



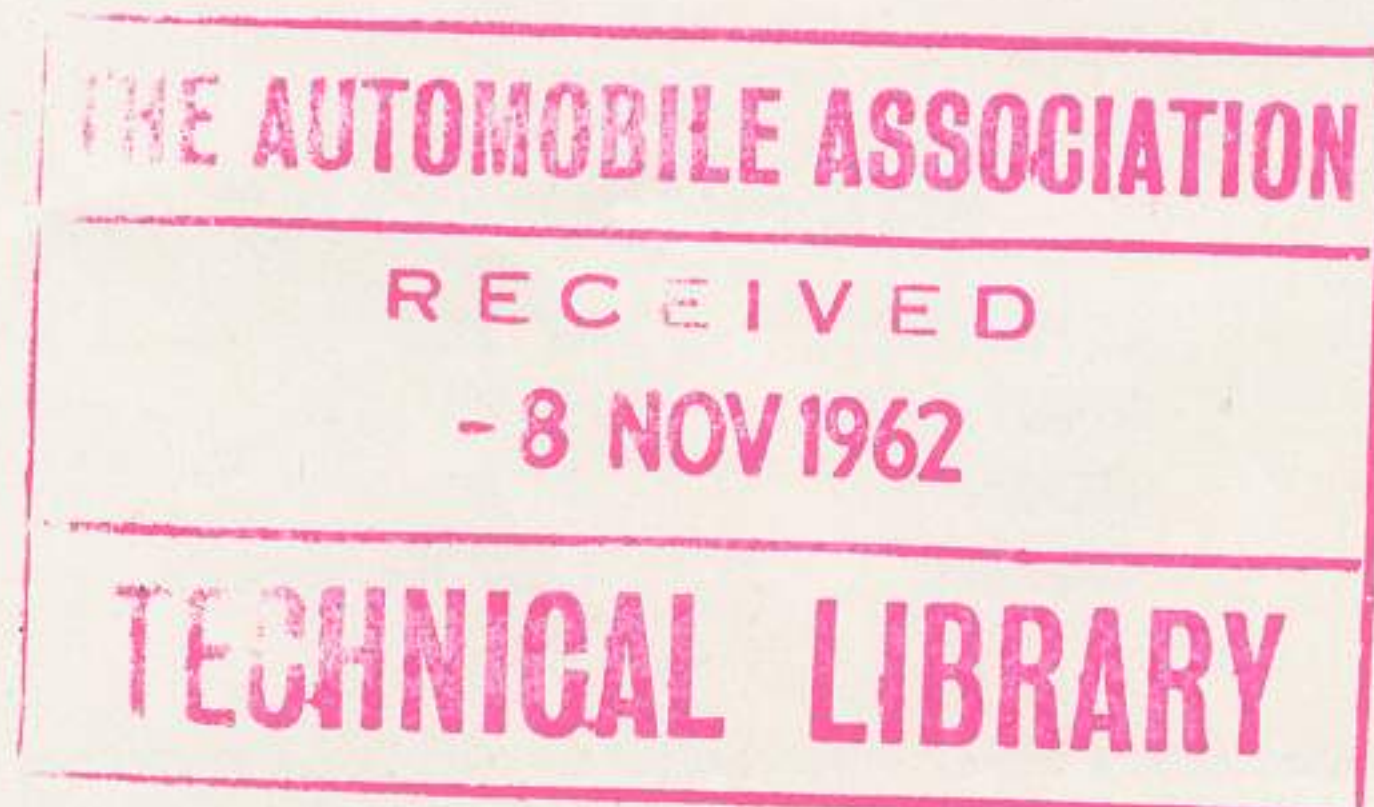
# THE REDWING FT/6 FIRE APPLIANCE

As approved by  
The ROVER CO. LTD.



*Threequarter Front View*

- Based on the 109" Land-Rover chassis converted to Forward Control by Carmichael & Sons (Worcester) Ltd.
- Seating for crew of four.
- Choice of Fire Pumps
- 140 gallon Water Tank.
- Fully enclosed Crew and Equipment Space.
- Fibreglass Roof, Waterproof, Rustproof.
- Four-door Cab for ease of entry and exit.
- Conversion makes the maximum use of Standard Land-Rover parts.



**CARMICHAEL & SONS (Worcester) LIMITED**



# THE REDWING . . . FT/6 FORWARD CONTROL FIRE APPLIANCE SPECIFICATION

## ERRATUM

K.S.B. Pump Capacity should read : —  
350 g.p.m. and not as stated.

