

Top tips for a new MGBGV8 enthusiast

Many new owners of the classic MGBGV8 model are keen to pick up the tips that fellow enthusiasts can pass on who have known the model for many years, so here we have a checklist of the top tips for a new MGBGV8 enthusiast. Although many new enthusiasts buying an MGBGV8 are people who had experience of cars in the mid and late 1970s when the V8 was produced, there is an encouraging increase in younger members buying an MGBGV8. For them the V8 will feel like a car from an earlier age in terms of its handling and maintenance, so routine maintenance like topping up the SU carburettor dampers with engine oil may not be something they will know is very worthwhile as it makes the V8 so much more enjoyable to drive, with a smoother pick up and acceleration and a less frisky engine at slow speeds. The tips start with some safety checks and we would particularly draw your attention to the need to have your brake servo checked, or better still replaced.

- **Check the bare thread of the bolt on the back of the carburettor airbox**

There is a bare thread of a bolt that passes through the back of the airbox on the nearside that must be secured as there is a risk the bolt may come free and fall into the nearside carburettor. You need to secure it with a spring washer and a nut. Although V8NOTE53 was released in 1979 amazingly there are still V8s around with a bare thread! Do it now!

<http://www.v8register.net/subpages/V8NOTE53.htm>

Still not convinced there are V8s without the modification - well on looking at the engine bays of two V8s at a European event in 2008, both had bare threads so there are still V8s out there needing this modification as a matter of urgency!

- **Check your coolant expansion tank is not overfilled**

It is essential you do not overfill the expansion tank. It should be between a quarter and a third full when cold. If it is too full then you can get syphonage from the radiator and then consequent overheating.

- **Replace the plastic filler with a brass unit**

The original coolant filler plug on the top of the V8 radiator was produced in plastic as part number **ARA2634** and many members have reported problems with it over time. Most V8 enthusiasts replace that plastic filler plug for a much better unit made in brass with a rubber sealing washer, part number **ARA2404**. See the Moss Europe MGBGV8 parts supplement MGL001B, page 20. You can see a copy on the V8 Website.

<http://www.v8register.net/subpages/v8workshopmanuals.htm>

<http://www.v8register.net/FilesV8WN/MGBGV8%20Parts%20Supplement.pdf>

- **Have your brake servo checked or better still have it replaced**

Fortunately brake failures from servo problems are rare but, unlike difficulties with slave cylinders where early warning signs can usually be detected, early warning signs of potential servo failure are few. The key feature of a series of alarming servo failures reported by members with Factory MGBGV8s is the loss of braking is very rapid indeed as the servo swallows the brake fluid! Fortunately they have been at low speeds and without damage to the car or personal injury. The modest cost of a servo replacement is a small price to pay for something which might save a serious incident.

More on brake servo failures

<http://www.v8register.net/subpages/servofailurecaution.htm>

How does a V8 brake servo work?

<http://www.v8register.net/FilesV8WN/Brake%20servo%20working%20note%20190109.pdf>

- **Change your engine oil regularly**

The importance of regular oil changes with a V8 engine cannot be repeated too often because the system is a low pressure-high volume system and the oil passageways are prone to sludging up. So an oil change every 3,000 miles or at least annually is vital.

- **What are the normal oil pressure figures on an MGBGV8?**

The MGBGV8 Driver's Handbook AKD8423 page 66 says the normal oil pressure is 30 to 40psi. The typical oil pressures you will see with the V8 engine in a Factory MGBGV8 are mentioned on page 4 of the six page MGBGV8 Buying Guide as 42psi in normal running conditions, falling to 20psi or so on idle when hot.

- **Remember the V8 engine in an RV8 is a low revving engine**

The Rover V8 engine in the standard form used in the 3.5 MGBGV8 model and later in the 3.9 injected RV8 version is a low revving engine with good torque characteristics. These characteristics give the RV8 and MGBGV8 a relaxed feel which is a major source of the appeal of a V8 powered MG. So for normal driving trying to rev over 4,500rpm is unnecessary as most performance for normal road use is available in the rev range 2,500 to 3,500rpm.

The gearing quoted on page 67 of the MGBGV8 Driver's Handbook AKD8423 for overdrive top gear is 28 mph/1,000 rpm. So at 70 mph in top overdrive is 2,500 rpm, at 80 mph is 2,857 rpm and at 90 mph is 3,214 rpm. The idle speed is quoted on page 66 as 800 to 850 rpm.

