

Not for Release before
1300 Hours, July 22, 1959.

SPECIFICATION OF THE NEW SUNBEAM ALPINE

GENERAL DATA.

Wheelbase	86.0 in.	2.184 m.
Front Track	51.0 in.	1.295 m.
Rear Track	48 $\frac{1}{2}$ in.	1.232 m.
Overall Length	155.25 in.	3.943 m.
Overall Width	60.5 in.	1.537 m.
Overall Height	51.5 in.	1.308 m.
Ground Clearance	5.125 in.	0.130 m.
Turning Circle	34 ft.	10.363 m.

WEIGHTS

Unladen		
(with petrol, oil and water)	2165 lb.	982. Kg.
(Dry)	2082 lb.	944 Kg.

ENGINE

Number of Cylinders	4	
Bore	3.11 in.	79.0 mm.
Stroke	3.00 in.	76.2 mm.
Cubic Capacity	91.2 cu. in.	1494 c.c.

ENGINE PERFORMANCE

Maximum b.h.p.	83.5	
Developed at (r.p.m.)	5,300 r.p.m.	
Compression ratio	9.2 : 1	
Maximum Torque	1074 lbs.in. (12.37 Kg/m)	at 3,400 - 3,800 r.p.m.

VALVES

Position	Overhead
Type	Poppet
Operation	Pushrod and Rocker
Springs	Dual

CRANKSHAFT

Number of Main Bearings	3
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PISTONS

'T' Slot LO-EX Alloy tin plated.

LUBRICATION SYSTEM

Type of System	Pressure with Full Flow Filter Eccentric lobe type pump.
Sump Capacity	8 pints 4.55 litres.

FUEL SYSTEM

Petrol Pump Type A.C. Mechanical
Carburettor Make Two Zenith 36 WIP2 downdraught
(twin air cleaners)

IGNITION SYSTEM

Type of System Coil and Distributor
Sparking plugs Champion N5 (14 mm.)

COOLING SYSTEM

Type of System Pump and Fan
Fan Drive 'V' Belt from Crankshaft

TRANSMISSION

CLUTCH

Borg and Beck, Single Dry Plate
Hydraulic connection to pedal.

GEARBOX

Number of Forward Speeds 4
Synchronesh On 2nd, 3rd and top gears.
Gear Change control Remote Control on floor.

GEAR RATIOS

Top	1.0 : 1
Third	1.392 : 1
Second	2.141 : 1
First	3.346 : 1
Reverse	4.239 : 1

PROPELLOR SHAFT

Hardy Spicer Open Shaft.

REAR AXLE

Type Semi Floating Hypoid.
Final Drive Ratio without overdrive 3.89 : 1
Final Drive Ratio with overdrive 4.22 : 1

OVERALL RATIOS

	<u>Standard</u>	<u>With O/Drive</u>
Overdrive	-	3.389 : 1
Top	3.89 : 1	4.22 : 1
Overdrive	-	4.717 : 1
Third	5.413 : 1	5.877 : 1
Second	8.324 : 1	9.038 : 1
First	13.013 : 1	14.128 : 1
Reverse	16.483 : 1	17.896 : 1

CHASSIS

FRONT SUSPENSION

Independent Coil Spring

Anti-roll Device

Torsion Bar.

REAR SUSPENSION

Semi-Elliptic Leaf Springs

SHOCK ABSORBERS - Front
- Rear

Armstrong Telescopic.
Armstrong lever arm.

STEERING

Make	Burman recirculating ball.
Steering Wheel: Type	Two Sprung spokes.
Diameter	16.50 in. 419 mm.
Turns Lock to Lock	3.

BRAKES

Make	Girling
Means of Operation: Foot	Hydraulic
Hand	Mechanical
Front Brakes	Disc. 9.5 in. (241 mm. diameter)
Rear Brakes	Drum, leading and trailing shoe.
	9 in. (229 mm.) diameter.
Total Brake Swept Area	295 sq.in. 1903 sq.cm.

WHEELS AND TYRES.

Road Wheels	Pressed Steel disc. (Centre - lock wire wheels - available as extra)
Tyres	5.60 x 13
Spare Wheel Location	Under Floor of Rear Locker.
Jack-Type	Screw.

PETROL TANK

Location	Rear of Chassis below luggage compartment.
Capacity	9 galls. 40.9 litres.

ELECTRICAL EQUIPMENT

Make	Lucas 12 volt.
Battery capacity	38 amp. hrs.
Battery location	Under R.H. Side occasional seat.

CONTROLS

Ignition Switch	Key on Facia Panel.
Pilot and head lamps	Switch on Facia Panel.
Starter	Turn ignition key to right.
Panel light	Switch on Facia Panel.
Screen Wipers	Switch on Facia Panel.
Choke	Knob on Facia Panel
Flashing Indicators	Lever on Steering Column.
Head lamp dipper	Foot operated.
Horn	Horn Ring on Steering Wheel.
Bonnet release	Handle below Facia.