





Softly, softly

Stable high-speed cruising; smooth, quiet engine sluggish at low revs; good roadholding; clumsy steering; good brakes and economy; seats comfortable but lack support; dated finish and controls.

TER a lapse of over 30 years, MG have re-entered the First Division of the sports car league table with their new C model in which a six-cylinder 2,912 c.c. engine is installed instead of the four-cylinder 1,798 c.c. unit of the MGB which, of course, continues as a separate model in Mk. II form, To Europeans this new power-plant is still likely to be rated as big, despite the current influx of large American-made or Americaninspired V-8s. Described in detail in our October 21 issue, the new engine is a modified, lightened and seven-bearing version of the old Healey six; it develops 145 (net) b.h.p. at 5,250 r.p.m. compared with the 95 b.h.p. at 5,400 r.p.m. of the MGB unit, and produces 170 lb. ft. of torque at 3,500 r.p.m. instead of 110 lb. ft. at 3,000

With 53% more power yet only 18% more weight the MGC can be expected to go much quicker than the B, and it does: top speed, for example, was 118.2 m.p.h. for our road-test hard-top

two-seater, compared with the 106.5 m.p.h. attained by the similar version of the MGB which we tested in 1964. But enthusiasts familiar with the fierce, masculine behaviour of the Austin-Healey 3000 Mk. III may find the performance of the new car a little disappointing. This is partly because of poor torque below 3,000 r.p.m. which can lead to sluggish overtaking, and partly because of the very refinement of the new unit and its subdued exhaust note, which is often drowned by aesthetically less satisfactory fan and gear-box whines. These two characteristics make the MGC much more of a high-speed touring vehicle than a sports car. Certainly the new model amply satisfies one of the prime requirements of grand touring-the ability to cruise with complete effortlessness at high speeds. The steering feels lower geared and less precise than that of the MGB, and in conjunction with an overlarge wheel and lack of lateral support from the seats, rather discourages the kind of hard cornering a sports-car fan is likely to indulge in occasionally, although the overall handling characteristics are little changed. Also GT in character are some improvements to interior safety and comfort: rubber winders for the windows, neatly recessed door locks and some welcome additional fore-and-aft adjustment for the driver's seat. However, the method of rake adjustment is as primitive and inadequate as ever, the heater has inferior controls and remains an extra, the glove

PRICE: £895 plus £206 16s 6d tax equals £1,101 16s 6d. Overdrive £61 9s 2d with tax, hardtop £73 15s with tax, heater £15 1s 2d with tax, wire wheels £30 14s 7d, total as tested

MGC continued

compartment is crude, sun visors are not provided as standard on this open model, and no fresh air vents (or extractor louvres on the GT version) are fitted. Despite these faults, general comfort is quite good and there are few cars that can outpace the MGC at anything near its £1,163 price tag, as our performance chart shows.

Performance and economy

Requiring full choke for the first start of the day, the new engine is one of those for which any initial choke setting seems either too much or too little, and a mile or so must be covered before power is developed cleanly. On our test car the engine idled with a whine, but made its true nature apparent at anything above 1,000 r.p.m.

m.p.h

From this speed it pulls without hesitation, pinking or vibration, making for pleasant driving in towns—and the quiet hum of the exhaust is the predominant noise. But at the higher engine speeds used on the open road, especially between 3,500 and 4,000 r.p.m., the quietness of the new unit becomes a trifle masked by a fan noise which although it is never unduly loud, is particularly evident at speed in the lower gears. The lack of torque below about 3,000 r.p.m. makes itself evident when overtaking, too. With the throttle floored at, say, 1,500 r.p.m., the car takes some time to build up speed until the engine reaches 3,000 r.p.m. when it begins to pull firmly and continues to do so with silky smoothness right up to the 5,600 r.p.m. limit, at which it sounds quite unstrained.

Because of this lack of low-speed torque, high revs and wheelspin had to be used during our standing start acceleration tests to prevent the engine speed from dropping too low. Nevertheless, the creditable 0—60 m.p.h. time of 10.0 seconds was achieved, comparing well with the 12.6 seconds of the MGB.

As might be expected from a capacity increase of over a litre, the fuel consumption has gone up, but the difference is small. The

Continued on page 28

Performance

Performance tests carried out by Motor's staff at the Motor Industry Research Association proving ground, Lindley.

