

1. Reclining seats
2. Covered loadspace sides

Metro HLE from L

Metro HLE offers its efficient economy engine along with high standards of interior equipment.

Radio

Adding to the comfortable, well-appointed interior of the L model is a five push-button radio which can be set for instant selection of one long wave and four medium wave stations. The speaker is mounted in the centre of the fascia.

Clock

The analogue clock is situated on the left hand side of the instrument binnacle; the face is clearly illuminated when the side lights are switched on.

Cigar lighter

The cigar lighter is conveniently positioned below the central air vents, and is illuminated for easy use at night.

Metro 1.3 S

The interior trim of the Metro S models is as extrovert as their bold exterior.



From the photographs on this page, what is the most immediately obvious difference between the 1.3 S model trim and that of the HLE?

The striped seat centre panels.

1.3 S from HLE

Strobe striped seat facings

Reflecting the sporty nature of its lively 1.3 engine, the 1.3 S model seats have centre panels with bold 'strobe' stripes.

Seat valances

On the front seats, seat valances further enhance the good looks of the interior.



Tachometer with digital clock

The third major feature distinguishing 1.3 S models is the tachometer, which incorporates a digital clock for accurate time keeping.



1. One of the three major interior features distinguishing Metro HLE from the L is a cigar lighter. What are the other two features?

2. What are the five major interior features distinguishing Metro L from the Base model?

1. Clock and push button radio.
2. Fabric seat trim, reclining seats, covered loadspace sides, glovebox, front door bins.

Metro 1.3 HLS from 1.3 S

Metro 1.3 HLS is an outstandingly luxurious small car, combining its sporty 1.3 engine with a wealth of interior trim which has been applied generously throughout the car.

There are many minor items which contribute to the overall luxury appeal of this car, including cloth headlining, facia shelf mat, and trimmed B posts. In addition four major features distinguish it from the 1.3 S.

Carpeted loadspace

As you can see from the photograph, the HLS luxury extends into the loadspace area. The loadspace floor is fully carpeted enhancing the good looks and lavish feel of the interior.



In which three other major areas is the 1.3 HLS luxury very evident?

The velour seat facings
The velour door casings
Front head restraints

Velour seat facings

The rich velour covering extends in a plain and rib pattern over the seat facings and margins, and is available in a choice of three colours.



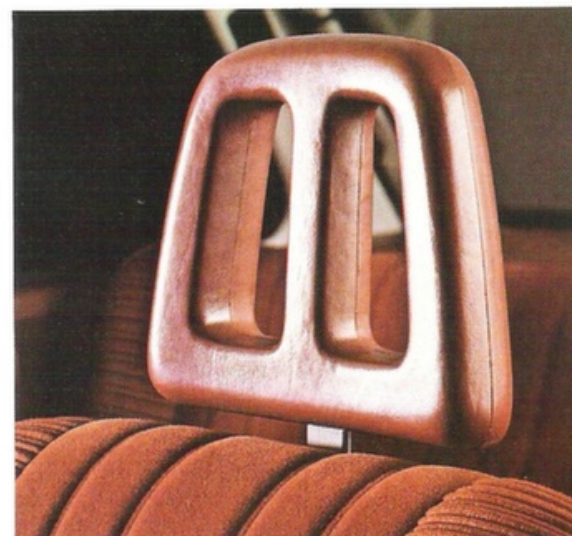
Velour door casings and quarter casings

The lavish velour upholstery also extends over the fully trimmed door and rear quarter casings.



