

EX. 187 (92812)

DESCRIPTION OF EXPERIMENT

TWIN Overhead Camshaft Version of
M.G.A. with Disc Brakes.

EXPERIMENT
NUMBER

EX. 187 Sheet 1

NUMBER	DATE	NAME OF PART	REMARKS	PART NO.
1.	2.6.55.	Arrangement of 4½" J x 15" Centre - Lock Type Disc Wheel (Dunlop	WDM/1084)	
2.	5.7.55.	Main Member - Front Extension - R.H.		
3.	5.7.55.	Main Member - Front Extension - L.H.		
4.	5.7.55.	Bracket Steering Rack - R.H.		
5.	5.7.55.	Bracket Steering Rack - L.H.		
6	12.7.55.	Pinion - Steering - RHD.		
7	12.7.55.	Pinion - Steering - L.H.D.		
8		Mounting Bracket Caliper Disc Brake.		
9		Mounting Bracket Caliper Disc Brake.		
10		Mounting Bracket Caliper Disc Brake.		
11		Mounting Bracket Caliper Disc Brake.		
12	8.8.55.	Brake Pedal		
13	8.8.55	Clutch Pedal		
14	8.8.55.	Master Cylinder Box.		
15	8.8.55.	Support Bracket R.H. - Master Cyl. Box.		
16	8.8.55	Support Bracket L.H. - Master Cyl. Box.		
17	8.8.55.	Base Plate - Master Cyl. Box.		
18	8.8.55.	Distance Piece - Pedals		
19	8.8.55.	Brake Fluid Reservoir.		
20	8.8.55.	Drain Plug Fluid Reservoir.		
21	8.8.55.	Front Road Spring.		
22	8.8.55.	Road Springs (Sheet.)		
23	8.8.55.	Front Road Spring (See 187/22)		
24	24.8.55.	4½ J x 15 Centre Lock Disc Wheel		
25	8.9.55.	Handbrake Cable		
26	16.9.55.	Water Riser & Thermostat Housing (See also SK.7094.Z.) (Superseded by 187/70)		
27	16.9.55.	Assy. Filler Neck & Flange.		
28.	16.9.55.	Flange for Filler Neck.		
29	16.9.55.	Gasket for Filler Neck.		
30	22.9.55.	Hose Adaptor for Water Riser. Cancelled see EX187/36.		

DESCRIPTION OF EXPERIMENT		Twin Overhead Camshaft Version of MGA with Disc Brakes.		EXPERIMENT NUMBER	EX.187 Sheet 2
NUMBER	DATE	NAME OF PART	REMARKS	PART NO.	
31	22.9.55.	Gasket for Hose Adaptor	Cancelled - Use LA.2149		
32.	26.9.55.	4½ J x 15" Centre Lock Wheel (Disc - Steel)			
33	29.9.55.	Scheme for Radiator Installation.			
34	12.10.55.	Bonnet Panel			
35	18.10.55.	Joint - Hose Adaptor.			
36	18.10.55.	Hose Adaptor.			
37	24.10.55.	Rack Pinion and Tie Rods. Assy. R.H.Drive.			
38	4.11.55.	Rack Pinion and Tie Rods Assy. L.H.Drive.			
39	7.11.55.	Grille - Ventflator - Air Duct - Bonnet Surround.			
40	7.11.55.	Panel - Radiator Duct.			
41	16.11.55.	Pedal Clutch			
42	16.11.55.	Pedal - Brake.			
43	16.11.55.	Stiffener - Master Cyl. Box.			
44	29.11.55.	Fan Guard and Radiator Air Seal (1st Prototype only)	Cancelled See EX.187/52		
45	30.11.55.	Proposed Heater Installation			
46	12.12.55.	Proposed Car Heater.			
47	14.12.55.	Proposed Position of Carburettors			
48	14.12.55.	Engine Mounting - Front - 50 Shore Harness R.H.			
49	14.12.55.	Engine Mounting - Front - 50 Shore Harness L.H.			
50	14.12.55.	Engine Mounting - Front ¼" Offset; R.H.			
51	14.12.55.	Engine Mounting - Front ¼" Offset L.H.			
52	19.12.55.	Fan Guard and Rad. Air Seal Plate (1st Prototype only)			
53	19.12.55.	Rubber for Ditto			
54	2.1.56.	Radiator General Arrangement (N. Rads. X.795)			
55	2.1.56.	Scheme Showing Dipstick Requirements.			
56	2.1.56.	Scheme showing Depression for Air Cleaner.			
57	20.1.56.	Scheme showing Radiator Duct - Lower Panel			
58	24.1.56.	Control Bracket - Starter Switch Assembly			
59	24.1.56.	Carburettor Drip Tray - Rear.			
60	24.1.56.	Carburettor Drip Tray - Front.			

