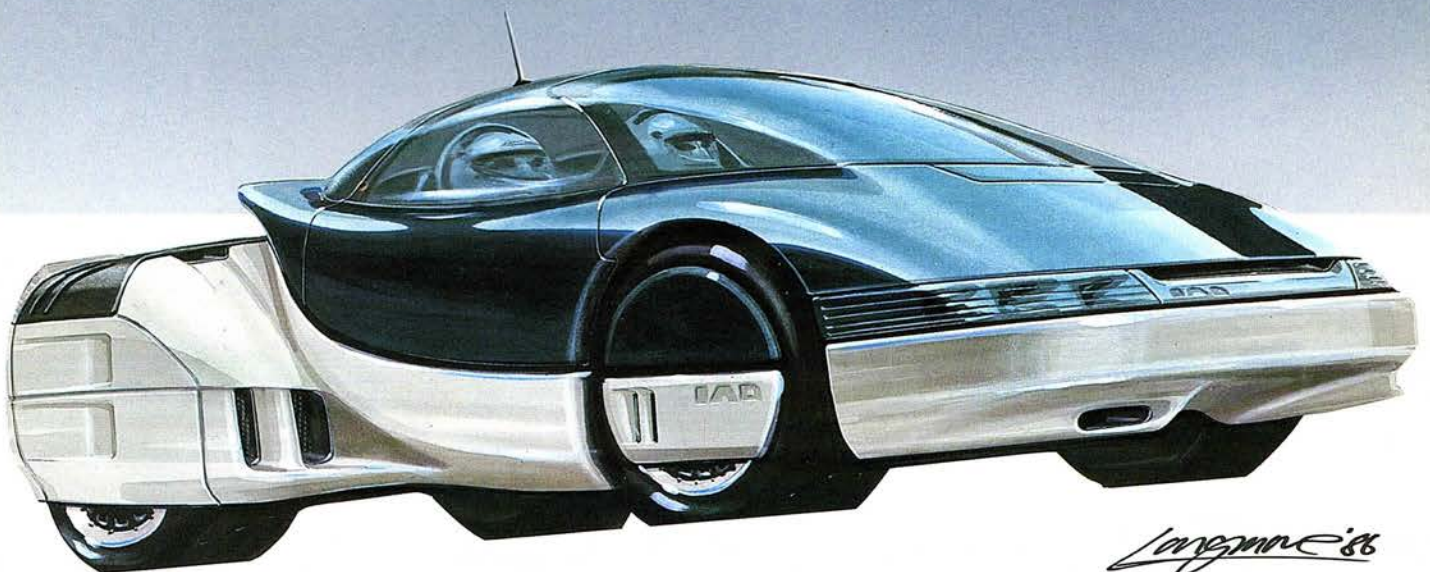




ALIEN



Longmore '86

A CONCEPT CAR BY BRITAIN'S LEADING STYLING COMPANY



ALIEN

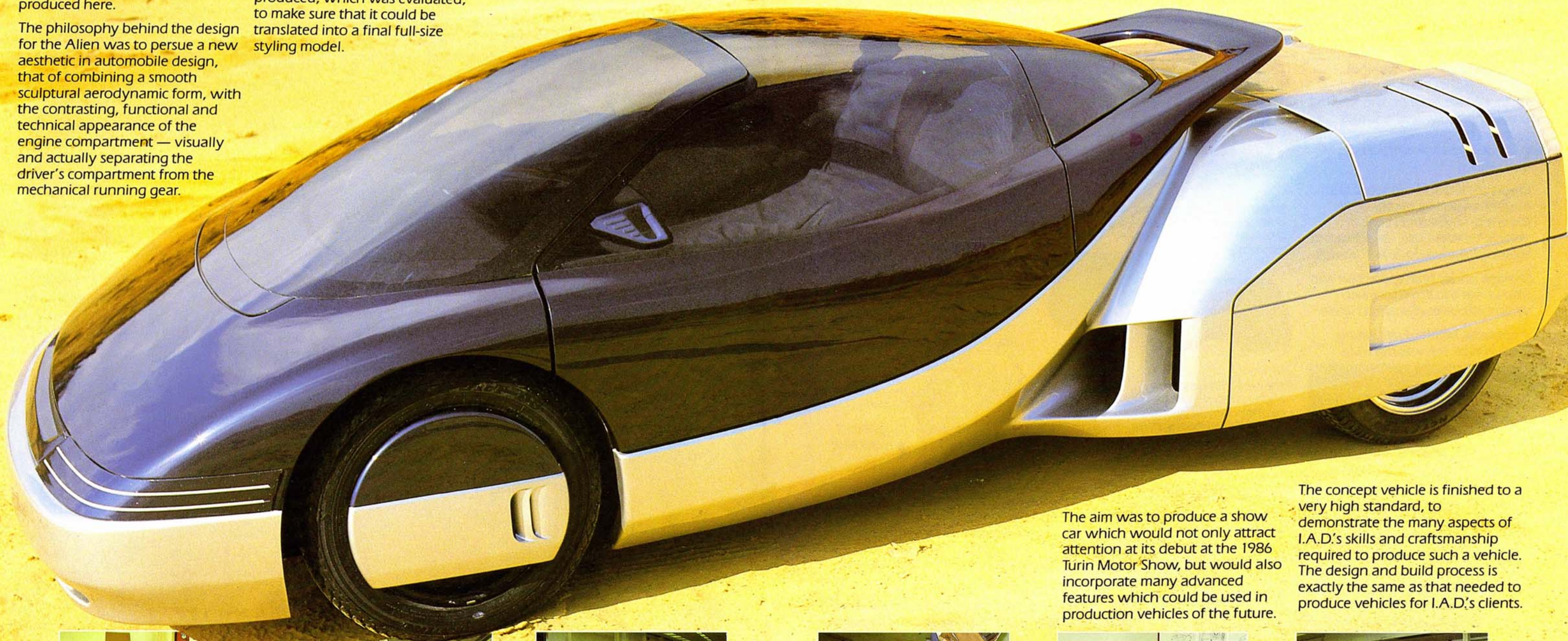
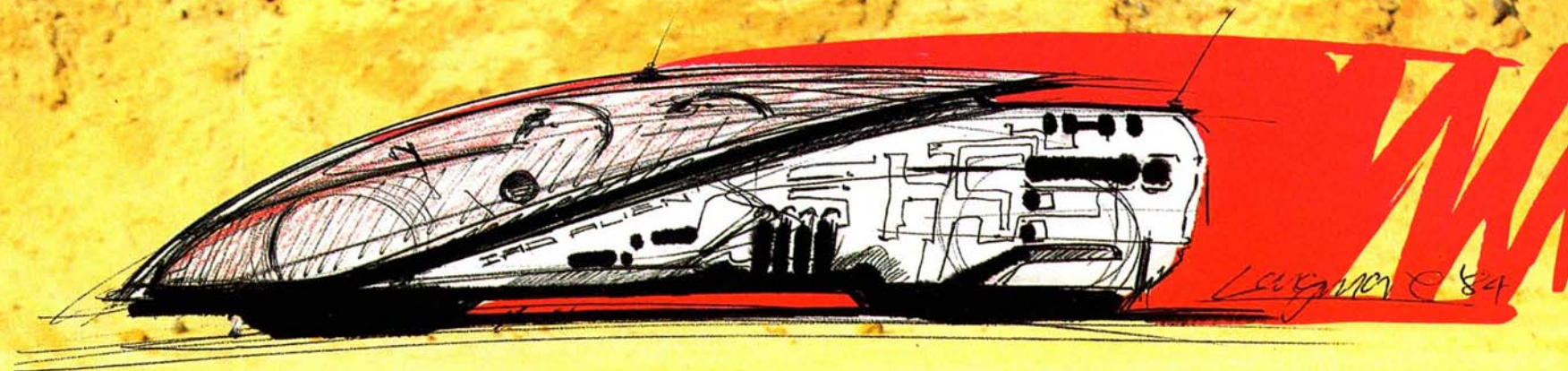
This striking concept car was conceived by the Styling Division of International Automotive Design, of Worthing G-B — Britain's Leading Styling Company. The idea was to produce an 'avante garde' concept which was both different and innovative. The original rough sketch is produced here.

The philosophy behind the design for the Alien was to pursue a new aesthetic in automobile design, that of combining a smooth sculptural aerodynamic form, with the contrasting, functional and technical appearance of the engine compartment — visually and actually separating the driver's compartment from the mechanical running gear.

I.A.D. Alien was conceived as a modern compact high-performance two-seater sports car for the 1990's. Its appearance is designed to arouse interest, as well as to make its functional qualities obvious.

First, a one-fifth scale model was produced, which was evaluated, to make sure that it could be translated into a final full-size styling model.

The original rough styling sketch of 'ALIEN'.



The aim was to produce a show car which would not only attract attention at its debut at the 1986 Turin Motor Show, but would also incorporate many advanced features which could be used in production vehicles of the future.

The concept vehicle is finished to a very high standard, to demonstrate the many aspects of I.A.D.'s skills and craftsmanship required to produce such a vehicle. The design and build process is exactly the same as that needed to produce vehicles for I.A.D.'s clients.



SPECIFICATIONS

Fixed seat, in soft leather. Air bag support, consisting of a multi-chamber diaphragm. It is intended to provide extra support on cornering and also adapt to body weights by a pressure sensitive system. The provision of a pulse system between diaphragms could aid driver alertness and relieve pressure points on long journeys.

Pedals moulded to secondary floor section, adjustable fore/aft.

Adjustable steering unit tilts upwards for access and is linked with doors for automatic closing.

Ergonomic steering control unit substitutes conventional steering wheel. Progressive action power steering linked to road speed, giving full control in various driving conditions. All minor controls (lights, heater, wiper, radio, etc) are sited on the steering unit at finger tip reach. Other features include: full-roll-over cage; full side-impact protection; face-level vents.

