| CHAP | 2 | | SP 112 | | SERVIC | ING P | ROCEDURE | S | A | P 1018-1000-5. (Section 1 | A3E | | | Ą |
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| | Tes y and | Serv | icing N | SHEET/S ded Weapon | be con | nstal | i | | raft/Ed No: | | orm 298 dJan 78 COR |) | TIME | EST |
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| 1.1 | General The this (a) (b) (c) (d) (e) The | folis Pro | lowing ocedures | - And - To - Loon the testime of the | ircraft est Set amp lit amp ext amp fla t set t e boxes | t. tingu tingu ashin will s whi | ished. g. record | | | | | | | TRADES |

| CHAP | 2 | FLT SYST | SERVICING PROCEDURES | 1 | AP1 | 01B-1000-5A3 | E | |
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| SP NO | 112 | CONTINUED | LICHTNING | | | Section 1st Edition) | 1 | |
| TOTAL | 2 | AL 10 | | AC : | | · · · DATE | | _ |
| Safety | and Se | rvicing Notes are to 1 | be complied with throughout | 1 | | VICING RECOR | | · |
| the wor | k deta | iled on this card. | | (1) | (2) | (3) | | 1= |
| | | | | 111 | 1(2) | (3) | (4) | (5 |
| | | FIT | SYST | | | | | |
| 2. | Pre | paration | | | | | . | |
| 2.1 | Tes | t set switch. | | | | | | |
| | (a) | Rad lock) | | | | | | |
| | /- \ | switch.) | Set to 'OFF'. | | | | 1 1 | |
| | (b) | Signal switch.) | | | | | | |
| | (0) | Tm/Mis switch. Channel | | | 1 | | | |
| | (4) | switch. | Set to 'L'. | | | | | |
| | (e) | Lamps test | Set to 'USE'. | | | | | |
| | (f) | switch. Obscuration | Sot to ISTANTAGE | | | | 1 1 | |
| | (1) | switch. | Set to 'SLAVING'. | | | | 1 1 | |
| | (g) | Rad Ang switch. | Set to 'ZERO'. | | | | | |
| | (h) | Misc switch. | Set to 'MISC'. | | | | 1 1 | |
| | | Range | Set to 'MISC'. | | | | 1 1 | |
| | 107 | switch. | (Centre position). | | | | | |
| | | | position,. | | | | | |
| 2.2 | | craft. | | | | | | |
| | (a) | Arm/Safe | Set to 'SAFE'. | | | • | | |
| | (h) | switch. | C. I. I. I.G.T. | | | | | |
| | (0) | Single/Pairs switch. | Set to 'SINGLE'. | | | | 1 1 | |
| a le | (c) | Master arming | Set to 'OFF'. | | | | | |
| | | selector | | | | * | | |
| | (6) | switch. CRT/LFS | Set to 'CRT'. | | | | | |
| | (4) | switch. | Det to ORI . | | | | 1 1 | |
| | (e) | 70-way | Disconnect. | | | | | |
| | | Ferranti | | | | | | |
| | | Unitor. | × 4 | | | | | |
| | | (Spine compartment) | $\frac{v_i}{v_i} = \frac{\lambda^2}{\lambda^2}$ | 1 | | | 1 1 | |
| | (f) | 70 way test | Fit. | | | | | |
| | (-) | adaptor. | T T C & | | | | | |
| | | (Spine | | | | | | |
| | , . | compartment). | | | | | | |
| | (g) | Pylon base | Remove. | | | | | |
| | (h) | fairing. Pure air | Doggamagt C' | | | | | |
| | (11) | supply. | Reconnect or fit servicing air bottle. | | | | | |
| | | | per arenta art. porrie. | | | | | |
| 2.3 | | set ter. | Set to zero. | | | | | |
| | cour | OCT. | | | | | | |
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| CHAP | 2. | FLT SYST | SERVICING PROCEDURES | T | AP | 101B-1000-5A3 | E | |
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| SP NO | 112 | CONTINUED | LIGHTNING | - | | Section | 1 | |
| SHEET | 4 | AL 18 | | AC 1 | | (1st Edition) | | |
| Safety | and S | Servicing Notes ar | e to be complied with throughout | AU I | | DATE . | | • |
| the wo | rk det | tailed on this car | d. | (1) | (2) | (3) | (4) | (5) |
| | | 7 1 2 2 | FLT SYST | 1 | \-/ | (3) | 1 (4) | (3) |
| 3. | Arm | ning and Insta | llation Test (Contd) | | | | | |
| 3.2 | Grolin (A/ | ter arming | Fit and turn and ensure lamps indicate in the following pattern: | | | | | |
