



Manta





Manta - elegant and exciting

In these days of roads crowded with thousands of cars, all much alike, the Manta Coupe is a refreshing alternative. Its high performance and individual character, combined with space and comfort, make it ideal for the young family.

Elegant styling which features a purity of line that makes it outstanding wherever it goes. Inside there is space enough for the whole family, while within its graceful rear styling there is a boot big enough for all their luggage.

Not only elegant and practical, the Manta is also an exciting car to drive, with vigorous acceleration, quiet and effortless high speed cruising, superb cornering, completely predictable handling and powerful brakes, making the Manta safe and fun to drive on motorways or country roads.

Manta Deluxe – a family sports car, Manta SR – the most sporty Manta and the Berlinetta, the most luxurious. Three different models, each with its own character, all of them elegant and exciting.





Berlinetta - the most luxurious Manta

A distinctive yet subtle exterior distinguishes this most luxurious of Mantas. Five carefully selected paint finishes with a colour co-ordinated vinyl roof cover, complement the Berlinetta's graceful lines. The sports road wheels and 185/70HR 13 radial tyres, the full width rubber faces on the bumpers, dual halogen headlights and the double coach lines add just the right touch of refinement.

But it is the interior that makes the Berlinetta so outstanding – the soft cut-pile carpet is colour matched to the rest of the luxurious interior. The deeply padded seats are covered in a rich velour trim and the front seats are reclinable for greater comfort. The doors are tastefully trimmed in a combination of velour, cut-pile carpet and top quality vinyl, with woodgrain panels. The solid sound as the doors are closed confirms the quality built into all Mantas.

The fully padded fascia, with a spacious built-in glove box, has four air vents ensuring a free distribution of fresh air throughout the interior. The woodgrain dashboard contains large round instruments, including a tachometer. For more precise control the sports steering wheel is covered in soft vinyl. Tastefully colour-matched to the rest of the interior is the full length centre console complete with ashtray and cigarette lighter (both illuminated at night) and a convenient oddments tray.

Manta Berlinetta – luxurious and comfortable – a civilised way of travelling fast.

Manta Deluxe - a sports car for the family

Everything inside the Manta is in the right place. Easy-to-read dazzle-free instruments are mounted in a wood grain dashboard immediately in front of the driver. All the switches and controls, including those for the fresh-air heating and ventilation system can be easily reached by a driver wearing a seat belt. A combination switch on the left of the steering column controls turn signals, headlight main beam, headlight flasher, windshield washers with wiper contact and the two speed electric wipers.

The reclinable front seats are specially contoured to give maximum support in fast cornering. The wide rear seat offers comfort for adults as well as children. Easily cleaned, ventilated vinyl trim adds a practical touch for the man with a young family. Luxury nylon cloth is available at extra cost.

The Manta Deluxe is very well equipped. A full length centre console with plenty of space for oddments, contains an ashtray and cigarette lighter, both illuminated at night. An anti-dazzle rear view mirror, vanity mirror on the passenger's visor, a heated rear window and hard-wearing loop pile carpets make even the longest journey more comfortable.