Head restraints

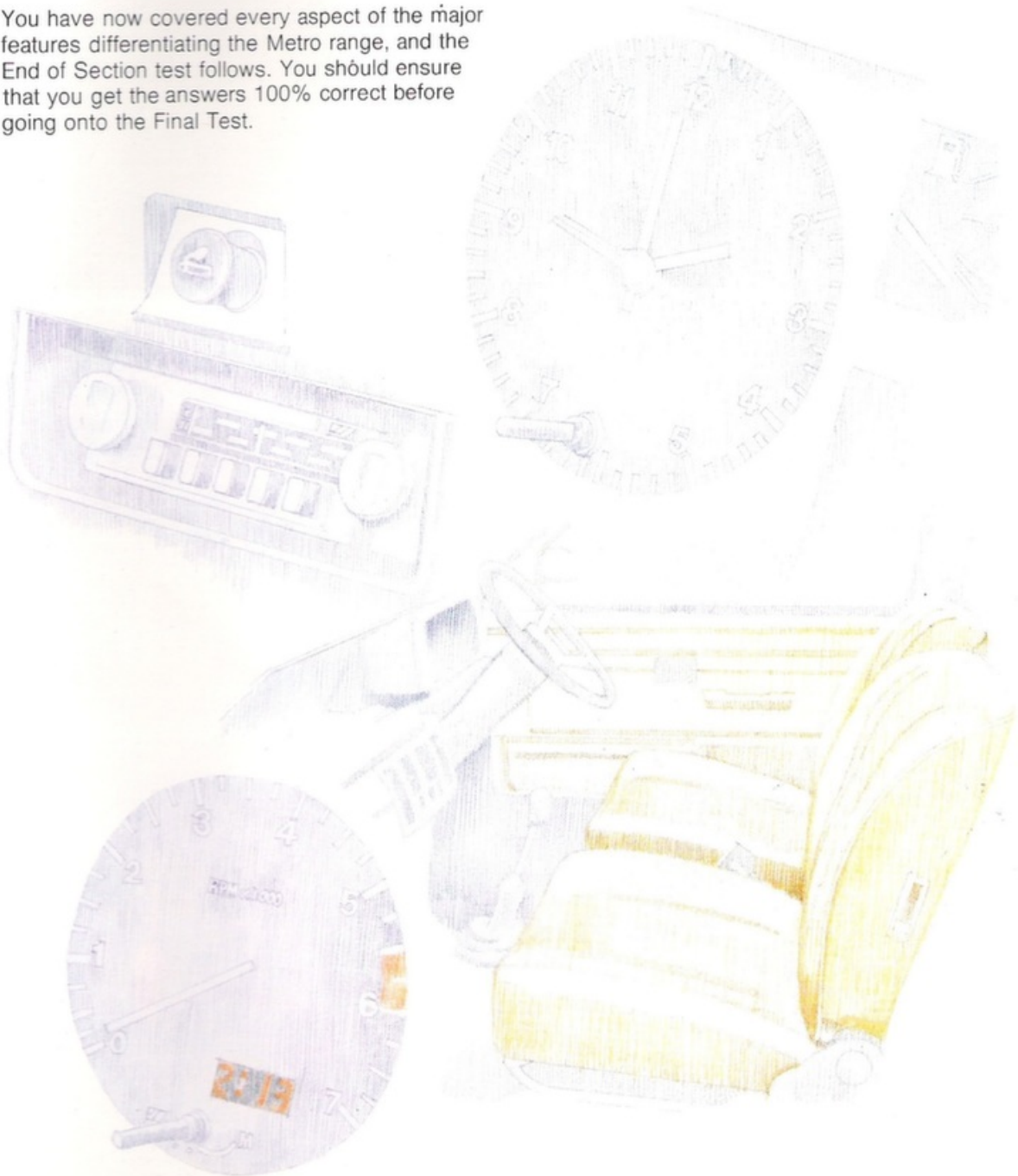
Complementing the luxurious seat trim, the front head-restraints are a valuable safety aid in preventing whiplash neck injuries.



- 1. In addition to the three major features discussed above, what is the other major interior feature offered by the Metro 1.3 HLS over the 1.3 S?*
- 2. The Metro 1.3 S offers a tachometer with digital clock over the HLE. What are its other two major interior feature differentials?*

1. Carpeted loadspace.
2. Seat valances, strobe striped seat facings.

You have now covered every aspect of the major features differentiating the Metro range, and the End of Section test follows. You should ensure that you get the answers 100% correct before going onto the Final Test.



End of Section Test

1. What are the four exterior features differentiating Metro L from the Base?
2. What are the two major exterior features differentiating Metro HLE from the L?
3. What are the two exterior features differentiating Metro 1.3 S from the HLE?
4. What are the four exterior features differentiating Metro 1.3 HLS from the 1.3 S?
5. In addition to the asymmetric split rear seat, what are the five major features differentiating the interior of Metro L from the Base?
6. What are the three additional interior features offered by Metro HLE over the L?
7. What are the three major interior features differentiating Metro 1.3 S from the HLE?
8. What are the four major interior features differentiating Metro 1.3 HLS from the 1.3 S?

