result- to be shown in a future issue.



Figure 86. However the job's done, one thing that is a good idea is to use a flexible body sealer on all such welded joints. This Dunlop sealer proved to be very good with a usefully quick setting time. I just wish I could find another local outlet that stocks it, my original supplier having done a runner! After sealing the joint, give the job a good coat of paint as with the wing on, it's hard to reach all the nooks and crannies.

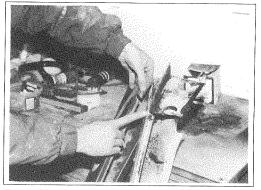


Figure 88. Pay close attention to old panels before throwing away as some subtle cutting is required to ensure a good fit. Here a very small section at the rear of the new wing top was cut away to match the old.



Figure 89 (left). Panel fit should be checked & checked again all the way through the process. Self tappina screws are quite useful for temporarily holding the panels together especially if you run out of clamps. Note the holes punched along the top of the wing ready for more plug weldina.

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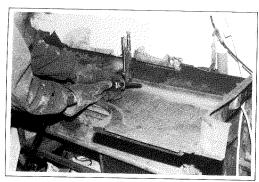


Figure 90. Just a little cheat for the camera to show the wing top clamped into position and me pretending to plug weld it on having already completed the job earlier sans said camera. Make a few well spaced welds first to ensure the correct positioning of the panel and then work your way along in between. For a good tight join, always weld close to a clamp. Finish off with seam sealer and paint.

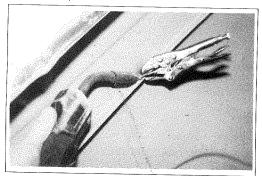


Figure 91. Don't forget to weld on new wiring loom clips as appropriate.



Figure 92. Prior to offering up the new rear quarter, clean back and inspect other areas where the wing is to fit. Unlike here, don't forget to keep the petrol tank out of the way: drained of fuel or not, dangerous petrol fumes can linger for ages.



Figure 93 (left). Drill a few holes in the rear of the panel to enable its welding to the heavy vertical backing plate.

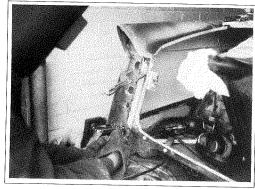


Figure 94. Secure the new assembly with as many clamps as possible and after checking against every reference point noted before hacking the old wing off, welding can begin. Here, up the vertical pillar and along the horizontal seam inside the boot.



Figure 95. Inside the car the inner B-post, specific to convertibles, had been carefully removed to allow easy access to the B-post/wing seam.

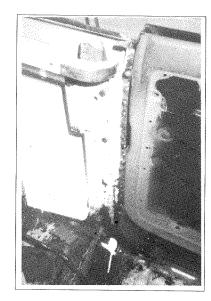


Figure 96. Welds complete and awaiting dressing back flush with the grinder. Note that the door was left on as a general check against the fit of the wing.

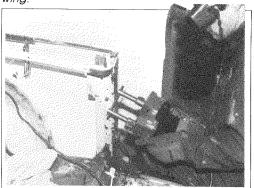


Figure 97. Any welding shown so far has been exclusively carried out by MIG welding. Many years ago before the advent of good affordable DIY MIG welders, I had bought a spot welder so I took the opportunity to try it out having properly plumbed it in to a 30 Amp cooker style connection point in the garage. My conclusion is that if you have a MIG don't buy a spot welder as the latter is very heavy, cumbersome, to do anything more than the simplest of jobs you need a range of different shaped arms and the welding tips are in almost continual need of being cleaned up. Having said that, it did give strong, professional spot welds in this application but all in all I found plug welding to much easier on the muscles and ultimately quicker.

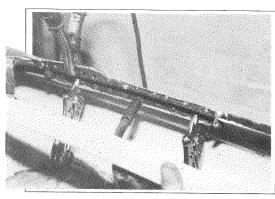


Figure 98. Carrying on with the rebuild, the wing top was itself plug welded to the forward spur of the rear deck: access being obtained by the previous removal of the strengthener panel shown in figure 43, after which the strengthener itself can be simply welded back in place.

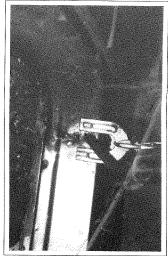


Figure 99 (left). A few welds are then required at the bottom of the B-post...