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Conditions

Weather: Warm and dry.

(Temperature 54°-61°F, Barometer 29.4 in.

Surface: Dry concrete and tarmacadam.

Fuel: Super premium 101 octane (RM) 5 star rating.

Maximum speeds

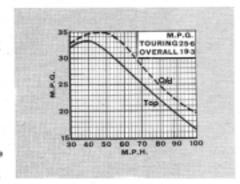
Mean opposite runs				٠.					ı	÷		118.2
Best one-way 1-mile												
Direct top gear												
3rd gear)												94.8
2nd gear > at 5.60	Ю	r.p	LIT	ì.								60.3
1st gear												41.5
"Maximile" speed: accelerating from re-			ed	q	ua	irti	ы	m	le	a	fte	r 1 mil
Mean						٠.						113.9
Best												
Acceleration ti	m	e	8									

Acceleration times m.p.h.

m.p.h.																		500.
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0.40										_			ď	į.	ĺ.	ï		5.1
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0-60	9																	10.0
0-70	0	Ċ	Ċ,															
0-80																		17.7
0.90																		22.6
0-100																		
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20-40					1	6.	o			- 1	0.	3					.0	
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50-70						-	3				1.						4	
60-80						ó.	-				i.					-	3	
70-90					-	٧.	•				ž.					-		
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80-100	,				_	_				_ '	4.	o				_	_	
_	-	-	-	-								-	-					

Hill climbing

At steady speed		lb./ton
O/d top	1 in 10.8	(Tapley 206)
Тор	1 in 8.9	(Tapley 251)
3rd	1 in 6.9	(Tapley 322)
2nd	1 in 4.1	(Tapley 528



Fuel consumption

Touring																	
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accelen																	
Overall			ì			ı		ï	÷		·	ě		19	.3	m.	p.g.
									(= 1	14	.6	lit	res/	10	ю	km.)
Total te	st mil	ea	ge	1			,						÷	1,4	4	5 п	niles
Tank ca	pacity	y O	mą	ıkι	H)	s f	ig	uri	e)							12	gal.

Steering

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Right					1									×	÷				331
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Steering	١g	1	wt	iee	i	d	efi	ec	tio	m	1	lor	1	50	Oft		di	ari	neter
circle	,				ï			ı			·			·			1.	1	turns
Clut	ch																		
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Brakes

Pedal pressure, deceleration and equivalent stop ping distance from 30 m.p.h.

lb.	g	ft.
25	0.35	86
50	0.74	40}
75	1.0	30
Handbrake	0.37	81

Fade test

20 stops at $\frac{1}{2}g$ deceleration at 1 min. intervals from a speed midway between 30 m.p.h. and maximum speed (= 74.1 m.p.h.)

Pedal force at beginning	ı			ı		30
Pedal force at 10th stop						35
Pedal force at 20th stop					,	37

Weight

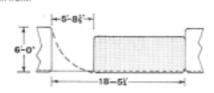
Kerb weight	(unladen	with	fuel	for	app	roximately
50 miles)						22.2 cwt.
Front/rear dis	tribution					. 56/44
Weight laden	as tested					26.0 cwt.

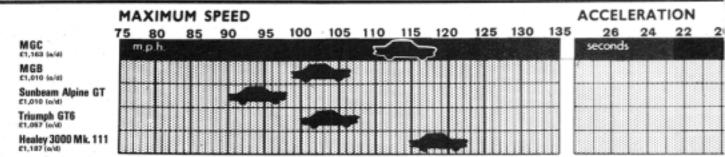
Speedometer

Indicated True	10 20					
Indicated	100					
True	99					
Distance re	corder	٠.	 	 	800	uran

Parkability

Gap needed to clear a 6ft, wide obstruction parked in front:







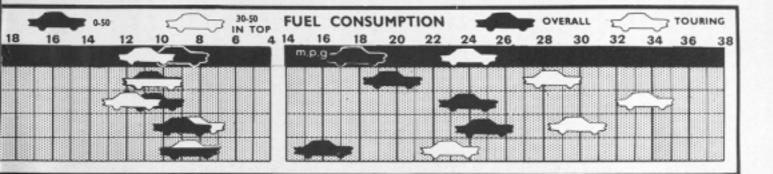
Interior of MG is well-trimmed and comfortable; range of fore-and-aft seat adjustment has been increased.