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- **Which MGBGTV8s have overdrive on third gear as well as top?**

Over the years many MGBGTV8 enthusiasts have been puzzled over quite when overdrive on third was discontinued because it is clear that cars with chassis numbers (or Car Nos.) of up to around GD2D1 1200 G and possibly higher have overdrive on third, whereas some much earlier cars do not. The myth that overdrive on third was discontinued early in the production run can be laid to rest - see our note. We have a live online survey where members provide data to enable the change point to be identified. <http://www.v8register.net/subpages/V8NOTE368.htm>

- **Top up your carburettors with oil**

Topping up the dampers on the twin SU HIF carburettors on an MGBGTV8 is a very worthwhile simple service routine which can make driving the MGBGTV8 so much more enjoyable with a smoother pick up and acceleration and a less frisky engine at slow speeds. Enthusiasts not familiar with SU carburettors may not be aware of the benefits of regular damper topping-up or what to do, so this note is a straightforward guide. This procedure is set out on page 58 of the MGBGTV8 Driver's Handbook AKD8423. Unscrew the black plastic cap at the top of each carburettor suction chamber and **gently** lift the piston and damper up to the top of their travel. Do not attempt to pull them right out. Fill the circular opening at the top of the suction chamber with engine oil (preferably 20-50 multigrade) until the oil level is just visible where there is a slight change in the internal diameter of the tube. Carefully push the damper down until the black cap contacts the top of the suction chamber. You may need to repeat the process to achieve the oil level noted above and then screw the black cap on firmly on the suction chamber.

What is the function of the damper in the SU carburetor?

<http://www.v8register.net/subpages/V8NOTE387.htm>

- **How can I upgrade twin 6 volt batteries to a modern single 12 volt battery?**

This upgrade is one most enthusiasts can undertake themselves and there are several options. See our workshop notes.

<http://www.v8register.net/subpages/V8NOTEbatteryconversionindex.htm>

- **How can I tell how old my tyres are?**

The tyre sidewall markings have an elongated circle within which is the data of manufacture – week number and year. See our useful guide which shows you how to read the tyre sidewall markings including the speed ratings.

<http://www.v8register.net/articles/Tyre%20sidewall%20markings%20explained%20SF%20R9%2021.7.08.pdf>

- **Replacement tyres – what tyres are popular with V8 enthusiasts?**

There is an ageing effect on tyre rubber which reduces the flexibility of the rubber to something that feels like wood with consequent effects on grip, handling and ride. So by the time your tyres are around seven to eight years old the suppleness of most tyres is reduced to a level which will be compromising the ride and handling. Even though there may well be plenty of tread remaining on tyres fitted to a classic car covering modest annual mileages, they will need replacing for both safety reasons and to enable you to enjoy the improved bump absorption and grip that new rubber will provide. But what tyres do you choose as replacements? Well currently the Continental Contact 2 tyre is popular choice for MGBGTV8 enthusiasts and it is available in a **175/80 R14 88H** size with the correct speed rating for the model. See our replacement tyre webpages and archived V8 Bulletin Board discussions on the topic.

<http://www.v8register.net/subpages/tyrereplacementV8BBthreads1.htm>

- **Where does the distributor vacuum line connect to the inlet manifold on a Factory MGBGTV8?**

New members sometimes ask "where does the distributor vacuum line connect to the inlet manifold?" A PDF with diagrams from the MGBGTV8 Supplement is available on the V8 Website and provides the answer.

<http://www.v8register.net/FilesV8/MGBGTV8%20top%20tips%20for%20new%20enthusiasts%20120410.pdf>

- **What manuals and handbooks are available for the MGBGTV8 model?**

We have a useful checklist of the manuals and handbooks, some of which you can download on the V8 Website.

<http://www.v8register.net/subpages/v8workshopmanuals.htm>

- **Which brake fluid should I use on an MGBGTV8?**

This is a subject where some people hold strong views for silicon or mineral fluids. We have a comprehensive six page article on the advantages and disadvantages prepared by a fellow V8 member, Bob Owen.

<http://www.v8register.net/articles/Brake%20fluids%20article%20R5%20Bob%20Owen%20230109.pdf>

- **Can I use unleaded fuel in an MGBGTV8?**

Can I use unleaded fuel in my MGBGTV8 with the original heads? It's a regular query from members so our note provides a clarification.

<http://www.v8register.net/subpages/V8NOTE216updated.htm>

- **Concerns with current antifreeze formulations with classic cars**

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The Federation of British Historic Vehicle Clubs has identified concerns over the latest formulations and their unsuitability for classic cars. See our news item on this current topic.