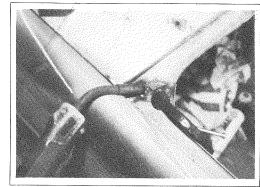


Figure 100. .the front corner of the boot drain channel...

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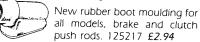
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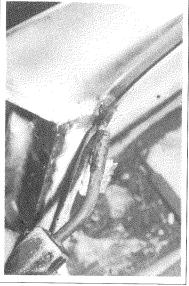


Figure 101...and at the top of the rear upright. A little braze might be alternatively applied here if you've a welded join.

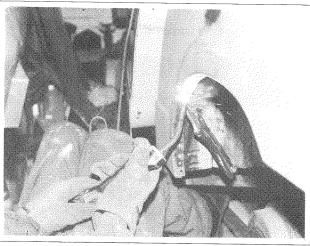


Figure 102. Due to the force of gravity, upside down welding is not as easy and is more messy than 'the right way up' so if the body is to come off anyway, this part could be left until the body itself can be turned upside down.

the necessary equipment as it's less Figure 103 (below). To finish the job, grind back the welds likely to crack in this flexible area than shown above and replace the inner B-post. Stand back and admire your hanywork.



Next month sees the near copybook removal and replacement of the off side rear wing and wheel arch both with the correct original panels. No messing about. Lovely.

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NTERNATIONAL

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Leon F Guyot

UITE a busy month this time, my father has just bought a new car, it's made in Coventy, the body was designed by an Italian, and it's red, well, not quite a Triumph, but he likes his Peugeot 405 Diesel Saloon, and it does 64mpg on a run, 47mpg around town, on diesel, which is cheaper than normal unleaded petrol in the UK, but very much cheaper in many other European countries.

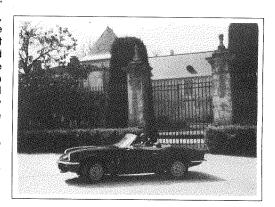
My Herald went into the spray shop on 27th April, for a respray of the bonnet top and bootlid, due to unsatisfactory preparation before the last respray of the bootlid, causing paint cracking and peeling, especially around the boot hinges. Due to various supply problems, indicative of British traders, the pain was not actually applied until this morning, Friday 10th May, which left me very little time to clean and prepare the car for the South of England Meet, tomorrow 11th May!

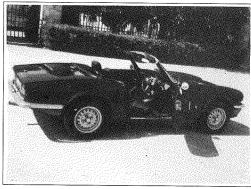
I must express my regret at not being able to attend the Triumph Club of Finland, River Kymi run from 8th-9th June 1991 in Kouvola, some 85 miles N.E. of Helsinki, Finland.

For me, as probably other British members, this is too early in the year, and also, I cannot afford it!, either financially — thanks to my long-running Vitesse project and also due to annual leave from work, which I am holding back for my July/August break, however, I do hope that I am able to make it up to their Oulu Summer meet in Western Finland on the Baltic Coast, from 27th-28th July 1991.

I would also like to thank Ivan Souverain (90/33999) from Bordeaux in France, who wishes to become TSSC Area Organiser for this part of France. I have no objections to this, although I must stress that I do no want the TSSC to 'tread-on-the-toes' of Amicale Spitfire (the French Spitfire Club), although it is desirable to have a TSSC presence in France, which is after all, a very large country. Ivan wrote to me a very nice letter, parts of which I may well reproduce in a following article (no time now), but his great enthusiasm is evident from the letter, and his is working on no less than three types of club car, ie: Herald, Spitfire and Vitesse, so, if any French TSSC members wish to contact him, please write to Iven Souverain at 13 Rue Tustal, 33000, Bordeaux, France.

A couple of photos of his Spitfire in a suitably French setting are reproduced here.





A message now from Andy Rayner, the TSSC Area Organiser for Canterbury/Dover area, who would like French/Belgian/Dutch Triumph enthusiasts who may be interested in a cross-channel trip to consider visiting Lydden Hill racing circuit, near Dover, on 22nd/23rd June 1991, for the Pirelli Classic Marathon weekend — well worth it!, and/or 10th/11th August 1991 for the Classic Car weekend, both of these event will include a free

Concourse, free camping, classic parade, autojumble, barbeque and Saturday night dance etc, and TSSC Racing on 11th August.