| | | ector switch. | change in lamp pattern. | | | | , | |
| 3. 4 | GW swi | Arm/Safe tch. (A/C). | (i) Set to 'ARM' and ensure pressure on pure air gauge drops and recovers. (ii) Ensure arming lamp (A/C) is lit. (iii) Ensure counter starts (T/S) and lamps indicate in the following pattern:- | | | | | |
| | | | | | | | | |
| • 5 | | os test sch. (T/S). | Set to 'TEST' and ensure all lamps on test set are lit. | | | | | |
| | | | | | | | | |
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| CHAP | 2 | FLT SYST | SERVICING PROCEDURES | T | AF | 101B-1000-5A | 3 E | |
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| SP NO | 112 | CONTINUED | LICHTNING | | | Section (1st Edition | 1 | |
| SHEET | 6 | AL 18 | | AC I | 10 . | · · · DATE | | |
| Safety | and S | ervicing Notes are | to be complied with throughout | 1 | | RVICING RECO | | |
| the wo | rk deta | ailed on this card. | | (1) | (2) | (3) | (4) | (5) |
| 4.1 | | cellaneous Test | (i) Rotate to all positions and ensure lamp is lit, except in positions 11 and 12 (Table 1). | | | | | |
| SW | Posit | ion | Circuit under test | | | | | |
| | 1 2 3 4 5 6 7 8 9 10 11 1:2 | G F L F 1 G h G h A | uidance heater left. uidance heater right. uze and Control heaters ight channel. SU heater. uze and Control heaters eft channel. yro and Acc. group eater left channel. yro and Acc. group eater right channel. cqn. Unit heater. ngle off supply. uze delay. GS. factor. | | | | | |
| 4•2 | CRT/ | LFS switch. | (ii) Return to 'MISC'. Note: The Misc lamp may be dim in positions 9 and 10. Set to 'LFS'. | | | | | |
| 4•3 | | switch. | (i) Rotate to all positions and ensure 'Misc' lamp is lit. (ii) Return to Misc. Note: The Misc lamp may be dim in positions 9, 10, 11 and 12. | | | | | |
| | | | | | | | | |

| CHAP | 2 | FLT SYST | SERVICING PROCEDURES | | AP | 01B-1000 Secti | | | |
|--|------------|--------------------------------------|--|--------|----------|-------------------|--|---------|-----|
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| HEDT | 9 | AL 21 | A COMPANY OF THE PROPERTY OF THE PARTY OF TH | AC N | | D | Committee of the last of the l | <u></u> | • |
| | | | to be complied with throughout | | | RVICING F | | | |
| the wo | rk det | ailed on this card. | | (1) | (2) | (3) | | (4) | (5) |
| | | | FLT SYST | 1 Land | | | 41.2.3 | | |
| , | 0.7 | | | | - | to the second | a | | |
| | | ving Test (Cont | Approximation of the contract | | <u> </u> | | | | |
| 6.9 | | Angle switch. | Set to 'Zero'. | | | | | | |
| NB: | to | -items 6.10 to aircraft with 'odied. | 6.15 are applicable only look-down' modifications | | | | | | |
| 6.10 | CRT (A/ | /LFS switch. C). | Set to 'LFSD' and ensure no change in lamp pattern. | | | | | | |
| 6.11 | | nnel switch. S). | Set to 'L' and ensure no change in lamp pattern. | | | | | | |
| 6.12 | | Mis switch. S). | Set to 'Inner TM' and ensure lamps indicating the following pattern:- | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 6.1 | | nnel switch. | Set to 'R' and ensure no change in lamp pattern. | | | | | | |
| 6.1 | | /Mis switch. | Set to 'Outer TM'. | | | | | | |
| 6.1 | | T/LFS switch. /C). | Set to 'CRT' and ensure lamps indicating the following pattern:- | | | | | | |
| | | | $\oplus \oplus \bigcirc \bigcirc$ | | | | | | |
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| de la composición del composición de la composic | | | | | | | | | |
