

# BEDFORD HA



**Delivery and service vans**





# Bedford HA 110 and HA 130

Economical. Practical. Profitable. No wonder Bedford HA vans form the backbone of so many famous delivery and service fleets. With their low initial costs, low running costs and low servicing costs, they represent one of the most profitable investments an operator can make.

Both vans have the same basic tough and lively specification; model choice is a matter of operational requirements. They're both like cars to drive. Rack-and-pinion steering makes handling tireless, and manoeuvring simple: maximum turning circle is 10,57m (34ft 8in) kerb-to-kerb. Ultra-light controls, all-synchro gearbox, lively performance from the 1 256cc engine, and positive response from the dual circuit hydraulic brakes, mean that drivers stay fresh and alert. Independent front suspension, semi-elliptic rear springs plus double acting telescopic hydraulic shock absorbers (front and rear) produce smooth, fatigue-free riding and safe handling.

The HA 110 has a GVW of 1 120kg (1,10

ton) and a payload capacity of 371kg (0,36 ton). The HA 130 - with its extra-duty rear axle, up-rated rear springs, front anti-roll bar and reinforced radial tyres - has a GVW of 1 320kg (1,30 ton) and a payload capacity of 546kg (0,54 ton).

The HA's box-shaped body takes 2,50m<sup>3</sup> (88ft<sup>3</sup>) of cargo *plus* an extra 0,75m<sup>3</sup> (27ft<sup>3</sup>) beside the driver (AMA cargo volume measurements). But generous cargo volume is only part of the HA story; what matters just as much (if not more) is how that volume is created, and the size and shape of the goods that will fit into it. This is where HA's practical design puts it ahead of so many of its competitors.

HA's rot-proof wooden floor is kind to cargo - and most accommodating. Behind the driver it measures 1,75m (5ft 9in) long; when the space beside the driver is also utilised. HA will take loads up to 2,90m (9ft 6in) long. On width, too, HA scores: 1,44m (4ft 8½in) between the body sides, and a very useful 0,97m (over 3ft 2in)

between the wheelboxes. There's ample height as well: 1,00m (3ft 3in) - right along the length of the van interior.

HA has no awkward projections to clutter cargo space - and no limitations on load or unloading. Its double rear doors open high and wide to give complete freedom of access; the measurement at the diagonal is no less than 1,35m (4ft 5in).

And HA's floor is never more than 1,1ft (8in) above the ground - to save effort and energy, and to speed handling.