Pirelli Marathon time stage on 23rd June. Entrance is £5 per person on each day, under 15s free. If you wish to be included in TSSC reserved area. then pre-booking is essential, all pre-1974 cars booked in advance will receive one free pass valid for car and driver, their passengers will only need to pay £5 for both days. A commemorative Plaque will also be supplied free.

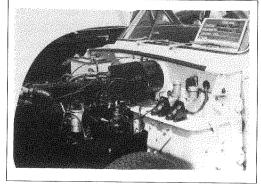
Booking forms may be obtained by sending a stamped-addressed envelope to Andy Rayner, 14 Derrington Downs, Barham, Canterbury, Kent, CT4 6QE, or telephone 0227 831793 (evenings)

Forms must be returned to Andy by 12th June for both events.

N.B. Lydden International Circuit is located off the A2, between Canterbury and Dover, Now, some interesting photograps from the USA, lent to me by Richard Symonds of Classic Components (Triumph 2000 trader, tel. 0264 55719) but actually the property of Bob Whitehead — a well known American Triumph enthusiast — these photos show that not all American Triumphs are TR6's etc.

did make it to the States, also a very nice looking Triumph 2000 Mkl Sedan, both here in the Concours judging.

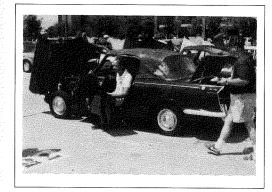
The second photo shows the underbonnet area of the Vitesse 6, showing the high (original) standard to which these cars are prepared allowing for the wrong battery, the rather short rubber strip, and painted over commission plate, otherwise beautiful.



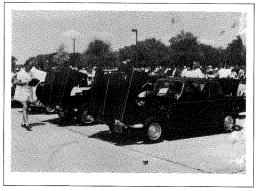


The first photo (above) shows a Triumph Vitesse 6 The next picture (over) shows two Herald 1200 Sedan (Saloon), note Vitesse 6, NOT Sports 6, and

convertibles, both looking resplendent in decent it's left hand drive, which proves that some Vitesses Signal Red paint jobs, although the hoods look a bit tatty, and the last is a closer shot of the nearest 1200 convertible, note the US specification redon-red rear lamp covers, and painted over doorlock-plates, also the rather peculiar U.S. wheel trims/hub caps.



These photos were, I am told, taken at the STIR in Chicago, Illinois, during 1985, I thank all concerned for their inclusion here, any more photographs from anywhere around the world would be most welcome, as I am running out fast!



include, below, the Club Triumph Holland Calendar for the information of all our European members who might be travelling in these countries this summer, our thanks go to Jos Jurriens for supplying it.

Well, nice to have the chance to talk to you all again and hope to see lots of you at the Stafford International this July 13th-14th, let's make this the one to remember!

Regards to you all.

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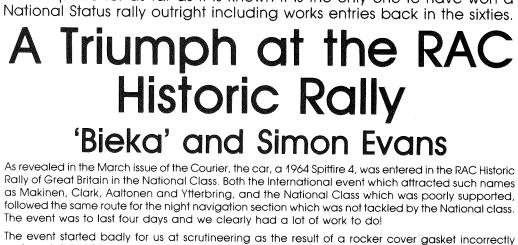
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as Makinen, Clark, Aaltonen and Ytterbring, and the National Class which was poorly supported, followed the same route for the night navigation section which was not tackled by the National class. The event was to last four days and we clearly had a lot of work to do! The event started badly for us at scrutineering as the result of a rocker cover gasket incorrectly replaced during the last minute preparations which left everything covered with oil after the journey down to Bath. The scrutineer (quite rightly) insisted that we clean things up before he would examine

the car. Having done this (why is it we never take enough rag with us to these events?), we discovered that a headlight bulb had blown on the journey down and that a throttle return spring had gone astray! A generous (but not altogether impressed) scrutineer allowed us to sort out these minor details by the next morning which only left us the task of driving over the measured mile to calibrate the Halda that evening.

After finding a replacement bulb and spring (the latter from a musical instrument shop in Bath) and



The car featured on this months cover is probably unique in the history of the Spitfire for as far as it is known it is the only one to have won a National Status rally outright including works entries back in the sixties.

having the car re-scrutineered, we eased our way down the start ramp with headlights blazing for the cameras and set off in the direction of Castle Coombe for the first test.

