



**SERIES MGA
(Twin Cam)**

**SCHEDULE OF REPAIR
TIMES**

CONFIDENTIAL

For Trade Guidance Only

M.G. SERIES MGA (Twin Cam)

SCHEDULE OF REPAIR TIMES

This Schedule is issued as a guide to MAXIMUM time allowances under conditions of normal wear and tear and is based on the times required by the average mechanic using recommended service tools where necessary.

On an isolated operation it is permissible to make a minimum charge for 30 minutes' work even if the scheduled time allowance be less than 30 minutes.

Increased time may be allowed:

When difficulties arise due to rust, seizure of parts, or the need for excessive cleaning down.

When an abnormal condition of the vehicle (damaged in accident, etc.) necessitates extra work.

When extra time is required for additional road-testing at speed outside a restricted or congested area.

The Company reserves the right to make alterations to this Schedule without notice should it be deemed necessary consequent upon design or other alterations.

**M.G. CAR COMPANY LIMITED
ABINGDON-ON-THAMES, ENGLAND**

**NUFFIELD EXPORTS LIMITED
COWLEY, OXFORD, ENGLAND**

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<i>Operation Number</i>	<i>Description of Operation</i>	<i>Time Hrs. Min.</i>
ENGINE		
E.1	Engine and gearbox, complete power unit, remove and refit	15 15
E.2	Engine and gearbox, remove from frame, fit replacement power unit, change over all ancillary equipment, including cleaning and adjusting carburetters, distributor, and air cleaners	16 45
E.3	Air cleaners, remove, clean, and refit, pair	— 30
E.4	Camshafts, remove and fit new, each	— 45
E.5	Carburetters, adjust mixture and synchronize	— 45
E.6	Carburetters, remove and refit	1 35
E.7	Carburetters, remove, dismantle, clean, fit new jet washers, reassemble, refit, and adjust	3 35
E.8	Connecting rod bearings, remove and refit, one pair	1 15
E.9	Connecting rod bearings, extra per pair	— 15
E.10	Crankshaft and half-speed shaft gears, remove and refit or fit new	4 10
E.11	Crankshaft, flywheel, and clutch assembly, fit new, including removing power unit	22 40
E.12	Crankshaft pulley, fit new	1 20
E.13	Cylinder drain tap, fit new	— 20
E.14	Cylinder head, remove and refit	3 55
E.15	Cylinder head, remove and refit, changing one valve	4 10
E.16	Extra per valve	— 15
E.17	Extra per valve guide	— 10
E.18	Cylinder head nuts, tighten	— 15
E.19	Cylinder side plates, fit new gasket, one only	2 15

Operation Number	Description of Operation	Time	
		Hrs.	Min.
ENGINE			
E.20	Cylinder side plates, fit new gaskets, both	2	25
E.21	Decarbonize, grind in valves, and tune	8	30
E.22	Engine gearbox mounting rubber, rear, remove and fit new	3	30
E.23	Engine mounting rubbers, front, remove and fit new ..	1	45
E.24	Exhaust flange gaskets, remove and fit new, two	—	45
E.25	Exhaust pipe and silencer assembly, remove and fit new..	1	10
E.26	Fan belt, adjust	—	15
E.27	Fan belt, fit new	—	20
E.28	Fan blades, fit new	—	30
E.29	Manifolds, exhaust and induction, remove, fit new gasket, and refit	2	15
E.30	Manifold induction, remove, fit new gasket, and refit ..	2	5
E.31	Oil filter or element, remove and fit new	—	30
E.32	Oil gauge pipe assembly, remove and fit new	—	30
E.33	Oil pressure relief valve, remove, clean, and refit ..	—	30
E.34	Oil pump, remove, dismantle, clean, and refit	1	40
E.35	Petrol pipe, between carburetters, remove and fit new ..	—	10
E.36	Petrol pipe, dash to carburetters, remove and fit new ..	—	10
E.37	Petrol pipe, pump to dash, remove and fit new	1	15
E.38	Petrol pipe, tank to pump, remove and fit new	—	15
E.39	Petrol pump, remove and fit new	—	45
E.40	Petrol tank filler neck extension, remove and refit ..	—	10

