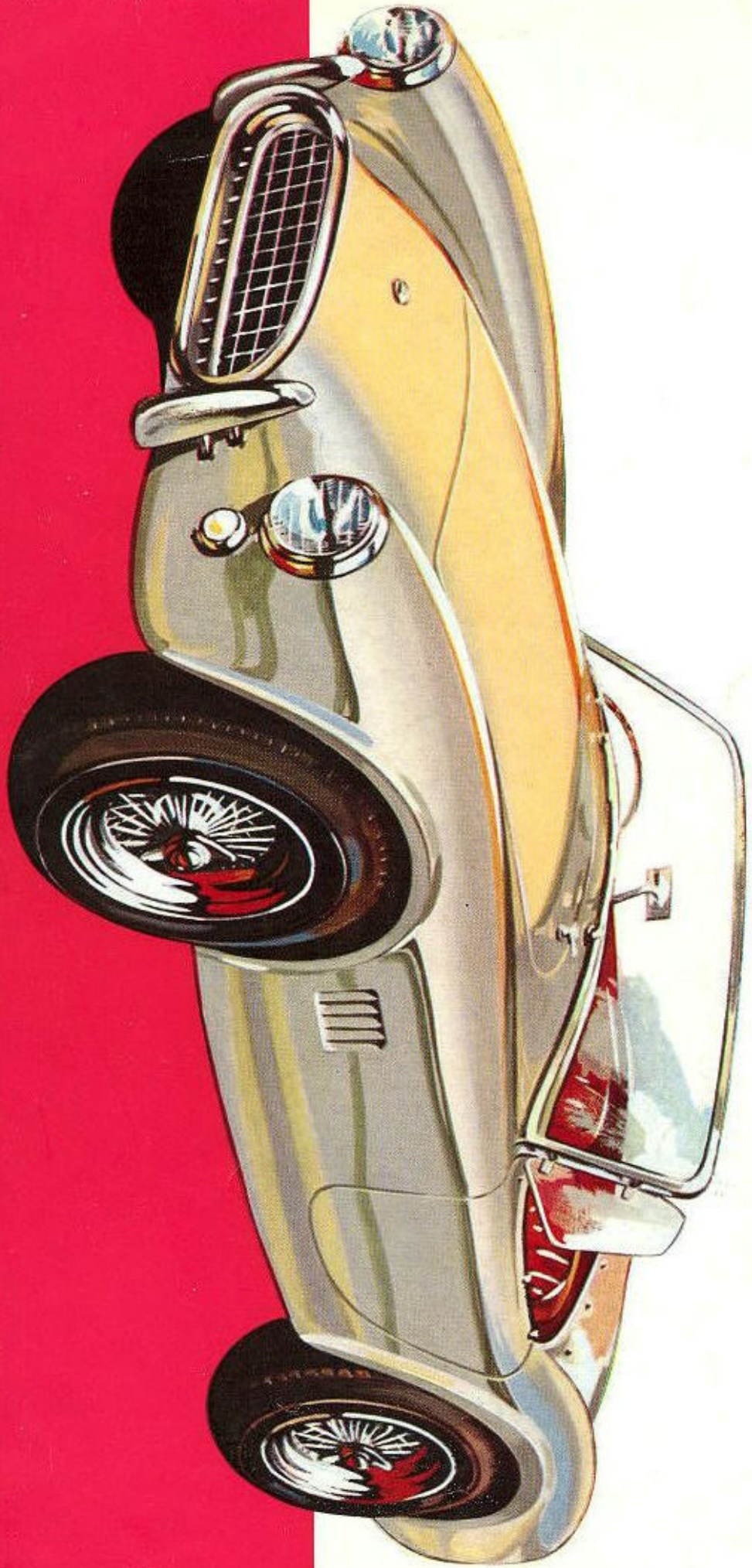




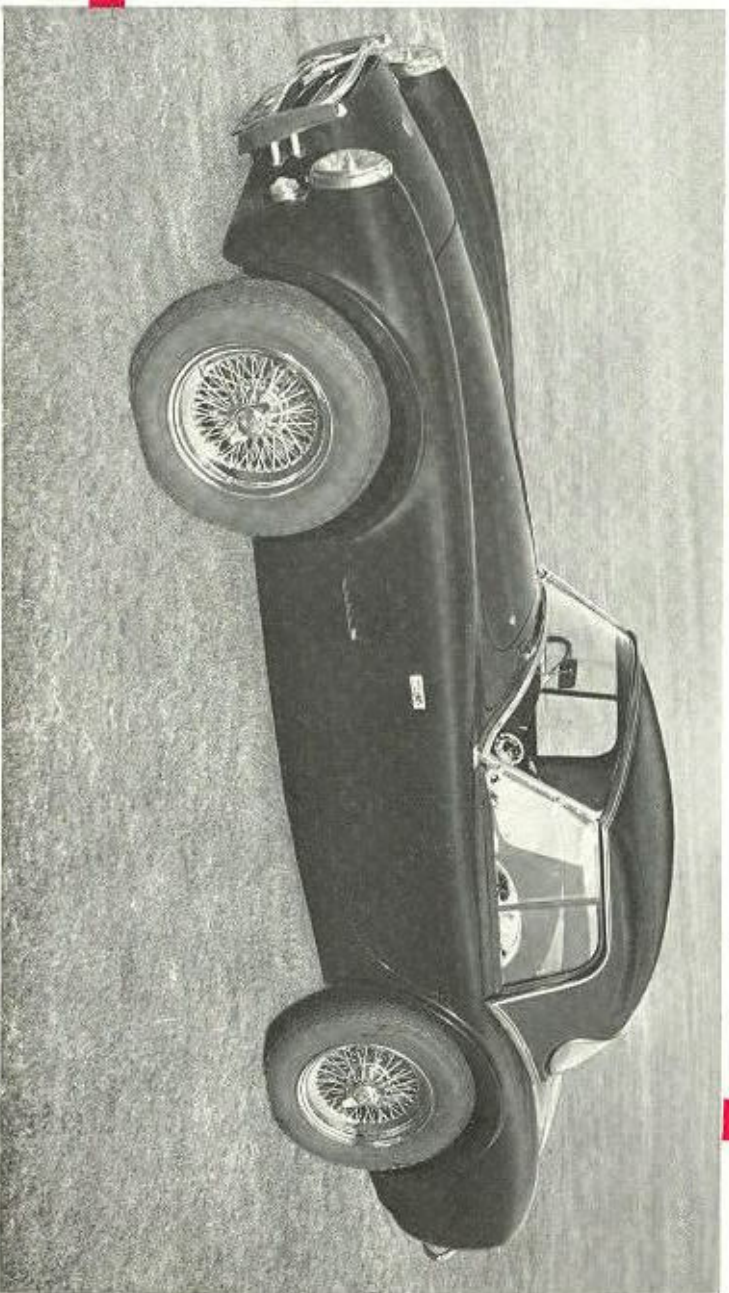
**COBRA**



## The COBRA Hard Top

The A.C. Cobra fitted with a Fibre Glass Hard Top, designed and manufactured by A.C. Cars.

A large plastic wrap round rear view light, provides excellent all round visibility.



**A.C. CARS LIMITED, THAMES DITTON, SURREY, ENGLAND**

Telegraphic Address: Autocarrier, Thames Ditton

Telephone: EMBarbrook 5621

## THE COBRA

A.C. Cars offer the Cobra, designed by them, to meet the requirements of Shelby American Inc. This provides a sports car, which combines the very best in British craftsmanship, with the latest American techniques in engine and gear box design. The Cobra was developed primarily as a road and touring car, and the outstanding success in Competition is a tribute to the soundness of construction.

Reliability of the oversquare 4.7 litre Ford V.8 engine which powers the Cobra has been adequately demonstrated under the most testing conditions which International Sports Car competition is able to provide; this has been proved beyond all doubt by the following list of successes.

### COMPETITIONS

Sports Car Championship of America, 1963, with outright wins too numerous to list during that year.  
 First British car to finish the Le Mans 24 hour race, 1963.  