Plenty of loose luggage can be stowed in the space behind the seats. Just visible at the bottom of the nearside seat back-rest are the rake adjustment bolts; we took these out of the driver's seat to get more rake.



There is enough room behind the seats to carry one adult or two children for short distances.





From the rear the MGC is indistinguishable from the MGB, except for a small "MGC" emblem on the boot above the octagon, and wider tyres on 5J rims that not all MGBs have.

MGC continued

overall consumption was 19.3 m.p.g., compared to the 21.3 m.p.g. of the ordinary MGB and the 20.9 m.p.g. of the GT version. This was achieved on a mixed diet of British five-star petrol and French "Super Essence", and there was no pinking or running-on with the latter fuel. On several occasions, however, the plugs fouled up after a period of traffic running and needed a few bursts of high revs to clear them.

Transmission

The new gearbox has synchromesh on bottom gear and a lever which is spring loaded towards first and second, probably

Safety Check List

Steering assembly

Steering box position Forward Steering column collapsible No. but jointed Steering wheel boss padded No Steering wheel dished

Instrument panel

Projecting switches Yes Sharp cowls Yes At top of facia Padding

Windscreen and visibility

Screen type Laminated Pillars padded No Standard driving mirrors Interior Interior mirror framed Yes Interior mirror callapsible Yes Sun visors None

Seats and harness

Via slides Attachment to floor Do they tip forward? Yes Head rest attachment points None Back of front seats Padded Safety Harness Diagonal and lap Harness anchors at back Not applicable

Yes

No

Projecting handles Anti-burst latch Child-proof locks

Door handles recessed: window winders soft

because there is hardly any free movement across the gate in neutral between the 1-2 and 3-4 slots. It is slightly heavier and generally less pleasant to use than the MGB's, partly because it is easy to notch first instead of third from second, and inadvertently override the spring protecting reverse on the left when coming down to second. Perversely, reverse itself was often difficult to select. The synchromesh, however, is effective and not too obstructive.

Both the throttle and clutch are smooth and progressive but have a long travel, giving a rather "soft" feel to the car.

With overdrive (as on our test car), goes a lower final drive ratio (3.307:1 instead of 3.07:1) and different indirect ratios to give approximately the same speeds in first, second and direct third as on the non-overdrive car. Direct top, being determined solely by the final drive ratio, remains a lower ratio (22.1 m.p.h. per 1,000 r.p.m.) than top without overdrive (23.8 m.p.h. per 1,000 r.p.m.). These ratios are generally satisfactory, except for a rather large gap between second and third-as on t MGB-which is accentuated by the torque characteristics. I overdrive top, the engine speed is only 3,700 r.p.m. when cruising



With room for 3.3 cu.ft. of our test boxes plus some soft luggage, as well as more space behind the seats, the stowage capacity of the MGC is quite

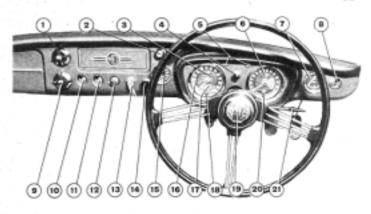
heater, tonneau

at the 100 m.p.h. which the car was able to maintain comfortably on French autoroutes. Below 3,000 r.p.m. the overdrive engages reasonably smoothly; even at higher speeds, it comes in with less of a jerk than usual so it is not really essential to dip the clutch to cushion engagement.

Handling and brakes

With 210 lb. more engine weight and an increase in front roll stiffness, pundits have been predicting tremendous understeer for the new MGC. But in fact the weight distribution is very little changed compared to the MGB, although the car is 31 cwt. heavier overall. Other factors which work against an increase in understeer include an increase in power and the fact that the front tyres are run at 4 p.s.i. above the rears. Under most circumstances, therefore, the car remains a mild understeerer and although the tail can be made to break away quite readily it does so in a rather clumsy, wallowy way. The biggest difference is in the steering. To prevent it from becoming intolerably heavy, the gearing has been lowered (there are now more turns from lock to lock for a bigger turning circle) and the castor angle appreciably reduced. Even so, the steering is still almost in the heavyweight class; on sharp corners you have to haul it round from the shoulders and even on gentle ones it is a bit spongy and unsporting.

