

Chap.3

VAMPIRE T.11

A.P.4099J Vol.5
Pt.1 Bk.2 Sect.1 (2nd. Ed.)

SERVICING NOTES

List of Contents									Cards
All Trades	...	...	...	...	...	...	...	...	1 - 4
Airframe	...	...	...	...	...	...	...	...	5
Armament	...	...	...	...	...	...	...	...	6
Electrical	...	...	...	...	...	...	...	...	7
Engines	...	...	...	...	...	...	...	...	8
Instruments (Gen.)		...	...	...	...	...	...	...	9
Radar	...	...	...	...	...	...	...	...	10
Wireless	...	...	...	...	...	...	...	...	11

1. Glossary. The servicing operations detailed in all parts of this schedule have the meaning given in the Concise Oxford Dictionary except for the following:-

- (a) Inspect. Review the work carried out by tradesmen to ensure it has been performed satisfactorily.
- (b) Check. Make a comparison of a measurement of time, pressure, temperature, resistance, dimension or other quantity with a known figure for that measurement.
- (c) Test. Ascertain, by using the appropriate test equipment, that a component or system functions correctly.
- (d) Examine. Carry out a survey of the condition of an item. For example, the condition of an item can be impaired by one or more of the following:-
 - (i) Insecurity of attachment.
 - (ii) Cracks or fractures.
 - (iii) Corrosion, contamination or deterioration.
 - (iv) Distortion.
 - (v) Loose or missing rivets.
 - (vi) Chafing, fraying, scoring or wear.
 - (vii) Faulty or broken locking devices.
 - (viii) Loose clips or packing, obstruction of, or leaks from, pipelines.

1. (Contd.)
 - (ix) External damage due to birds, vehicles, stones, winds etc.
 - (x) Discolouration due to overheating, or leaking of fluids.
 - (e) Operate. Ensure an item or system functions correctly, as far as can be ascertained without the use of test equipment or reference to measurements.
 - (f) Replenish. Refill a tank, bottle, or other container to a predetermined level, pressure or quantity, and where necessary:-
 - (i) Remove caps or covers from filler orifices and/or drains.
 - (ii) Clear orifices.
 - (iii) Fill container as directed in item operation.
 - (iv) Ensure drains are free from obstruction.
 - (v) Ensure gaskets and caps or covers are free from damage.
 - (vi) Refit caps or covers.
 - (vii) Fit locking devices as necessary.
 - (g) Fit. Correctly attach one item to another.
 - (h) Refit. Fit an item which has been previously removed.
 - (j) Replace. Remove an item and fit new or serviced item.
 - (k) Disconnect. Uncouple or detach cables, pipelines or controls.
 - (l) Reconnect. Reverse of sub-para.(k).
2. F.700. The F.700 is to be scrutinized for 'Out of Phase' servicing requirements and defect reports before commencing any scheduled servicing.
3. General Supervision. N.C.O.s are responsible for general supervision during servicing.
4. Airframe Structure, Internal and External. N.C.O.s are to carry out a survey for corrosion, paying particular attention to areas from which panels or components have been removed.

(Continued)

Chap 3 ALL TRADES
Card 2
A.L.9

SERVICING NOTES
VAMPIRE T.11

A.P.4099J Vol 5
Pt 1 Bk 2 Sect 1 (2nd Ed)

5. Aircraft Controls. The trade N.C.O. is to be informed whenever aircraft controls are disturbed. This N.C.O. is to arrange for a S.N.C.O.'s independent check to be carried out in accordance with A.P.3158, Volume 2, Leaflet B.28.
6. Engine Controls. The trade N.C.O. is to be informed whenever engine controls are disturbed. This N.C.O. is to arrange for a S.N.C.O.s independent check to be carried out in accordance with A.P.3158, Volume 2, Leaflet B.28.
7. Reconnexion and Locking of Items. The trade N.C.O. is to inspect security, correct assembly and locking of all reconnections.
8. Hydraulic Systems. Any hydraulic system is to be bled and functionally tested under the supervision of an N.C.O., whenever that system is disturbed.
9. External Power Supplies. The N.C.O. i/c Aircraft Servicing is to be informed whenever power is required during servicing. Prior to switching power 'ON' the respective external supplies are to be trimmed to their correct voltages by an electrical tradesman. Functional tests are not to be carried out using the aircraft internal power supplies.
10. Defective Items. Items which require repair are to be noted and the N.C.O. i/c Aircraft Servicing is to be informed.
11. Security of Adjacent Locking Devices and Connexions. Visual examination of adjacent locking devices, pipelines etc. is to be made when carrying out examination or rectification in any area.

