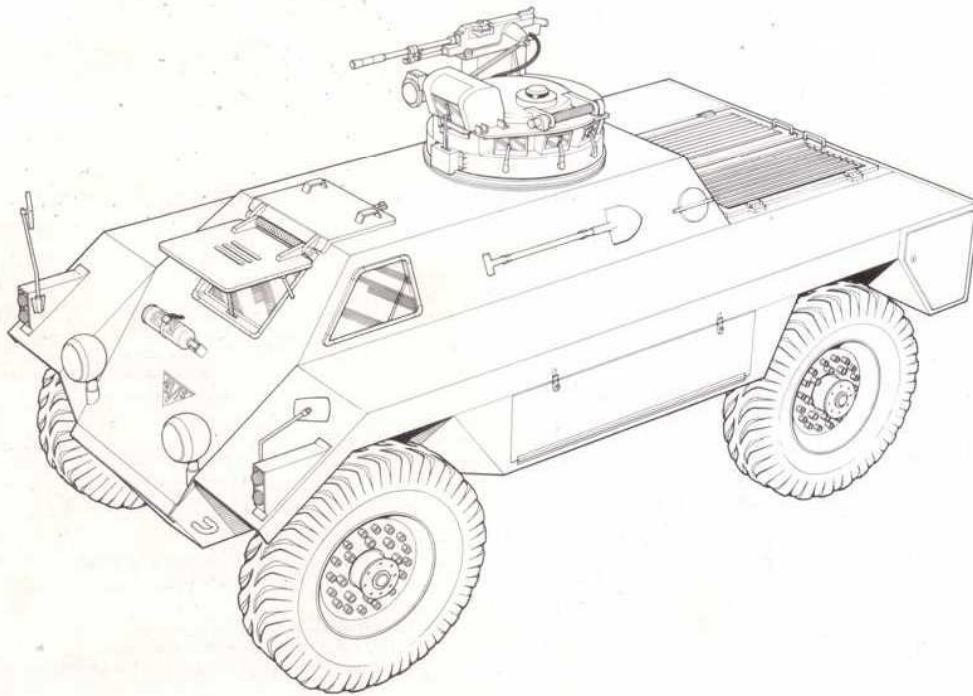




Scout Car
Reconnaissance

FERRET 80

- **LOW SILHOUETTE**
- **MULTI-ROLE**
- **HIGH MOBILITY**
- **ALUMINIUM ARMOUR**
- **DIESEL POWERED WITH
AUTO TRANSMISSION**
- **2 AND 3 MAN VARIANTS**



A New Light Reconnaissance Vehicle

Ferret 80 Scout Car Reconnaissance

In response to increasing demand for a new generation of light reconnaissance vehicles, Alvis is developing a range of armoured scout cars derived from the immensely successful Ferret. Over 4,400 of the original design were sold and 1,500 are still supported in service by Alvis today.

Designated Ferret 80, the range follows a similar concept to the original vehicle, but the new armoured aluminium superstructure incorporates proven automotive components and is offered in both two and three man variants.

The advent of smaller engines and improved transmissions permits the use of a Perkins diesel engine, with automatic transmission and power steering.

Reconnaissance, liaison, border control and internal security are just some of the roles for Ferret 80. By offering a range of turrets and cupolas Alvis can meet the precise requirements for each role; from the all round visibility of the No. 16 cupola to the fire power of the Helio 20mm turret.

Provision has been made for day/night optics and full NBC protection could be offered, if required.

Ferret 80 is a lightweight, low silhouette, multi-purpose scout and liaison vehicle, built to meet the needs of worldwide customers.

A pre-production vehicle will be available by December 1983.

OUTLINE SPECIFICATION:

Engine

Make..... Perkins T6-3544
Max. Power (Gross)..... 115.6kW (155 bhp) @ 2600 rev/min
Max. Torque (Gross)..... 498Nm (367 lbf ft) @ 1700 rev/min

Transmission

Gearbox..... Automatic with manual range change
Brakes..... Caliper disc

Suspension

Type..... Coil spring and wishbone linkage

Wheels

Type..... 11 X 20 - radial ply - run flat
Track Width..... 1.89m (74.5 in)
Wheel Base..... 2.72m (107 in)
Drive..... Four wheeled via two-speed transfer box with propeller shafts to bevel boxes at each wheel station.
Steering..... Power assisted, recirculating ball.

Cooling System

Type..... Air/water radiator plus air to air charge cooling.