Answers

1. What are the four exterior features differentiating Metro L from the Base?
Laminated windscreen.
Rear screen wash/wipe.
Twin coachline.
Reversing lights.
2. What are the two major exterior features differentiating Metro HLE from the L?
Styled halogen headlamps.
Rubbing strip.
3. What are the two exterior features differentiating Metro 1.3 S from the HLE?
Twin two-colour broad stripes.
Tinted glass.
4. What are the four exterior features differentiating Metro 1.3 HLS from the 1.3 S?
Lockable fuel filler cap.
Rubbing strip.
Passenger door mirror.
Bright wheel rim embellishers.
5. In addition to the asymmetric split rear seat, what are the five major features differentiating the interior of Metro L from the Base?
Reclining seats.
Covered loadspace sides.
Fabric seat trim.
Glovebox.
Front door bins.
6. What are the three additional interior features offered by Metro HLE over the L?
Push button radio.
Clock.
Cigar lighter.
7. What are the three major interior features differentiating Metro 1.3 S from the HLE?
Strobe striped seat facings.
Seat valances.
Tachometer with digital clock.
8. What are the four major interior features differentiating Metro 1.3 HLS from the 1.3 S?
Velour seat facings.
Velour door casings.
Front head restraints.
Carpeted loadspace.

METRO FINAL TEST

Because of the enormous public and media interest in Metro, a large number of people - many of them potential customers - are probably going to know more about Metro than they do about any other new model ever launched in this sector. This only highlights the importance of the product knowledge that you have now acquired - firstly, because you will be one of the people who know all the really important facts and benefits of Metro, and secondly, because you will need to draw on every single aspect of your product knowledge in order to do justice to your selling effort.

You will now be aware that Metro offers an unprecedented pack of benefits which give it the potential to become a unique and powerful force in its sector. Metro brings a new meaning to hatchback versatility, a new dimension to space - efficiency, and new standards to the levels of refinement expected in its class. Inside it is one of the biggest small cars on the road today. Structurally, and in terms of steering, handling and roadholding, it is one of the safest. You have seen that no competitor can touch Metro's superb servicing advantages, and that it offers the most competitive combinations of economy and performance in its class. Given, in addition to these benefits, a class-beating specification from the base model upwards, and a background of production development and quality control that can be second to none, there can be little doubt that Metro's potential is so big it is difficult to measure, but not hard to realise. Your first objective in helping to realise that potential is to get 100% in the Final Test.

Metro Final Test - Questions

1. a) How many models are there in the Metro range?
b) What are they?

2. What four main benefits result from Metro's good aerodynamic styling?

3. What two major aspects of Metro's body styling ensure good aerodynamics?

4. Which two major underbonnet features on Metro help to cut down the source of noise?

5. On Metro, in what two ways has vibration been reduced?

6. What major action has been taken to block noise out of Metro's passenger compartment?

7. Which types of windscreen are fitted on the Metro range, and on what models?

8. What are the four major features of Metro's anti-corrosion programme?

9. What feature contributes to Metro's cheaper accident repairs?

10. How long is Metro?
11. How wide is Metro?
12. Which two features give good access for passengers?
13. Which two features allow easy loading?
14. On which Metro models is the asymmetrically split rear seat fitted as standard?
15. What are the five configurations of load and passenger space available on models fitted with the asymmetrically split rear seat?
16. What is the usable bootspace (rear seat up, parcel shelf in position?)
17. What is the loadspace volume (rear seat folded down?)
18. How long is Metro's service interval?
19. What are the five underbonnet modifications which enable Metro to offer its extended service interval?

20. What two further features have contributed to the extended service interval?

21.a) What are the three standard Metro engines and on what models are they fitted?

b) What is the optional engine, and on which model is it available?

22. What three major features give the HLE its outstanding economy?

23. What are the official fuel consumption figures for the Metro HLE:

a) on the urban cycle?

b) at a steady 56 mph?

24. What is Metro's fuel tank capacity?

25. What are the three major features of Metro's front suspension?

26. What are the two main benefits of Metro's rear suspension?

27.a) What sort of dual system brakes are fitted on Metro?

b) Which brakes are operated by each circuit?

