

Crown Copyright Reserved

RESTRICTED

The information given in this document is not to be communicated, either directly or indirectly, to the Press or to any person not authorized to receive it.

RA 847
WO
CODE NO.

9789

26/GS Trg Publications/2629

CREW DUTY CARD

SCOUT CAR, FERRET Mk 1 and 2

1962

This card is designed for use by trained personnel as a reminder of the daily duties required of them. For weekly, monthly and mileage servicing see User Handbook for Scout Car Ferret Mk 1 and 2, 1957 (WO Code No. 12174).

*Prepared under the direction of
The Chief of the Imperial General Staff.*

THE WAR OFFICE,
AUGUST, 1962.

CONDITIONS OF RELEASE

(Applicable to copies supplied with War Office approval to Commonwealth and Foreign Governments).

1. This document contains classified UK information.
2. This information is disclosed only for official use by the recipient Government and (if so agreed by HM Government) such of its contractors, under seal of secrecy, as may be engaged on a defence project. Disclosure or release to any other Government, national of another country, any unauthorized person, the Press, or in any other way would be a breach of the conditions under which the document is issued.
3. This information will be safeguarded under rules designed to give the same standard of security as that maintained by HM Government in the United Kingdom.

AMENDMENTS

It is essential that this publication be kept up-to-date with all amendments. Immediately an amendment is inserted particulars must be entered hereunder.

Amendment Number	By whom inserted	Date of insertion

DISTRIBUTION

(See Catalogue of War Office Publications, Part II)

Regular and TA RAC units armed with the equipment Scale F
RAC Centre 30 copies
RAC Training Brigade 30 copies

RESTRICTED CREW DUTY CARD

for

SCOUT CAR, FERRET Mk 1 and 2

CONTENTS

	Page
PART I. FERRET Mk 1 (Liaison)	
Driver/Signaller	4
PART II. FERRET Mk 2 (Reconnaissance)	
Commander/Signaller	7
Driver	8
PART III. SERVICING ARMAMENT BEFORE, DURING AND AFTER FIRING	
Before firing	11
During a lull in firing	11
After firing	12

PART I

FERRRET MK 1 (LIAISON)

DRIVER/SIGNALLER

Note: On vehicles which carry a separate signaller, he will carry out the duties in sub-paras (s) and (t) of First Parade and sub-paras (c), (p) and (q) of Last Parade.

FIRST PARADE

- Ref to Ref (a) Check fire extinguishers.
- STARTING
- (a) Check fuel, oil and coolant levels.
 - (b) In cold weather turn engine a few times by hand.
 - (c) Turn fuel tap to main supply.
 - (d) Fully depress and release gear change pedal six times in each gear. Select and engage neutral.
 - (e) Check transfer box lever in required position.
 - (f) Check hand throttle control screwed fully clockwise.
 - (g) Set starter carburettor control.
 - (h) Switch on ignition and check warning lights.
 - (i) Start engine.
 - (j) Check that warning lights go out.
 - (k) Set warming up speed at 800 to 1,000 rpm.
 - (l) Check engine compartment for leaks.
 - (m) Check external lights.
 - (n) Stop engine when warm, (130°F or above). Re-check oil level and top up if necessary.
 - (o) Check tyre pressures.
- OFF

DRIVER/SIGNALLER—cont'd

- (q) Check under vehicle for leaks and faults.
- (r) Check driver's hatch, flap, windscreen and periscopes.
- (s) Carry out "opening up" drills for radio installation. Check vehicle correctly stowed.
- (t) If firing expected, carry out "Servicing before Firing" on MG and machine carbine (see page 11).
- (u) Test brakes and steering on moving off and again at 20 mph.

STOP MOVING

HALTS ON THE MARCH

First halt

- (a) Check hubs and brake drums for overheating.
- (b) Quick check of engine compartment.
- (c) Check components refilled on Last Parade.
- (d) Check stowage.

20-minute halt

- (a) Check hubs and brake drums for overheating.
- (b) Inspect tyres, remove stones, oil and grease.
- (c) Inspect suspensions and steering linkages.
- (d) Inspect engine compartment.
- (e) Check stowage.

