

ARMY CODE
22260

AIR PUBLICATION
5046A(UH)

TRUCK, GENERAL SERVICE, 1 TONNE, 4x4, ROVER
TRUCK, GENERAL SERVICE, FFR, 1 TONNE, 4x4, ROVER

ISSUED JANUARY 1975

Amendment List No.3

February 1977

NEW PAGES

Remove and replace pages:-

153-154 and 173-174

AMENDMENT RECORD

Record the incorporation
of this amendment on the
Amendment Record Sheet

User Servicing and Adjustments

Tool stowage

291. Small tools are carried in lockers above the rear wheel arch accessible from the outside.

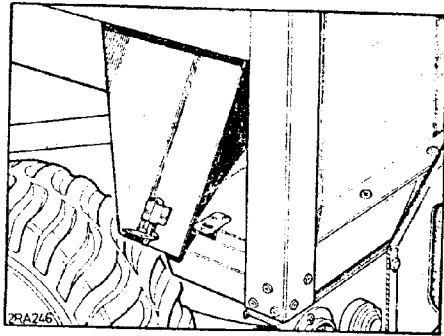


Fig. 129
Tool locker

Jerrycan stowage

291a. The jerrycan holder, hinged at the rear for easy access with an 'over-centre' locking clamp facing forward and a padlock tongue, is situated below the left side rear body adjacent to the Powered Winch (if fitted). A turn-button, placed above the locking clamp, retains the clamp in the event of the clamp springing open. If it is difficult to snap over the locking clamp by hand, light downward pressure applied by the toe of a boot is permissible.

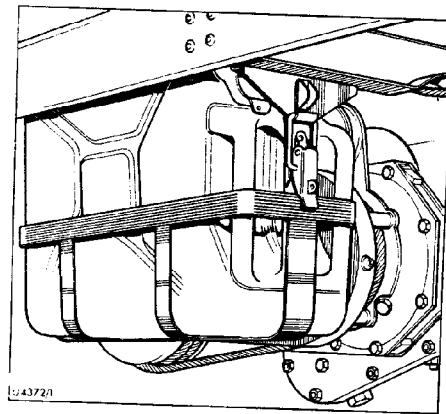


Fig 129a
Jerrycan stowage

Windscreen

292. Provision is made for removing the windscreen as follows:

Remove the hood cleats from the windscreen top rail. Remove the bolts at the bottom corners of the windscreen from the inside and external support brackets and remove the windscreen.

The windscreen wiper arms are spring-loaded and fold outwards.

Windscreen wiper arm and blade replacement

293. To replace a windscreen wiper blade, pull arm away from windscreen and rotate blade off end of arm. See Fig 131.

Refit by reversing removal procedure.

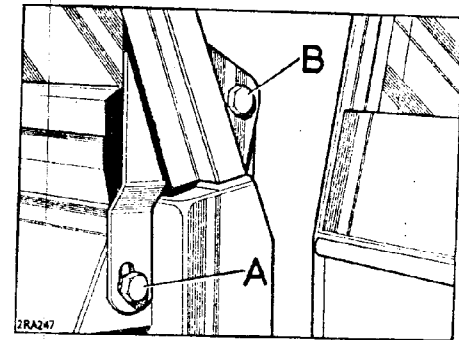


Fig. 130
Windscreen fixing bolts

A—Bolt, internal
B—Bolt, external

III

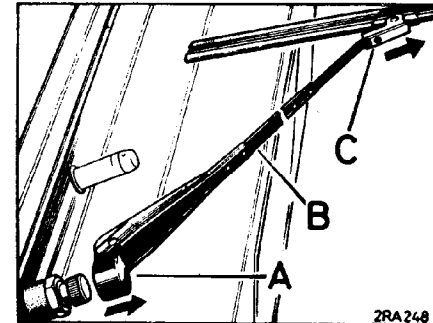
User Servicing and Adjustments

294. To replace windscreen wiper blade and arm, pull arm away from windscreen and until it is almost at right angles with the screen. Then lever complete unit off the splines of wiper spindle, using a screwdriver.

To refit, position arm on spindle and push on to splines.

Fig. 131
Wiper blade and arm

- A—Remove complete assembly by pulling in direction of arrow
- B—Wiper arm pulled forward
- C—Remove blade by pulling in direction of arrow



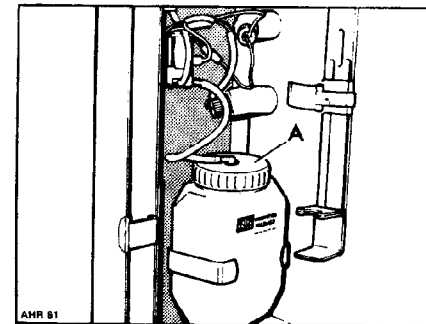
Windscreen washer

295. Ensure that the windscreen washer reservoir is topped up. Unscrew cap to top up.

Where the ambient temperature is frequently at or below freezing point, 0°C (32 F), the system must be prevented from frost damage as follows: completely empty the reservoir and system and refill with a mixture of one part water to one part methylated spirits or Isopropyl Alcohol. These proportions must be maintained whenever the reservoir is topped up.