Operation Number	Description of Operation	Time	
		Hrs.	Min.
ENGINE			
E.41	Piston assemblies, remove and fit new set, including removal of cylinder head and sump, measuring cylinder bores, checking connecting rod alignment, and re-assembling	7	50
E.42	Radiator, remove and fit new	1	—
E.43	Radiator bottom hose, remove and fit new	1	5
E.44	Radiator header tank, remove and refit	—	30
E.45	Radiator top hose, remove and fit new	—	15
E.46	Sump, remove, clean oil pump strainer, and refit	1	25
E.47	Tappet covers, fit new gasket, each	—	20
E.48	Tappets, adjust	2	35
E.49	Tappets, remove and fit new, set	4	5
E.50	Thermostat, remove and fit new	—	15
E.51	Thermostat housing, remove and fit new	—	30
E.52	Throttle control cable, remove and fit new	—	20
E.53	Timing chain, fit new	4	25
E.54	Timing gear cover, remove, fit new gasket, and refit ..	3	55
E.55	Tune engine, including adjusting tappets, cleaning and adjusting sparking plugs, distributor points, and carburetters, cleaning petrol pump filter and air cleaners, and adjusting ignition timing	5	40
E.56	Water pump, remove and fit new	2	10
E.57	Water pump, remove, overhaul, and refit	2	55

Operation Number	Description of Operation	Time	
		Hrs.	Min.
GEARBOX			
G.1	Gearbox assembly, remove and refit	7	30
G.2	Gearbox assembly, remove, completely dismantle, fit new parts as necessary, reassemble, and refit	12	30
G.3	Gearbox front cover, remove and fit new gasket	7	45
G.4	Gearbox lever control mechanism, remove, overhaul, and refit	4	15
G.5	Gearbox rear extension, remove, fit new gasket or oil seal, and reassemble	4	30
G.6	Gearbox rear extension cover, fit new oil seal	1	30
CLUTCH			
C.1	Clutch-driven plate, remove and refit	8	—
C.2	Clutch master cylinder, remove, dismantle, fit new parts as necessary, reassemble, refit, and bleed	1	45
C.3	Clutch release bearing, dismantle, fit new, and reassemble	7	45
C.4	Clutch slave cylinder, remove, dismantle, fit new parts as necessary, refit, and bleed	—	45
C.5	Clutch and brake pedals, dismantle, fit new bushes, and reassemble	1	—
PROPELLER SHAFT			
P.1	Propeller shaft, remove and refit	—	30
P.2	Propeller shaft front or rear end, dismantle, fit new universal joint, and refit, each	1	15
P.3	Propeller shaft front and rear ends, dismantle and fit new universal joints, pair	2	—

Operation Number	Description of Operation	Time	
		Hrs.	Min.
REAR AXLE			
RA.1	Axle complete, remove and refit, including bleeding and adjusting brakes	4	—
RA.2	Axle half-shaft, remove and refit or fit new	—	15
RA.3	Axle half-shaft, joint washer, fit new	—	20
RA.4	Gear carrier assembly, remove and refit	1	30
RA.5	Gear carrier assembly, remove, dismantle, fit new parts as necessary, reassemble, adjust, and refit	7	30
RA.6	Hub bearings, remove and fit new, each	1	—
RA.7	Hub oil seal, remove and fit new	1	15
RA.8	Pinion oil seal, remove and fit new	1	—
STEERING GEAR AND SUSPENSION			
SS.1	Coil spring, front, remove and refit or fit new, each ..	1	30
SS.2	Front hub, remove, dismantle, fit new bearings, and refit, one side only	1	15
SS.3	Front hub, remove, fit new oil seal, and refit, one side only	1	—
SS.4	Road springs, rear, remove and refit or fit new, each ..	—	45
SS.5	Road springs, rear, remove, dismantle, clean, reassemble, and refit, each	1	15
SS.6	Shock absorber, front, remove, and refit or fit new, each	1	—
SS.7	Shock absorbers, rear, remove, and refit or fit new, each	—	30
SS.8	Steering ball sockets and joints, remove and fit new, one side	—	45
SS.9	Steering ball sockets and joints, remove and fit new, both sides	1	15
SS.10	Steering column, adjustable, fit new	1	30