Update: <http://www.v8register.net/subpages/news010410antifreeze.htm>

Original article: <http://www.v8register.net/subpages/news090310antifreeze.htm>

- **Where can I get an MGBGTV8 serviced by an MG specialist who knows the model?**

We maintain a listing of service specialists and spares suppliers which have been recommended by fellow members. It's called the V8LIFELINE and you can access it online via the V8 Website.

<http://www.v8register.net/lifeline.htm>

- **Checking the steering rack mounts for signs of cracks developing**

Routine inspections at Brown & Gammons of the steering rack mountings on a V8 Roadster built from a LHD rubber bumper MGB roadster reimported from the US and on an RV8 have revealed serious cracks in the steering rack mounts on the crossmember. As the consequences of a complete failure would be serious, members with MGBGTV8s, V8 Roadsters and MGBGTV8 conversions need to have the mounts inspected as a matter of urgency. The cracks are in the "U" shaped mount and not on the welded joint with the crossmember. The leading RV8 specialists will include a crack check as part of service work on your car. It needs a very bright inspection lamp and a close examination to see hairline cracks developing.

<http://www.v8register.net/subpages/RV8NOTE241.htm>

There is a strengthening kit – details are described in RV8NOTE242.

<http://www.v8register.net/subpages/RV8NOTE242.htm>

- **More useful information on maintaining an MGBGTV8**

See our webpage of links to more useful information.

<http://www.v8register.net/subpages/profileMGBGTV8index2info.htm>

If you are an enthusiast wanting to get an MGBGTV8 then we have a buying guide

There is special website on the V8 Website or alternatively you can visit the MGBGTV8 section of the new website which has been created for the Club at www.buyinganmg.com and a new 60 page book called "So you want to buy an MGBGTV8 or MG RV8?" is to be launched in the next week and will be available from our Club Office at £9.95 including UK P&P.

<http://www.v8register.net/v8/index.htm>

If you need further help and advice then you can:

- **Contact the V8 Helpline** via the link on the V8 Website homepage and speak with an enthusiast who knows the model.

<http://www.v8register.net/buyershelpline.htm>

- **Search for the topic** using either the key word search box on the V8 Website homepage or the detailed Index to the popular V8 Workshop Notes series which has been running since 1978. There is a useful note with tips on searching for information on the V8 Website or V8 Bulletin Board.

<http://www.v8register.net/subpages/v8bbsearchtips.htm>

- **Post a query as a message on the V8 Bulletin Board**

<http://www.v8registerdata.net/default.asp>

- **V8 Workshop Notes series** – you can see the contents online, download a free copy of the detailed Index and order a copy of the series using our Online V8 Shop. The Online V8 Shop is closed from time to time.

<http://www.v8register.net/V8Shop/v8publications.htm>

Benefits of joining the V8 Register and MG Car Club

Whilst we run the V8 Website and V8 Bulletin Board on an "open to all" basis, we do that to provide a welcome to new enthusiasts and to encourage them to join the V8 Register and the MG Car Club. The benefits of membership are very worthwhile and the annual subscription, which includes a monthly 100 page colour Club magazine. We do urge you to register your MGBGTV8 with us and join the MG Car Club.

Joining the MG Car Club

<http://www.v8register.net/subpages/subscriptions2.htm>

Joining the V8 Register, part of the MG Car Club

<http://www.v8grapevine.net/>

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V8 Website is a wonderful resource

The V8 Website has over 3,000 webpages or files and gets over 10,000 hits in a typical rolling 30 day period. Those hits are what are known as “unique hits” which do not include repeat hits from the same visitor in any individual day. With a large website packed with information it is essential to use the search tips to find answers to specific queries. So do use our search tips. For new members we have a “New Visitors’ Content Guide” which explains what information is available with links to the major sections. Our aim is to enable members to reach the information they need in two to three clicks so you will see there are many useful links on the V8 Website homepage which take you straight to the area you need. Finally we have a feature not seen on many websites – a Recent Changes log – which provides you with links on a daily basis to all the new webpages or significant webpage updates. On average there are about three update links per day, so this facility enables frequent visitors to be able to go straight to the new content on the V8 Website.

V8 Register report for 2010

<http://www.v8register.net/subpages/newsnewsnewsnews130110.htm>

Feedback is always welcome

So let us know what you feel. The V8 Register is a members’ group and contributions to the workshop notes series or other items are welcome to provide useful information or help for fellow members. The successful V8 Workshop Notes series, now into its 12th volume, is a clear example of that!

<http://www.v8register.net/subpages/anycommentcard.htm>