28. What are the four exterior features differentiating Metro L from the Base?

29. What are the two major exterior features differentiating Metro HLE from the L?

30. What are the two exterior features differentiating Metro 1.3 S from the HLE?

31. What are the four exterior features differentiating Metro 1.3 HLS from the 1.3 S?

32. In addition to the asymmetric split rear seat what are the five major features differentiating the interior of Metro L from the Base?

33. What are the three additional interior features offered by Metro HLE over the L?

34. What are the three major interior features differentiating Metro 1.3 S from the HLE?

35. What are the four major interior features differentiating Metro 1.3 HLS from the 1.3 S?

Metro Final Test - Answers

- 1.a) How many models are there in the Metro range?
b) What are they?
2. What four main benefits result from Metro's good aerodynamic styling?
3. What two major aspects of Metro's body styling ensure good aerodynamics?
4. Which two major underbonnet features on Metro help to cut down the source of noise?
5. On Metro, in what two ways has vibration been reduced?
6. What major action has been taken to block noise out of Metro's passenger compartment?
7. Which types of windscreen are fitted on the Metro range, and on what models?
8. What are the four major features of Metro's anti-corrosion programme?
9. What feature contributes to Metro's cheaper accident repairs?
- a) Five
b) Base, L, HLE, 1.3 S, 1.3 HLS.
- i) Improved performance.
ii) Better economy.
iii) Greater stability.
iv) Reduced wind noise.
- i) Raked front end.
ii) Front spoiler.
- i) Electric fan.
ii) Acoustic air filter.
- i) Rubber mountings for engine and subframes.
ii) Bitumastic sheets fused to body.
- By the use of sound insulation materials.
- i) Toughened on baseline.
ii) Laminated on other models.
- i) The electroprime, using anti-corrosive paint.
ii) The sealing of all seams with a plastic sealant.
iii) The sealing of the entire underbody with a chip resistant coating.
iv) Wax injection of box sections.
- Bolt-on front wings.

10. How long is Metro? 11 ft 2 ins
11. How wide is Metro? 5 ft 1 in
12. Which two features give good access for passengers?
i) Wide doors.
ii) Controlled forward movement front seats.
13. Which two features allow easy loading?
i) Low sill.
ii) Large tailgate opening.
14. On which Metro models is the asymmetrically split rear seat fitted as standard? All except the Base.
15. What are the five configurations of load and passenger space available on models fitted with the asymmetrically split rear seat?
i) Rear seat up, parcel shelf in position.
ii) Parcel shelf folded down.
iii) Complete rear seat folded down.
iv) One-third rear seat folded down, (parcel shelf removed).
v) Two-thirds rear seat folded down, (parcel shelf removed).
16. What is the usable bootspace (rear seat up, parcel shelf in position?) 7.5 cu.ft.
17. What is the loadspace volume (rear seat folded down?) 45.7 cu.ft.
18. How long is Metro's service interval? 12 months or 12,000 miles.
19. What are the five underbonnet modifications which enable Metro to offer its extended service interval?
i) Self-cleaning points.
ii) Long-life spark plugs.
iii) 12 months/12,000 miles oil change.
iv) Long-life battery.
v) Improved drive belt pulley.

20. What two further features have contributed to the extended service interval?

- i) Brake pad wear indicator.
- ii) Reduced greasing requirement.

21.a) What are the three standard Metro engines and on what models are they fitted?

- a) 1.0 on Base and L.
1.0 Economy on HLE.
1.3 on 1.3 S and 1.3 HLS.
- b) 1.0 low compression on Base.

b) What is the optional engine, and on which model is it available?

22. What three major features give the HLE its outstanding economy?

- i) Higher compression ratio.
- ii) Part load weakener.
- iii) Higher final drive ratio.

23. What are the official fuel consumption figures for the Metro HLE:

- a) on the urban cycle?
- b) at a steady 56 mph?

- a) 41.5 mpg.
- b) 58.3 mpg.

24. What is Metro's fuel tank capacity?

7 gallons.

25. What are the three major features of Metro's front suspension?

- i) Independent Hydragas units.
- ii) External dampers.
- iii) Anti-roll bar.

