

77

No. 1246
ATA Code 33-40

Kit No. 77-3002-1 S

SUBJECT: LIGHTS - LANDING LIGHT WIRING MODIFICATION

EFFECTIVITY: BEEHCRAFT Skipper 77, serials WA-1 through WA-312.

REASON: To provide an improved connection for the landing light wire.

COMPLIANCE: Beech Aircraft Corporation considers this to be a mandatory modification and it should be accomplished as soon as possible after receipt of these Service Instructions, but no later than the next scheduled inspection.

APPROVAL: Engineering data contained in these Service Instructions is FAA approved.

MANPOWER: The following information is for planning purposes only:
Estimated man-hours: 1 hour.
Suggested number of men: 1 man.
The above is an estimate based on experienced personnel complying with these Service Instructions. Occasionally after work has started, conditions may be found which could result in additional man-hours.

MATERIAL: The parts required to accomplish these Service Instructions are contained in Kit No. 77-3002-1 S. The kit may be ordered through BEEHCRAFT Aero or Aviation Centers and International Distributors and Dealers. The value of the kit required to incorporate these Service Instructions on one airplane is to be advised. Price, when issued, will be subject to change without notice. Beech Aircraft Corporation expressly reserves the right to supersede, cancel and/or declare obsolete any kits or publications that may be referenced in these Service Instructions without prior notice.

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Beech Aircraft Corporation issues service information for the benefit of owners and fixed base operators in the form of three classes of Service Instructions. CLASS I (Red Border) are changes, inspections, and modifications that could affect safety. The factory considers compliance mandatory. CLASS II (Green Border) covers changes, modifications, improvements or inspections the factory feels will benefit the owner and although highly recommended, they are not considered mandatory compliance, unless specified at the time of issuance. Class I and II are mailed to:

- BEEHCRAFT Aero or Aviation Centers and International Distributors and Dealers
- Owners of record on the FAA Registration list and the

BEEHCRAFT International Owner Notification Service List.
(c) Those having a publications subscription.

CLASS III (No Border) covers changes which are optional, maintenance aids, product improvement kits and miscellaneous service information. Compliance is at the owner or operator's prerogative. Copies of Class III are distributed per a and c above. Information on Owner Notification Service or Subscriptions can be obtained through any BEEHCRAFT Aero or Aviation Center, International Distributor and Dealer, or the Factory. As Service Instructions are issued, temporary notation in the index should be made until the index is revised. Warranty will be allowed only when specifically defined in the Service Instructions and in accordance with Beech Warranty Policy.

NOTICE

All BEEHCRAFT kits, unless otherwise designated, are approved for installation on BEEHCRAFT airplanes in original or BEEHCRAFT modified configurations only. BEEHCRAFT kits may not be compatible with airplanes modified by STC installations or modifications other than BEEHCRAFT approved kits.

WARRANTY: Warranty credit for parts and labor to the extent noted under MATERIAL and MANPOWER will be allowed on all affected airplanes.

All warranty reimbursements are handled through franchised BEEHCRAFT Aero or Aviation Centers and International Distributors and Dealers. Owners and operators should arrange with these outlets to perform the work and have them submit the standard Beech Aircraft Corporation warranty claim form through BEEHCRAFT Parts and Equipment Marketing Wholesalers or International Distributors.

SPECIAL TOOLS: None.

WEIGHT AND BALANCE: None.

REFERENCES: BEEHCRAFT Skipper 77 Maintenance Manual, P/N 108-590000-7 or subsequent, Chapter 32-10.

PUBLICATIONS AFFECTED: It is recommended that a note to "See Service Instructions No. 1246" be made in all BEEHCRAFT Skipper 77 Wiring Diagram Manual copies, P/N 108-590000-15C or subsequent, Chapter 33-42.

ACCOMPLISHMENT

INSTRUCTIONS: These Service Instructions may be accomplished as follows:

1. Turn off and/or disconnect all electrical power and disconnect the battery.

2. Remove the glareshield.

3. Locate the J16 and P16 connectors just aft of the firewall wiring insulator at the upper center of the firewall as shown in Figure 1.

4. Locate the landing light wires, identification numbers L8A14 and L8B14 where they enter the P16 and J16 connectors and cut these wires as close to the connectors as possible to maintain maximum wire length.

5. Obtain the P/N 106242-3-00300 insulation tubing and trim to a minimum length of 3 inches. Slide the tubing over either the L8A14 wire or the L8B14 wire (see Figure 2).

6. Carefully strip insulation from the ends of the L8A14 and L8B14 wires which were cut in Step 4 and install a P/N 32448 knife splice on each wire.

7. Connect the knife splices and slide the insulator tubing over the knife splices. Secure the insulator tubing in 3 places using P/N TY35M ty-raps (obtain locally) as shown in Figure 2.

8. Reinstall the glareshield.

9. Restore electrical power to the airplane and check the landing light for proper operation.

CAUTION

Cut only the L8A14 and L8B14 wires.