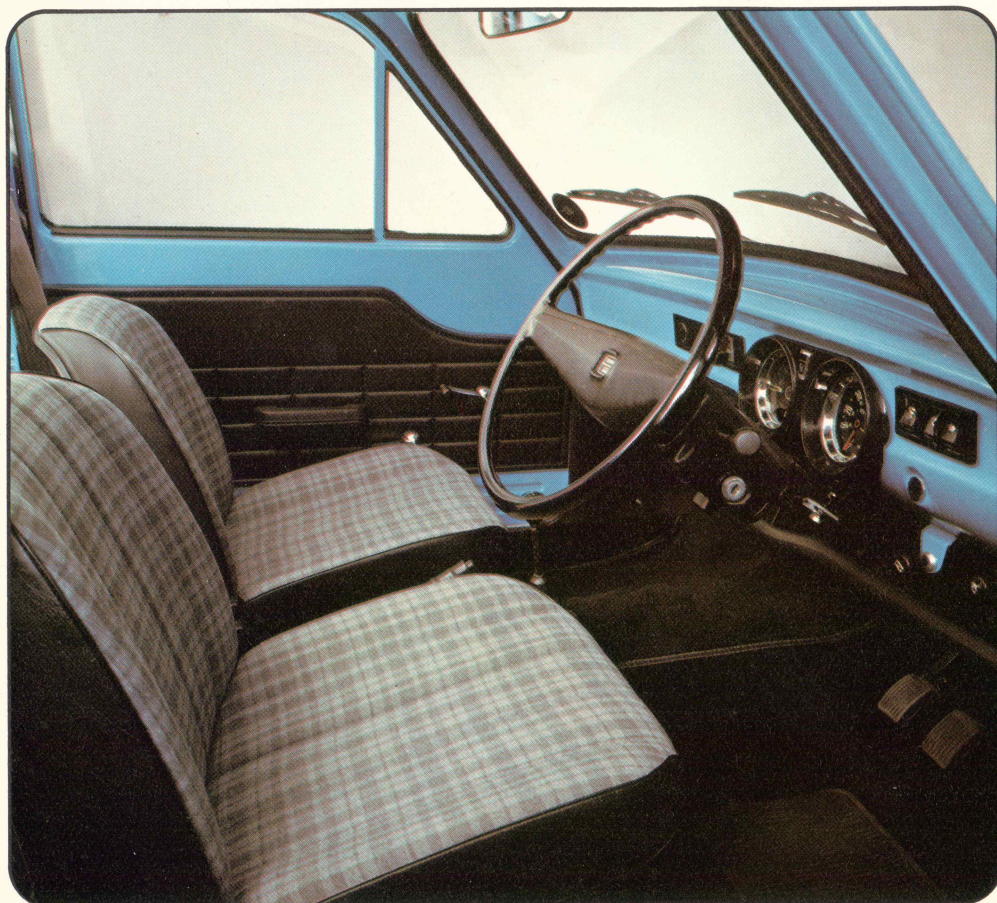
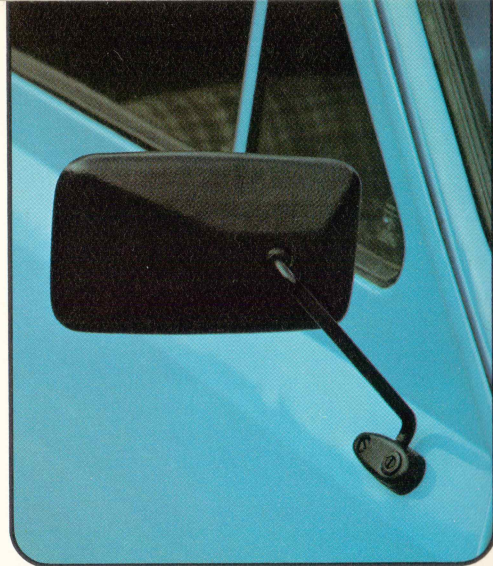
Both models are very thrifty. Their engines use low-octane petrol - and there's an even thriftier 'Economy' engine package available as an option with the HA 110.

Whichever HA model you choose, you can be sure of getting one of the finest value-for-money vans on the market - that value is now even better still. All HA vans are covered by a full twelve month warranty irrespective of the distance covered during that period.





**POST OFFICE CHOICE**  
 When deliveries against their latest order for 5 600 HA 110 vans are completed, the total number of Bedford light vans to enter Post Office service since 1972 will be close to 23 000.



## Colours

Normal body-finish is primer (for customer's own colour applications). Alternatively, a range of low-cost factory paint colours is available.

Your Bedford dealer will be pleased to show you samples of all these colours.

Full underbody seal is included in the basic price of all HA vans (whether in primer or factory painted).

## INDEPENDENT OPINION

"... handling was safe and sure under all conditions, while the excellent steering made life very easy for the driver..."

Commercial Motor.

"The Bedford (braking) was all that could be wished: a firm pedal, with good initial response that stopped the vehicle completely with little drama."

Truck.

*Special note:*  
 Some illustrations in this publication do not reflect the latest improvements made to the external appearance of HA vans.



# Car-comfort cab

Both HA models have this super-style cab specification:

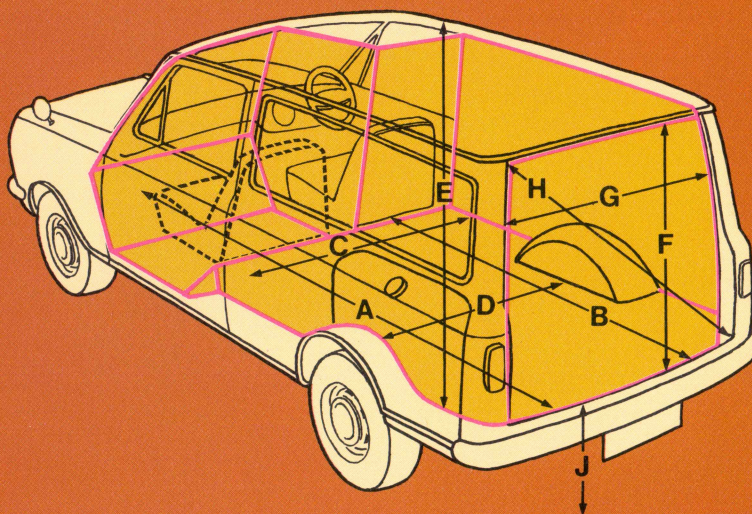
- \* thickly padded driver's seat with plaid cloth upholstery (matching passenger seat optional)
- \* driver's seat belt (UK)
- \* full width carpet and roof headlining
- \* door trim incorporating doorpull-armrests
- \* twin door mirrors plus interior rear view mirror
- \* two sun visors
- \* interior courtesy light
- \* parcel shelf
- \* instrumentation with chrome surrounds
- \* screenwash and electric wipers
- \* heater/demister (UK)
- \* draught-free ventilation
- \* safety steering system and column lock.