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| CHAP SP NO | 2 112 . | CONTINUED | SE | RVICING PROCEDURES | | | 01B-1000-5A3 Section 1 (1st Edition) | | |
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| HEET | 12 | AL 18 | | | AC I | | · · · DATE | | |
| afety | and Ser | rvicing Notes are | to be compl | ied with throughout | | | RECORD - RAF | | |
| he wo | rk detai | led on this card. | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | (1) | (2) | (3) | (4) | (5) |
| 8 . 8 . 5 | N. 1 | Flock Test Acqui | | Contd) | | | | | |
| | (T/S) | | no che patte in A, 1 lan extin | nange in lamp ern. Event 2 lamp /C lights and Event ap in A/C aguishes within conds. | | | | | |
| 9• | Weapo | n System Obscur | ration Tes | <u>st</u> | | | | | |
| 9.1 | | ration h. (T/S). | (i) | Rotate to each position, ensuring lamps indicate in the following pattern for N. Ob positions and the Event 2 lamp in the A/C is lit. | | | | | |
| | | | | | 6 | | | | |
| | | | (ii) | Ensure lamps indicate in the following pattern for Ob positions and the Event 2 lamp in the A/C is extinguished. | | | | | |
| | | | | | | | | | |
| | | | (iii) | Return to 'SLAVING'. Ensure that Event 2 lamp in the A/C lights. | | | | | |
| | | | | | | * | | | |
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| | | | (1 | Section (st Edition) | | |
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| HEET 14 AL 20 | | AC 1 | | DATE . | | _ |
| afety and Servicing Notes and he work detailed on this can | re to be complied with throughout | | | ICING RECORD | | |
| ne work detailed on this car | ·u. | (1) | (2) | (3) | (4) | (5) |
| | FLT SYST | | | | | |
| Weapon System Of | oscuration Test (Contd) | | | | | |
| Rad Ang switch. | Set to 'ZERO' and ensure no change in lamp pattern | | | | | |
| Range switch. (T/S). | (i) Set to 'OFF' (centre position) and ensure lamps indicate in the following pattern:- | | | | | |
| | 9 0 | | | | | |
| | $OO \oplus O$ | | | | | |
| | $\oplus \oplus \oplus$ | - 194 | | | | |
| | | | | | | |
| | (ii) Ensure Event 1 (A/C) lamp is extinguished. | | | | | |
| .7 Tm/Mis switch. (T/S) . | Set to 'OUTER TM' and ensure no change in lamp pattern. | | | | | 1 |
| | the content of the co | | | | | |
| 10. Firing Sequence/ | Single Port/Inadvertant | | | | | |
| Pairs Firing 10.1 Range switch. | Set to 'FIRE', ensure lamps indicate in the following pattern after 1 second and the Event 1 lamp in the the A/C is lit | • | | | | |
| | $\bigcirc \oplus \bigcirc \bigcirc$ | | | | | |
| | $\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc$ | | | | | _ |
| | $\oplus \oplus \oplus$ | | | | | |
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SERVICING PROCEDURES

AP101B-1000-5A3E

FLT SYST

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| CHAP | 2 | FLT SYST | s | ERVICING PROCEDURES | | AP | 101B-1000 | | 17 -7 | - |
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| SP NO | 112 | CONTINUED | | LICHTNING | h/ | | Section (1st Edit: | | | |
| SHEET | 22 | AL 20 | | | AC I | 10 | DA | TE | | |
| Safety | and S | servicing Notes ar | e to be comp | lied with throughout | | | RVICING R | | <u> </u> | · |
| the wor | rk det | ailed on this car | d. | | (1) | (2) | (3) | T | (4) | (5) |
| | | FIT | SYST | | T | | | - | `` | ()/ |
| | | | 0101 | | | | | | | |
| 12. | Fir | ring Sequence/ | Pairs (Co | ntd) | | | | | | |
| 12.11 | Fir | re committal | (ii) | Ensure Event 1, | | | | | | |
| | | | | Event 2, Arming and Armed lamps extinguish and | | | | | | |