DESCRIPTION OF EXPERIMENT		TWIN OVERHEAD CAMSHAFT VERSION OF M G A WITH DISC BRAKES	EXPERIMENT NUMBER	EX 187	Sheet 3
NUMBER	DATE	NAME OF PART	REMARKS	PART NO.	
EX. 187/61	31 1 56	Air Cleaner - Front			
62	31 1 56	Air Cleaner - Rear			
63	6 2 56	Water Pump Connector Pipe			
64	8 2 56	Water Hose - Pump Connection			
65	8 2 56	Water Hose - Top			
66	27 2 56	Frame Assembly-Sheet 2			
67	1 3 56	Heater Outlet Elbow Complete			
68	7 6 56	Heater Valve Body			
69	7 6 56	4. $\frac{1}{2}$ x 15 Centre Lock Disc Wheel			
70	13 9 56	Water Riser & Thermostat Housing (Supercedes 187/26)			
71	22 11 56	Handbrake Cable Girling Disc Brakes (For Car with Dunlop Centre Lock Disc Wheels)			
72	8 1 57	Proposed Thermostat Housing and Header Tank			
73	25 1 57	Proposed Engine Cooling Outlet (Scheme)			
74	29 1 57	4J x 15 Centre Lock Disc Wheel			
75	4 2 57	Proposed Radiator Details for Production			
76	4 2 57	Front Engine Mounting LH			
77	4 2 57	Front Engine Mounting RH			
78	4 2 57	R H Bearer Plate - Engine Frt. Mounting			
79	26 2 57	Front Road Spring			
80	27 2 57	Steering Lever - 1 RH			
81	27 2 57	Steering Lever - 1 LH			
82	13 3 57	Support Bracket - RH			
83	13 3 57	Support Bracket - LH			
84	20 3 57	Bracket - Frame - Steering Rack RH			
85	20 3 57	Bracket - Frame - Strg. Rack LH			
86R	25 3 57	Scheme for Bonnet Panel			
87X	29 3 57	Scheme for Revised Heater position			
88	3 4 57	Fan Guard and Air Seal for Production			
89 Y	4 4 57	Holes in Bonnet Surround for "Twin Cam" Motif			
90 Y	4 4 57	Holes in Trunk Lid for "Twin Cam" Motif			
91 W	25 4 57	Revised Wheelarch Panel & Bonnet Pull Rod Guide Brkts.			

11/15 (93817)

DESCRIPTION OF EXPERIMENT

TWIN OVERHEAD CAMSHAFT VERSION OF
M.G.A. WITH DISC BRAKES.

EXPERIMENT
NUMBER

EX.187

Sheet 4.

NUMBER	DATE	NAME OF PART	REMARKS	PART NO.
EX187/92.	20.5.57	Proposed Mod. to Austin Drawing No. XE.2388 (Bolt insertion - Propshaft Flange).		
EX187/93.	22.5.57	Overlay to Axle Assy. Drawing No. ATB.7221.		
94.	24.5.57	Proposed Inlet Manifold.		
95.	14.6.57	Scheme for Air Cleaner. Solex Carbs.		
96.	19.6.57	Proposed Air Cleaner HD6. S.U. Carbs.		
97.	25.6.57	Revised Wheelarch - R.H.		
98	25.6.57	Bulkhead Panel.		
199	1.7.57	Cross Bar Frame Goal Post.	← Nos. From 99 - 198 Inclusive Not used.	
200		Cover Plate - Cross Bar.		
201		Spindle Bracket. Brake & Clutch		
202		Distance Washer Brake & Clutch Pedal.		
203.		Cover Plate - Fume Excluder.		
204		Fume Excluder Bellows Brake & Clutch		
205		Brake Pedal L.H.D.		
206		Clutch Pedal L.H.D.		
207		Brake Pedal R.H.D.		
208		Clutch Pedal R.H.D.		
209		Assy. Cross Shaft. Throttle L.H.D.		
210	1.7.57	Master Cylinder Box.		
211	1.7.57	Master Cylinder Box - Reinforcement.		
212.	1.7.57	Base Plate Assy.		
213.	1.7.57	Base Plate		
214.	1.7.57	Base Plate Support Bracket - L.H.		
215.	1.7.57	Base Plate Support Bracket - R.H.		
216	1.7.57	Distance Tube.		
217	1.7.57	Distance Tube Rod.		
218	3.7.57	Blanking Plate.		
219	3.7.57	Sealing Rubber.		
220.	18.7.57	Scheme for Radiator Block Support Bracket.		
221.	12.8.57	Inlet Pipe - Heater.		