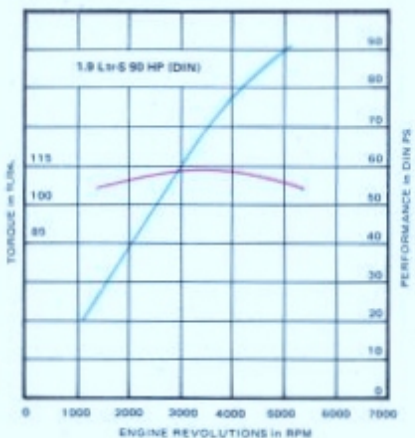
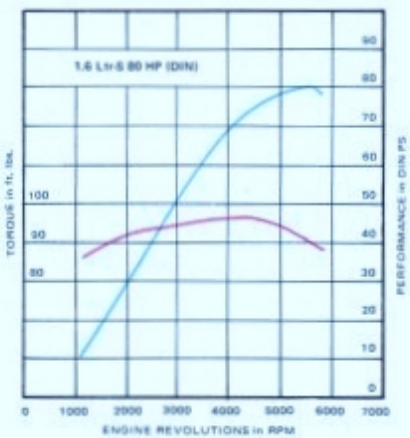
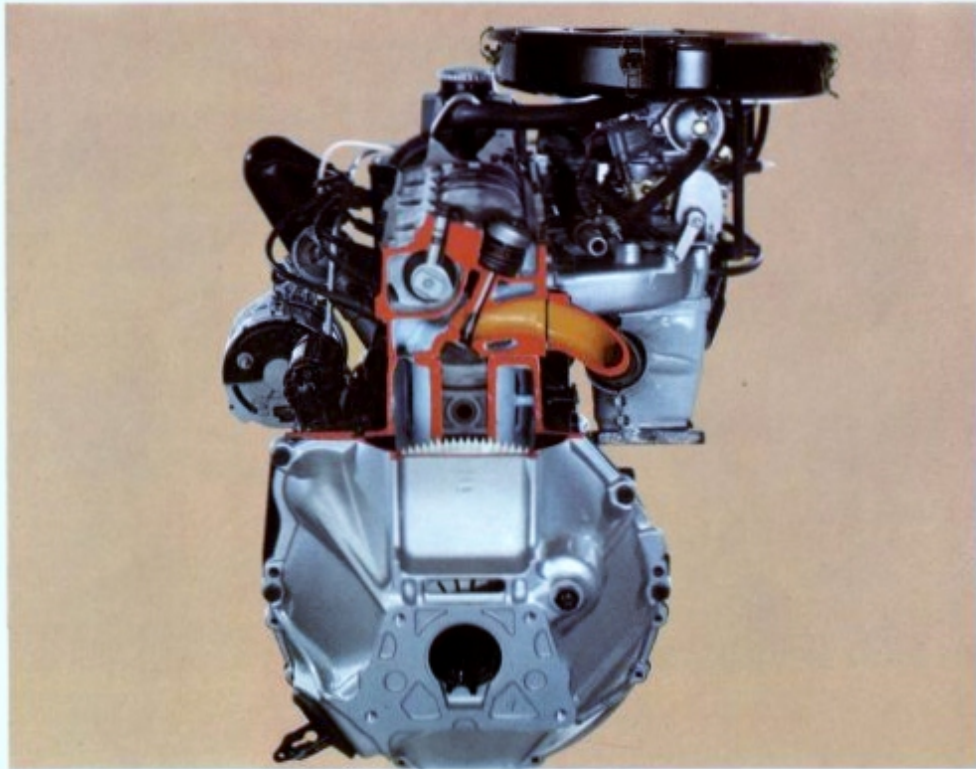
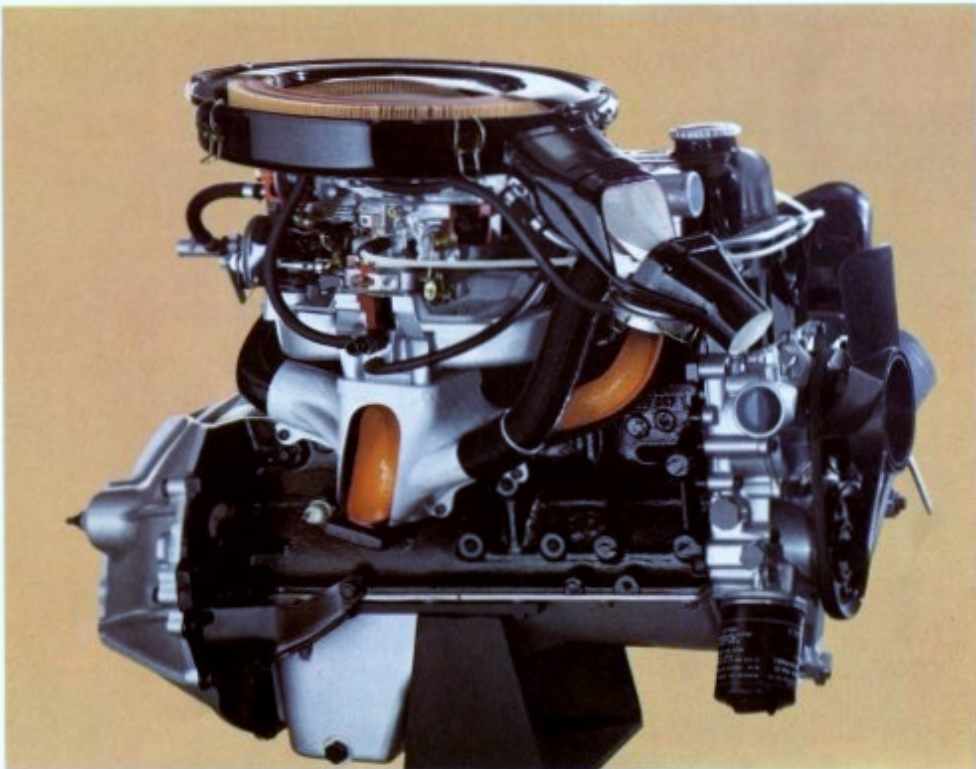
The boot is huge with plenty of space for the family luggage. For convenience, the spare wheel is mounted vertically at the side.