Long halt

- (a) As for 20-minute halt.
- (b) Check fuel, oil and coolant levels.

DRIVER/SIGNALLER—*cont'd*

LAST PARADE

- (a) Draw and replenish fuel, oil and ammunition.
- (b) Replenish fuel and engine oil, including spare cans.
- (c) Stow ammunition.
- (d) Clean engine compartment, and check for leaks.
- (e) If operating in dusty conditions, inspect air cleaner; wash element and change oil if necessary.
- (f) Check external lights.
- (g) Inspect suspension springs, links and bumper pads for damage, and transmission gaiters for oil leaks and breaks. Examine steering linkage for damage.
- (h) Inspect tyres. Remove embedded stones and wipe off oil and grease.
- (j) Inspect security of road wheel nuts.
- (k) Clean driving mirrors.
- (l) Clean periscopes, driver's screen and edge of flaps (oil hinges if necessary).
- (m) Check free travel of gear change pedal and brake pedal.
- (n) Clean driver's compartment.
- (o) When engine is cool, check coolant level and top up if necessary.
- (p) Carry out "closing down" drills on harness and radio sets.
- (q) If weapons have fired, carry out "Servicing after Firing" (see page 12). If weapons have not fired, dry clean and re-oil bores. Stow guns.
- (r) Carry out any mileage servicing that may be due.
- (s) Check, clean and stow tools.
- (t) Complete record sheet in AB 413.
- (u) Before leaving vehicle, engage lowest gear in gearbox, engage drive in transfer box and fully apply handbrake.
- (v) Check vehicle correctly stowed.
- (w) Report vehicle state.

PART II FERRET MK 2 (RECONNAISSANCE) COMMANDER/SIGNALLER

FIRST PARADE

- X (a) Check fire extinguishers.
- (b) Carry out "opening up" drills for radio installations.
- (c) Check elevation, depression and traverse of MG.
- (d) Check that periscopes and side visors are clean and undamaged.
- (e) If firing expected, carry out "Servicing before Firing" (see page 11).
- X (f) Check operation of rear observation flaps, turret flaps and emergency escape hatches.
- X (g) Check vehicle correctly stowed.

HALTS ON THE MARCH

At all halts

- (a) Check radio sets still on net.
- (b) Check internal stowage.
- (c) If not on radio watch, assist driver.

LAST PARADE

- (a) Supervise and assist in replenishment of fuel, oil and ammunition.
- (b) Detail servicing tasks to be carried out.
- (c) Carry out "closing down" drill on harness and radio sets.
- (d) If weapons have fired, carry out "Servicing after Firing" (see page 12).
- (e) If weapons have not fired, dry clean and re-oil bores.
- (f) Check and clean splash screen and side visors.
- (g) Clean crew compartment and lubricate seat as necessary.
- (h) Check vehicle correctly stowed.
- (j) Assist driver as necessary.
- (k) Complete record sheet in AB 413.
- (l) Report vehicle and crew state.

DRIVER

FIRST PARADE

DRIVER'S

STARTING

LEAVES

- (a) Check fuel, oil and coolant levels. — LEAVES.
- (b) In cold weather turn engine a few times by hand.
- (c) Turn fuel tap to main supply.
- (d) Fully depress and release gear change pedal six times in each gear. Select and engage neutral.
- (e) Check transfer box lever in required position.
- (f) Check hand throttle control screwed fully clockwise.
- (g) Set starter carburettor control.
- (h) Switch on ignition and check warning lights.
- (i) Start engine.
- (j) Check that warning lights go out.
- (k) Set warning up speed at 800 to 1,000 rpm.
- (l) Check engine compartment for leaks.
- (m) Check external lights.
- (n) Stop engine when warm, (130°F or above). Re-check oil level and top up if necessary.
- (o) Check tyre pressures.
- (p) Check under vehicle for leaks and faults.
- (q) Check driver's hatch, flap, windscreen and periscopes.
- (r) Assist crew as necessary.
- (s) Test brakes and steering on moving off and again at 20 mph.

