

Early Shorland Armoured Patrol Car Sales Brochures

(From the collections of Dunsfold Land Rovers & Clive Elliott)

Mark 1

SHORLAND ARMoured PATROL CAR

APPROVED BY THE ROVER COMPANY LIMITED



The Shorland Armoured Patrol Car with Land-Rover performance and low cost meets the need of:—

- Mobile police forces
- Border patrols
- Internal security forces
- Reconnaissance units
- Para-military units



- Based on Land-Rover 109" wheelbase military chassis.
- Armour plated against small arms fire.
- Crew of three; driver, commander, and turret gunner.
- 360° rotation gun turret with mounting for .300" Browning machine gun.
- Observation and escape hatches.
- Suitable for operation in all climates.

SHORT BROTHERS & HARLAND LIMITED
QUEEN'S ISLAND . BELFAST . NORTHERN IRELAND

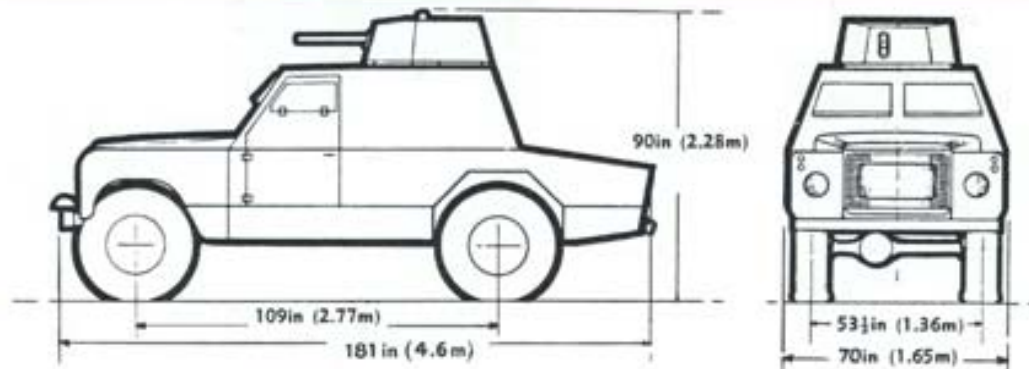
Please address enquiries to:

BERKELEY SQUARE HOUSE, BERKELEY SQUARE, LONDON W.1

Telephone: Mayfair 9451

Telegrams: Broshort

SPECIFICATION



FULLY
OPERATIONAL
WEIGHT
6,950 lb
3155 kgs

BODYWORK

Shell	Armour plated to withstand small arms fire.
Doors	Two, each fitted with hinged bullet-proof hatches.
Windscreen	Divided with bullet-proof drop-down visors.
Hatches	Observation and escape hatches fitted in doors, turret and rear of body.
Turret	Turret and gunner's seat rotate through 360°. Optical periscope sight and .300" Browning machine gun mounting. Armament not included in basic price of conversion.
Interior	Insulated with polyurethane foam faced with tough plastic sheeting.
Air conditioning	By means of a fresh air heater/cooler system, with an electric booster fan.
Optional extras	Smoke dischargers. Alternative gun mountings. Variety of radio installations. High capacity air extraction equipment (tropical use).

CHASSIS

Frame	Land-Rover 109" wheelbase, military type.
Engine	Rover 2½ litre petrol - 77 bhp.
Suspension	Heavy duty leaf spring plus Aeon hollow rubber helper springs and telescopic shock absorbers.
Brakes	11" (0.28m) dia. Servo assisted.
Tyres	9.00" x 16".
Turning circle	58½ ft (17.6m).
Maximum speed	50 mph (80 kph)
Fuel Capacity	Standard tank 14 Imp gall (63.6 litres). With long range tank 28 Imp gall (127.2 litres).

Shipping specification

Length	- 180½ in
Width	- 70 in
Height	- 90 in
Weight	- 6,200 lb

The Rover Company Limited is not responsible for the manufacture of approved equipment and/or bodywork, although they have closely examined specification and design. Matters concerning Sales (including Shipping, Delivery, etc.) Service or Warranty Claims are the responsibility of the manufacturer (whose name and address is given on this leaflet) or his agent. In cases of difficulty concerning approved equipment, the Special Projects Section of the Land Rover Engineering Department is available to offer advice.

LAND-ROVER EXTRAS REQUIRED - NIL

This conversion is supplied complete and detailed information on the specification should be obtained from the manufacturer.