 First in the G.T. Class Le Mans 24 hour race, 1964.  
 First, Second and Third G.T. Class, 1964, T.T. Race, Goodwood.

### OUTSTANDING FEATURES

A wide range of torque is available in the standard engine with the single 4-choke Holley carburettor give road speeds from 15 m.p.h. to 140 m.p.h. in Top gear, all this allowing most modest road speeds to be indulged in, or with the alternative of tremendous acceleration through the gears, up to 55 m.p.h. in 1st, 80 m.p.h. in 2nd, 110 m.p.h. in 3rd, and 140 m.p.h. in 4th.

The engine is remarkably compact, and is placed well back in the chassis permitting 52% of the total car weight on the rear wheels, this favourable weight distribution, plus independent suspension on all four wheels, contributes to the excellent road holding and superb high speed control for which the Cobra is renowned.

A 4-speed aluminium close ratio gear box designed by Borg-Warner, provides synchromesh on all forward speeds, the same gear box is fitted to the race Cobras, and is considered by all who drive the Cobra, one of the most advanced manual gear boxes available to-day.

Steering is by Rack and Pinion, and consistent braking from speeds up to 140 m.p.h. is assured by Girling disc brakes, on all four wheels, 12" diameter front, 10 1/2" diameter rear, completely self adjusting, including parking brake.