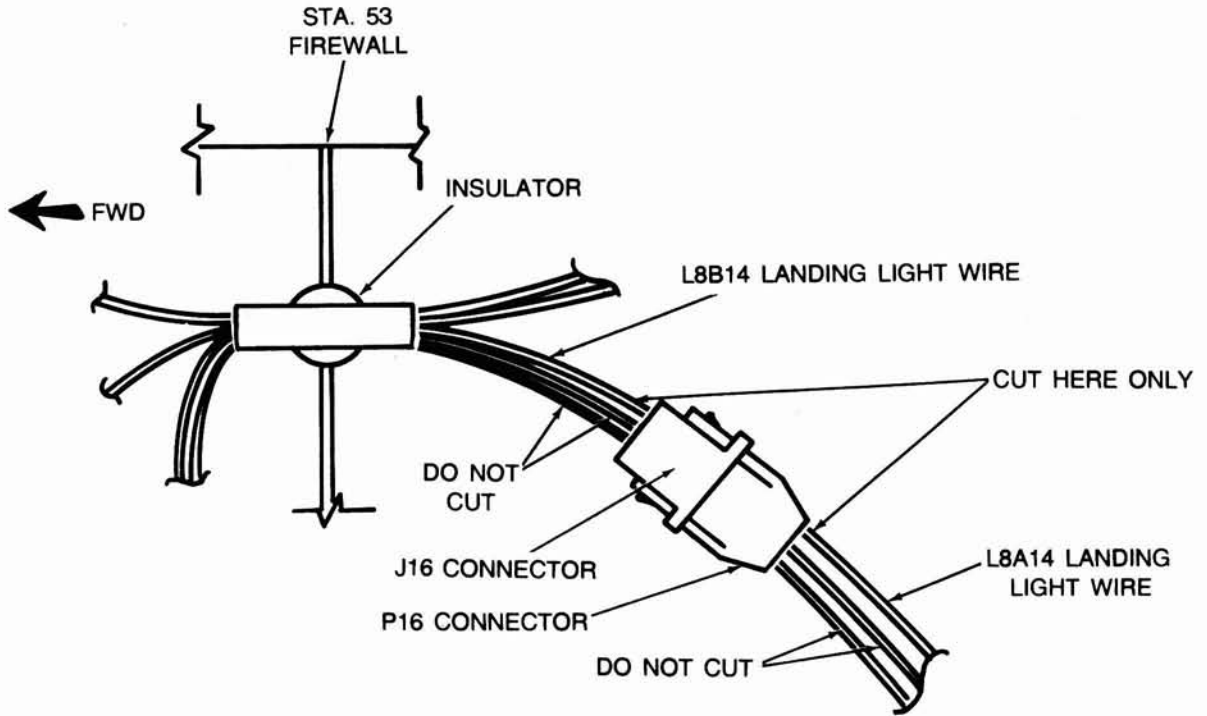


Figure 1.

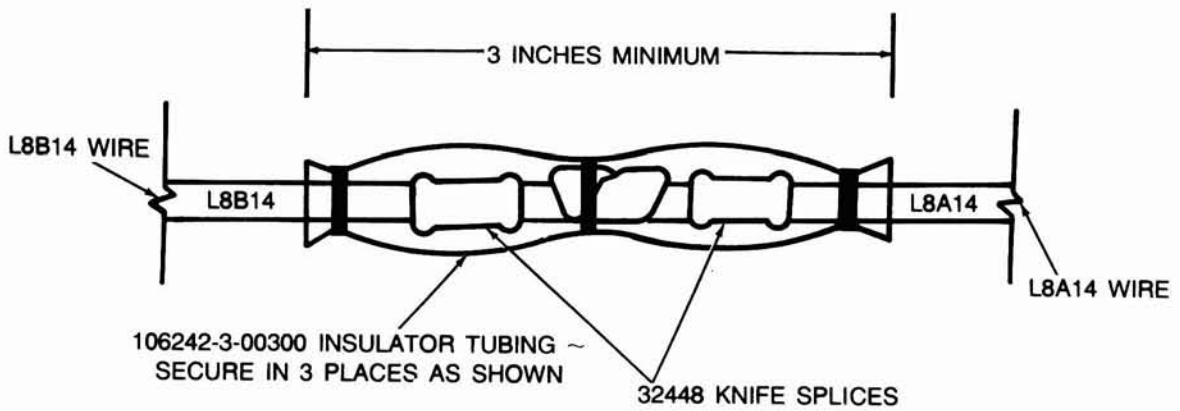


Figure 2.

RECORD COMPLIANCE:

Upon completion of these Service Instructions, make an appropriate maintenance record entry specifying the kit identification number and the kit serial number. It is recommended that the parts list contained in the kit be filed for future reference until the listing of parts has been incorporated into the Wiring Diagram Manual.