

Technical Specifications

Chassis Body

Layout	Mid-engine, rear wheel drive.
Chassis	Tubular steel folded section frame.
Body	Unstressed GRP.
Brakes	9.5" discs all round, vacuum assisted.
Steering	Rack & pinion 2.75 turns lock to lock.
Front suspension	Lower transverse arm. Forward locating link - adjustable. Upper wishbone - adjustable. Coil over shock - adjustable. Anti-roll bar - optional.
Rear suspension	MacPherson strut with reversed lower wishbone, leading link - adjustable. Anti-roll bar - optional.

General

Kerb weight	1800lbs (depending upon spec).
Distribution	Front - 43% Rear - 37%
Wheelbase	85 in.
Track	Front - 56.3 in. Rear - 57.5 in.
Length	146 in.
Width	68.9 in.
Height	43.9 in.
Ground clearance	5.1 in.

Power Units

Lancia Beta inline 4 cyl., DOHC, 2000cc - 125 bhp in standard tune.

Alfa Romeo V6, 3000cc - 188 bhp in standard tune.

Ferrari V6, 190 bhp in standard tune.

Power to Weight Ratios

HF2000, 2 litre Lancia	157 bhp/ton.
HF2000, tuned 2 litre	199 bhp/ton.
HF2000, Ferrari V6	236 bhp/ton.

Donor Car Parts

Parts required from Lancia Beta

- Engine*, gearbox*, drive shafts, front hub units, brake discs and righthand side front engine mountings
- Front shock absorbers and spring pans from Coupe or HPE
- Handbrake lever, cable adjuster and rear calipers
- Washer bottle and pump
- Tyre and wheel (one only for spare)
- Heater unit from Beta can be modified to fit (instructions in build manual)
- Glove box lock
- Coil
- Ignition pack (if fitted) including the plug located on the shock tower

*Obviously, these items will be required from the Alfa 164 V6 if building the HF3000 or similar parts from 246, 308 or Honda for other versions.

Parts required from other cars:

- Radiator Fiat X19 or Montecarlo (larger core needs to be fitted for larger, ie other than Beta, engined cars)
- Instruments Fiat 124
- Steering column Fiat 124/125/128/131 (early) or X19
- Interior mirror Fiat 124/125/132
- Front stub axle Fiat 132 or FSO Polonez
- Front brakes and calipers Fiat 132 (2 litre has larger brakes)
- Steering rack Triumph Herald
- Door locks, catches, rods etc. Fiat X19
- Headlamp motors and link Fiat X19
- Panel catches Fiat X19 (Targa over-centre catches 4 off)
- Master cylinder Fiat 132/131 1600
- Servo Fiat 131 1600

Standard Kit Contents

Chassis

The black powder-coated chassis is fully bracketed and is complete with fitted alloy floor panels. The tub, front wheel arch and front bulkhead are pre-fitted at the factory. A 1.25" diameter 129 CDS full roll cage is incorporated in the chassis and mountings for standard three-point seat belts and four point racing harnesses are provided, together with mounts for front and rear adjustable anti-roll bars. Plated pedals with rally grip gridding are supplied.

Provision is made to run coolant pipes through the centre spine. Rear suspension has multiple pick-up points. The chassis is also equipped for servo operated brakes or a dual master cylinder and balance-bar operated system. There is also provision for either hydraulic or cable clutch operation.

Suspension

At the front the HF range suspension follows the exact design of the original and, apart from the bush sizes, the units supplied are interchangeable with the original parts. Front suspension comprises two lower transverse arms, these are black powder coated and with bushes fitted; two front tie bars with adjustable rubber mountings; two upper front wishbones in black powder coating with bushes, pivot rods, nuts and washers; two stainless steel high angle rose-joints with boot, lock-nuts and spacers; two upright extensions in special steel, surface ground and heat treated. Modification to customers Fiat 132 stub axles is included. Upgraded Nylatron bushed suspension is available as an option.

At the rear, the HF range employs the same layout as the original car and utilises fabricated hub-carriers which retain the Lancia Beta front