General

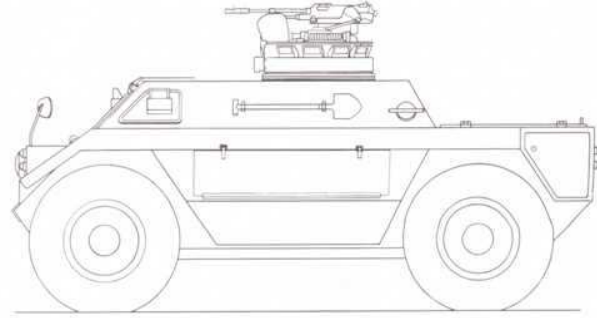
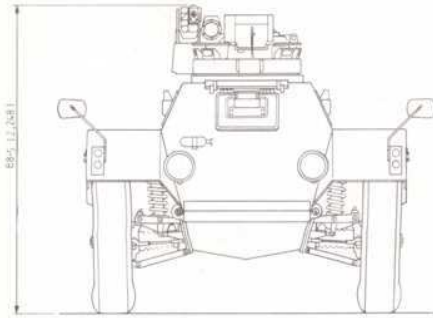
Weight..... 5 tonnes (basic 2 man version)
Max. Battle Weight..... 7 tonnes (with Helio 20mm turret)
Fording Depth..... 1.52m (60 in)

Accommodation

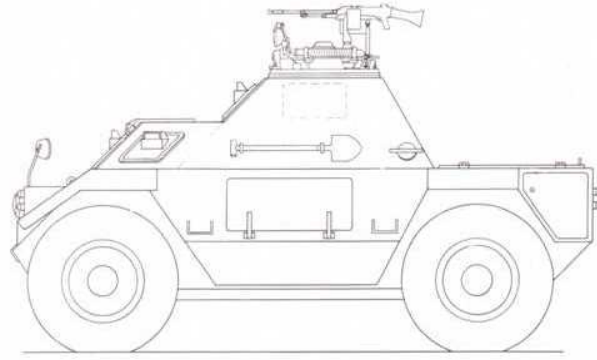
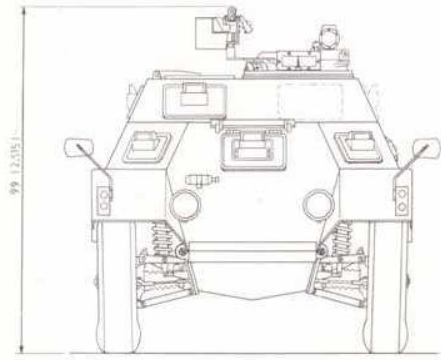
Driver and crew..... To comply with 95 percentile man in full Arctic clothing.

Ballistic Protection

7.62mm ball point blank at all attack angles
14.5mm ball at 1000 metres horizontal attack to 60° frontal arc

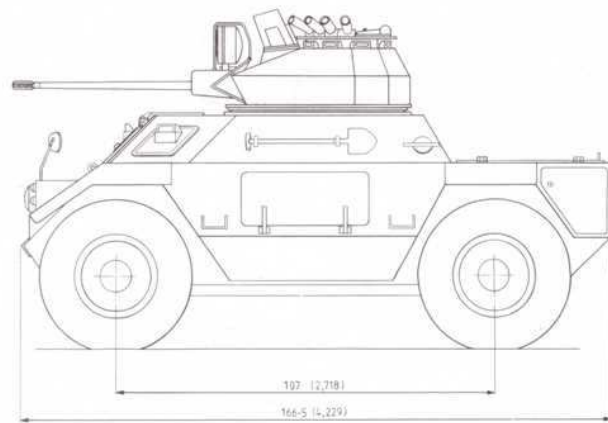
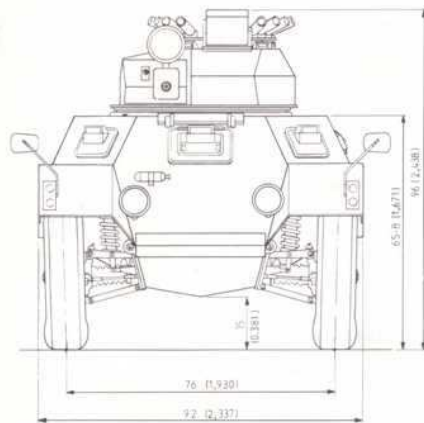


**BASELINE RECONNAISSANCE VEHICLE (2 CREW)
SHOWN WITH No. 16 CUPOLA (OPTIONAL CUPOLAS AVAILABLE)**



**BASELINE RECONNAISSANCE VEHICLE (3 CREW)
SHOWN WITH No. 27 CUPOLA AT COMMANDER'S STATION**

Ferret 80 Scout Car Reconnaissance



**BASELINE VEHICLE
SHOWN FITTED WITH HELIO FVT 900 TURRET
(20mm AUTOMATIC CANNON - 7.62mm CO AXIAL GPMG)**



The information contained in this leaflet is intended for descriptive purposes only and cannot be regarded as constituting the basis for a formal agreement or contract. The company reserves the right to change the specification and to issue modifications without reference. However, it is our intention to provide the best possible service to our customers both relating to the provision of new vehicles and to providing after sales service and spares support.

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