On the road, the Manta's carefully tuned suspension and radial ply tyres create confidence when driving fast over winding roads and ensures comfort even over rough surfaces. Stable roadholding, quick and easy handling, punchy acceleration from the 92 bhp 1.6 litre engine, and quiet, effortless high speed cruising, make the Manta Deluxe a fun car for the whole family.









The Manta engine

Powerful, reliable, lively and economical – these characteristics are common to both the Manta engines.

The 92 bhp 1.6 litre S engine is standard on the Manta Deluxe with the 102 bhp 1.9 litre S engine available as an option at extra cost. The 1.9 litre engine is standard on the Manta SR and the Berlinetta.

Both these engines are modern oversquare units with a high mounted cam shaft and five-bearing crankshaft. Maximum power and torque are produced at relatively low rev's, giving quiet running, economy and excellent reliability.

The flexibility of these units makes driving easy in city traffic, their responsive acceleration gives safe, fast overtaking. Their smoothness, combined with excellent body insulation, reduces noise in the Manta to a level normally found in far more expensive cars.

A rugged manual, 4-speed, fully synchronised transmission is standard equipment on all Mantas. Its well balanced ratios are selected by a positive floor mounted gear lever.



MANTA SR



Add a touch of individuality with these options -

Sun roof

A crank operated all steel sun roof built into the car by Opel.

Headrests

Not merely comfortable but when correctly adjusted for height, an added safety feature too.



Vinyl roof cover

To add a distinctive look to the Deluxe or SR models.

Sports wheels

To improve roadholding on the Manta Deluxe. These 5½J x 13 sports wheels are fitted with 185/70HR 13 radial ply tyres.



And these accessories

Wing mirrors or door mirrors

Essential in crowded city traffic or on busy motorways.