Doors locked and unlocked and engine started by means of an infra-red 'key', which clips to vehicle when in use, de-activating steering/gearbox lock and alarms.

Storage under seat, glove box and also under moulded tonneau which lifts with rear glass hatch.

Automatic heating/ventilating system with manual override.



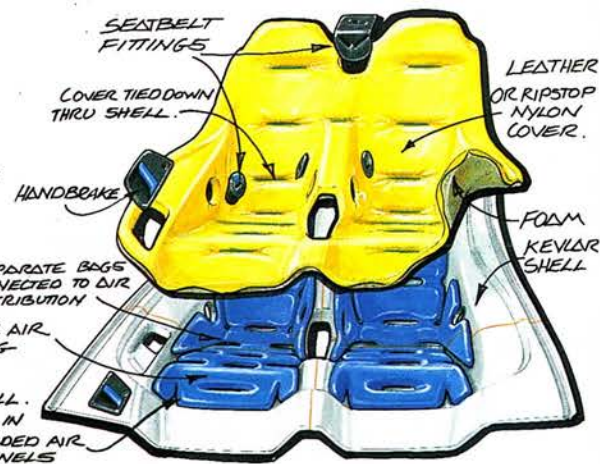
Driver's door control panel. This features a full range of controls for ignition, instrument display and seat contour. It also incorporates an on-board computer and compact disc player.



Simple instrumentation, offering driver selection of analogue or digital display, using the latest flat-screen technology.



The fixed driving position is ergonomically designed for maximum comfort, optimum visions and control. The driver is cocooned in a safe, aircraft-like cockpit, with the seat fully adjustable.



Exploded view of seating configuration.

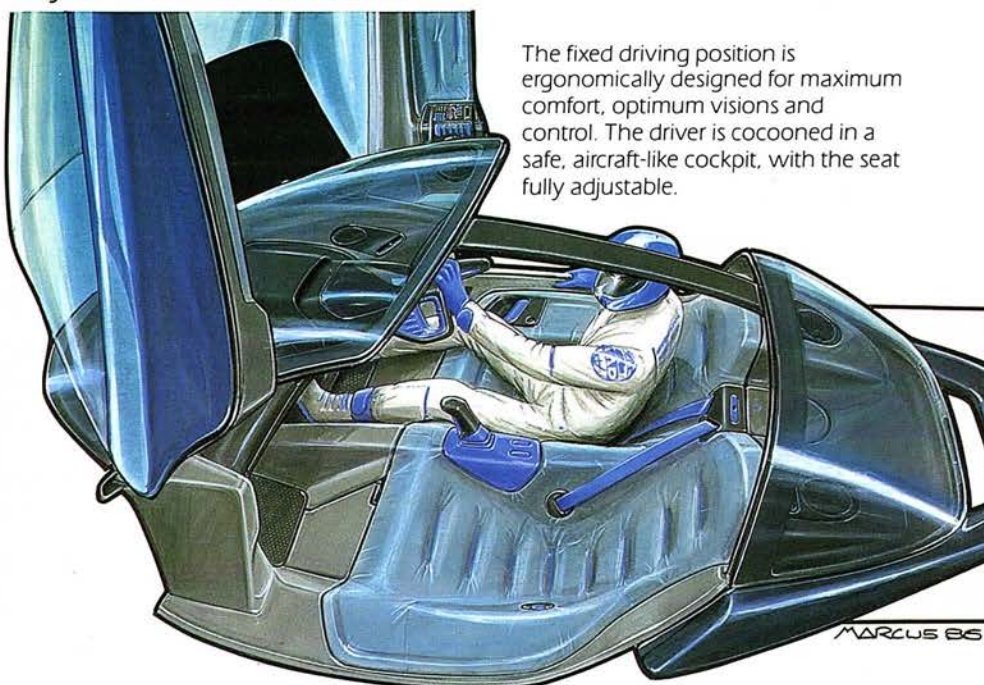
Overall length	3690mm	145.5"
Wheelbase	2390mm	94"
Width	1600mm	63"
Height	1070mm	42"
Capacity	1600cc (or more, according to requirements.)	
Tyre sizes	F 205 x VR 45 x 16"	
	R 265 x VR 50 x 16"	
Engine	A — Transverse mid-engine position OR B — Longitudinal, rear-mounted gearbox	
Cooling	Radiators/inter-coolers mounted either side of engine, ahead of rear wheels. Ducted intakes.	
Fuel tank	Centrally mounted foam filled rubberised bag tank.	

Access to engine compartment and rear wheels by removeable panels.

Engine and suspension mounted to easily-removeable chassis sub-frame (modular system). Major services/repairs may be comfortably completed and different engine units fitted as required.

Front wheel cover fixed to hub centre. Non-rotational and ducts air through brakes.

Concealed single screen wiper.



International Automotive Design

Consultant design engineers, stylists and prototype builders.

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