## APPLIANCE

**BODYWORK.** All aluminium body with full length fibreglass roof. Body sides fitted with drop down shutters. Rear enclosed by roller shutter.

**PUMPS.** Alternative pumps are mounted in the same position immediately behind the driving compartment.

**PUMP A.** K.S.B., 380 g.p.m. centrifugal two-stage with inbuilt water ring primer.

**PUMP B.** Coventry Climax 300/350 g.p.m. centrifugal with automatic water ring primer.

**TANK.** 140 gallon capacity, baffled and mounted at rear of appliance. Hydrant filler provided also water level indicator adjacent to hydrant connection.

**HOSE-REEL.** Mounted above tank, containing 120' x  $\frac{3}{4}$ " hose, fitted with shut-off nozzle. Isolating valve fitted to shut-off reel from pump. 180' of hose can be supplied if required.

**STOWAGE.** Two 8' or 10' lengths of 4" suction hose and a light alloy ladder may be carried on the roof. Up to twelve 75' lengths of  $2\frac{1}{2}$ " delivery hose may be carried in the rear hose racks. There is space for additional equipment behind the rear crew seats.

**CREW ACCOMMODATION.** Seating for 4 crew, 2 in front and 2 behind, with 4 door cab for ease of entry and exit.

**FINISH.** Painted red, all stucco aluminium left in natural finish. All external steel fittings heavily galvanised.

**EXTRA EQUIPMENT.** Twin flashing lights are fitted to the roof as standard. Siren, bell, etc., available at extra cost. Details and prices by request.

## SHIPPING DETAILS

LENGTH	16' 3"
WIDTH	5' 4"
HEIGHT	7' 4"
WEIGHT	4,557 lbs. approx.

## CHASSIS

**CHASSIS.** Welded fabricated box section with box section cross members, providing great torsional and diagonal rigidity. The body is mounted on outriggers welded to side members. The front forward control extension is fabricated in the same manner as the main chassis. Special front and rear springs and shock absorbers are fitted. Four wheel drive is provided, automatically selected when transfer box low ratio is engaged. Drive to front axle optional with high ratio engaged ; this is selected by an independent lever.

**POWER UNIT.** Four cylinders. Overhead inlet and exhaust valves. Bore 90.49 mm. (3.562 in.), stroke 88.9 mm. (3.5 in.), capacity, 2.286 c.c. (139.5 cu. in.). Maximum B.H.P. 77 at 4,250 r.p.m. Maximum torque 124 lb. ft. (17 mKg.) at 2,500 r.p.m. Compression ratio 7 to 1. Cylinders cast integral with crankcase. Detachable cast iron cylinder head carrying all valve gear. Forged steel 3-bearing crankshaft fully balanced and counterweighted. Copper-lead main and big-end bearings. A distributor cut-out limits the engine speed to 4,200 r.p.m.

**GEARS.** Four forward speeds and reverse. Two-speed transfer box in conjunction with main gearbox gives eight forward speeds and two reverse.

**CLUTCH.** Single dry plate, 9" diameter, hydraulically operated by pendant pedal.

**BRAKES.** Hydraulically operated foot brakes requiring light pressure on the pendant pedal. Two leading shoe brakes on front wheels. Mechanically actuated handbrake operates on transmission shaft to rear axle.

**TYRE SIZE.** 750 x 16. T29A Dunlop Trackgrip.

**COOLING SYSTEM.** By pump and fan, thermostatically controlled. Capacity  $17\frac{1}{2}$  pints (9.95 litres). Pressurised.

**ADDITIONAL COOLING** is provided by an oil cooler working in conjunction with the fire pump enabling long periods of pumping to be maintained.

**ELECTRICAL SYSTEM.** Lucas 12 volt. Coil ignition.

**FUEL SYSTEM.** 10-gallon (45 litres) tank with external filler at side of body. Solex down-draught carburettor with oil bath type air cleaner and silencer and integral centrifugal pre-cleaner. Mechanical pump and sediment bowl with gauze filter.

*The Rover Company are not responsible for the manufacture of approved equipment and/or body work, although they have closely examined specification and design.*

*Matters concerning Sales (including Shipping, Delivery, etc.), Service of Warrantee 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 Project Section of the Land-Rover Engineering Department is available to offer advice.*

*The information contained in this leaflet is correct at the date of publication, but is subject to alteration without notice.*

ALL ENQUIRIES SHOULD BE ADDRESSED TO  
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