12. Cleanliness of Servicing Areas and Components. All areas in which servicing is carried out are to be clean. All components are to be cleaned before examination or lubrication. Lubrication is to be adequate but not excessive and all excess oil or grease is to be removed.
13. Filter Elements. Filter elements are to be examined prior to cleaning and any contamination is to be reported to N.C.O. i/c Servicing. Elements are to be examined again prior to refitting.
14. Replaced Components. A functional check is to be carried out on any system or circuit when any component in that system or circuit is replaced.
15. Blanking of Pipelines. The open ends of disconnected pipelines are to be blanked off to prevent excessive fluid spillage, and/or ingress of other material.
16. Pipelines and Component Identification. Tradesman are to ensure that direction of flow and system identification markings on pipelines and components etc. in the areas serviced are legible and correctly positioned.
17. Protection of Aircraft Finish. Clean wing mats are to be used at all times on upper surfaces and all precautions taken to protect and preserve the finish on all surfaces.
18. Hydraulic Power. The N.C.O. i/c Aircraft Servicing is to be informed whenever hydraulic power is required.
19. Additional Servicing. The instructions contained in all parts of this schedule do not absolve personnel from responsibility for observing and acting upon circumstances indicating the need for further servicing.
20. Panels and Fairings. Where panels of fairings are removed to gain access for servicing, the panel or fairing and the aircraft panel surrounding structure is to be refitted, after the servicing task is completed; ensure flush fitting and security.

(Continued)

Chap 3 ALL TRADES
Card 3
A.L.6

SERVICING NOTES
VAMPIRE T.11

A.P.4099J Vol 5
Pt 1 Bk 2 Sect 1 (2nd Ed)

21. Tools, Rags and Materials - Removal. All tools, rags and other materials are to be removed from the aircraft on completion of any servicing task.
22. Bonding. The bonding is to be examined when carrying out rectification or examination of any component.
23. Electrical Connexions. Electrical leads, plugs and sockets when disconnected are to be suitably insulated and also protected against the ingress of moisture and/or other matter, using polythene bags (32B/1135 - 1138) and secured to prevent damage.
24. Plugs and Sockets. The threads of plugs and sockets disconnected during servicing are to be cleaned and lightly lubricated with grease XG-278 (34B/9105058) or silicone compound M.S.4 (33H/9424829). If corrosion is observed on plug pins, clean and lightly smear with silicone grease M.S.4.
25. Plugs and Sockets. Plugs and sockets are to be finger tight only. Strap spanners are only to be used to loosen plugs or sockets which cannot be loosened by hand.
26. Micro Switches. Adjacent. Attention is drawn to the responsibility of Airframe, Engine and Electrical tradesmen as defined in A.P.3158, Volume 2, Leaflet A.22.
27. Hydraulic Leaks. Rectification. The correct D/E spanners only are to be used when tightening pipeline unions. Unions are NOT to be overtightened in attempts to obviate leaks; normal hand torque only is to be applied. If a leak persists, the union adapter and pipe bell is to be stripped, cleaned, examined and replaced if damaged.

28. Blanks, Covers, Guards and Locking Devices.

- (a) All blanks, covers, guards, flying control and hydraulic services locking devices are to be fitted except when removal is necessary for servicing operations, flying or as detailed by the N.C.O. i/c Servicing.
- (b) The tradesman detailed to refit such equipment are to examine each item for which they are responsible and are to report any defects to the N.C.O. i/c Servicing.
- (c) Before fitting pressure head covers ensure head is cool.

29. Weather Conditions. Hoar-frost, ice or snow is to be removed from the aircraft before flight.

30. Cables and Sleeves. Hellerine lubricant (34B/356) or silicone compound M.S.4 (33H/9424829) are the only lubricants permitted to be used when fitting sleeves to cables, or on cables to facilitate the assembly of water sealing glands, pressure bungs etc.

31. Carriage of Servicing Documents in Aircraft. The N.C.O. in charge of first line servicing is responsible for seeing that the appropriate servicing documents are up to date before flight during which it is intended that landing(s) away from base are to be made. A.P.3158, Vol.2, Leaflet C.8 refers.

32. Pressurization. When replacing pressurized units on aircraft fitted with remote pressurization hoses, ensure unit Schraeder valve core is depressed when hose is refitted to unit, by checking that pressure measured at remote pressurization point corresponds to that at unit.

(Continued)

32. Functional Tests of Aircraft Undercarriage System. A functional test of the system is to be carried out after the following:-

(a) **Any adjustment, disconnection or replacement has been made to:-**

(i) The retraction mechanism, locking mechanism, or to any part of the associated electrical, hydraulic or pneumatic systems.

(ii) Any aircraft system using a common power supply which has not been isolated from the undercarriage system.

(b) When any defect in the undercarriage system has been separated or is suspected.

(c) At the intervals laid down in the servicing schedules.

(d) Before flying an aircraft which has not flown for a period of two months or more.

(e) After a heavy landing has been reported or is suspected.

33. Di-electric Panel Cleaning. All fibre glass, resin or plastic panels are to be cleaned with gasoline (lead free). Panels are not to be left to soak in the solvent over a prolonged period. Neoprene rubber covered panels (coloured Dark Brown, Greenish Black or Black) are to be cleaned with hot water only. Solvents or scrubbers are not to be used.

Chap.3 AIRFRAME

Card 5

SERVICING NOTES

VAMPIRE T.11

A.P.4099J Vol.5

Pt.1 Bk.2 Sect.1 (2nd. Ed.)