The test consisted of a mixture of fast sweeping bends on the circuit and tight chicanes made of straw bales and all was going well until we slid at the last corner and ended up stationary in eight inches of sticky mud. Some much appreciated muscle power from about ten spectators and marshals enabled us to finish the test with five seconds to spare before penalties. Needless to say this excursion had dropped us right down the order and with some disappointment we set off over the Severn Bridge into Wales and headed for a test in the Forest of Dean at Serridge. This test was not without problem either, a carburettor gasket blew out which left us sounding like a 2CV and with about as much power. However we somehow produced a reasonable time, replaced the gasket and continued with a bit more optimism.

The rest of the first day went well, including a blistering performance at the famous Prescott Hill Climb. After an hour of service time we gratefully headed towards the pub and our beds in Builth Wells while the International drivers took to the Welsh hills for the night regularity section — now we knew why we had entered this class!

The next morning we swapped the driving and navigating jobs, and the new navigator made what was almost a monumental mistake before the driving had begun. By taking a short cut through the Royal Welsh Showground we found ourselves strolling along a tarmac road with flags and bales on either side. All of a sudden we heard the familiar sound of a big Healey at full chat. Looking at each other we realised that we were actually walking along the stage. A panic look at our watches revealed that there would not be any cars along for at least three minutes, however, it certainly caused us to get a move on.

Our second day went well with no offs or navigational errors and we set the fastest stage time at the Burwarton stage and so were slowly crawling back through the order. All was looking rosy until the last two miles as we returned to Bath for the overnight halt. Just as we pulled onto the A4 in the evening rush hour, the fuel pump gave up the ghost. By playing with the electrics we got it going intermittently but it packed up completely with a mile to go. A passing spectator offered advice and help, some of his suggestions being so outlandish that they had best not be repeated in this magazine while Mike Crewes is writing for it. In desperation we were about to accept one of his offers when the official RAC service crew, who had been sent out to find us, turned up and



helped us limp to the finish just eight minutes away from disqualification. A tremendously supportive crowd who had stayed late to see if we would make it gave us a great cheer as we gunned the car up the finish ramp and into parc ferme with the last gasp of petrol vapour. We had learned a lasting lesson about carrying spare fuel pumps! We will certainly be grateful to Brian Cox driving the Pontiac Firebird for finding us a fuel pump in the middle of the night and the next morning during the four minutes we had to drive between parc ferme and the first test start of the day, we



changed the pump with one second to spare and then set the fastest time around Victoria Park in the centre of Bath. By now it must seem that our catalogue of disasters would have us running at the back of the field but this turned out not to be the case. In fact other people were having even more problems than us. Some were due to navigator or driver error, but others were either due to lack of preparation or gremlins depending on your point of view. The Aston Martin Volante had its rear suspension break and had an hours delay while it was welded back together. A Saab 96 V4 had ripped off its exhaust system leaving the start ramp on the first day and had lost a lot of time in a visit to Kwik-Fit, while the Pontiac Firebird, all 5.7 litres of it had a badly slipping clutch and had to miss a stage entirely. We therefore somehow reached the end of the penultimate day leading the National Historic Class overall after some exciting tests at places like the Cricket St Thomas Wildlife Park, the Westpoint Showground and a fantastically complicated autotest on Plymouth Hoe — ideally suited to the Spitfire with its tight spins around cones — we pitied the drivers of the Ford Falcon Spring and the GT40.

The final day dawned bright but damp, and all we needed to do was to finish safely, but with the crowd egging us on we went for it on the very last stage — a fast slalom course on the promenade at Paignton. The flag dropped and a mis-timed clutch almost stalled us. Just recovering, we rocketed into the first left hander to find that the driver's door was not secured. It flew open, was grabbed shut while negotiating the corner and we finished the rest of the test in hysterical laughter. Maybe we should make a habit of this as our time was fastest overall in the National

Rally and only two seconds slower than the fastest in the International event. It was also fast enough to beat Timo Makinen. frequently acknowledged as the world's best rally driver who has won both the Monte Carlo and RAC rallies on numerous occasions, this was the icing on the cake.

As we drove away from the finish ramp, we realised that we had taken the Spitfire to victory against cars almost all of which had at least twice the engine capacity. We were only beaten on number of fastest stage times in the National class by Tony Fall in the Datsun 240Z producing

about 180bhp and driven by an experienced works driver of the '70s. We would like to thank our sponsors, the MG Machine and Lancaster Insurance for the considerable help, Steve Phillips for extracting an indecent amount of power from a Spitfire engine, Chiswick Car Craft for doing those tricky tasks which were beyond our capabilities and the organisers and marshals for making the event enjoyable.