26. What are the two main benefits of Metro's rear suspension?

- i) Good ride qualities.
- ii) The Hydragas units do not intrude into the loadspace.

27.a) What sort of dual system brakes are fitted on Metro?

a) H/I split.

b) Which brakes are operated by each circuit?

- b) One circuit (H) operates on all four wheels, the other (I) operates the front only.

28. What are the four exterior features differentiating Metro L from the Base?

Laminated windscreen.
Rear screen wash/wipe.
Twin coachline.
Reversing lights.

29. What are the two major exterior features differentiating Metro HLE from the L?

Styled halogen headlamps.
Rubbing strip.

30. What are the two exterior features differentiating Metro 1.3 S from the HLE?

Twin two-colour broad stripes.
Tinted glass.

31. What are the four exterior features differentiating Metro 1.3 HLS from the 1.3 S?

Lockable fuel filler cap.
Rubbing strip.
Passenger door mirror.
Bright wheel rim embellishers.

32. In addition to the asymmetric split rear seat what are the five major features differentiating the interior of Metro L from the Base?

Reclining seats.
Covered loadspace sides.
Fabric seat trim.
Glovebox.
Front door bins.

33. What are the three additional interior features offered by Metro HLE over the L?

Push button radio.
Clock.
Cigar lighter.

34. What are the three major interior features differentiating Metro 1.3 S from the HLE?

Strobe striped seat facings.
Seat valances.
Tachometer with digital clock.

35. What are the four major interior features differentiating Metro 1.3 HLS from the 1.3 S?

Velour seat facings.
Velour door casings.
Front head restraints.
Carpeted loadspace.



METRO FACTS SUMMARY

The following pages give full details of Metro's general specification, feature build-up and option availability.

General specification



Engines

	1.0 Base and L	1.0 LC Option Base only	1.0 Economy HLE	1.3 S and HLS
Capacity	998	998	998	1275
	OHV	OHV	OHV	OHV
No. of cylinders	4	4	4	4
Bore (mm)	64.58	64.58	64.58	70.61
Stroke (mm)	76.20	76.20	76.20	81.28
Compression ratio : 1	9.6	8.3	10.3	9.4
Carburettors	1xHIF38	1xHIF38	1xHIF38	1xHIF44
Bhp (Din)	45	41	46*	62
at rpm	5400	5300	5250*	5600
Torque lb ft (Din)	53	50	55*	72
at rpm	3000	2750	3000*	3000



Transmission

	1.0 Base and L	1.0 LC Option Base only	1.0 Economy HLE	1.3 S and HLS
Gear ratios:				
1st	3.525	3.525	3.525	3.525
2nd	2.217	2.217	2.217	2.217
3rd	1.433	1.433	1.433	1.433
4th	1.000	1.000	1.000	1.000
Reverse	3.544	3.544	3.544	3.544
Final drive	3.647	3.647	3.440	3.440
Mph per 1000 rpm in top	16.3	16.3	17.2	17.2

*provisional figures



Suspension

Front - Independent - arms of unequal length, Hydragas displacers, telescopic hydraulic dampers and anti-roll bar

Rear - Independent - trailing arms, transverse interconnected Hydragas displacers








Wheels and tyres

	1.0 Base and L	1.0 LC Option Base only	1.0 Economy HLE	1.3 S and HLS
Type	Radial	Radial	Radial	Radial
Size	135x12	135x12	135x12	155/70x12
Pressure: front (p.s.i.)	32	32	32	28
rear (p.s.i.)	28	28	28	26
Denovo safety wheel and tyre 160/65R320	Opt	Opt	Opt	Opt



Brakes

	1.0 Base and L	1.0 LC Option Base only	1.0 Economy HLE	1.3 S and HLS
Front: type	Disc	Disc	Disc	Disc
diameter (in)	8.4	8.4	8.4	8.4
Rear: type	Drum	Drum	Drum	Drum
diameter (in)	7.0	7.0	7.0	7.0
Servo assistance	—	—	—	std
Dual circuit	std	std	std	std