| | | | | Port and Star- board Gone lamps light in the A/C. | | | | | | |
| | | | (iii) | Ensure counter or T/S stops. | 1 | | | × . | | |
| 12.12 | Cha | nnel switch. S). | | 'L' and ensure no in lamp pattern. | | | | | | |
| NB: | app | -items 12.13 licable only /RT/022/STC. | to 12.32 to weapon | inclusive are packs post | | | | | | |
| 12.13 | | nnel switch. S). | Set to | 'L'. | | | | | | |
| 12.14 | | e committal tch. (A/C). | (i) | Release 2 seconds after para 12.13 | | | | | | |
| | | | | and ensure lamps indicate following pattern after 5 seconds: | | | | | | |
| | | | | | | | | | | |
| | | | (ii) | Ensure Event 1 and Starboard Gone lamps are lit. | | | | | | × |
| 12.15 | Cha (T/ | nnel switch. S). | (i) | Set to 'R' and ensure lamps indicate following pattern: | | | | | | |
| | | | | | | | | | | |
| | | | (iii) | Ensure Event 2 lamp is | | | | | | |
| | | | | extinguished. | | | | | | |
| 87 | 11 | A | | | | inued | | | | |

| CHAP SP NO | 2 112 | FLT SYST CONTINUED | SI | rvicing procedures Lightning | h i | | 01B-1000-5A3E Section 1 (1st Edition) | | |
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| SHEET | 23 | AL 22 | | | AC N | o | DATE . | | |
| | | Servicing Notes are t | o be compl | ied with throughout | 7747 | | RVICING RECORD | | |
| THE WO | LK G9. | tailed on this card. | | | (1) | (2) | (3) | (4) | (5) |
| | | FL | SYST | | 7 27 | | | 1 | |
| 12. | Fi | ring Sequence/Pa | airs (Co | ntd) | | | | | |
| | | set switch. | (i) | Depress for 2 | | | | | |
| | | /C) | (1) | seconds and release ensuring lamps indicate the following pattern: | | | | | |
| | | | | $\bigcirc \oplus \bigcirc \bigcirc$ | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | Ensure Event 2 ights and Starboard amp is extinguished | | 6(| | | |
| 12.1 | | annel switch. /S). | (i) | Set to 'L' and ensure lamps indicate the following pattern: | | | | | |
| | | | (ii) | Ensure Event 1 lamp is lit. | | | | | |
| 12.1 | | re committal itch. (A/C). | Depres | s and hold. | | | | | |
| 12.1 | | annel switch. (/S). | Set to | r. | | | | | |
| 12.2 | | re committal (itch. (A/C). | (i) | Release 2 seconds after para 12.19 and ensure lamps indicate following pattern after 5 seconds: | | | | | |
| | | | | \oplus \oplus \oplus | | | | | |
| | | | (ii) | Ensure Event 2 and Port gone lamps light. | d | | | | III III A |
| | 5/3 | | | | 100 | ntinu | L | | |

| CHAP | 2 | FLT SYST | | SERVICING PROCEDURES | | AP1 | 01B-1000-5A | | |
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| SP NO | 112 | CONTINUED | | LICHTNING | | - (| Section 1st Edition | | |
| SHEET | 24 | AL 20 | | BORGONANI CONSTRU | AC N | ro | DATE | | |
| Safety | and S | Servicing Notes are | e to be co | mplied with throughout | | | VICING RECO | THE RESERVE AND PARTY AND PERSONS ASSESSED. | - |
| the wo | rk det | tailed on this care | 1. | | (1) | (2) | (3) | (4) | (5) |
| 10 | F/ - | FLT S | | | | | | | |
| 12. | | ing Sequence/E | | Contd) | | | | | 1, |
| 12.21 | | nnel switch. S). | (i) | Set to 'L' and ensure lamps indicate the following pattern: | | | | | |
| | | | | | | | | | |
| | | | (ii) | Ensure Event 1 lamp is extinguished. | | | | | |
| 12.22 | Res (A/ | et switch. | (i) | Depress for 2 seconds and release ensuring lamps indicate the following pattern: | | | | | |
| | | | (ii) | Ensure Event 1 lamp lights and Port gone lamp is extinguished. | | | | | |
| 12.23 | Rad | Ang switch. | Set t | o 'ZERO'. | | | | | |
| 12.24 | | e committal tch. (A/C). | Depre | ss and hold. | | | | | |