AN INCREASING NUMBER OF **CLUB MEMBERS ARE VISITING** THE NEW CLUB OFFICES AT LUBENHAM. THIS IS EXACTLY WHAT THE STAFF HERE WOULD LIKE TO HAPPEN AS IT KEEPS US IN TOUCH WITH YOU AND ALSO, IF VISITING IN THE WEEK. YOU GET AN IDEA OF HOW THE **CLUB FUNCTIONS AND THE** ISTAFF WORK TO GET THE MAG OUT.

Pen to Paper



CRANKSHAFT END FLOAT?

I have just read the letter by D. F. Swindell in the April Courier concerning clutch shudder. I wonder whether his problem is due to excessive crankshaft end float.

It is fairly well known now that after a high mileage the crankshaft thrust washers wear sufficiently to cause this problem. They are not difficult to change and the repair manuals explain how.

I was also interested in Grahame Watts letter about us old folk. I am 54 and am looking forward to driving my Spitfire again after a 3 year complete stripdown and rebuild. It was a lot of fun driving it, even in the bad state. I am thoroughly enjoying the restoration project which I am doing completely by myself — so if anybody would like any help or advice I would be glad to assist as I am becoming an 'expert'. My other car, which probably suits my age, is a Triumph 2000, I have done a lot of work on that too.

Don Reed

FEW TRAFFIC JAMS BETWEEN WEYMOUTH AND WAREHAM

EVERY working day I drive my Triumph, Herald 1200 saloon in the winter, Vitesse 2 Litre convertible in the summer, 20 miles each way to work and back again from Weymouth to Wareham.

I'm lucky because we seldom get real traffic problems here and driving my Triumphs is a real pleasure, especially in the summer with the hood down (thanks to Andy Topp at Templecoombe for a fine rebuild). Of course, there are problems with running old cars as everyday transport, I suffer the occasional overheating in the Vit if I do get stuck in some traffic (is there a more efficient fan that will fit?), and the Herald's a bit buzzy at 60mph and rattly at the rear end, more of which later,

But my biggest complaint is the total lack of other Herald/Vitesse drivers around these parts. I see the odd Spitfire, but I honestly cannot remember the last time I saw another Vitesse, let alone a GT6. I hear a lot of griping about MGBs and their owners in the Courier, but at least these owners drive their cars on the roads. So come on you Triumph owners in Dorset, let's see all those cars back on the road, or else all those enterprising people who set up in business to restore our cars are simply going to fade away and with them will go the means of keeping them on the road.

On the subject of rattly rear ends, of course most of the noise comes from the UJs. If they're worn it's simple enough, though a bit of a chore, to change them, but that doesn't always seem to completely cure the problem. I've found the hard way after hours of head scratching, that the cause of much of the rattling is due to, no, not the off quoted wear in the yokes, but that the thickness of the replacement circlips is often 0.5mm or so less than the originals. This allows the circlip to rattle around in it's groove making all that noise as it does so. Replace the old circlips or find new fat ones and the problem will almost go away, almost!

I immensely enjoy the Courier, but I too like some of your other readers was slightly disturbed to find that most of the membership consists of under 30s. But that won't stop me driving my Triumph.

Keep up the excellent work. Many thanks. Very best wishes,

David Moth (Early Guitar and Lute Maker)

(Club members certainly cover a range of occupations!)



INTERESTING PROBLEM

AN interesting problem arose recently when I visited the London Classic Car Exhibition at Alexandra Palace.

On the Moss stand was a complete GT6 rolling Prior to altering the shaft on my own vehicle, I conchassis with engine, gearbox and all suspension. Being a GT6 owner, I was naturally interested and after some minutes examination, I noticed the prop shaft appeared to be fitted the opposite way to the one on my own car. The chassis on the Moss stand had the shaft with the spline joint at the gearbox end.

As I have owned a couple of GT6, and a Herald in the past and thought I knew the vehicles more or less inside out, you can imagine I was disconcerted by the discovery. On questioning persons on the stand they thought that their example was correct. I then checked a parts manual on one of the adjacent stands and this showed a picture confirming their belief.

sulted my workshop manuals and it would appear that my car is correct.