	1.0 Base and L	1.0 LC Option Base only	1.0 Economy HLE	1.3 S and HLS
 Steering				
Type	Rack and pinion	Rack and pinion	Rack and pinion	Rack and pinion
Wheel diameter (in)	15	15	15	15
Turns lock to lock	3.3	3.3	3.3	3.3
Turning circle kerb to kerb	33 ft 6 in	33 ft 6 in	33 ft 6 in	33 ft 6 in
 Electrics				
Alternator output (amps)	45	45	45	45
Battery capacity (amp/hr)	30	30	30	40
Starter motor	Inertia	Inertia	Inertia	Inertia
 Dimensions				
Length	11 ft 2 in	11 ft 2 in	11 ft 2 in	11 ft 2 in
Width	5 ft 1 in	5 ft 1 in	5 ft 1 in	5 ft 1 in
Height	4 ft 4 in	4 ft 4 in	4 ft 4 in	4 ft 4 in
Wheelbase	7 ft 5 in	7 ft 5 in	7 ft 5 in	7 ft 5 in
Track: front	4 ft 2 in	4 ft 2 in	4 ft 2 in	4 ft 2 in
rear	4 ft 2 in	4 ft 2 in	4 ft 2 in	4 ft 2 in
Bootspace: usable	7.5 cu.ft	7.5 cu.ft	7.5 cu.ft	7.5 cu.ft
Loadspace (rear seat down)	45.7 cu.ft	45.7 cu.ft	45.7 cu.ft	45.7 cu.ft
Fuel tank capacity	7 gallons	7 gallons	7 gallons	7 gallons
Kerbside weight	1638 lbs	1638 lbs	1646 lbs	1662/1695 lbs
Payload	705 lbs	705 lbs	705 lbs	705 lbs
Towing weight (max):				
braked trailer	8 cwt	8 cwt	8 cwt	11.3 cwt
unbraked trailer	5.4 cwt	5.4 cwt	5.4 cwt	5.5 cwt
Roof rack load (max)	106 lbs	106 lbs	106 lbs	106 lbs
 Performance				
Maximum speed (mph)	87.0	84.0	88.4	96.5
0-60 mph (secs)	16.6	17.7	18.2	12.3
30-50 mph in 4th (secs)	11.9	12.3	14.5	10.3
Source Austin Morris Engineering				
 Economy				
Urban (mpg)	38.4	37.2	41.5	32.8
Steady 56 mph (mpg)	53.1	51.5	58.3	51.2
Steady 75 mph (mpg)	38.5	37.9	41.7	37.9

Features

Metro (Base)

Aerodynamic body style
Front spoiler
Rectangular headlamps with black surrounds
Black rolled section bumpers
Front side lamps and indicators in bumper
Side repeater indicators
Tailgate with twin gas struts
Rear guard fog lamps
Rear mud flaps
Driver's door mirror
Heated rear window
Aluminised exhaust
Underbody protection
Wax injection of box sections
Single coachline
Fully trimmed 'A' post
Grained rubber gear lever gaiter
Vinyl seat backs and borders
Vinyl 'biscuit weld' pattern seat faces
Vinyl door and rear quarter casings
Controlled forward movement front seats
Slide mounted front seats
Concealed inertia reel seat belts
Jack-knife folding rear seat
Removable rear parcel shelf
Covered spare wheel well
Carpeted passenger compartment
Loadspace floor mat
Driver's sunvisor with ticket pocket
Passenger sunvisor
Front and rear ashtrays
Facia tray
Dipping rear view mirror
Central air vents
Through flow ventilation
Two-speed fan
Electric cooling fan
Front disc brakes

Warning lights for:
Brake circuit failure
Brake pad wear
Choke on
Handbrake on
Oil pressure
Seat belt
Ignition
Main beam
Direction indicators
Column stalk controls
Electric washers
Two-speed wipers
Flick wipe
Four-spoke steering wheel
Fuel and temperature gauges
Trip mileage recorder
Hazard warning lights
One piece doorglass
Carpeted rear parcel shelf

Metro L

Additions/changes to base model

Twin coachline
Laminated windscreen
Rear screen wash/wipe
Reversing lamps
Marle fabric seat faces
Reclining front seats
Front door pull armrests
Front door bins
Asymmetric split rear seat
Grab handles
Coathooks
Carpeted glovebox
Rear quarter trays
Vanity mirror
PVC covered loadspace sides
Soft-feel steering wheel

Metro HLE

Additions/changes to L model

Styled halogen headlamps with bright surrounds and integral sidelamps and indicators
Side rubbing strip
Glow-ring cigar lighter
Clock
Push button radio
Mud flaps not fitted