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DESCRIPTION OF EXPERIMENT		EXPERIMENT NUMBER	EX. 187 Sheet 5.	
2 OHC VERSION OF M.G.A. WITH DISC BRAKES.				
NUMBER	DATE	NAME OF PART	REMARKS	PART NO.
EX. 187/222.	12.8.57	Bracket - Top Heater Pipe.		
223.	15.8.57	Handbrake Scheme (Disc Brake)		
224.	15.8.57	Handbrake Scheme (Disc Brake)		
225	19.9.57	Scheme showing Proposed Installation of DU.6. S.U. Carbs.		
226	1.10.57	Sketch showing additional lugs req'd on S.U. DU.6 Carb Body.		
227	1.11.57	Dual Exit Exhaust Manifold.		
228	14.11.57	Air Cleaner - Twin S.U. Hd.6.		
229	17.11.57	Bolt Front Brake Caliper (Caliper to Stub Axle)		
230	20.11.57	Front Hose Bracket Axle - L.H.		
231	20.11.57	Front Hose Bracket Axle - R.H.		
232	20.11.57	Exhaust Manifold.		
233	28.11.57	Revised Scheme for Exhaust Manifold (Refers to EX.187/227)		
234	29.11.57	Proposed Air Cleaner HD.6 S.U. Carb.		
235	6.12.57	Scheme for Exhaust System - Dual Exit.		
236	11.12.57	Scheme showing Foul in G/Box Cover.		
237	16.12.57	Mock-up Depression for Gearbox Tunnel.		
238	19.12.57	Scheme showing proposed Grease Nipple Positions - Steering Rack Housing.		
239	22.12.57	Mounting Bracket - Coil.		
240	30.12.57	Mounting Bracket - Fuel Pump (Lcs)		
241	30.12.57	Scheme for ditto.		
242	1.1.58	Front Engine Mounting Rubber - L.H.	} 50 Shore Hardness.	
243	1.1.58	Front Engine Mounting Rubber - R.H.		
244	1.1.58	Front Engine Mounting Rubber - L.H.	} 60 Shore Hardness.	
244	1.1.58	Front Engine Mounting Rubber - R.H.		
245	13.1.58	Inlet Manifold - HD6.50. S.U. (Buffer Ended)		
246	14.1.58	Exhaust System (Twin Pipe)		
247	14.1.58	Starter Switch Bracket.		
248	17.1.58	Heater Pipe - Outlet.		
249	17.1.58	Pipe Clip.		
250	21.1.58	Proposed Scheme for Flexibly Mounting HD.6 Carbs.		
251	31.1.58	Proposed Carb Arrangement M.G.A. (Twin Cam.)		