In addition, recent specification improvements include a smart, matt-black radiator grille, and chrome front and rear bumpers.



## HA: Key Points to Profit

Interior floor length	m	ft in
A without passenger seat	2,90	9 6
B with passenger seat	1,75	5 9
Interior width		
C between body sides	1,44	4 8½
D between wheelboxes	0,97	3 2
E Interior height	1,00	3 3
Rear door aperture		
F height	0,90	2 11½
G width	1,02	3 4
H diagonal	1,35	4 5
J Unladen loading height	0,51	1 8





# HA engines: Lively and economical

The standard engine for both HA vans is the well-proven Bedford 1 256cc, 4-cylinder, ohv petrol model. It is considerably 'over square' to reduce piston speed – and therefore wear.

The 'Economy' engine (optional on HA 110) is based on the standard engine, but has a CD carburettor, a re-designed manifold and a new camshaft. In this form it achieves up to 30% better fuel consumption – with, of course, de-rated performance.

The three leading specialist UK commercial vehicle magazines carried out independent road tests of the HA 110 with the economy engine and reported these remarkable figures *all at full gvw conditions*:

**Commercial Motor** (mixed urban route) 7,1 lit/100km (39,8mpg). **Motor Transport** (mixed urban/country route) 6,7 lit/100km (42,52mpg). **Truck** (urban route) 6,5 lit/100km (43,47 mpg).

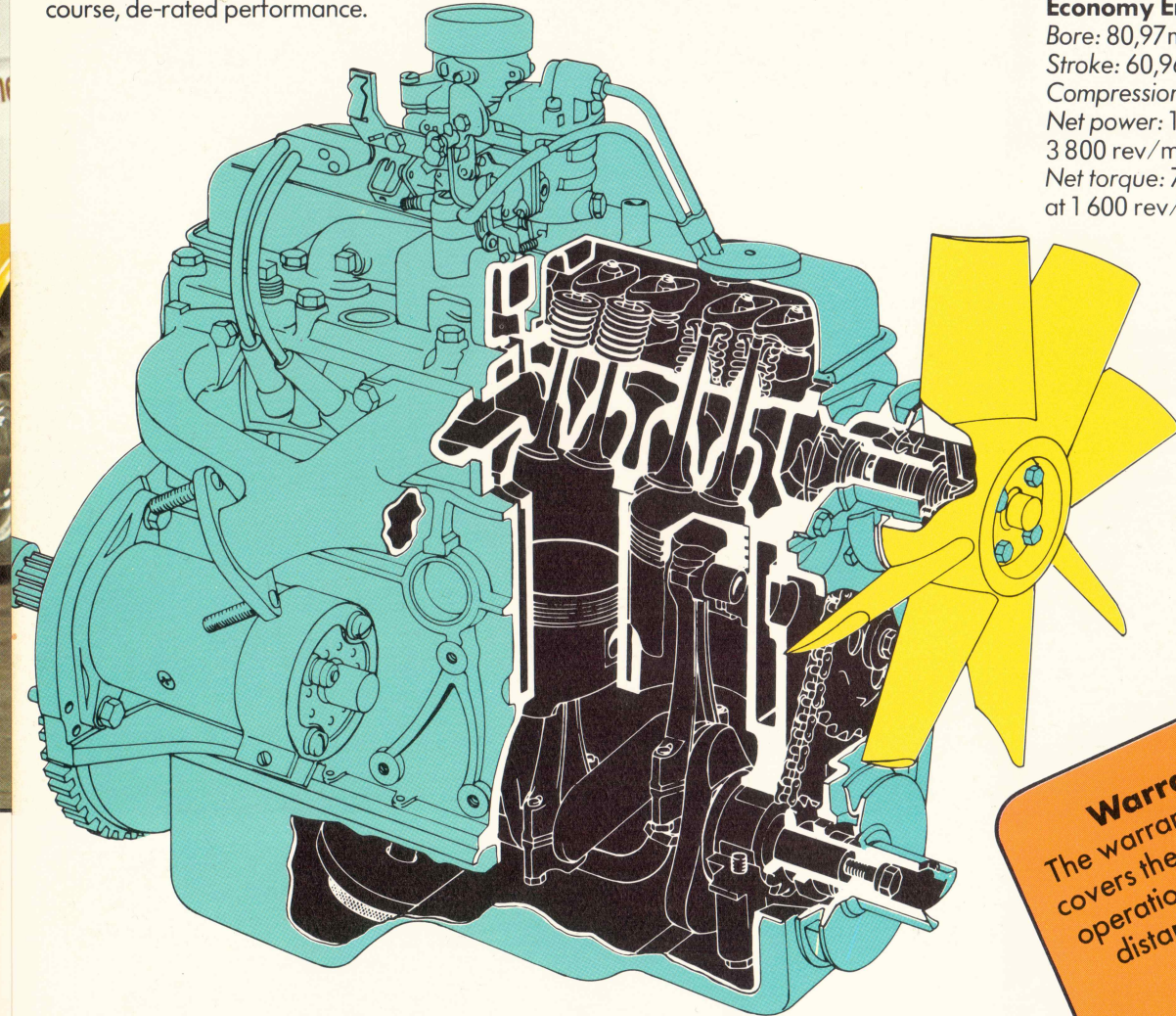
Low-octane petrol (2-star in UK) is recommended for both engines.