Metro 1.3 S

Additions/changes to HLE model

Twin two-colour broad stripes
Tinted glass
Strobe striped seat centre panels
Seat valances
Trimmed cheater panel
Brake servo
Tachometer
Digital clock
Rear mud flaps

Metro 1.3 HLS

Additions/changes to 1.3 S model

Lockable fuel filler cap
Side rubbing strip
Passenger door mirror
Bright wheel rim embellishers
Head restraints
Velour seat facings; plain centre panel and ribbed margins
Velour door casings and vinyl waist rail
Full width fascia shelf mat
Cloth faced sunvisors
Handbrake grip
Loadspace floor carpeted
Cloth headlining
Fully trimmed interior 'B' posts
Velour rear quarter casings

Metro option availability

	Metro	Metro L	Metro HLE	Metro 1.3 S	Metro 1.3 HLS
Metallic paint	Optional	Optional	Optional	Optional	Optional
Detachable metal sunroof		Optional	Optional	Optional	Optional
Detachable glass sunroof		Optional	Optional	Optional	Optional
Push button radio, speaker and aerial	Optional	Optional	Standard	Standard	Standard
Manual radio and stereo tape cassette unit with door bin speakers	Optional	Optional	Optional	Optional	Optional
Push button radio and stereo tape cassette unit with door bin speakers	Optional	Optional	Optional	Optional	Optional
Slotted head restraints		Optional	Optional	Optional	Standard
"Denovo 2" wheels and tyres	Optional	Optional	Optional	Optional	Optional
Reversing lamps	Optional	Standard	Standard	Standard	Standard
Rear screen wash/wipe	Optional	Standard	Standard	Standard	Standard
Headlamp pressure wash			Optional	Optional	Optional
Trip computer					Optional
Laminated windscreen	Optional	Standard	Standard	Standard	Standard
1.0 Low compression engine	Optional				

Metro colour and trim availability

		Metro	Metro L	Metro HLE	Metro 1.3 S	Metro 1.3 HLS
Ermine White	Trim	Paprika	Paprika	Paprika	Brown strobe	Paprika
	Coachline	Slate	Slate	—	Granite/ Nimbus	—
Applejack	Trim	Savannah	Savannah	Savannah	Green strobe	Savannah
	Coachline	Slate	Slate	—	Honeysuckle/ Topaz	—
Nautilus	Trim	Savannah	Savannah	Savannah	Grey strobe	Savannah
	Coachline	Vellum	Vellum	—	Vellum/Raffia	—
Vermilion	Trim	Black	Black	Black	Grey strobe	Black
	Coachline	Slate	Slate	—	Granite/ Nimbus	—
Emberglow	Trim	Savannah	Savannah	Savannah	Brown strobe	Savannah
	Coachline	Vellum	Vellum	—	Vellum/Raffia	—
Champagne	Trim	Paprika	Paprika	Paprika	Brown strobe	Paprika
	Coachline	Vellum	Vellum	—	Honeysuckle/ Topaz	—
Snapdragon	Trim	Black	Black	Black	Green strobe	Black
	Coachline	Slate	Slate	—	Granite/ Nimbus	—
Metallics						
Peridot	Trim	Savannah	Savannah	Savannah	Green strobe	Savannah
	Coachline	Vellum	Vellum	—	Honeysuckle/ Topaz	—
Denim Blue	Trim	Black	Black	Black	Grey strobe	Black
	Coachline	Slate	Slate	—	Granite/ Nimbus	—
Sombrero	Trim	Paprika	Paprika	Paprika	Brown strobe	Paprika
	Coachline	Vellum	Vellum	—	Vellum/Raffia	—
Silver Birch	Trim	Paprika	Paprika	Paprika	Grey strobe	Paprika
	Coachline	Slate	Slate	—	Granite/ Nimbus	—
Peat	Trim	Savannah	Savannah	Savannah	Brown strobe	Savannah
	Coachline	Vellum	Vellum	—	Vellum/Raffia	—

Black with any trim by special order

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The information included in this booklet was, to the best of our knowledge, correct at the time of going to press. However it cannot be guaranteed that all details will be correct at any later date.(September 1980)