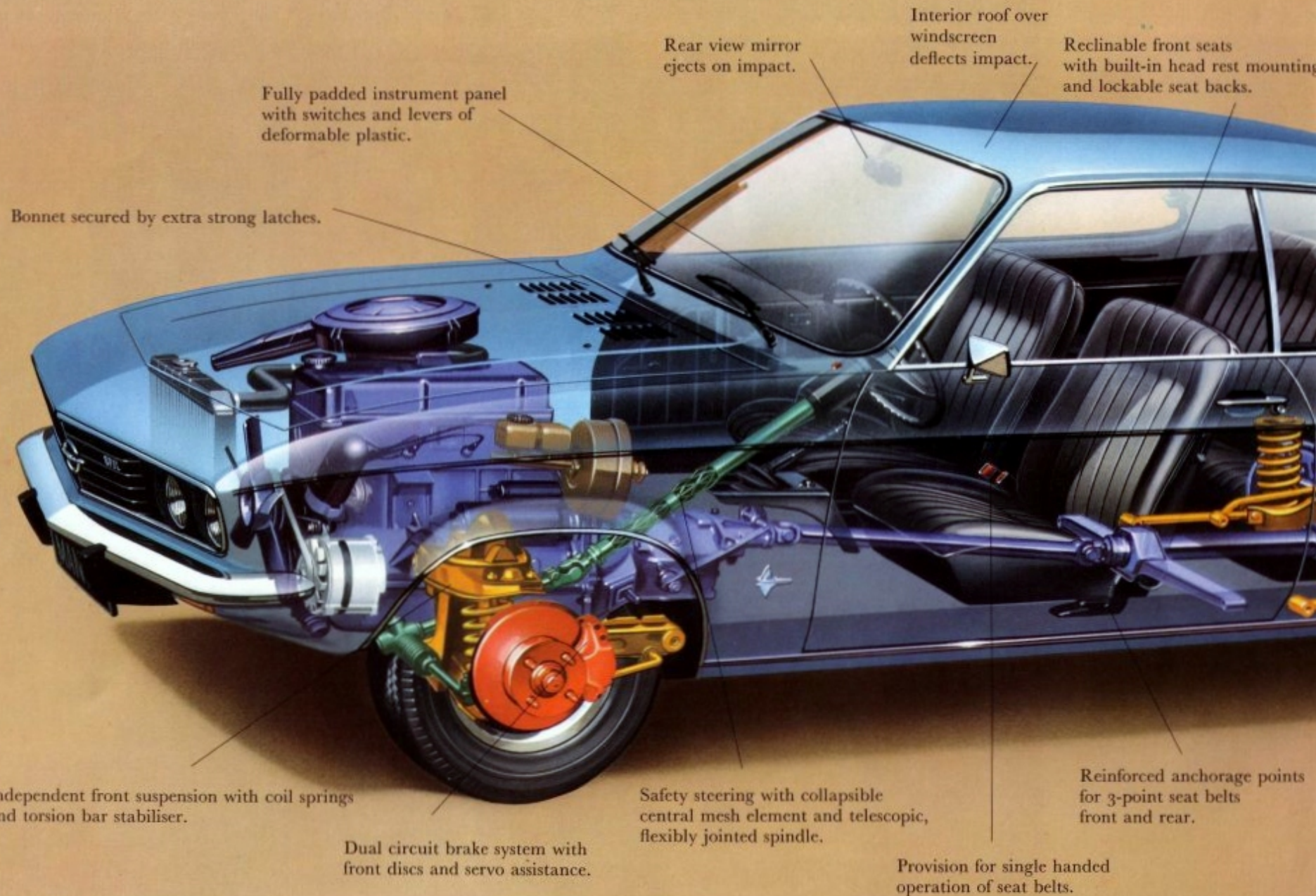
Halogen fog lights

For safer driving in fog and snow.

Towing attachment

Suitable for any trailer weighing up to 1,874 lb, with brakes.





Fully padded instrument panel with switches and levers of deformable plastic.

Bonnet secured by extra strong latches.

Rear view mirror ejects on impact.

Interior roof over windscreen deflects impact.

Reclinable front seats with built-in head rest mounting and lockable seat backs.

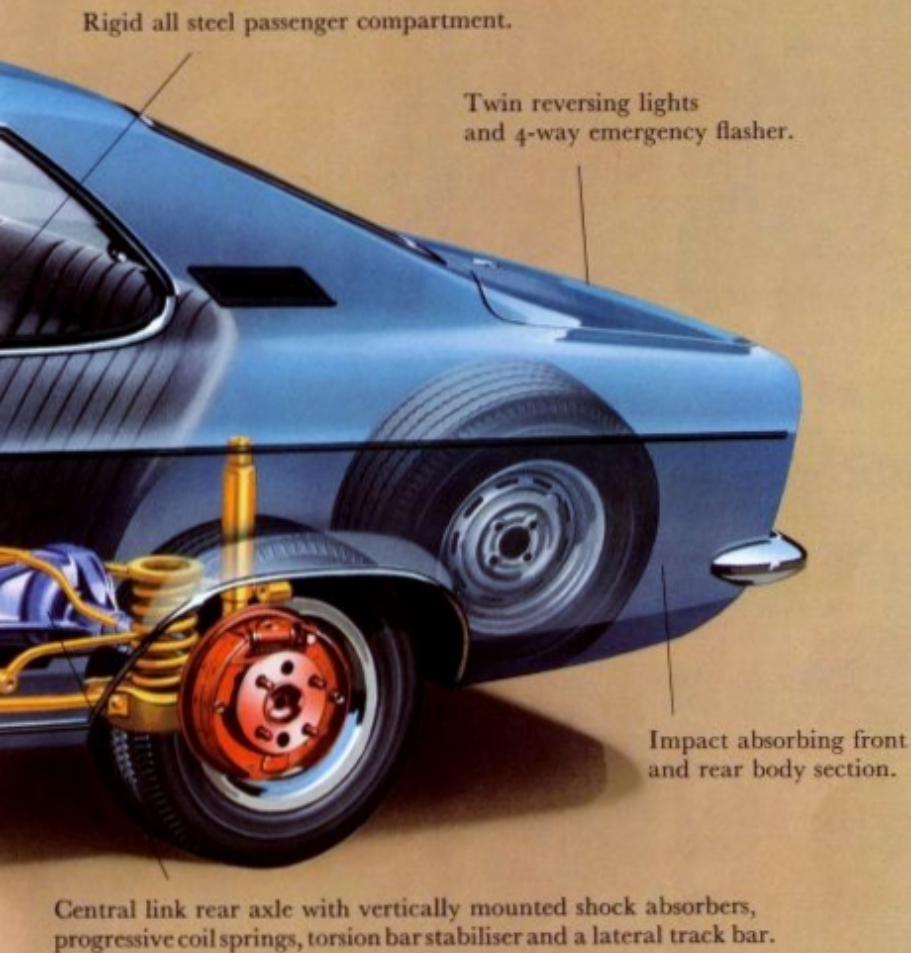
Independent front suspension with coil springs and torsion bar stabiliser.