HALTS ON THE MARCH

First halt

- (a) Check hubs and brake drums for overheating.
- (b) Quick check of engine compartment.
- (c) Check components refilled on Last Parade.
- (d) Check external storage.

DRIVER—cont'd

20-minute halt

- (a) Check hubs and brake drums for overheating.
- (b) Inspect tyres, remove stones, oil and grease.
- (c) Inspect suspensions and steering linkages.
- (d) Inspect engine compartment.
- (e) Check external storage.

Long halt

- (a) As for 20-minute halt.
- (b) Check fuel, oil and coolant levels.

LAST PARADE

- (a) Assist in drawing and replenishing fuel, oil and ammunition.
- (b) Replenish fuel and engine oil, including spare cans.
- (c) Assist in stowing ammunition.
- (d) Clean engine compartment, and check for leaks.
- (e) If operating in dusty conditions, inspect air cleaner; wash element and change oil if necessary.
- (f) Check external lights.
- (g) Inspect suspension springs, links and bumper pads for damage, and transmission gaiters for oil leaks and breaks. Examine steering linkage for damage.
- (h) Inspect tyres. Remove embedded stones and wipe off oil and grease.
- (i) Inspect security of road wheel nuts.
- (k) Clean driving mirrors.

DRIVER—*cont'd*

- (l) Clean periscopes, driver's screen and edge of flaps (oil hinges if necessary).
- (m) Check free travel of gear change pedal and brake pedal.
- (n) Clean driver's compartment.
- (o) When engine is cool, check coolant level and top up if necessary.
- (p) Check, clean and stow tools.
- (q) Assist with other crew duties as necessary.
- (r) Before leaving vehicle, engage lowest gear in gearbox, engage drive in transfer box and fully apply handbrake.

PART III

SERVICING ARMAMENT, BEFORE, DURING AND AFTER FIRING (FERRET Mk 1 and 2)

BEFORE FIRING

- (a) Dry clean bores and gas affected parts of MG and machine carbine. Lubricate working parts and test action.
- (b) Mount MG and test operation of mounting. Check sight. Slow machine carbine.
- (c) Dry clean bore of signal pistol.
- (d) Examine and, if necessary, prime grenades No. 36M.
- (e) Dry clean and examine smoke grenade dischargers. Fit grenades.
- (f) Lock MG, and turret if fitted, in travelling position.
- (g) Check condition and accessibility of ammunition.

DURING A LULL IN FIRING

- (a) Clean vision devices and replace damaged periscopes.
- (b) Re-load smoke grenade dischargers if necessary.
- (c) Ensure that visors are clear. Replace damaged splash screens if necessary.
- (d) Clean and examine MG breech block and check action of firing-pin. Oil working parts.
- (e) Check ammunition, stow empty magazines and jettison empty cases.

SERVICING ARMAMENT BEFORE, DURING AND AFTER FIRING—*cont'd*

AFTER FIRING

Immediately after

- (a) Dry clean and oil bore of MG, and machine carbine if used. Replace covers.
- (b) Jettison empty cases and belts.
- (c) Lock turret in travelling position, if fitted.
- (d) Replenish ready supply of ammunition and calculate deficiencies.
- (e) Dry clean and oil smoke grenade dischargers.
- (f) Stow machine carbine.

On return to camp or harbour

- (a) Strip, dry clean and examine MG, and machine carbine if used, with special attention to gas affected parts.
- (b) Dry clean and examine bores.
- (c) Re-oil and re-assemble.
- (d) Stow or remove ammunition as ordered.
- (e) Replace safety-pins in ALL unfired grenades in dischargers and remove grenades. Remove F103 fuzes. Clean barrels and replace covers.
- (f) Dry clean and re-oil MG tripod.
- (g) Dry clean, inspect and re-oil signal pistol.
- (h) Stow or remove ammunition as ordered.
- (j) Exchange unserviceable spare parts.
- (k) Lock MG, and turret if fitted, in travelling position.

RESTRICTED