

MAINTAINER MAINTENANCE

XXXX DEGR / XXXX FAIL –
TEMPERATURE OUT-OF-RANGE IN XXX

INITIAL SETUP:

Tools and Special Tools

Tool Kit, Aircraft Maintenance (,)
Tool Kit, Electronic (,)

Equipment Condition

System set to safe for maintenance configuration
IAW .

Personnel Required

Aircraft Electrical Technician

Drawings Required

, Wiring Data,

References

TROUBLESHOOTING PROCEDURE

NOTE

Refer to for detailed wiring data.

STEP

TESTING

- 1. AA
- 1. AA

CONDITION/INDICATION

BB

DECISION

YES - Branch 2.
NO - Branch 3.

MALFUNCTION

MALFUNCTION - CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

ACTION

- 1. DDD

END OF TEST

STEP

TESTING

- 1. EEE .
- 2. FF
- 3. EEE .
- 4. FF

MIL-STD-40051-2B
APPENDIX D

TM X-XXXX-XXX-XX

0151

MAINTAINER MAINTENANCE
FRONT TURN LIGHT(S) DO NOT WORK

INITIAL SETUP:**Tools and Special Tools**

General technician's tool kit, automotive (WP 139, Item 47)
Multimeter (WP 1239, Item 77)

Personnel Required

ITV/IFV Sys Mech (63T10)
Helper (H)

References

TM X-XXXX-XXX-10-1
WP 0152
WP 0225

References (cont.)

WP 0235
WP 0243
WP 0265
WP 0293
WP 0329
WP 0343

Equipment Condition

Engine stopped (WP 0029)
FIRE SUPPRESSION switch in
MANUAL (WP 0034)

TROUBLESHOOTING PROCEDURE**FRONT TURN LIGHT(S) DO NOT WORK****NOTE**

Left and right light circuits are identical. Designators for left side are given with designators for right side in parenthesis, when appropriate.

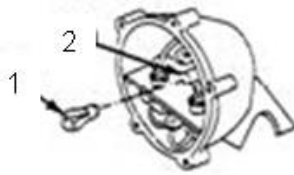
STEP

Figure 1. Front composite light.

1. Remove appropriate front composite light lens (WP 0343).
2. Remove turn signal lamp (Figure 1, Item 1) from (Figure 1, Item 2).
3. (H) Move **MASTER POWER** to **ON**.
4. (H) Move turn signal switch to appropriate position.
5. Measure voltage between socket (Figure 1, Item 2) and ground

CONDITION/INDICATION

Does multimeter read less than 17 volts?

DECISION

NO – Step 27

Yes – Step 6

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FIGURE D-5. Example of content for a troubleshooting procedure (Method A).

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STEP

6. Check rear lights.

CONDITION/INDICATION

Do rear stop/turn lights work?

DECISION

No – Go to: Service stop lights(s) malfunction WP 0152 YES – Step 7

STEP

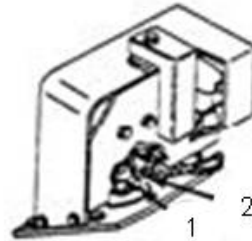


Figure 2. Plug 1W13P7.

7. (H) Move **MASTER POWER** to **OFF**.
8. Remove plug 1W13P7 (1W13P12) 9Figure 2, Item 1) from turn signal plug P3 (Figure 2, Item 2).
9. (H) Move **MASTER POWER** to **ON**.
10. (H) Move **TURN INDICATOR** switch to appropriate position.

CONDITION/INDICATION

Does multimeter read less than 17 volts?

DECISION

NO – Step 11 YES – Step 12

MALFUNCTION

11. Faulty front composite light assembly.

ACTION

- STEP 1. (H) Move **TURN INDICATOR** switch to center position.
- STEP 2. Move **MASTER POWER** to **OFF**.
- STEP 3. Replace front composite light assembly WP 0243.
- STEP 4. Verify no faults found.

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FIGURE D-5. Example of content for a troubleshooting procedure (Method A) -
Continued.