

19, 23, 24

No. 0908  
ATA Code 24-20

**SUBJECT:** ELECTRICAL POWER - REPLACEMENT OF THE ALTERNATOR FIELD CIRCUIT BREAKER

**EFFECTIVITY:** PART I

BEECHCRAFT Sport B19, serials MB-635 through MB-722 and MB-724 through MB-799;  
Sundowner C23, serials M-1506 through M-1838;  
Sierra B24R, serials MC-211 through MC-424.

PART II

BEECHCRAFT Sport B19, serials MB-800 through MB-829 and MB-831;  
Sundowner C23, serials M-1839 through M-1889, M-1891 through M-1893, M-1896,  
M-1898, M-1899, M-1902, M-1903, M-1905 through M-1911, and M-1913 through M-1915;  
Sierra B24R and C24R, serials MC-425 through MC-468 and MC-470 through MC-472.

**REASON:** To improve the alternator electrical circuit.

**COMPLIANCE:** Beech Aircraft Corporation considers this to be a mandatory modification and it should be accomplished within the next 100 service hours, but no later than the next scheduled inspection.

**DESCRIPTION:** PART I

The alternator field circuit breaker is removed and an electrical connector is installed.

PART II

The alternator field circuit breaker is removed and an improved circuit breaker is installed.

**APPROVAL:** FAA Approved - DOA CE-2.

**MANPOWER:** The following information is for planning purposes only:

Estimated number of man-hours for PART I or PART II: 2 hours.  
Suggested number of men: 1 man.

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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:

- (a) BEECHCRAFT Aero or Aviation Centers and International Distributors and Dealers
- (b) Owners of record on the FAA Registration list and the

BEECHCRAFT 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 BEECHCRAFT 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.

## Service Instructions No. 0908

**MATERIAL:** The following parts required for this modification are available through your BEEHCRAFT Parts and Service Outlet.

	PART NUMBER	DESCRIPTION	QUANTITY
PART I			
	320559	Connector	1
	48152	Plug	1
PART II			
	7277-2-5	Circuit Breaker	1

The value of the parts required for the incorporation of these Service Instructions on one airplane is to be advised. Price, when issued, will be subject to change without notice.

**WARRANTY:** Warranty credit for parts replacement and labor to the extent noted under MATERIAL and MANPOWER will be allowed on all warranty claims received prior to July 1, 1978.

All warranty reimbursements are handled through franchised BEEHCRAFT outlets. Owners and operators may arrange with these outlets to perform the work and to submit the standard Beech Aircraft Corporation warranty claim form to the Commercial Service Department, Beech Aircraft Corporation, Wichita, KS 67201.

**SPECIAL TOOLS:** None.

**WEIGHT AND BALANCE:** None.

**REFERENCES:** None.

**PUBLICATIONS AFFECTED:** It is recommended that a note to "See Service Instructions No. 0908" be made in the following:

BEEHCRAFT 19, 23, and 24 series Shop Manual copies, P/N 169-590015F or subsequent, Section 4.

BEEHCRAFT 19, 23, and 24 series Parts Catalog copies, P/N 169-590012I or subsequent, Figure 392E.

**ACCOMPLISHMENT INSTRUCTIONS:** These Service Instructions may be accomplished as follows:

### PART I AND PART II

1. Disconnect the battery.
2. Remove the right hand kick panel forward of the cabin door.
3. Remove the two subpanel cover screws on the right edge of the subpanel.
4. Remove the nuts on the face of the subpanel which secure the "Push-Pull" circuit breakers in the subpanel.
5. Gently lift the right side of the subpanel cover to expose the attaching screws for the CM-3 (3-amp) alternator field circuit breaker.
6. Drill out and discard the two screws which hold the alternator field circuit breaker to the subpanel and remove the circuit breaker.

### PART I ONLY

1. Splice the two circuit breaker wires together using the P/N 320559 connector.
2. Install the P/N 48152 plug in the alternator field circuit breaker opening.

### PART II ONLY

1. Install the P/N 7277-2-5 (5-amp) circuit breaker.

PART I AND PART II continued

7. Reinstall the nuts on the "Push-Pull" circuit breakers, the two screws on the outboard end of the right subpanel, and the kick panel.
8. Reconnect the electrical power.

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**RECORD COMPLIANCE:**

Upon completion of these Service Instructions make an appropriate maintenance record entry.