

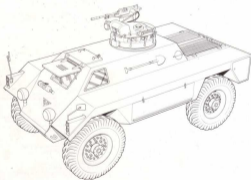


**ALVIS**

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

**Scout Car  
Reconnaissance**

**FERRET 80**



**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 fine power of the Hella 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)	115kW (155 bhp) @ 2800 rev/min
Max. Torque (Gross)	488Nm (357 ft lb) @ 1700 rev/min

### Transmission

Gearbox	Automatic with manual range change
Brakes	Caliper disc

### Suspension

Type	Coil spring and wishbone linkage
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### Wheels

Type	11 X 20 - radial ply - run flat
Track Width	1.88m (74.8 in)
Wheel Base	2.72m (1107 in)
Drive	Four wheel drive 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.
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### General

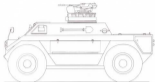
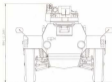
Weight	8 tonnes (Basic 2 man version)
Max. Battle Weight	7 tonnes (with Hella 20mm turret)
Fording Depth	1.52m (50 in)

### Accommodation

Driver and crew	To comply with 85 percent lean-in in full Arctic clothing.
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### Ballistic Protection

7.62mm ball point penetrates at all attack angles
14. Smm ball at 1000 metres penetrates at 60° frontal and

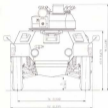


**BASILINE RECONNAISSANCE VEHICLE (2 CREW)  
SHOWN WITH M1 18 CUPOLA (OPTIONAL CUPOLAS AVAILABLE)**



**BASILINE RECONNAISSANCE VEHICLE (2 CREW)  
SHOWN WITH M1 27 CUPOLA AT COMMANDER'S STATION**

# Ferret 80 Scout Car Reconnaissance



**BASIC VEHICLE**  
SHOWN FITTED WITH HELIX PWT 800 TURRET  
(8000 AUTOMATIC CASSENO - 7 8000 - CO AXIAL DRIVE)



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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