Operation Number	Description of Operation	Time	
		Hrs.	Min.
STEERING GEAR AND SUSPENSION			
SS.11	Steering column assembly complete, remove, dismantle, overhaul universal joints, reassemble, line up, and refit	2	30
SS.12	Steering column felt bushes, dismantle and fit new ..	—	50
SS.13	Steering column, lower half, remove and refit	—	30
SS.14	Steering column, top half, remove and refit	—	45
SS.15	Steering column universal joint, remove and fit new ..	—	30
SS.16	Steering column universal joint, remove, dismantle, overhaul, and refit	1	30
SS.17	Steering rack and pinion assembly, remove, dismantle, fit new parts as necessary, reassemble, and refit	4	—
SS.18	Steering wheel, remove and refit	—	15
SS.19	Suspension arm assembly, upper, remove and refit or fit new	1	15
SS.20	Suspension arm, lower, remove, fit new parts as necessary, and refit	2	—
SS.21	Suspension unit complete, remove, dismantle, fit new parts as required, reassemble, and refit, one side only ..	2	45
SS.22	Swivel pin, remove and fit new	2	—
SS.23	Swivel pin link, lower, remove and fit new	1	30
SS.24	Swivel pin link, upper, remove and fit new	1	—
SS.25	Tie-rod, remove and fit new, change track-rod ends if necessary, each	—	45
SS.26	Track up wheels	—	20
B R A K E S			
B.1	Brakes, adjust hand brake	—	10
B.2	Brakes, bleed, set	—	30

Operation Number	Description of Operation	Time	
		Hrs.	Min.
B R A K E S			
B.3	Brakes, dismantle and completely overhaul, excluding master cylinder, fit new brake blocks and new parts as necessary, reassemble, and refit	4	—
B.4	Brakes, fit new brake blocks, front only, complete operation	1	30
B.5	Brakes, fit new brake blocks, rear only, complete operation	1	30
B.6	Brake and clutch pedals, dismantle, fit new bushes, and reassemble	1	—
B.7	Discs, remove and fit new, each	1	10
B.8	Discs, remove and fit new, set	4	30
B.9	Hand brake cable assembly, remove and fit new	1	—
B.10	Hand brake lever pawl and ratchet, remove, fit new, and adjust	1	—
B.11	Hose, remove, fit new, including bleeding brakes, each ..	—	40
B.12	Hoses, remove, fit new, including bleeding brakes, set ..	1	15
B.13	Master cylinder, brake, remove, dismantle, fit new parts as necessary, reassemble, refit, and bleed	2	—
B.14	Wheel caliper, remove, dismantle, fit new parts as necessary, bleed brakes, each	1	15
E L E C T R I C A L			
EE.1	Auxiliary fusebox, remove and fit new	—	15
EE.2	Batteries, remove and refit or fit new	—	45
EE.3	Batteries, check specific gravity, clean terminals, and top up	—	20
EE.4	Battery fixing bolts, remove and fit new pair	—	20
EE.5	Battery fixing strap, remove and fit new	—	15
EE.6	Coil, remove and fit new	—	20

Operation Number	Description of Operation	Time	
		Hrs.	Min.
ELECTRICAL			
EE.7	Control unit, voltage, remove and fit new	—	30
EE.8	Dip switch, remove and fit new	—	20
EE.9	Distributor, fit new contact breaker points and adjust ..	—	40
EE.10	Distributor, fit new H.T. leads	—	30
EE.11	Distributor unit, remove, retime, and refit	—	40
EE.12	Distributor unit, remove, dismantle, clean, fit new parts as required, refit, and retime	1	40
EE.13	Dynamo, remove and refit or fit new	1	30
EE.14	Dynamo, remove, dismantle, clean, check, and refit ..	2	15
EE.15	Dynamo connections, clean and tighten	—	15
EE.16	Flasher indicator unit, remove and refit or fit new bulb ..	—	5
EE.17	Flasher relay box, remove and refit, or fit new	—	20
EE.18	Flasher switch, remove and refit or fit new	—	20
EE.19	Flasher unit, remove and refit or fit new	—	15
EE.20	Fog lamp, fit new and wire up	1	—
EE.21	Fog lamp switch, remove and fit new	—	15
EE.22	Fresh air ventilator kit, fit and wire up	3	15
EE.23	Headlamp assembly, remove, fit new, and focus, each ..	1	—
EE.24	Headlamp bulb, fit new	—	10
EE.25	Headlamps, refocus, pair	—	30
EE.26	Headlamp glass assembly, remove and fit new	—	30
EE.27	Headlamp warning light bulb, fit new	—	5
EE.28	Heater, complete assembly, fit and wire up	5	30