This was reinforced by skeletal diagrams in magazine articles and the Brooklands road test

However a good friend of mine who is restoring a Vitesse claims his shaft was fitted as per the Moss stand example and has conflicting details in his literature on the cars. One handbook indicates that the factory fitted shafts in both modes and owners should note the way their particular vehicle was supplied.

Was this last statement in fact true? I would be interested in the views from other club members.

J D Griffiths

FUNDAYS & SUNDAYS

am toying with the idea of rebuilding my Spitfire 1500 as a 'Fundays and Sundays' car with its doors permanently closed.

The idea cannot be original and there are some attractions. I would be interested in the TSSC views the concept of a door-and-windowless, sleek and if anyone has done it. clean, tonneau-protected Spitfire does have its

serious 'cons' to set against the 'pros'. However, and also those of any club members — particularly

Max Ford

The GREMLINS crept in to Pen To Paper last month. many apologies to Dean and herewith is his letter in its ENTIRETY. MY WONDERFUL EASTER

HERE'S a little tale called 'my wonderful Easter'. Good Friday, 1991, and I'm on my way to Scotland for Easter.

The weather's fine, the car's running as smooth as were closed but Andy interrupted his golf to go silk. The blackbirds are singing and so am I. About to the shop and sell me the required bits. Three 8 miles south of Hexham, whilst coasting down a hours were spent changing the big ends and after long hill, I hear 'one of those little noises' which doesn't sound quite right. When the road levels off, that funny little noise becomes an alarming clatter. Obviously I stopped to investigate, my diagnosis being 'knocking big ends'. I pulled into the railway car park of the nearest village. Stocksfield, and not being in the RAC, rang my dad. He said he would come to my assistance and arrived 3 hours later. On starting the engine, he agreed with my diagnosis and offered to tow me home. This I vigorously declined, as being dragged 130 miles, 6 feet from the bumper of another car is not my idea of fun.

'Can I change the big ends here, in the car park'. After ringing round most local parts places, which, seeing it was Easter, were shut anyway, I aot in touch with Sports Car Supplies of Gateshead. They

much searching, the last sump bolt was found. The moment of truth. It still clattered like a Talbot. After much cursing and swearing, I decided to drive as far as I could home, planning to use the tow rope only if essential.

Driving very carefully, I managed to nurse it home, the only highlight being the look on peoples faces when I went for a pee at the services. As you can imagine, I was black from the waist up.

8am start Saturday morning, 5 hours sees us with the engine out of the car and on the floor in bits. The problem — broken crank. The break wasn't visible when I'd changed the big ends, because of its position. Food was eaten, the phone changed from beige to greasy black.

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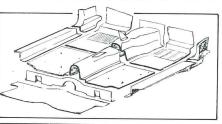
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we had to go. Off to Gateshead we went. No problems encountered apart from the idiot in the Escort who decided to pull out in front of me while I was going at a very illegal speed! After much sign language, he realised that I was slightly displeased and moved.

Sunday morning at 8.30 saw many bug eyed neighbours looking for the lunatic who was disturbing their beauty sleep. Stopping only for lunch, we got the engine rebuilt and in place. Oh yes sir, we have no bananas, we have no rocker cover gasket either! Monday lunchtime saw us

ready to go. After a few minor problems my Spitty was running as good as new.

Thank you time. Thanks to my dad for the rescue and help with the rebuild. Thanks to my neighbour Pete Wood (a fellow TSSC member) for general help and advice and thanks to my mum and Maureen for providing us with gallons of steaming hot coffee.

Finally, thanks to Andy of Sports Car Supplies for his assistance, sorry we dragged you off the golf

> Dean Carr. South Yorkshire Area

AM I JUST UNLUCKY WITH QUALITY?

I completed the rebuild to my Triumph Herald just over a year ago and have clocked up about 12,000 miles since.

The new rear overriders are *rusting*, the new front wings are *rusting from the inside*, the new bumpers are cracking and the new rear axle has creased. I have owned the car some 18 years and covered 90,000 miles in total so I know just a little about Triumph Heralds and how to look after them.

If the club is going to attract new members and stop cars being scrapped in the future, the new parts are going to have to be much better. I may have just been very unlucky but I am considering just keeping the car for show. Is there anyone out there who uses their car having the same problems with new parts.

J L Kempshall

The TSSC club do not supply any of the parts mentioned in the above letter.

