



'The Real Sports Car'
Morgan

Morgan 4/4 2-seater & 4-seater

1600 ENGINE (Ford CVH)

Cubic Capacity — 1597 cm³ (97.42 cu ins)

Number of Cylinders — 4

Bore and Stroke — 79.96 mm x 79.52 mm

Compression Ratio — 9.5:1

Maximum Torque — 98ft/lb @ 4000 rpm (135 nm)

B.H.P. — 96 DIN @ 6000 rpm

Firing Order — 1,3,4,2

Valve Gear — Single central O.H.C. Hydraulic Tappets

Oil Capacity — 6.2 pints (3.50 litres)

Carburettor — Single Weber 32/34 DFT twin choke

Petrol Capacity — 12½ gallons (56 litres)



Morgan 4/4 & 4/4 4-seater: specification.

- Chassis Frame – Deep Z-shape section with five boxed or tubular cross members. Easily detachable front end.
- Gearbox – Five speed and reverse Ford Gearbox. Synchromesh on all forward gears. Top 5th. 0.83; 4th 1.1; 3rd 1.37:1; 2nd. 1.97:1; 1st 3.65:1; reverse. 3.66:1
- Transmission and Rear Axle – Propshaft with needle roller bearing universal joints transmits power to the tubular Salisbury rear axle fitted with Hypoid gears ratio 4.1 to 1
- Wheels and Tyres – Pressed steel rims fixed with four studs. Centre lock wire wheels are an optional extra. Radial tyres – 175 x 15.
- Brakes – Girling hydraulic dual brake system on four wheels. 11" dia. discs

- on front wheels. 9" x 1 1/4" drum brakes on rear. Cable operated hand brake.
- Steering Gear – Gemmer. Collapsible column. Steering lock ignition switch. Spring alloy wheel, giving 2 1/4 turns lock to lock. Turning circle 32' (9.7m).
- Suspension – Front wheels – vertically mounted coil springs on sliding axle pin. Double acting tubular shock absorbers. Semi-elliptical rear springs, fitted at both ends with Silentbloc bushes, and controlled by Armstrong hydraulic dampers.
- Electrics – Lucas 12 volt equipment; indicators, hazard warning, instrument panel lighting, two-speed wipers and fresh air heater.
- Instruments – Speedo, rev. counter and warning lights in front of driver, with central steel panel including separate oil, fuel, temp, and volt gauges.

- Bodywork – Sheet steel panels on ash wood frame. Black vinyl upholstery (alternative colours or leather available at extra cost). Detachable tops can be stowed in luggage compartment or behind rear seats in four seater. Laminated windscreen.
- Colours – Deep Brunswick Green, Signal Red, Indigo Blue, Nut Brown or Royal Ivory. Other colours available at extra cost.
- Dimensions (approx) – Wheelbase 8' (244cm). Track, front 3' 11" (119cm), rear 4' 1" (124cm). Length 12' (366cm) Width 4' 8" (142cm). Ground clearance 7" (18cm). Height, 4/4 two seater 4' 3" (129cm). Weight 4/4 two seater 1,624lbs (735 kg). 4/4 four seater – 1,680lbs (760 kg).





- Chassis Frame—Deep Z-shape section with five boxed or tubular cross members. Easily detachable front end.
- Gearbox—Five speed and reverse Rover gearbox. Synchromesh on all forward gears. Top 5th, 0.83:1; 4th, 1:1; 3rd, 1.39:1; 2nd, 2.08:1; 1st, 3.32:1; Reverse, 3.42:1.
- Transmission and Rear Axle—Propshaft with needle roller bearing universal joints transmits power to tubular Salisbury limited-slip axle with Hypoid gears—ratio 3.31 to 1.
- Wheels and Tyres—Cast aluminium, 6.5 in wide rims fitted with five studs and fitted with 205/60/15 radial tyres.
- Brakes—Girling hydraulic dual brake system 11" dia discs on front wheels, 5" x 1 1/4" drum brakes on rear. Cable operated hand brake.
- Steering Gear—(Carburettor Model) Gemmer steering box or optional rack and pinion (Injection Model) Rack and pinion standard. Collapsible column, steering lock, ignition switch, leather covered Spring Alloy wheel, giving 2 1/4 turns lock to lock with steering box and 3 1/4 turns with rack and pinion. Turning circle 38' (11.5m).
- Suspension—Front wheels—independently sprung by vertical coil springs and telescopic hydraulic shock absorbers. Semi-elliptical rear springs with lever type hydraulic dampers.
- Electrics—Lucas 12 volt equipment: indicators, hazard warning, instrument panel lighting, two-speed wipers and washer. Twin spotlights and fresh air heater.

The Real Sports Car'
Morgan

Plus 8

GENERAL SPECIFICATION

Carburettor Engine	—3,528cc. (215 cu.ins)	Injection Engine	3,528cc. (215 cu.ins)
Cubic Capacity	—8	Bore and Stroke	89 x 71 mm, 3.5 x 2.8 in.
Number of Cylinders	—8	Compression Ratio	9.75:1
Max. Torque	—190lb. ft., 27.5 mkg at 2,500 r.p.m.	Maximum Torque	—220lb. ft., at 4000 r.p.m.
B.H.P.	—155 DIN PS at 5,250 r.p.m.	190 BHP at 5280 r.p.m.	
Firing Order	—1,8,4,3,6,5,2,7	Valve gear	O.H.V. pushrod, hydraulic tappets
Oil Capacity	—5.5 pints (5.7 litres)	Carburettor	—Twin Stromberg 175 CD
Petrol Capacity	—13 1/2 gallons (81 litres)	Ignition Timing	—6° BTDC
Dryweight of Complete Car	—1,826lbs., 828 kg		1,826lbs., 828 kg