These two characteristics, plus an over-large steering wheel and the tendency to cling on to it because of poor lateral support by driver's seat, make it physically difficult to apply rapid frections—your hands are liable to get tangled up with your knees—and tiring to throw the car about in the way that ought to



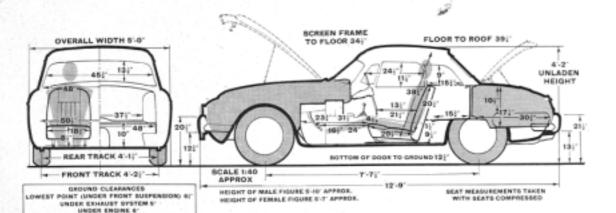
- heater temperature control. 2, lights switch. 3, trip mileometer.
 panel light rheostat. 5, indicator tell-tales. 6, rev-counter.
 fuel gauge. 8, overdrive switch. 9, heater distribution control.
 heater fan switch. 11, wiper switch. 12, washer button.
- 13, ignition/starter lock. 14, choke. 15, oil pressure and water temperature gauge. 16. speedometer. 17, mileometer. 18, headlamp main beam warming light. 19, hom button. 20, ignition warning light. 21. indicator stalk.

Continued on the next page

Specification

Cubic capacity 2,912.6. Valves pushrod o.h.v. Compression ratio 2,012 Carbureters Twin SU HSS Fuel pump Machanical Offither Subject of the Cubic capacity (1998) Max. power (ned) 145 b.h.p. at 5,250 r.p.m. Max. torque (net) 170 lb.ft. at 3,500 r.p.m. Max. torque (net) 170 lb.ft. at 3,500 r.p.m. Transmission Clutch Borg and Beck a.d.p. 9 in. diaghtagm Top gear (s/m) 1,021 lowerdrive, 0,32:11 3rd gear (s/m) 2,058:1 1st gear (s/m) 2,3307 M.p.h. at 1,000 r.p.m. in:— Overdrive 3,307 M.p.h. at 1,000 r.p.m. in:— Overdrive 3rd gear 10,33 Overdrive	Engine Cylinders 6 in line	Dimensions 11½ in. die. discs: 9 in. die. drums Friction areas: Front 20.8 sq. in. of lining operating on	
Fuel pump Mechanical Oil filter Full flow Max. power (ned) 145 b.h.p. at 5,250 r.p.m.	Cubic capacity 2,912 c.c. Valves pushrod c.h.v. Compression ratio 9.0:1	226.2 sq. in swept area of disc/drum Rear 63.6 sq. in. of lining operating on	
Transmission Clutch Borg and Beck s.d.p. 9 in. diaphragm Top gear (s/m) 1.0:1 loverdrive, 0.82:1) 3rd gear (s/m) 1.307:1 (overdrive, 1.07:1) 2nd gear (s/m) 2.058:1 1st gear (s/m) 2.98:1 1st gear (s/m) 2.98:1 1st gear (s/m) 3.305:1 Coechwork and equipment Starting handle No Jack Pillar sorey Ip gear 2.2:1 Ip gear 2.2:1 Ip gear 2.2:1 Ip gear 3.3:0 Interior heater Chassis Construction Unitary Brakes Shock absorbers: Front Armstrong beleacopic Rear Armstrong lever Coefing system Coefing system Coeffing par Coeffing par Comparative campinion Tyres 165:15 Dunlop SP41 Minimum servi Ipsis 165:15 Dunlop	Fuel pump Mechanical Oil filter Full flow Max. power (net) 145 b.h.p. at 5.250 r.p.m.	Front Unequal length parallel wishbones with torsion bars and an anti-roll bar	
Clutch Borg and Beck ad.p. 9 in. diaphragin Top gear (s/m) 1.0:1 loverdrive, 0.82:1) 3rd gear (s/m) 1.307:1 loverdrive, 1.07:11 2nd gear (s/m) 2.058:1 7yres 165-15 Dunlop SP41 Minimum servi (gnision straing layerses 3.095:1 Coachwork and equipment Sparking plug. Contact breaks Pillar sortew Jacking points One each side in door sill straing pager 2.2:1 3rd gear 3.3:0 5reen wishers Manual button Front wheel to Sun visors None Castor angle Chassis Construction Unitary Brakes Brakes	Transmission		
Reverse 3.0951 Coachwork and equipment Sparking plug of S	Top gear (s/m) 1.0:1 (overdrive, 0.82:1) 3rd gear (s/m) 1.307:1 (overdrive, 1.07:1) 2nd gear (s/m)	Rear Armstrong lever Steering gear Cam gears rack and pinion Tyres 165-15 Dunlop SP41	Cooling system Chassis lubricatio Minimum service Ignition timing
Final drive 3.307 Starting handle No Sparring programmer. No Sparring programmer. Starting handle Jack Pillar sortew Tappet clearen Jacking points One each side in door sill Starting pages 22.1 Battery 2 x 6 volt negative earth, 72 amp. hours capacity Inlet opens Inlet closes 2 amp. hours capacity Inlet opens Inlet closes 2 and clearen Starting handle Pillar sortew Starting handle Pillar sortew Tappet clearen Starting handle Pillar sortew Tappet clearen Jacking points One each side in door sill sattery 2 x 6 volt negative earth, 72 Valve timing: amp. hours capacity Inlet closes Inlet closes 2 Inlet closes Indicators Starting handle Pillar sortew Inlet opens Inlet closes Indicators Starting handle Pillar sortew Tappet clearen Inlet opens Inlet closes Indicators Starting handle Pillar sortew Tappet clearen Inlet opens Inlet closes Inlet closes Indicators Starting handle Pillar sortew Tappet clearen Inlet opens Inlet closes Inlet closes Indicators Starting handle Pillar sortew Tappet clearen Inlet closes In	tograma	Coachwork and equipment	Sparking plug ga
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2nd gear 10.8 Indicators Self-cancering feathers Dataust ope 1st gear 7.4 Screen wipers Two-speed Exhaust clos Screen washers Manual button Front wheel to Sun visors None Camber angle Locks: Castor angle Construction Unitary With ignition key Doors King pin inclin. With other keys Boot and glove locker Tyre pressures Interior heater Fresh air loptionall Front	ip gear	Battery 2 x 6 volt negative earth, 72 amp. hours capacity	Inlet opens
Screen washers Workspeed Exhaust close Screen washers Manual button Front wheel to Sun visors None Cerriber angle Locks: Construction Unitary With other keys Boot and glove locker Tyre pressures Brakes Interior heater Fresh air loptionall Front			Exhaust opens
Chassis Sun visors None Cember angle Castor angle Construction Unitary With ignition key Doors King pin inclin. Brakes Interior heater Fresh air (optional) Front	The state of the s		
Brakes With other keys Boot and glove locker Tyre pressures Interior heater Fresh air (optional) Front	Chassis	Sun visors None	Camber angle
Brakes Interior heater Fresh air logitional front .	Construction Unitary		King pin inclinati
	Brakes		
Type Grining discardrums with servo. Extres available Automatic gearbox, wire Hear .	Type Girling discs/drums with servo.	Extras available Automatic gearbox, wire	Rear