| 12.25 | Char (T/ | nnel switch. S). | Set t | o 'R'. | | | | | |
| 12.26 | | e committal. tch. (A/C). | (i) | Release 2 seconds after Para 12.25 and ensure lamps indicate following pattern after 5 seconds: | | | | | |
| | | | (ii) | Ensure Event 2 and Port gone lamps light. | | | | | |
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| HAP | 2 | FLT SYST | SERVICING PROCEDURES | | | Sec | 00-5A3E tion 1 | | m |
|--------------|------|--|--|-------|--------|---------|-------------------|-----|-----|
| P NO | 11 | | LICHTNING | 1 2 1 | | (1st Ed | | | |
| HEET | 2 | | | AC 1 | | | DATE . | | • |
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| ne wo | rk d | etailed on this card. | | (1) | (2) | (| 3) | (4) | (5) |
| | | FLT SY | 'ST | | | | | | |
| | | | | | | | | | |
| 13. | | Misfire Sequence | Test (Contd) | | t | | | | |
| 13. | 5 | Channel switch. | Set to 'R'. | | | | | | |
| | | (T/S). | | | | | | | |
| 12 | 6 | Fine Committed | Release 2 seconds after | | | | | | |
| 13. | | Fire committal switch. (A/C). | para 13.5, and ensure | 1 | | | | | |
| | | | that Counter stops. | | | | | | |
| 4.2 | 7 | D | Denues and maless and | | | | | | |
| 13. | 1 | Reset switch. | Depress and release and ensure that Counter | | | | | | |
| | | | starts. | | | | | | |
| <u> 1</u> 1. | | | | | | | | | |
| NB: | | Allow 20 seconds out Sub-item 13.8 | to elapse before carrying | | 1 | | | | |
| | | out Sub-item 15.0 | | | | | | | |
| 13. | 8 | | Depress and hold. | | | | | | |
| | * | switch. (A/C). | | | | | | | |
| 13. | 9 | Channel switch. | Set to 'L'. | | - | | | | |
| | | (T/S). | | | | | | | |
| 10 | 10 | 7. | Release 2 seconds | | | | | | |
| 13. | 10 | Fire committal switch. (A/C). | after para 13.9 and | | | | | | |
| | | SVICCII. (A/O/. | ensure that Counter | 1 | | | | | |
| | | | (T/S) stops. | | | | | | |
| 12 | 11 | Reset switch. | Depress and release | | | | | | |
| 13. | 1 1 | (A/C). | and ensure that Counter | | | | | | |
| | | | (T/S) starts. | 1 | 1 | | | | |
| | | | | | | 1 | | | |
| ▶ ◀ | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | . (1) : 전경 - 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 | | | | | | |
| | | | | | | | | | |
| | | | | | 1 | | | | 15 |
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| CHAP SP NO | 2 FLT SYST 112 CONTINUED | SERVICING PROCEDURES LIGHTNING | | | 101B-1000-5A Section (1st Edition | 1 | |
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| SHEET | 30 AL 20 | | AC 7 | | DATE | | |
| Safety | and Servicing Notes ar | e to be complied with throughout | 101 | | RVICING RECO | The Party of the last of the l | • |
| the wor | rk detailed on this car | i. | (1) | (2) | (3) | | (=) |
| Million Control | | FLT SYST | 100 | 1(2) | (3) | (4) | (5) |
| | | 101 3101 | | | | | |
| 16. | Test Termination | (Contd) | 1 | | | | |
| | | | | | | | |
| 16.4 | Ground equipment | | 1 | | | 10. | |
| | (a) Test set. | Remove. | | | | | 1 2/1 |
| | (b) Cable J4) | Disconnect from test | 1 | | | | |
| | 01175A.) | TP1 and TP2 | | | | | |
| | (c) Cable J4) 01363A) | respectively on the | | | | | |
| | O 1 JOJA) | weapon pack distribution panel. | 1 | | + | | |
| | (d) 115 2400 Hz | | | | | | |
| | supply cable | Disconnect from RJ27 on weapon pack | 1 | | | | |
| | sappij casic | distribution panel. | | | - Angelet F | - | |
| 17. | Parlon Continuitar | | | | | | |
| 17.0 | ryton concinuity | Testing Preparation | | | 36.1 | | |