Mark 2

LEAFLET No. 12/5/68

SHORLAND

ARMoured PATROL CAR MK 2



APPROVED BY THE ROVER COMPANY LIMITED



The Shorland Armoured Patrol Car is suitable for performing a wide variety of tasks at low initial and support cost within the role generally described as internal security:—

- Border Patrol.
- Reconnaissance.
- Convoy Escort.
- Mobile Police Duties.

Based on Land-Rover 109" wheel base military chassis.

An effective degree of protection against small arms fire and improvised ambush weapons, such as Molotov cocktails.

Crew of three, driver, commander and turret gunner.

360° rotation gun turret with mounting for .300" Browning or 7-62 mm General Purpose Machine Gun.

Observation and escape hatches.

Suitable for operation in all climates.



SHORT BROTHERS & HARLAND LIMITED
GENERAL ENGINEERING DIVISION · NEWTOWNARDS · NORTHERN IRELAND

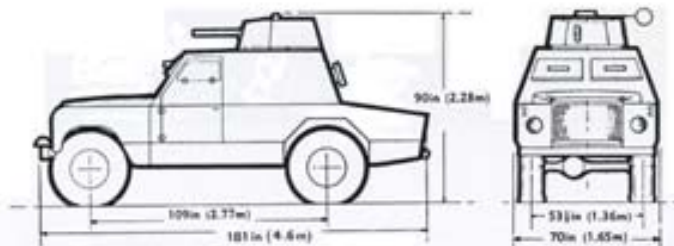
Please address enquiries to:

BERKELEY SQUARE HOUSE, BERKELEY SQUARE, LONDON W.1

Telephone: Mayfair 9451

Telegrams: Broshort

SPECIFICATION



FULLY
OPERATIONAL
WEIGHT
7400 lb.
3360 kgs.

BODYWORK

Shell	Constructed of Armoured Steel Plate to withstand random small arms fire.
Doors	Two accommodation doors, each fitted with a hinged observation hatch.
Hatches	Observation and escape hatches fitted in turret and rear of body each locked internally.
Windscreen	Divided and fitted with two wiper blades each side. Two drop down visors are provided, these have bullet resistant glass observation blocks.
Turret	Turret, which is fitted with an adjustable gunner's seat, rotates through 360°. Optical periscope sight, spot light and .300" Browning Machine Gun mounting with an elevation of +45° —15°.
Engine Compartment	Engine and Radiator are provided with an effective degree of protection by a louvred grille, side and top panels.
Interior	Insulated with polyurethane foam and faced with tough plastic covering.

CHASSIS

Frame	Land-Rover 109" wheelbase, Military Type.
Engine	Rover 2.25 litre 4 cyl. petrol—77 bhp or 2.6 litre 6 cyl. petrol—84 bhp.
Suspension	Heavy duty leaf springs and telescopic shock absorbers. Aeon hollow rubber spring assistors at rear.
Brakes	11" (0.28m) dia. Servo assisted.
Tyres	9.00" x 16".
Turning Circle	58½ ft. (17.6m) with standard tyres.
Max. speed	50 mph (80 kph) maximum
Fuel capacity	Standard tank 14 Imp. gall. (63.6 litres). Long Range tanks 28 Imp. gall. (127.2 litres).

Optional Extras:	Smoke Dischargers. Alternative gun mountings. Variety of radio installations. High capacity air extraction equipment (tropical use). Tear Gas Dischargers. Additional Fuel Tank (see Fuel capacity above). Sand Tyres.
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Shipping Specification	Length	181"	(4.6m)
	Width	70"	(1.65m)
	Height	90"	(2.28m)
	Weight	6450 lb.	(2941kg)

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All enquiries should be directed to Short Brothers & Harland Ltd.
Any Land Rover optional equipment or special features additional to the basic conversion should be specified when ordering.

Printed in England

Mark 3 Early Brochure

SHORTS

Shorland armoured patrol car mk 3



Law enforcement has become a hazardous task, and authorities are often faced with mobs only too willing to use sticks, stones, bottles and even small firearms. Violence of this kind does not justify the use of highly expensive fighting vehicles, but it has generated a requirement for a vehicle which is relatively lightly armoured and inexpensive. The Shorland armoured patrol car, designed and manufactured by Short Brothers and Harland, fills this requirement.