WHAT A BUWT!

 Π always amazes me that in this country, anyone over forty is considered to have one foot in the grave. I am 56 years old and although I was born and bred in the North West, have lived in Buckinghamshire for over twenty five years. The air must be good down here, too.

first bought a 1300 Spitfire nearly nineteen years ago, and seven years later traded it in for a new 1500 model (1979). At that time, I used the car every day, and three and a half years ago, having accumulated a fair amount of rust, had it rebuilt. It is now in superb condition and is my pride and joy. We have travelled 33,500 miles together.

Since the rebuild, it has been out in the rain only when it has been booked in for a service (it always rains then!). Unfortunately, I wouldn't know how to start servicing it myself. I wish I did, it would be a lot cheaper.

I advertised it for sale once, and one of your readers nearly bought it. I am so glad he didn't. I hope to be driving it at 76 years old! There's nothing like driving along with the wind rushing through your hair! I was once told I was immature, but then I've still got a few more years left to grow up.

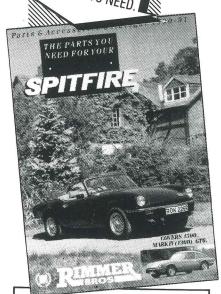
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Pauline Carr



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TSSC range of Automec products:-

Copper Brake Pipes - GB2O1 on these are complete kits, not to be confused with some cheaper kits available, they consist of labelled copper pipes with brass end fittings, tailored to length, non-corrodible, easy to shape by hand, will last indefinitely.

NOW INCLUDES FREE BRAKE SPANNER

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Supplied in pairs or sets of four.

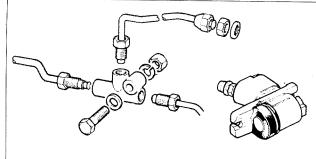
CODE DESCRIPTION PRICE £ COPPER BRAKE PIPE SETS GB201/202/203 GB204/205/216 HERALD 948 to 1961/HERALD 948 to 1961 on/HERALD 1200 DRUM FRONT BRAKES HERALD 1200 & 12/50 DISC BRAKES/1200 ESTATE/13/60 31.50 26.00 31.50 34.00 GB208/207 GB221/222 SPITFIRE 4/II/II/ — SPITFIRE IV/1500 SPITFIRE 1500 DUAL CIRCUIT 26.00 42.00 31.50 34.00 42.00 3.25 10.75 **MITORIC** GT6 II & III ROTOFLEX GB225 GT6 III NON-ROTOFLEX GB253 SILICONE BRAKE FLUID 1/2 litre 1.75 19.95 GB254 SILICONE BRAKE FLUID 1 litre P&P AP ROUTCH PIPE - 6 CYL CARS
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FITTING
BRAKE PIPES
FROM A
ROLL
Peter Crouch

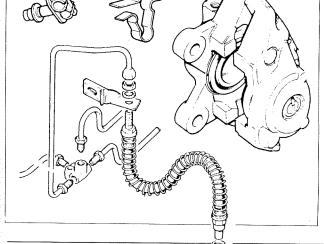
THIS operation is quite simple in theory; the difficulties arise when corrosion has seized up every nut which you want to undo!

The brake pipes on my newly acquired Spitfire 1500 were badly rusted (how on earth did it pass last year's MoT?), and replacing them took a lot of time — and money — than originally thought. If I had to do the job again, I would buy new union nuts for every joint disturbed, and a new 3 way junction at the rear. The modest cost of these would easily outweigh the frustration of trying to drill out the remains of badly rusted brake pipes from the union nuts.



The first thing to do is to give every joint which you will need to undo a liberal soaking with penetrating oil. Additionally, the bleed screws on each wheel should receive the same treatment. Allow to soak in, and repeat several times if badly rusted. Before going any further, it is a good idea to check that each bleed screw will move. Sod's law will usually dictate that at least one is seized up solid. Applying more force will then generally shear the head off. It is better to have this happen before disconnecting the pipes, as the car is still driveable.

If you wait until after you have changed the pipes, the system will be full of air which you cannot bleed out, and you will be immobilised.



74 The COURIER

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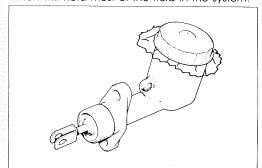
If you cannot budge a bleed screw, or shear its ends of the new pipes. I was fortunate in being head off, you will need to replace either the cylinder (rear wheel), or caliper (front wheel).