## Standard Engine

Bore: 80,97mm (3,19in)  
Stroke: 60,96mm (2,40in)  
Compression ratio: 7,3:1  
Net power: 31,7kW (42,5bhp) at 4 800 rev/min  
Net torque: 82,1 N m (60,6 lbf.ft) at 2 600 rev/min

## Economy Engine

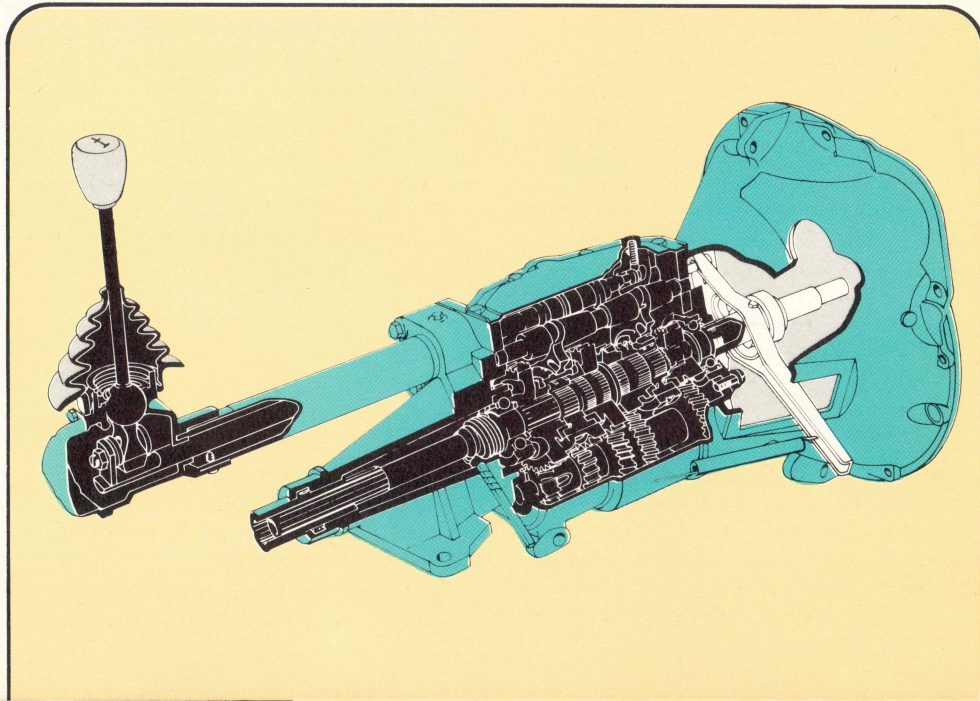
Bore: 80,97mm (3,19in)  
Stroke: 60,96mm (2,40in)  
Compression ratio: 7,3:1  
Net power: 18,0kW (24,4bhp) at 3 800 rev/min  
Net torque: 75 N m (55,3 lbf.ft) at 1 600 rev/min.