1. Carriage of Servicing Documents in Aircraft. The tradesman responsible for the first line servicing of the aircraft is to ensure that the appropriate servicing records are stowed away before flight as defined in A.P.3158, Vol.2, Leaflet C.3.
2. Windscreen Wipers. Before operating windscreen wipers, ensure windscreen is adequately lubricated with water, and that lubrication is maintained during operation.

Chap 3 ARMAMENT
Card 6
A.L.9

SERVICING NOTES
VAMPIRE T.11

A.P.4099J Vol 5
Pt 1 Bk 2 Sect 1 (2nd Ed)

1. Ejection Seats. The vital checks detailed in A.P.3158, Volume 2, Leaflet B.39 are to be undertaken by a S.N.C.O. Armament fitter, immediately before and immediately after ejection seats (and associated equipment) are installed.
2. Safety Equipment. Any fault found during examination of parachute and dinghy assembly or safety harness is to be rectified by a Safety Equipment Worker.
3. Oxygen Pipelines. The Inst. (Gen) tradesman is to be informed whenever the low pressure oxygen hose is disconnected.
4. Low Pressure Oxygen Hose. Personnel are to ensure that when an ejection seat is raised to its highest position, the tension on the low pressure hose is insufficient to break the quick disconnect coupling.
5. Pipelines, Cables and Components. Tradesmen are to ensure that identification markings on all weapon system pipelines, cables and components etc. in areas serviced are legible.

Chap 3 ELECTRICAL
Card 7
A.L.10

SERVICING NOTES
VAMPIRE T.11

A.P.4099J Vol 5
Pt 1 Bk 2 Sect 1 (2nd Ed)

1. External Power Supplies. When external power supplies are required they are to be checked for correct voltage and frequency before connexion to the aircraft ground supply socket.
2. Generator Control System.
 - (a) Before adjusting regulators ensure system has operated for a period of at least 20 minutes.
 - (b) Ensure all testmeters are calibrated in accordance with A.P.3158, Vol 2, Leaflet J.2.
3. Lead Acid Batteries.
 - (a) When removing lead acid batteries, the negative cable lead is to be disconnected first.
 - (b) When fitting batteries, the positive cable lead is to be connected first.
4. Generator Type O2. Terminal cover fixing screws are to be locked in accordance with S.P.506 whenever the terminal box or cover are disturbed.
5. Cables and Cable Looms - Identification. Tradesmen are to ensure that identification markings on all aircraft armament electrical systems in areas serviced are legible.

6. Aircraft Earth Points-Servicing. When an electrical circuit malfunction is attributed to faulty earth Connexion(s), the examination, treatment and testing is to be carried out in accordance with S.P.507

Chap.3 ENGINES
Card 8

SERVICING NOTES
VAMPIRE T.11

A.P.4099J Vol.5
Pt.1 Bk.2 Sect.1 (2nd. Ed.)

1. Engine Blanks and Covers. Blanks and covers are to be fitted except when removal is necessary for servicing operations or for flying.
2. Ground Running. The ground running and checking of the engines is to be kept to a minimum.

Chap 3 INSTRUMENTS (GEN)
Card 9
A.L.9

SERVICING NOTES
VAMPIRE T.11

A.P.4099J Vol 5
Pt 1 Bk 2 Sect 1 (2nd Ed)

1. Pitot/Static System. Where pitot and static pipelines are disconnected new rubber rings are to be fitted on reconnexion. The trade N.C.O. is to be informed and that N.C.O. is to arrange for an independent S.N.C.O.s check to be carried out in accordance with A.P.3158, Volume 2, Leaflet B.42.
2. Clocks. Clocks are to be removed from out of use aircraft, e.g. aircraft in storage, undergoing major servicing, modification or refurbishing programmes.

Chap 3 RADAR
Card 10
A.L.9

SERVICING NOTES
VAMPIRE T.11

A.P.4099J Vol 5
Pt 1 Bk 2 Sect 1 (2nd Ed)

1. Cables and Connectors. This term refers to all fixed wiring, cables and connectors and includes their end terminations.
2. Mountings and Trays. Mountings and trays are to be examined whenever the equipment they support is removed.
3. Rebecca Mk 8 Installation. The T.R.8193 and C.U.8197 are to be installed as a matched set. If either unit becomes unserviceable both units are to be serviced.

Chap 3 WIRELESS

Card 11

A.L.9

SERVICING NOTES

VAMPIRE T.11

A.P.4099J Vol 5

Pt 1 Bk 2 Sect 1 (2nd Ed)

1. Cables and Connectors. This term refers to all fixed wiring, cables and connectors and includes their end terminations.
2. Mountings and Trays. Mountings and trays are to be examined whenever the equipment they support is removed.
3. V.H.F. T.S.740 static meter readings are to be checked daily as detailed in A.P.2528N & P Vol.4, Pt.6, Sect.2, Chap.3.



This file was downloaded
from the RTFM Library.

Link: www.scottbouch.com/rtfm

Please see site for usage terms,
and more aircraft documents.