cover, exterior luggage grid. rear compartment cushion Leather and leathercloth **Bubber mats** y styles 12 pints S.A.E. 10W-30 14 pints S.A.E. 10W-30 1 pints S.A.E. hypoid 90 Sealed rack 184 pints (2 drain tags) Every 3,000 miles to 4 points e interval 3.000 miles 8° b.t.d.c. 0.014-0.016 in. gáp sp 0.024-0.026 in. Champion N9Y Inlet 0.015 in.: Exhaust es (cold) 0.015 in. 16" b.t.d.c. 56° a.b.d.c. 21° a.t.d.c. Parallel -in 0° + ½° - 1½ 5° + ½° - 1½ 9° - ½° + 1½ 26 p.s.i. 22 p.s.i.



MGC continued

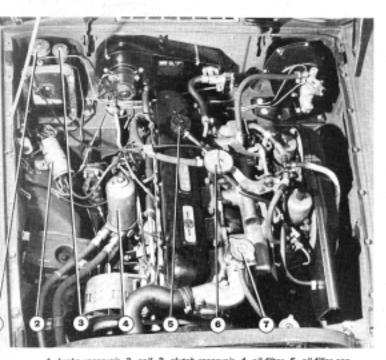
be possible. Nevertheless, it retains its ability to corner hard with a fair amount of roll and a good deal of tyre squeal—and adhesion in the wet was excellent.