**Warranty Plus**  
The warranty for all HA vans covers the first twelve months' operation with no limit on the distance travelled during that period.

## Synchro smooth gears

The 4-speed all-synchro gearbox has been designed specifically to meet the HA's power and weight. It is robust, simple and mechanically efficient – with very small lever movements and ultra-light loads. Total travel of the gear lever knob is confined within a square of 100mm (4in) – for slick, smooth and easy changes, every time. HA's clutch is 'heavy duty' in specification – yet light in operation.





## Specification: HA 110

<b>Wheelbase</b>	2 324mm (91,5in)	
<b>Standard engine</b>	1 256cc petrol. Net power 31,7kW (42,5bhp) at 4 800 rev/min. Net torque 82,1 N m (60,6 lbf. ft) at 2 600 rev/min.	
<b>Economy engine</b>	1 256cc petrol. Net power 18,0kW (24,1bhp) at 3 800 rev/min. Net torque 75 N m (55,3lbf. ft) at 1 600 rev/min.	
<b>Gearbox:</b>	4-speed all-synchromesh. Ratios 3,46; 2,213; 1,404; 1,00 to 1; reverse 3,707 to 1.	
<b>Axle:</b>	Hypoid type. Ratio 4,125 to 1.	
<b>Cooling:</b>	Pressurised with pump, fan and thermostat.	
<b>Fuel system:</b>	Mechanical pump. Tank capacity 33 litres (7 gal).	
<b>Brakes, service:</b>	Hydraulic, with tandem master cylinder and dual circuits; 203mm (8in) dia drums. Lining area 495cm <sup>2</sup> (77in <sup>2</sup> ). Swept area 1 052cm <sup>2</sup> (163in <sup>2</sup> ).	
<b>Brakes, parking:</b>	Mechanical, operating on rear wheels. Central, floor-mounted lever.	
<b>Tyres:</b>	Standard engine: 5,50 x 12C, 6 PR tubeless; Economy engine: 155 SR x 12 reinforced radials.	
<b>Wheels:</b>	4 J x 12.	
<b>Suspension:</b>	Independent, transverse leaf at front. Semi-elliptic springs at rear. Double acting telescopic hydraulic shock absorbers, front and rear.	
<b>Steering:</b>	Rack and pinion, ratio 16 to 1. Steering lock with safety button. Turning circle dia kerb/kerb 10,57m (34ft 8in); wall/wall 11m (36ft 1in).	
<b>Standard equipment:</b>	Jack, wheel-wrench, spare wheel and tyre, driver's seat, seat-belt mounting points, driver's seat belt (UK), soft door trim with doorpull-armrests, two sun visors, interior rear view mirror, twin door mirrors, cab carpet and headlining, heater/demister (UK), screenwash, electric wipers, safety steering system and column lock, parcel shelf, interior light, chrome bumpers, matt-black radiator grille. Primer finish, full underbody seal.	
<b>Weights (Design and UK Plated)</b>	kg	ton
GVW	1 120	1,10
Front axle	500	0,49
Rear axle	710	0,70
Kerb weight	749	0,74
Payload capacity	371	0,36