Fig. 132
Windscreen washer reservoir

- A—Filler cap



SECTION V

Optional Equipment

12 VOLT AND 24 VOLT MODELS

Some of the optional equipment which may be fitted to the Land Rover 1 Tonne may need some explanation concerning its use. These details are given on the pages that follow under the appropriate headings.

POWERED WINCH

Description

314. The winch is mounted on the left-hand chassis side member and is driven from a bottom power take-off unit fitted to the underside of the transfer gearbox. A multi pulley arrangement provides two alternative routes for the winch cable, giving a front or rear pull capability. A slipping clutch is incorporated to prevent overloading.

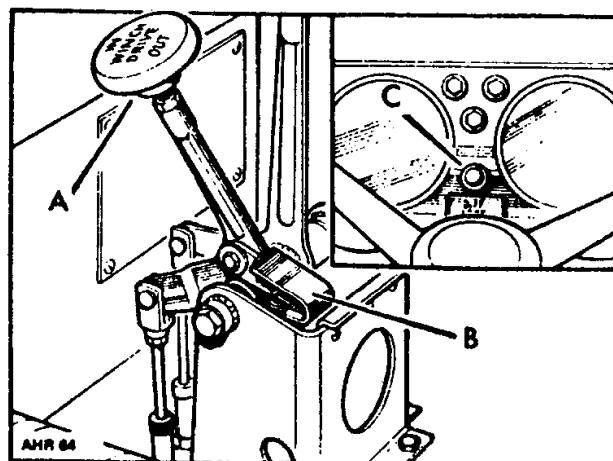
- ▲ **314a.** The winch rope 'Limit of Extension' is marked by the application of red paint. This mark is approximately 56 metres (185 feet) from the towing hook. When this mark is 1 metre (3 feet) outside the front pulley - paying out should cease - leaving 1 complete rope lay on the drum.

Operation

315. The winch is controlled from the driving compartment by the lever with the green knob, mounted on the top of the radiator ducting. The lever incorporates a safety catch to prevent accidental engagement of the winch drive; there is also a white warning light fitted in the instrument panel that illuminates when the winch drive is engaged and is extinguished when the drive is disengaged.

Fig. 145
Winch control lever and
warning light

- A—Winch control lever
B—Lever safety catch
C—Warning light



V**Optional Equipment**

All normal winching should be carried out with the transfer gear lever in the 'Neutral' position but, if the circumstances demand, it is permissible to winch and drive simultaneously in either 'Low' or 'High' transfer.

Any gear in the main gearbox may be selected for winching, giving four winching-in and one pay-out cable speeds relative to engine rev/min. The following chart provides a guide to the cable speeds obtainable in the specified gear at 1000 engine rev/min.

<i>Gear</i>		<i>Metres/min</i>	<i>ft/min</i>
Reverse	{ cable pay out	7.30	24
1	{ cable winching in	6.60	21
2		10.87	36
3		17.81	58
4		26.76	88

Operate the winch as follows:

- (i) Position the vehicle in line with the object to be recovered, or in the case of self-recovery the end of the cable should be anchored in line with the vehicle.
- (ii) Place the transfer gear lever in the 'NEUTRAL' position.
- (iii) Place the main gear lever in the 'neutral' position.
- (iv) Start the engine.
- (v) Lift the safety catch and move the winch control lever to the 'IN' position.
- (vi) Engage the required gear in the main gearbox, the winch will then commence operation when the clutch is released.
- ◀ (vii) The winch must only be stopped when under 'load' conditions by switching the ignition switch 'OFF' and stopping the engine. The vehicle clutch, gear lever and winch control lever must not be disengaged until the load, self-recovery or other object – is safely checked, secured or removed. ▶
- (viii) After completion of the winching operation, rewind the remaining cable under light load to ensure even distribution on the drum, then move the main gear lever to the 'neutral' position and the winch control lever to the 'OUT' position.
- (ix) Stop the engine, as required.

Lubrication

316. Lubricate the winch driving chain and cable assembly as necessary after use, also at the recommended intervals using approved lubricants.

Winch drive gearbox and chain

317. Remove the oil level plug from the winch drive gearbox casing; oil should be level with the bottom of the plug hole, top up if necessary and replace plug.

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