Specification

	Mk 3
Wheelbase	109in (2,77m)
Track	53½in (1,36m)
Overall length	181in (4,6m)
Overall width	70in (1,78m) including fittings
Overall height	90 (2,29m)
Turning circle	58ft 3in (17,75m)
Fuel capacity	14 Imperial gallons (64 litres); with long-range tank fitted – 28 Imperial gallons (128 litres)
Engine type	Rover petrol
Chassis	Land-Rover 109in frame with improved departure angle
Gears	8 forward, 2 reverse using transfer box
Electrical equipment	12v negative earth 57AH battery capacity
Brakes	Land-Rover 11in dia (0,28 metres) fitted with servo assisted brakes
Suspension	Heavy duty semi-elliptical leaf springs with telescopic shock absorbers and anti-roll bars front and rear
Tyres	9.00 x 16
Steering (RH or LH)	Recirculating ball, worm and nut variable ratio, from 15.6 : 1 straight ahead to 23.8 : 1 on full lock

Performance Data

	Mk 3
Weight	Kerb weight 6,450lb (2931kg), Operation weight including crew (3 @ 180lb) 7,400lb (3360kg)
Engine size	160.3cu in (2625cc)
No. of cylinders	6
Gross bhp	91bhp at 4,500rpm
Maximum torque	130lb/ft (17.9mkg) at 1,750rpm
Maximum speed (average)	Road 55mph (88.4km/h), Cross-country 30mph (48.28m/h)
Range of action (At average operating speed)	Standard tank 160 miles (257.2km) Long-range tanks 320 miles (514.4km)
Gross power weight ratio	28.75hp/ton
Maximum tractive effort in low gear	1,172lb/ton
Maximum climbing ability	1 in 1.7
Maximum gradient for stop and restart	1 in 1.7

SHORTS

Queen's Island, Belfast BT3 9DZ, N. Ireland
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London Office: Berkeley Square House, Berkeley Square
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Telex: 24393 Telegrams: Broshort.

SHORLAND

armoured patrol car



In the prevailing international climate of social upheaval law enforcement is becoming an increasingly hazardous task. Security forces in many parts of the world are frequently the targets of mobs and terrorist groups whose weapons range from stones and petrol bombs to sophisticated firearms and mines.

While violence of this nature does not justify the use of sophisticated fighting vehicles it has generated the requirement for a robust, inexpensive armoured vehicle which can provide crew protection and retaliatory power. The Shorland armoured patrol car has been designed by Shorts of Belfast specifically to meet this requirement. It is now the standard internal security vehicle in many law enforcement organisations and has repeatedly proved its worth under the most arduous conditions in countries throughout the world.

SHORTS

mk.3

Specification

Wheelbase	2,77m (109in)
Track	1,36m (53½in)
Overall length	4,6m (181in)
Overall width	1,78m (70in) including fittings
Overall height	2,29m (90in)
Turning circle	17,75m (58ft 3in)
Fuel capacity	64 litres (14 Imperial gallons); with long-range tank fitted – 128 litres (28 Imperial gallons)
Engine type	Rover petrol
Chassis	Land Rover 2,77m (109in) frame with improved departure angle
Gears	8 forward, 2 reverse using transfer box
Electrical equipment	12v negative earth 57AH battery capacity
Brakes	Land Rover 0,28m (11in) dia. fitted with servo assisted brakes
Suspension	Heavy duty semi-elliptical leaf springs with telescopic shock absorbers and anti-roll bars front and rear
Tyres	9.00 x 16
Steering (RH or LH)	Recirculating ball, worm and nut variable ratio, from 15.6 : 1 straight ahead to 23.8 : 1 on full lock

Performance Data

Weight	Kerb weight 2931kg (6,450lb), Operation weight including crew [3 @ 81.64kg (180lb)] 3360kg (7,400lb)
Engine size	2625cc (160.3cu in)
No. of cylinders	6
Gross bhp	91bhp at 4,500rpm
Maximum torque	17.9mkg (130lb/ft) at 1,750rpm
Maximum speed (average)	Road 88.4km/h (55mph), Cross-country 48.28km/h (30mph)
Range of action (At average operating speed)	Standard tank 257.2km (160 miles) Long-range tanks 514.4km (320 miles)
Gross power weight ratio	28.75hp/ton
Maximum tractive effort in low gear	1,172lb/ton
Maximum climbing ability	1 in 1.7
Maximum gradient for stop and restart	1 in 1.7

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