Full and complete weather equipment is standard with a soft vinyl top and firm sliding side windows. A zipped tonneau, heater, demisters, screen washers, passenger and driver controlled fresh air ducts, are all standard equipment.

The Cobra may be considered a worthy successor to the long line of classic thoroughbred sports cars, which have emerged from the A.C. Factory during the past 60 years, a brilliant Anglo-American blend of classic English styling, craftsmanship, comfort, and road manners, combined with one of the finest V.8 engines and gear boxes available in Europe or America.



### DIMENSIONS

Wheelbase, in.	90.0
Tread, f and r	51.5/52.5
Over-all length, in.	151.5
Width, in.	61.0
Height, in.	49.0
Equivalent vol., cu. ft.	262
Frontal area, sq. ft.	16.6
Ground clearance, in.	7.0
Turns, lock to lock	2.0
Turning circle, ft.	34.
Hip room, front seats, in.	2 x 16.5
Pedal to seat back, max.	40.0
Floor to ground, in.	10.5

### SPECIFICATIONS

Curb weight, lb.	2020
Test weight, lb.	2355
Distribution %	Front 48, Rear 52
Tyre size	640 x 15
Brake swept area	580 (est)
Engine type	V-8, ohv
Bore & Stroke	101.6 x 72.9
Displacement, cc	4727
cu. in.	289
Compression ratio	11 to 1
Bhp @ rpm	280 @ 5800
Equivalent mph	127
Torque, lb-ft	314 @ 3400
Equivalent mph	98

### CALCULATED DATA

Lb/hp (test wt)	9.6
Cu. ft./ton mile	175.2
Mph./1000 rpm (4th)	21.8
Engine revs./mile	2745

### GEAR RATIOS

4th	3.54
3rd	4.63
2nd	5.87
1st	7.78

## PERFORMANCE

Top speed (6500), mph	145
3rd (6500)	110
2nd (6500)	85
1st (6500)	65

## FUEL CONSUMPTION

Normal range, mpg 18 (approx.)

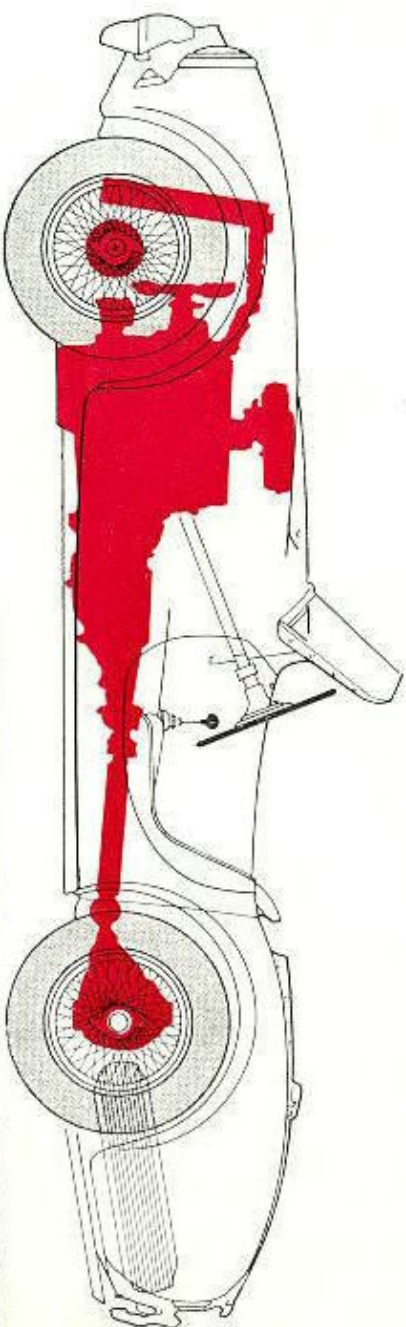
## ACCELERATION

0-30 mph, sec.	2.2
0-40	3.4
0-50	5.0
0-60	6.6
0-70	8.0
0-80	10.5
0-100	13.9
Standing $\frac{1}{4}$ mile	14.0
Speed at end, m.p.h.	101.0

## TAPLEY DATA

4th, lb./ton @ mph	off @ scale
3rd	off @ scale
2nd	off @ scale
Total drag at 60 mph, lb.	115

Driver comfort is always a major consideration in design. Snug fitting bucket seats earn immediate approval. All trim genuine leather. Very full and clear instrumentation is provided. Wood rim steering wheel standard.



The ideal achieved, all weight-engine and driver well within the wheel base.

The Cobra is the tastiest standard production car ever produced by A.C. Cars, and an immediate recognition feature is that of the grille bar between the over-riders.