The cylinders are about £20 each including VAT and postage, calipers about £50 exchange. Needless to say, I needed a new caliper. Fitting is quite straightforward, and covered in the Haynes workshop manual.

You could try drilling the broken screw out, but you must be very careful not to damage the thread or seating, as the system operates under very high pressure. I broke a screw extractor in mine before giving up and opting for an exchange caliper. I am told that drilling is rarely successful.

Once you have conquered the bleed screws, you can proceed!

If you don't want to lose all your brake fluid, undo the master cylinder cap, and place several layers of thin polythene (such as supermarket vegetable bags) over the neck before screwing the cap back down. This should give you an airtight joint, which will hold most of the fluid in the system.



Be careful not to burr the edges of the union nuts with a badly fitting spanner, or you will never get them off. The best way of getting a stubborn one undone is often to saw off the old pipe close to the nut, allowing you to get a ring or socket spanner onto it. A large screwdriver or lever bar is invaluable to brace the mounting brackets, as otherwise they will bend or even break under pressure.

If you are retaining your rear 3 way junction, it may be easiest to unbolt it from the chassis, saw through the 3 pipes, and remove it to the bench to undo the nuts in comfort, clampina it in a vice.

You will need a pipe flaring tool to make up the

able to borrow a professional flaring tool but most DIY Car Accessory shops offer these at reasonable

The new pipes can easily be bent to shape by hand, but try to avoid making the bends to sharp, or you may weaken the pipe.

Remember to put the union nuts on to the pipe before flaring the ends. and to do both ends before fitting to the car! Ensure that the new piping is located in all the clips from which the old came, and that the front pipes do not foul the bonnet when closed.

Once all the nuts have been tightened, it only remains to bleed the brakes. One-man bleed kits are readily available, but if you have an assistant, you can easily do the job with a spanner and a jam jar. Again, the Haynes manual will give detailed instructions to those who need them. Finally, have your assistant press down hard on the brake pedal, while you check each joint carefully for leaks.

At the end of the day you will have the satisfaction of knowing that this is a job that will not need repeating for the life of the car.

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GO was purchased during June 1988 after a long-standing longing for a sports car.

The early days were spent looking at MGs but fortuitously none appealed, so my attention turned to TRIUMPHS and the SPITFIRE 1500 suited my requirements. It has conspicuous curves where as the other had straight squared lines.

After twelve months my hunt was over, but even driving home I still harboured some doubts, had I done the right thing, was it really what I wanted? Having made my decision I had to live with it. But now it's a well cemented relationship which I do not regret for one minute.

Doug Cresdee

Living with



AGO 839S

Upon arrival home, it was time to take stock, AGO looked and sounded OK for her age which was beginning to show. I commenced with a clean sheet of paper and went through every part of her, listing items which required attention, or replacing together if what changes were desirable from my point of view

 \mathbb{S} exercise resulted in three pages, but priorities were drawn up. This produced the plan of work

The first move was made by changing the oil and filter plus plugs and coil complete with the rest of the ignition system.

I acquired a hard top at this time as AGO stood out in the open and winter would be upon us. A agrage was also acquired within five minutes of home so as I could 'pop in' and see that AGO was OK in passing. Now with club membership, catalogue of spares and workshop manual, work could get under way.

With no intention of parting with AGO, I decided that all replacement parts should be of the highest order. Engine and drive train gear were found to be sound but running hot.

So, first things first, replace the radiator, water pump, 13 row oil cooler and at the same time a stainless steel exhaust system. Now, running as it should, the brake system was overalled, braided hoses and new master cylinder fitted

underseal and painting the chassis. With the and trim, These I will consider early next year.

passage of time, a new hood and frame plus steel bonnet became available from club members. Just before these were fitted the hurricanes struck, ripping the roof off AGOs garage. AGO was to move to a new home, better suited to her needs. Her bonnet was resprayed from Inca Yellow to Red and fitted

Now was the time to turn one's attention to the suspension, first the front was all rebuilt and the steering rack changed.

Next the rear end was tackled as she sat low and had a distinct lean to the off side. Every part was replaced. leaf spring, shock absorbers were uprated, down to the last nut and bolt. What an improvement to the ride and handlina!

This done, I set about removing all the old. All that is now left to do are the rear wheel arches

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