When used for a hard stop from high speed, the servo-assisted brakes claw the car down in a very satisfactory way, but for town use they feel just a little over-sensitive and not quite so progressive. A small increase in pedal pressure was observed during our fade test, and there was a good deal of smoke at one stage suggesting that a shortening of the time between stops or an increase in the deceleration used might lead to quite rapid fade. They were little affected by the watersplash, however, and the handbrake gave a good 0.37g stop.

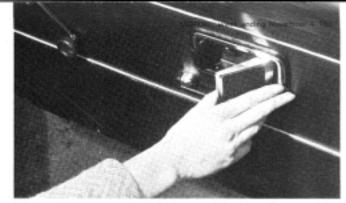
Comfort and controls

On normal British roads the ride of the new car is firm, well-damped and a little better than that of the MGB—certainly it is quite good for a sports car of this kind. On the cobbled streets of French towns a good deal of vibration is transmitted to the interior which sometimes builds up to a singing resonance.

Some people found the seats comfortable on long journeys, but others complained of poor spinal support causing backache. Everyone agreed about the lack of lateral support, especially at the shoulders. Much more fore-and-aft adjustment is available than in the MGB (in fact leg room is tremendous) but the limited amount of rake adjustment is still effected by two bolts at the base of the backrest; these are joined by a slotted link (which also needs a spanner for adjustment) to prevent the backrest from tilting forward in a crash. Because it is so big the steering wheel tends to foul your knees or thighs, especially of the left leg when the foot is drawn back to accommodate the long travel of the clutch. Other major controls, such as the gearlever and pedals, are well-located. Some drivers found them awkwardly placed for easy "heel and



brake reservoir. 2, coil. 3, clutch reservoir. 4, oil filter. 5, oil filter cap.
 cranicose breather valve. 7, coolant filter cap.



Window winders are made of yielding material, and neatly recessed door locks are a new feature. The plastic tongue at the front of the recess locks the door.

toe" control. Of the minor controls (nearly all of which protrude lethally) only the indicator stalk and horn button are within fingertip reach, the overdrive switch, lights switch, and wiper and washer controls being on the facia but not too far away from the driver's hands. The floor dipswitch requires an even longer backward movement of the left leg than does the clutch, though it is easier to work than the B's.

With the thin-pillared optional plastic hardtop, all-round visibility is good, and it is possible to see the back of the boot when parking, although the mirror is rather small. The headlights gave an exceptionally powerful and well-aimed blaze of light both when dipped and when on main beam.

During wet weather the car is liable to steam up, and although the rather noisy fan cleared the windscreen fairly quickly we would have welcomed separate fresh air vents to increase the flow through the car; it is not possible to leave the windows open for very long when it is raining without getting wet. None of our test staff like the old-fashioned rotary heater controls which are troublesome to set by feel in the dark. Using them in conjunction with the flaps in the transmission tunnel it is difficult to maintain a constant and comfortable temperature, especially if the car's speed is constantly changing.

In the indirect gears the gearbox emitted a powerful whine which combined with the noise produced by the engine fan to drown out the exhaust note. Wind noise was moderate up to 80 m.p.h. in our hardtop with all the windows properly shut and would have been lower with better sealing. Road noise on some surfaces, however, was considerable, perhaps because of the difficulty of insulating the inboard ends of the front torsion bars.

Fittings and furniture

The traditional set of MG instruments includes a large, clear speedometer and a matching rev-counter which was up to 600 r.p.m. fast on our test car, as well as a combined oil press and water temperature gauge, and a fuel gauge. There is an ashtray on the transmission hump, a lockable glove compartment and a rigid pocket by the front passenger's legs for oddments. A carpeted platform behind the seats—which can be fitted with an optional cushion—provides space for two small children or quite a lot of small luggage. The boot would accept 3.3 cu.ft. of our test boxes around and above the spare wheel. The hardtop is clamped on in six places, four of which need either a spanner or a screwdriver to release.

Servicing and accessibility

The rather heavy bonnet is released by a pull knob awkwardly located on the passenger's side. The big six-cylinder engine fits neatly into the MG compartment and all the most important service points such as the oil filler cap, radiator filler cap, dipstick, carburetters brake and clutch reservoirs, coil, distributor and oil filter are easy to get at. Servicing is needed every 3,000 miles and the requirements are similar to those of the MGB. The pillar type jack was easy to use.

Insurance