DESCRIPTION OF EXPERIMENT

2 OHC VERSION OF M.G.A. WITH DISC BRAKES.

EXPERIMENT NUMBER

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Sheet. 6

NUMBER	DATE	NAME OF PART	REMARKS	PART NO.
EX.187/252.	4.2.58.	Engine Mounting - Rubber - L.H.		
253	4.2.58.	Engine Mounting - Rubber - R.H.		
254	7.2.58	Header Tank.		
255	12.2.58.	Abutment Bracket - Accelerator Cable.		
256	12.2.58.	Anchor Bracket - Accelerator Spring.		
257	12.2.58.	Abutment Bracket - Choke Cable.		
258	16.5.58.	Bracket - Oil Cooler Pipe.		
259	16.5.58.	Cup - Oil Cooler Pipes.		
260	21.5.58.	Access Plate - Front W/Arch - R.H.	(Oil Cooler Access)	
261	21.5.58.	Access Plate - Front W/Arch - L.H.		
262	26.6.58.	Flexible Flywheel (Solid Type)		
263	1.7.58.	Flywheel Flexible Plate.		
264	1.7.58.	Flywheel Flexible Plate Adaptor.		
265	1.7.58	Flywheel.		
266	1.7.58.	Flexible Flywheel (Flexible Plate Type)		
267	1.7.58.	Flywheel Bolt.		
268	3.7.58.	Crankcase Vent Pipe.		
269	3.7.58.	Crankcase Vent Pipe.		
270	7.7.58.	Modification to Front Suspension Crossmember,		
270/1.	15.7.58	Revised Scheme for above		
271	15.7.58.	Packing Piece 20 SWG. Nr. Side Engine Mounting.		
272	15.7.58	Packing Piece. 18 SWG.		
273	29.8.58.	Rebound Strap.		
274	8.9.58.	Radiator - Experimental.		
275	11.9.58.	Bracket - Remote Radiator Valve.		
276	11.9.58.	Rad. Relief Valve & Cage Assy.		
277	11.9.58.	Hose - Header Tank to Remote Valve.		
278	11.9.58.	Tube - Overflow.		
279	11.9.58.	Radiator Cap.		
280	17.9.58.	Proposed Radiator.		
281.	25.9.58.	Front Road Spring (110 lbs/inch at Wheel)		

DESCRIPTION OF EXPERIMENT

TWIN O.H. CAM VERSION OF M.G.A.

EXPERIMENT NUMBER

EX.187 Sht. 7.

NUMBER	DATE	NAME OF PART	REMARKS	PART NO.
EX.187/282	13.10.58.	Anti-Roll Bar (1/2" dia.) Material.		
283	13.10.58.	Anti-Roll Bar (9/16" dia.) Material.		
284	20.10.58	Induction Manifold - Weber 40DC03.		
285	1.12.58	Engine Installation 1/4 Scale.		
286	12.12.58.	Radiator Mounting Bracket (Chassis) - R.H.		
287	12.12.58.	Radiator Mounting Bracket (Chassis)- L.H.		
288	12.12.58.	Steering Column Support Bracket.		
289	15.1.59.	Carburetter Air Box - Front Half.		
290	15.1.59	Carburetter Air Box - Rear Half.		
291	15.1.59.	Abutment Bracket - Choke Cable.		
292	26.1.59.	Jacking Bracket Rear - R.H.		
293	26.1.59	Jacking Bracket Rear - L.H.		
294	26.1.59	Bracket Inner Jacking Tube Front.		
295	27.1.59	Bracket Outer Jacking Tube Front.		
296	27.1.59.	Stop Plate - Front - R.H.		
297	27.1.59.	Stop Plate - Front - L.H.		
298	27.1.59.	Stop Bracket Front.		
299	28.1.59	Quick Lift Jack.		
300	28.1.59.	Stop Plate Rear.		
301	21.5.59.	Piston - BC.16.GB.		
302.	25.5.59	25 Gal. Petrol Tank (Le-Man's Type)		
303.	25.5.59	Float Chamber Adaptor.		
304	25.5.59	Bolt - Float Chamber Adaptor.		
305	26.5.59	Fuel Pipe Connector.		
306	3.6.59	Mock Up Piston Crown ₁		
307	3.6.59	Tank Unit for Le-Man's 1959.		
308	5.6.59	Special Valve Guide (Hidurel 5) DTD.504.		
309	12.6.59	Proposed New Header Tank & Pipe to Head(Sketch.)		
310	26.6.59	Piston for 3.1/8" Bore - BC.16.GB.		
311	7.12.59	Outer Valve Spring.		
312	7.12.59	Inner Valve Spring.		

SEBRING 1959.

To prevent detonation.

13/15 (1975B)

DESCRIPTION OF EXPERIMENT

TWIN O.H. CAM VERSION OF M.G.A.

EXPERIMENT
NUMBER

EX.187

Sheet 8

NUMBER	DATE	NAME OF PART	REMARKS	PART NO.
EX187/313.	21.1.60	Bolt Propshaft (Sebring Cars).	(Not Used)	
314	29.3.60	Proposed Scheme for 7.1/2" Twin Plate Climax Clutch.	Refers to Hepworth & Grandage	Drwgs.
315	21.4.60	Piston. BC.16.GB.		
316	22.4.60	Piston 8.3 :1 C/R BC.16.GB.		
317	24.11.60	Sketch showing Depression in Wheelarch for Scintillamag.		
318	26.11.62.	Engine Instalation.		