Dual circuit brake system with front discs and servo assistance.

Safety steering with collapsible central mesh element and telescopic, flexibly jointed spindle.

Reinforced anchorage points for 3-point seat belts front and rear.

Provision for single handed operation of seat belts.



Rigid all steel passenger compartment.

Twin reversing lights
and 4-way emergency flasher.

Impact absorbing front
and rear body section.

Central link rear axle with vertically mounted shock absorbers,
progressive coil springs, torsion bar stabiliser and a lateral track bar.

Safety in the Manta

There are two main areas of safety built into most modern cars, the ability to drive out of a potential accident and the ability to be able to survive one should it happen. Mantas have both these characteristics to an outstanding degree.

Active safety

The engineering that makes an accident less likely to happen is a major part of the Manta. Its famous suspension provides great stability and superb cornering power and makes the roughest roads seem smooth and easy to negotiate. The technical features of this suspension have earned the respect and praise of motoring writers all over the world.

The front suspension is coil sprung with unequal length wishbones, telescopic shock absorbers and a torsion bar stabiliser. Built-in negative camber improves roadholding and anti-dive geometry increases stability under heavy braking.

The central link rear axle is precisely located by a torque tube, two longitudinal links, progressive coil springs, a lateral track bar, torsion bar stabiliser and vertically mounted shock absorbers. This refined suspension keeps the rear wheels on the road under hard acceleration or braking even on the worst roads.

All Mantas are equipped with a servo-assisted dual circuit braking system – big front discs and large rear drums. Precise, light rack and pinion steering provides good feel on the road and permits rapid and safe changes of direction.

Passive safety

To minimise injury that may result from an accident, the Manta has a rigid steel passenger compartment with impact absorbing front and rear sections. The interior reflects the latest safety research with all switches and levers of deformable plastics. The energy absorbing steering column, padded steering wheel and deep fully padded facia are designed to protect both driver and passenger. There are built-in mountings for head rests in the front seats. The doors, hinges and locks are built to resist side impact. The front seats lock to prevent jack-knifing. These and many other features make the Manta a safer car to drive.

The sporty Opel 3-speed automatic

Prejudice against automatic transmissions is out of place when the transmission concerned is as reliable, smooth and responsive as the Opel 3-speed Automatic. This is one automatic that adapts itself to any driving style and to the work at hand - city traffic, winding country roads or high speed motorway driving.

A sensitive 'kick-down' control provides automatic downward shifts for rapid, safe overtaking and, if the driver wishes, the gears can be selected manually for engine braking on steep hills or tight bends. Fully automatic or manually selected, this transmission is a joy to drive and will appeal to the most ardent enthusiast.

With Opel Automatics you automatically drive better.



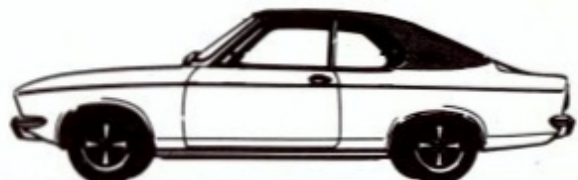
Opel Manta specifications



Manta Deluxe



Manta SR



Berlinetta

Manta Model Range

There are three Mantas to choose from. Manta Deluxe, Manta SR and Manta Berlinetta. The Manta Deluxe is equipped with a 1.6 litre, 92 horsepower engine, the Manta SR and Manta Berlinetta with a 1.9 litre, 102 horsepower engine. The 1.9 litre engine is optional on the Manta Deluxe.