| 17.1 | Weapon Pack | (i) Clean. | | | | | |
| | Butt Connectors. | (ii) Examine (Fig 1). | | | | | |
| 17 0 | ** | | | | W | | |
| 17.2 | Weapon pack distribution | | | | | | |
| | panel. | | | will be | | | |
| | (a) Test socket | Connect shorting plug | - | | | | |
| | TP1. | assembly J4 01506A. | | | | | |
| | | (37 way). | 1 | | | | |
| | (b) Test socket TP2. | Connect shorting plug | | | 17,000 | | |
| | TPZ. | assembly J4 00367A. (47 way). | | | 26 7 | | |
| Ť | | Note: Ensure switch | | | | | |
| | | is set to 'OFF'. | | | | | |
| 17 - | AAETT OLOO | | | | 1 1 | | |
| 17.3 | | Ensure DISCONNECTED · | | | | | |
| | supply cable. | from weapon pack. | 1 | | | | |
| 17.4 | 28V External) | | | | | | |
| | DC supply to) | | 1 | | | | |
| | aircraft.) | | | | | | |
| 17.5 | 200V 400 Hz) | Switch ON. | | | | | |
| ., •) | external a.c.) | | | | | | |
| | supply to) | | | | | | |
| | aircraft.) | | | | | | |
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| SMS/ | 15A | | Con | tinue | d. | | |

| HAP | 2 FLT SYST | | SERVICING PROCEDURES | AP101B-1000-5A3E Section 1 | | | | | | |
|---|---------------|---|--|---|-----|---------------|-----|-----|--|--|
| P NO | 112 | CONTINUED | LICHTNING | | | (1st Edition) | | | | |
| HEET | 317 | AL 20 | | AC NO DATE | | | | | | |
| Safety and Servicing Notes are to be complied with throughout the work detailed on this card. | | | | | | (3) | (4) | (5) | | |
| | | FI/T | SYST | (1) | (2) | | 1 | | | |
| 18. | Po | rt Pylon Continuit | | | | | | | | |
| NB | (Partitional) | | following Precautions | | | | | | | |
| ND | mu | st be observed: | power supply must NOT | | | | | | | |
| | | be switched on.) The GW arming sw | itch must NOT be set OV ac 400 Hz power | | | | | | | |
| 18.1 | | ster armament lector switch. | Set to 'GW'. | | | | | | | |
| 18.2 | Bu un | tt connector | Hold to aft port pylon butt connector. | Total Control of the | | | | | | |
| 18.3 | Tr (L | igger button. amp unit). | (i) Depress and ensure all lamps are li- (ii) Release and ensure lamps | | | | | | | |
| | | | marked A, FA and SA remain lit. | | | | | | | |
| 18 .4 | Bu un | tt connector | (i) Remove from pylon butt connector.(ii) Hold to forward port pylon butt connector. | | | | | | | |
| | (I | eigger button. | (i) Depress and ensure all lamps are lit. (ii) Release and ensure lamps marked F and FA are lit, lamps L7 and L11 are extinguished and L12, L14 and L15 glow dim. | | | | | | | |
| 186 | | att connector | Remove from pylon butt connector. | | | | | | | |
| 18.7 | ex | OOV a.c. 400Hz sternal apply to aircraft. | Switch off. | | | | | | | |
| 18 .8 | | rm/Safe vitch. | Set to 'ARM'. | | | | | | | |
| | | | | | | | | | | |

| HAP | | | SERVICING PROCEDURES LICHTNING | AP101B-1000-5A3 E Section 1 (1st Edition) | | | | | | |
|---|--------|--------------------------------|--|---|-----|----------------|-----|-----|--|--|
| 71 110 | | CONTINUED | птантия | | | | | | | |
| HEET | 33 | AL 20 | | AC NO DATE | | | | | | |
| Safety and Servicing Notes are to be complied with throughout the work detailed on this card. | | | | | | RVICING RECORD | (4) | (5) | | |
| he wor | rk det | alled on this card. | | (1) | (2) | (3) | (4) | (5) | | |
| | | FL | r syst | | | | | | | |
| 19. | Sta | arboard Pylon Con | tinuity Test (Contd) | | | | | | | |
| 19.4 | 200 | OV 400 Hz | Ensure switched off. | | | * 1 | | | | |
| | | cernal a.c. | | ١. | | | | | | |
| | | oply to | | | | | | | | |
| | aiı | ccraft. | | | | | | | | |