Operation Number	Description of Operation	Time	
		Hrs.	Min.
ELECTRICAL			
EE.29	Heater motor and fan, remove and refit or fit new ..	—	45
EE.30	Horn, remove and refit	—	30
EE.31	Horn, fit additional and wire up	—	20
EE.32	Horn button, remove and refit or fit new	—	20
EE.33	Ignition switch, remove and refit or fit new	—	30
EE.34	Ignition warning light bulb, fit new	—	5
EE.35	Lighting switch, remove and refit or fit new	—	15
EE.36	Map lamp, remove and fit new	—	10
EE.37	Map lamp bulb, fit new	—	5
EE.38	Panel light bulbs, fit new, each	—	5
EE.39	Panel light switch, remove and refit or fit new	—	10
EE.40	Rear number-plate lamp, remove and refit or fit new ..	—	15
EE.41	Rear number-plate lamp bulb, fit new	—	5
EE.42	Sidelamp, remove and refit or fit new	—	20
EE.43	Sidelamp bulb, fit new	—	5
EE.44	Sidelamp glass, fit new	—	5
EE.45	Sparking plugs, remove, clean, adjust, and refit, set ..	—	30
EE.46	Starter control cable, remove and fit new	—	15
EE.47	Starter motor, remove and refit or fit new	1	—
EE.48	Starter motor, remove, dismantle, clean, test, and refit ..	1	45
EE.49	Starter switch, remove and fit new	—	15
EE.50	Stop lamp switch, remove, fit new, and bleed brakes ..	—	45

Operation Number	Description of Operation	Time	
		Hrs.	Min.
ELECTRICAL			
EE.51	Tail lamp, remove and refit or fit new, each	—	30
EE.52	Tail lamp bulb, remove and fit new, each	—	5
EE.53	Tail lamp glass, remove and fit new, each	—	5
EE.54	Windshield washer, fit new and connect up	1	—
EE.55	Windshield wiper blade, remove and fit new, each ..	—	5
EE.56	Windshield wiper motor and/or cable, remove and fit new	—	45
EE.57	Windshield wiper switch, remove and fit new	—	10
EE.58	Windshield wiper wheelbox assembly, remove, overhaul, or fit new, refit and adjust	2	—
INSTRUMENTS			
I.1	Mixture control, remove and fit new	—	30
I.2	Oil pressure gauge, remove and fit new	—	30
I.3	Petrol gauge dash unit, remove and fit new	—	20
I.4	Petrol gauge tank unit, remove and fit new	—	30
I.5	Revolution counter cable, remove and fit new	—	30
I.6	Revolution counter head, remove and fit new	—	15
I.7	Speedometer cable, remove and fit new	—	30
I.8	Speedometer head, remove and fit new	—	15
I.9	Temperature gauge, remove and fit new	1	—
I.10	Wiring, disconnect and remove all wiring, fit new harness complete, reassemble, and test	14	30
BODY			
BD.1	Body, disconnect fittings, accessories, and wiring as necessary, disconnect and remove body, refit, and connect up	13	30

Operation Number	Description of Operation	Time	
		Hrs.	Min.
BODY			
BD.2	Bonnet, remove, refit, and adjust	—	20
BD.3	Bonnet hinge, remove and fit new, each	—	45
BD.4	Bonnet lock, remove, fit new, and adjust	1	—
BD.5	Bonnet prop, remove and fit new	—	10
BD.6	Bonnet prop spring catch, remove and fit new	—	15
BD.7	Boot lid, remove, refit, and adjust	—	20
BD.8	Boot lid hinge, remove, refit or fit new, and adjust, each ..	—	45
BD.9	Boot lid lock, remove and fit new	—	10
BD.10	Boot lid lock catch, remove and fit new	—	5
BD.11	Boot lid medallion, remove and fit new	—	15
BD.12	Boot lid prop, remove and fit new	—	10
BD.13	Boot lid prop spring catch, remove and fit new	—	15
BD.14	Boot sealing rubber, fit new	—	45
BD.15	Bumper bar, front, remove and refit or fit new sections as necessary	—	45
BD.16	Bumper bar over-rider, fit new, each	—	15
BD.17	Bumper bar, rear, remove and refit or fit new	—	15
BD.18	Door, remove and refit or fit new, each	—	45
BD.19	Door catch cable, remove and fit new, each	—	15
BD.20	Door hinge, top or bottom, remove and fit new, each door	1	30
BD.21	Door hinges, top and bottom, remove and refit or fit new pair, each door	2	15
BD.22	Door lock, remove and fit new	—	45
BD.23	Door sealing rubber, remove and fit new, each	—	30