Body

Integral all-steel chassis with low belt line and deep glass areas. Impact-absorbing front and rear sections. Curved front, rear and side screens. Body phosphatised and fully anti-corrosion treated. All windows of toughened safety glass. Metallic and signal body colours available. Matt black bonnet and side stripes optional on Manta SR.

Interior

Four/five seater interior. 11.5 cubic foot boot. Seats partly reclining, body contoured and shaped to give lateral location. Comprehensive fascia padding with flush-mounted control switches. Wood fascia, with instruments including speedometer, clock, water temperature and fuel gauges. Warning lights for low oil pressure, ignition, hand brake and indicators. Three levers to control infinitely variable heater/fresh air system with two-speed blower. Four fascia vents with 360° mobility. Direct air vents to lower sections of car. Centre console incorporating cigarette lighter, glove box and front ashtray. Steering column lock. All models amply supplied with ashtrays, grab handles, glove and parcel compartments. Column mounted lever controls, headlamp flashers, main beam, indicators and windshield washers with wiper contact and two-speed wipers.

Additional standard equipment

Twin headlights. Twin reversing lights. Four-way emergency flashers. Convenience lamps in boot, glove box and under bonnet, dipping rear view mirror, overrides, wheel trim rings, chrome tail pipe extension, exterior brightwork, heated rear window.

On the SR

Additional instrumentation including tachometer, oil pressure gauge and ammeter. Twin halogen headlights, twin tail pipe extension, sports road wheels with 5½" rims. All black interior and sports steering wheel. Seat belts.

On the Berlinetta

Instruments as Deluxe model except tachometer instead of electric clock. Sports steering wheel and padded gear lever knob. Twin halogen headlights. Vinyl roof cover, colour-keyed to exterior finish. Overrides with full width rubber inserts on front and rear bumpers.

Engines

The Manta engines are liquid cooled four-cylinder, in line, high cam units. Steel forged crankshaft. Twin-choke down draught carburettor with automatic choke. Automatic ignition advance by centrifugal force and vacuum. Replaceable full flow oil filter.

Engines

| | 1.6S | 1.9S |
|-------------------|-------------|-----------------|
| Capacity | 1,584cc | 1,897cc |
| Type | IL4 | IL4 |
| Cam position | In head | In head |
| Bhp at rpm (SAE) | 92 at 5,800 | 102 at 5,400 |
| Bhp at rpm (DIN) | 80 at 5,200 | 90 at 5,100 |
| Torque at rpm | 95 at 4,200 | 115 at 28-3,400 |
| Compression ratio | 9.5:1 | 9.0:1 |
| Normal fuel | 98 Oct. | 98 Oct. |

19S engine available in Manta SR and Berlinetta - optional on Manta Deluxe.

Transmission

Diaphragm spring type clutch, single dry plate. Four-speed (all synchromesh). Remote control gear shift, floor mounted. GM three-speed automatic transmission with floor mounted selector optional.

Chassis

Independent front suspension of unequal length wishbones and coil springs. Telescopic shock absorbers. Torsion bar stabiliser. Live rear axle with coil springs, located by twin trailing arms and lateral track bar. Vertically mounted telescopic shock absorbers. Torsion bar stabiliser. Rack and pinion steering. Energy absorbing steering column. Dual circuit servo assisted brakes. Discs front, drums rear. Mechanical handbrake to rear brakes. 165SR-13 tubeless radial tyres on 5J-13 wheels (Manta Deluxe models). 185/70HR-13 tubeless radial ply tyres on 5½J x 13 sports wheels Manta SR and Berlinetta - optional on Deluxe.

Electrical equipment

12 volt negative earth system incorporating 45 amp alternator.

Kerb weight

| Manta Deluxe | Manta SR and Berlinetta | Additional for automatic transmission |
|--------------|-------------------------|---------------------------------------|
| 2118 lb | 2139 lb | 46 lb |

Dimensions

| | Inches |
|----------------|--------|
| Overall length | 171 |
| Overall width | 64½ |
| Overall height | 53½ |
| Wheelbase | 95½ |
| Track front | 52½ |
| Track rear | 52 |

Some of the illustrations in this brochure include certain accessories obtainable from your Opel dealer.

Your Opel dealer is:

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General Motors Limited, Vehicle Division, London NW9.