| 19.5 | Wea | apon pack | | | | | | | | |
| | dis | stribution panel. | | | | | | | | |
| | (a |) Test socket.) | Disconnect shorting | 1 | | | | | | |
| | 12- | TP1.)) Test socket) | plug assemblies. | | | jā | | | | |
| | (0) | TP2. | bing appointing. | | | | | | | |
| | | | | | | | | | | |
| 20 • | Ra | dar Signal Contin | uity Testing | | | | | | | |
| 20.1 | | m+immi+== +0s+ | Clean. | | | 1 3 1 2.0 | | | | |
| 20.1 | | ntinuity test apter | OTGAII. | | | | | | | |
| | | nnections. | | | | | | | | |
| | | ellow). | | | | | | | | |
| 20 - | | II/ | Remove. | | | | | | | |
| 20.2 | | way Uniter/ st adapter. | Tremo v e • | | | | | | | |
| | | pine | | | | | | | | |
| | co | mpartment). | | | | | | | | |
| 20 - | | | Fit to 70 way MUM test | | | | | | | |
| 20.3 | | ntinuity test lapter. | point. | | | | | | | |
| | ac | apoor. | | | | | | | | |
| 20 . | | way Yellow | Connect to test socket | | | | | | | |
| | sh | norting plug. | TP1 on weapon pack | | | | | | | |
| | | | distribution panel. | | | | | | | |
| 20. | 5 26 | 6V dc supply. | Set to 'ON'. | | | N | | | | |
| | | | Ensure set to 'OFF'. | | | | | | | |
| 20 . | 6 20 | OOV 400 Hz | Ensure set to Off. | | | 1 1 1 | | | | |
| | ຣາ | upply. (GPU). | | | | | | | | |
| 20. | 7 C | RT/LFS switch. | Ensure set to 'CRT'. | | | | | | | |
| | | | Set to IGWI | | | | | | | |
| 20. | | aster armament elector switch. | Set to 'GW'. | | | | | - | | |
| | s | elector switch. | | | | | | | | |
| 20 | 9 G | W ARM/SAFE | Set to 'ARM'. | | | | | | | |
| | | witch. | | | | | | | | |
| | | | | | | | | | | |
| | | | The second secon | | | | | | | |
| | | | | | | | | | | |

| CHAP 2 FLT SYST | | SERV | ICING PROCEDURES | AP101B-1000-5A3 E | | | | | | | |
|-----------------|--------------------------------------|---|-----------------------|---|------------------|----------------------------|---------|-----|-----|----------|--|
| SP NO | 112 | CONTINUED | LIGHTNING | | | Section 1 (1st Edition) | | | | | |
| SIRSUE 34 AL 20 | | | | | AC NO DATE | | | | | | |
| Safety | and Se | prvicing Notes are | to be complie | ed with throughout | SERVICING RECORD | | | | | | |
| | | TELESCE OF THE CAPE | 1. | | (1) | (5) | E grade | (3) | (4) | (5) | |
| 100 | | | FLT SYST | | | - | | | | | |
| 20 • | Rada | ar Signal Con | tinuity Tes | ting (Contd) | | | | | 1 | | |
| 20 .10 | | Connector | (ii) (ii) (iii) | Hold correctly orientated to the yellow Test Adapter 24 Way connector. Ensure all 'A' lamps are lit. (L12 and L14A may be dim). Ensure lamps F2A 6, 10 are lit. Refer to Table 2 for lamp | | | | | | | |
| | | ¥.¥. | | indicattions. | | | | | | | |
| 21 - | Gene | ral | | | * * | | | | | | |
| 21.1 | elec powe 200V exte supp | rnal dc) trical) r supply. } 400 Hz rnal a.c.) ly to :) raft.) | | Switch off. Disconnect. | | | | | | | |
| 21.3 | | er armament ctor, ch. | Set to | 'OFF'. | | | | | | | |
| 21 .4 | Fire swit | committal | Set to | 'SAFE'. | | | | | | | |
| 21.5 | dist pane (a) | Test | | nect 37 way | | | | | | | |
| | | socket TP1. | yellow | shorting plug. | | | | | | | |
| 1.6 | Groun link | nd arming | Remove | • | | | | | | | |
| 1.7 | | ment safety c key. | Fit. | | | | | | | | |
| | | | | | | | | | | | |
| MS/ | 4 | 174 | | | Cont | inusd | | | | \dashv | |

| CHAP SP NO | 112 | FIT SYST | | SERVICING PROCEDURES LICETINING | | | AP101B-1000-5A3E Section (1st Edition) | | | | | | |
|---|--------------|--------------------------------|----------------|---|-----|-------|---|-----|-----|--|--|--|--|