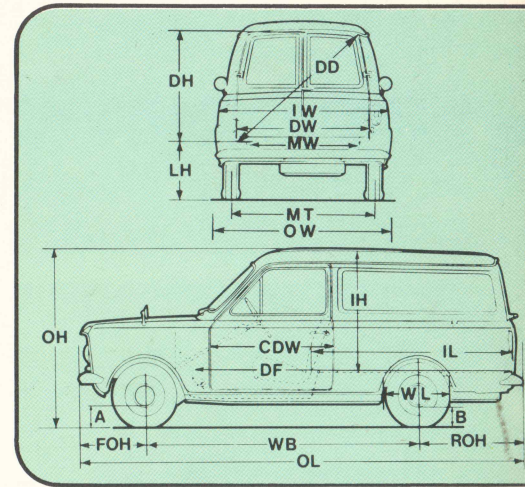
## Specification: HA 130

<b>Wheelbase:</b>	2 324mm (91,5in).	
<b>Engine:</b>	1 256cc petrol. Net power 31,7kW (42,5bhp) at 4 800 rev/min. Net torque 82,1 N m (60,6 lbf. ft) at 2 600 rev/min.	
<b>Gearbox:</b>	4-speed all synchromesh. Ratios 3,76; 2,213; 1,404; 1,00 to 1; reverse 3,707 to 1.	
<b>Axle:</b>	Hypoid type. Ratio 4,125 to 1.	
<b>Cooling:</b>	Pressurised with pump, fan and thermostat.	
<b>Fuel system:</b>	Mechanical pump. Tank capacity 33 litres (7 gal).	
<b>Brakes, service:</b>	Hydraulic, with tandem master cylinder and dual circuits; 203mm (8in) dia drums. Lining area 495cm <sup>2</sup> (77in <sup>2</sup> ). Swept area 1 052cm <sup>2</sup> (163in <sup>2</sup> ).	
<b>Brakes, parking:</b>	Mechanical, operating on rear wheels. Central, floor-mounted lever.	
<b>Tyres:</b>	155 SR x 12C, reinforced radials.	
<b>Wheels:</b>	4 J x 12.	
<b>Suspension:</b>	Independent, transverse leaf at front. Semi-elliptic springs at rear. Double acting telescopic hydraulic shock absorbers, front and rear. Anti-roll bar fitted to front axle.	
<b>Steering:</b>	Rack and pinion, ratio 16 to 1. Steering lock with safety button. Turning circle dia kerb/kerb 10,57m (34ft 8in); wall/wall 11m (36ft 1in).	
<b>Standard equipment:</b>	Jack, wheel-wrench, spare wheel and tyre, driver's seat, seat-belt mounting points, driver's seat belt (UK), soft door trim with doorpull-armrests, two sun visors, interior rear view mirror, twin door mirrors, cab carpet and headlining, heater/demister (UK), screenwash, electric wipers, safety steering system and column lock, parcel shelf, interior light, chrome bumpers, matt-black radiator grille. Primer finish, full underbody seal.	
<b>Weights (Design and UK Plated)</b>	kg	ton
GVW	1 320	1,30
Front axle	500	0,49
Rear axle	890	0,88
Kerb weight	774	0,76
Payload capacity	546	0,54

## Dimensions

		mm	in		mm	in
WB	Wheelbase	2 324	91,5	MT	1 214	47,8
OL	Overall length	3 815	150,2	LH		
FOH	Front overhang	564	22,2		508	20,0
ROH	Rear overhang	927	36,5	MW		
A/B	Ground clearance (unladen)	127	5,0	IW	970	38,2
OH	Overall height	1 458	57,4	DW	1 435	56,5
CDW	Cab door width	1 029	40,5		1 016	40,0
DF	Doors to footwell	2 896	114,0	DH		
WL	Wheelbox length at floor	584	23,0	DD	902	35,5
IL	Interior floor length	1 753	69,0		1 350	53,0
IH	Interior height	996	39,2			
OW	Overall width (inc. mirrors)	1 727	68,0			

Van body volume 2,50m<sup>3</sup> (88ft<sup>3</sup>) plus 0,75m<sup>3</sup> (27ft<sup>3</sup>) beside driver (AMA cargo volume index).



## Professional service-everywhere

Bedford van dealers are located strategically throughout the United Kingdom. That means that Bedford dealers are always in the right place; you never have to travel far to reach one. And Bedford dealers are uniquely placed to

help and advise you on every aspect of operation and model selection.

Computer controlled replacement parts service, factory trained mechanics and factory recommended tools and equipment all combine to provide unsurpassed comprehensive service

for Bedford. And Bedford service is available on the Continent as well - with 24 hour service in each country. So even when your vehicles may travel abroad you're never without GM parts and service backing.

## Leasing through Master Hire

With cash flow problems and increasing running costs imposing burdens on financial resources, the case for vehicle leasing is stronger than ever. That's where the Vauxhall-Bedford Master Hire system can be especially helpful. Master Hire leases can be run for up to 3 years

on Bedford vans - and they are extremely flexible: with maintenance included or excluded; with or without replacement vehicle facilities; with accessories costed-in; even with competitive insurance included if required.

A Master Hire lease can be arranged at any one of over 100 Master Hire dealers throughout the UK. And, irrespective of where a lease is arranged, you can have your servicing expertly carried out by any Master Hire dealer (or approved Bedford van dealer) anywhere in Great Britain.

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