Operation Number	Description of Operation	Time	
		Hrs.	Min.
BODY			
BD.24	Door striker pin, remove and fit new, each	—	15
BD.25	Door top rail, remove and fit new, each	—	20
BD.26	Door trim panel, remove and refit or fit new, each ..	—	15
BD.27	Door pocket panel, remove and refit or fit new, each ..	—	45
BD.28	Front splasher, remove and refit, including removing bumper	1	—
BD.29	Hood, remove and fit new	1	—
BD.30	Instrument panel, remove and fit new	4	45
BD.31	Petrol tank, remove and refit or fit new	—	45
BD.32	Radiator, remove and refit or fit new	1	—
BD.33	Radiator grille, remove and refit or fit new	—	45
BD.34	Seat, remove and refit, each	—	15
BD.35	Windshield, remove and refit or fit new	1	15
BD.36	Windshield assembly, remove, reglaze, and refit	3	15
BD.37	Wing, front, remove and refit or fit new, including removing, refitting, and focusing headlamp, each ..	3	30
BD.38	Wing, rear, remove and refit or fit new, including removing and refitting tail lamp assembly, each	1	45
BODY — COUPÉ			
BDC.1	Back-light glass and/or side glasses, remove and refit or fit new	4	—
BDC.2	Body, disconnect fittings, accessories, and wiring as necessary, disconnect and remove body, refit, and connect up	10	30
BDC.3	Bonnet, remove, refit, and adjust	—	20
BDC.4	Bonnet hinge, remove and fit new, each	—	45

Operation Number	Description of Operation	Time	
		Hrs.	Min.
BODY — COUPÉ			
BDC.5	Bonnet lock, remove, fit new, and adjust	1	—
BDC.6	Bonnet prop, remove and fit new	—	10
BDC.7	Bonnet prop spring catch, remove and fit new	—	15
BDC.8	Boot lid, remove, refit, and adjust	—	20
BDC.9	Boot lid hinge, remove, refit or fit new, and adjust, each ..	—	45
BDC.10	Boot lid lock, remove and fit new	—	15
BDC.11	Boot lid lock catch, remove and fit new	—	5
BDC.12	Boot lid medallion, remove and fit new	—	15
BDC.13	Boot lid prop, remove and fit new	—	10
BDC.14	Boot lid prop spring catch, remove and fit new	—	15
BDC.15	Boot sealing rubber, fit new	—	45
BDC.16	Bumper bar, front, remove and refit or fit new sections as necessary	—	45
BDC.17	Bumper bar over-rider, fit new, each	—	15
BDC.18	Bumper bar, rear, remove and refit or fit new	—	15
BDC.19	Door, remove and refit, or fit new, each	—	45
BDC.20	Door capping, remove and refit or fit new	—	10
BDC.21	Door glass, remove and refit or fit new	2	30
BDC.22	Door handle, remove and refit or fit new	—	45
BDC.23	Door hinge, top or bottom, remove and fit new, each door	1	45
BDC.24	Door hinges, top and bottom, remove and refit or fit new pair, each door	2	—
BDC.25	Door lock, remove and fit new	1	15
BDC.26	Door lock, private, remove and refit or fit new	—	45

Operation Number	Description of Operation	Time	
		Hrs.	Min.
B O D Y — C O U P É			
BDC.27	Door opening dripway, inner, remove and refit or fit new	—	45
BDC.28	Door opening dripway, outer, remove and refit or fit new	—	30
BDC.29	Door pocket panel, remove and refit or fit new, each ..	—	45
BDC.30	Door-pull, remove and refit or fit new	—	30
BDC.31	Door sealing rubber, remove and fit new, each	—	30
BDC.32	Door striker pin, remove and fit new, each	—	15
BDC.33	Door trim panel, remove and refit or fit new, each ..	—	15
BDC.34	Door waist capping, remove and refit or fit new	—	30
BDC.35	Door waist rail finisher, remove and refit or fit new ..	—	10
BDC.36	Door window winder, remove and refit or fit new ..	2	15
BDC.37	Front splasher, remove and refit, including removing bumper	1	—
BDC.38	Head-lining, removing and fit new	7	30
BDC.39	Instrument panel, remove and fit new	4	45
BDC.40	Petrol tank, remove and refit or fit new	—	45
BDC.41	Radiator, remove and refit or fit new	1	—
BDC.42	Radiator grille, remove and refit or fit new	—	45
BDC.43	Seat, remove and refit, each	—	15
BDC.44	Ventilator window, remove and refit or fit new	1	—
BDC.45	Windshield glass, remove and refit or fit new and water-test	4	—
BDC.46	Wing, front, remove and refit or fit new, including removing, refitting, and focusing headlamp, each ..	3	30
BDC.47	Wing, rear, remove and refit or fit new, including removing and refitting tail lamp assembly, each	1	45