| SHEET. | 35 | AL 20 | | | | | | | | | | | |
| Safety and Servicing Notes are to be complied with throughout | | | | | | | AC NO DATE SERVICING RECORD | | | | | | |
| the work detailed on this card. | | | | | | | (3) | (4) | (5) | | | | |
| | | FI | I SYST | | | (2) | | 1 | | | | | |
| 21. | Gen | eral | | | | | | | | | | | |
| 21.8 | Tes | t adapters. | Remove | | | | | | | | | | |
| 21.9 | Uni | tor plug | Recon | nect. | | | | | | | | | |
| - | (70 | way). | | | | | | | | | | | |
| 22, | 2 M | .C.U Miscella | neous Su | upplies Deck Check | | | | | | | | | |
| NB | Ens: | ure ALL Elect CCHED OFF. | rical Po | ower Supplies are | | | | | | | | | |
| 22.1 | 37 Plug | Way Test | (i) | Fit to 37 Way Test Socket. | | | | | | | | | |
| | | | (ii) | Connect plug marked 'L' to Multimeter red terminal. | | | | | | | | | |
| | | | (iii) | Connect plug marked 'H' to Multimeter black terminal. | | | | | | | | | |
| 22.2 | Туре | cimeter e 1. P/1057049). | (i) (ii) | Set to 'OHMS' range. Ensure reading obtained is approximately 1 Kohm. | | | | | | | | | |
| | | | | Reverse connections. Ensure reading obtained is not less than 500 Kohms. | | | | | | | | | |
| | | | (v) | Disconnect plug marked 'H' and connect plug marked | | | | | | | | | |
| | | | (vi) | 'r'. Ensure reading obtained is not less 500 Kohms. Disconnect plug marked 'r' and connect plug marked 's'. | | | | | | | | | |
| | | | | Ensure reading obtained is not less 500 Kohms. | - | | | | | | | | |
| 22.3 | 37 W | ay Test | (ix) Remove | Disconnect. | | | | | | | | | |
| | Plug | | | | | | | | | | | | |
| 22 .4 | Airc Pane | | Refit. | | | | | | | | | | |
| SMS | / - | | | | Con | tinue | | 100 | | | | | |

| SP NO 112 | PNO 112 CONTINUED | | | SERVICING PROCEDURES LIGHTNING | | | AP101B-1000-5A3 E Section / (1st Edition) | | | | | |
|----------------------------------|-------------------|---------------------------|-------------------|--------------------------------|-------------|-----------|---|-----|-------------------|--|--|--|
| SHEET 36 | AL 22 | a On Sa | | | | | AC NO DATE | | | | | |
| Safety and Servithe work details | icing Note | s are to | be complied w | ce complied with throughout | | | SERVICING RECORD | | | | | |
| THE WOLK COURT! | od on this | card. | | | - | (1) (2) | (3) | (4) | (5) | | | |
| 22. 2 M.C | .U Misc | | us Supplie | s Deck C | heck | | | | | | | |
| | 1 | TAB | LE 2 | | | | | | | | | |
| TITLE | LAMP | TEST CONN 24 WAY | ADAPTER 70 WAY | PL/SK RJ 5 WHITE | PACK TP1 | | | | | | | |
| Radar Lock | 2FA | 9 | 45 | Q | N | | | | | | | |
| K Factor | 6FA | 3 | 67 | D | В | | | | | | | |
| Fuze Common | 10FA | 21 | 62 | Н | L | | | | | | | |
| Fuze App Volt to Radar | 15A | 5 | 64 | F | K | | | | | | | |
| Fuze App Volt to Missile | 16A | 7 | 63 | G | Н | | | | h _a ra | | | |
| Launch Warning | 18A | 12 | 51 | Z | D | | | | | | | |
| Range Bracket | 19A | 13 | 38 | P | С | | | | | | | |
| AGC | 20A | 14 | 66 | E | | | | | | | | |
| AGC | | | 65 | Ū | | | | | | | | |
| Radar Sig | 22A | 18 | 69 | L | Х | | | | | | | |
| EL . | | | 70 | М | Z | | | | | | | |
| Radar Sig | 23A | 22 | 50 | J | P | | | | | | | |
| AZ | 1 1 | | 49 | K | R | | | 14 | | | | |
| | 24A | 24 | 47 | В | N | | | | | | | |
| Radar Reference | | | 46 | A | М | | | | | | | |
| | | | 41 | Y | G | | | | | | | |
| | | | 41 | У | G | | 1 1 Tag 25 | | | | | |
| SMS/ 57 57 | ·c | | | | | Continued | 700 | 1 | - | | | |

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