

TITLE

INDICATING/RECORDING SYSTEMS - FLIGHT HOUR METER REPLACEMENT

EFFECTIVITY

MODEL	SERIAL NUMBERS
C90GTi	LJ-1927 thru LJ-2179
B200	BB-2004 thru BB-2019
B200C	BL-152 thru BL-171
200CT, B200CT	BN-1 thru BN-4
200T, B200T	BT-1 thru BT-43
B200GT	BY-1 thru BY-394
B200CGT	BZ-1 thru BZ-2
B300	FL-381, FL-383 thru FL-1257
B300C	FM-12 thru FM-99

REASON

The existing flight hour meter is obsolete.

DESCRIPTION

This service document provides parts and instructions to remove and replace the flight hour meter.

COMPLIANCE

OPTIONAL. This service document can be accomplished at the discretion of the owner.

A service document published by Textron Aviation may be recorded as *completed* in an aircraft log only when the following requirements are satisfied:

- 1) The mechanic must complete all of the instructions in the service document, including the intent therein.
- 2) The mechanic must correctly use and install all applicable parts supplied with the service document kit. Only with written authorization from Textron Aviation can substitute parts or rebuilt parts be used to replace new parts.
- 3) The mechanic or airplane owner must use the technical data in the service document only as approved and published.
- 4) The mechanic or airplane owner must apply the information in the service document only to aircraft serial numbers identified in the *Effectivity* section of the document.
- 5) The mechanic or airplane owner must use maintenance practices that are identified as acceptable standard practices in the aviation industry and governmental regulations.

No individual or corporate organization other than Textron Aviation is authorized to make or apply any changes to a Textron Aviation-issued service document or flight manual supplement without prior written consent from Textron Aviation.

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Textron Aviation Customer Service, P.O. Box 7706, Wichita, KS 67277, U.S.A. 1-316-517-5800

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Textron Aviation is not responsible for the quality of maintenance performed to comply with this document, unless the maintenance is accomplished at a Textron Aviation-owned Service Center.

APPROVAL

Textron Aviation received FAA approval for the technical data in this publication that changes the airplane type design.

FLIGHT CREW OPERATIONS

No Changes

CONSUMABLE MATERIAL

No specialized consumable materials are required to complete this service document.

TOOLING

No specialized tooling is required to complete this service document.

WEIGHT AND BALANCE INFORMATION

Negligible

REFERENCES

King Air Model C90GTi Fusion Maintenance Manual
200 Series Aircraft Maintenance Manual
Super King Air B200GT/B200CGT Fusion Maintenance Manual.
Super King Air B300/B300C Maintenance Manual
Super King Air B300/B300C Fusion Maintenance Manual

PUBLICATIONS AFFECTED

King Air Model C90GTi Fusion Maintenance Manual
C90GTi Series Illustrated Parts Catalog
200 Series Aircraft Maintenance Manual
200/200T/200CT Illustrated Parts Catalog
B200/B200T/B200C/B200CT Illustrated Parts Catalog
Super King Air B200GT/B200CGT Fusion Maintenance Manual
B200GT/B200CGT Illustrated Parts Catalog
Super King Air B300/B300C Maintenance Manual
B300/B300C Illustrated Parts Catalog FL-1 thru FL-600, FL602 thru FL-671, FL-673 thru FL-687, FM1 thru FM-35
Super King Air B300/B300C Fusion Maintenance Manual
B300/B300C Illustrated Parts Catalog FL-601, FL-672, FL-688 and After, FM-36 and After

ACCOMPLISHMENT INSTRUCTIONS

1. Prepare the airplane for maintenance.
 - A. Make sure that the airplane is electrically grounded.
 - B. Make sure that all switches are in the OFF/NORM position.
 - C. Disconnect electrical power from the airplane.
 - (1) Disconnect external electrical power.

- (2) Disconnect the airplane battery.
- D. Attach maintenance warning tags to the battery and external power receptacle that have **"DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS"** written on them.
2. (Refer to Figure 1, Sheet 1.) Remove and retain six screws that attach the electroluminescent panel and plate to the sub-panel support structure.
 - A. Retain the electroluminescent panel.
 - B. Remove and keep the screws from the oxygen gage.
3. Remove and retain two screws that attach the 130-322022-0003 Plate to the sub-panel support structure.
4. Carefully pull the 130-322022-0003 Plate away from the support structure to remove the 85012 Flight Hour Meter, Air Temperature Gauge, Vacuum Indicator, Pneumatic Pressure Gage, Oxygen Gage Assembly and the Connector (J292).
 - A. Identify, tag and disconnect electrical wires from the 85012 Flight Hour Meter, Air Temperature Gauge and the Connector (J292).
 - B. Identify, tag and disconnect tubes from the Vacuum Indicator, Pneumatic Pressure Gage and Oxygen Gage Assembly.
5. Disconnect the electrical connector (J292) from the 130-322022-0003 Plate.
6. Remove and retain the Air Temperature Gauge, Vacuum Indicator, Pneumatic Pressure Gage, Oxygen Gage Assembly from the 130-322022-0003 Plate.
 - A. Retain all the hardware.
7. Remove and discard the four MS24693-S30 Screws that attach the 85012 Flight Hour Meter to the plate.
8. Remove and discard the spacer and the bracket from the 85012 Flight Hour Meter.
9. Discard the 130-322022-0003 Plate.
10. Install the Air Temperature Gauge, Vacuum Indicator, Pneumatic Pressure Gage, Oxygen Gage Assembly to the new 130-322022-0005 Plate using the retained hardware.
11. Install the new 732-0001 Flight Hour Meter to the 130-322022-0005 Plate using the three MS24693-BB26 Screws and three MS33737-10C Nuts.
12. Remove the tags and connect the electrical wires to the 732-0001 Flight Hour Meter and Air Temperature Gauge.
13. Remove the tags and connect the tubes to the Vacuum Indicator, Pneumatic Pressure Gage and Oxygen Gage Assembly.
14. Connect the electrical connector (J292) to the 130-322022-0005 Plate.
15. Install the plate to the sub-panel support structure using the retained two screws.
16. Install the kept four screws into the oxygen gage.
17. Install the electroluminescent panel and plate to the sub-panel support structure using the retained six screws.
18. Remove the maintenance warning tags and connect the airplane battery.
19. Confirm correct operation of removed components.

20. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

NOTE: Textron Aviation recommends that compliance with all service documents is reported to a maintenance tracking system provider.

- Complete a record of compliance. (Maintenance Transaction Report, Log Book Entry, or other record of compliance.)
- Put a copy of the completed record of compliance in the airplane logbook.
- Send a copy of the completed record of compliance to the maintenance tracking system provider used.

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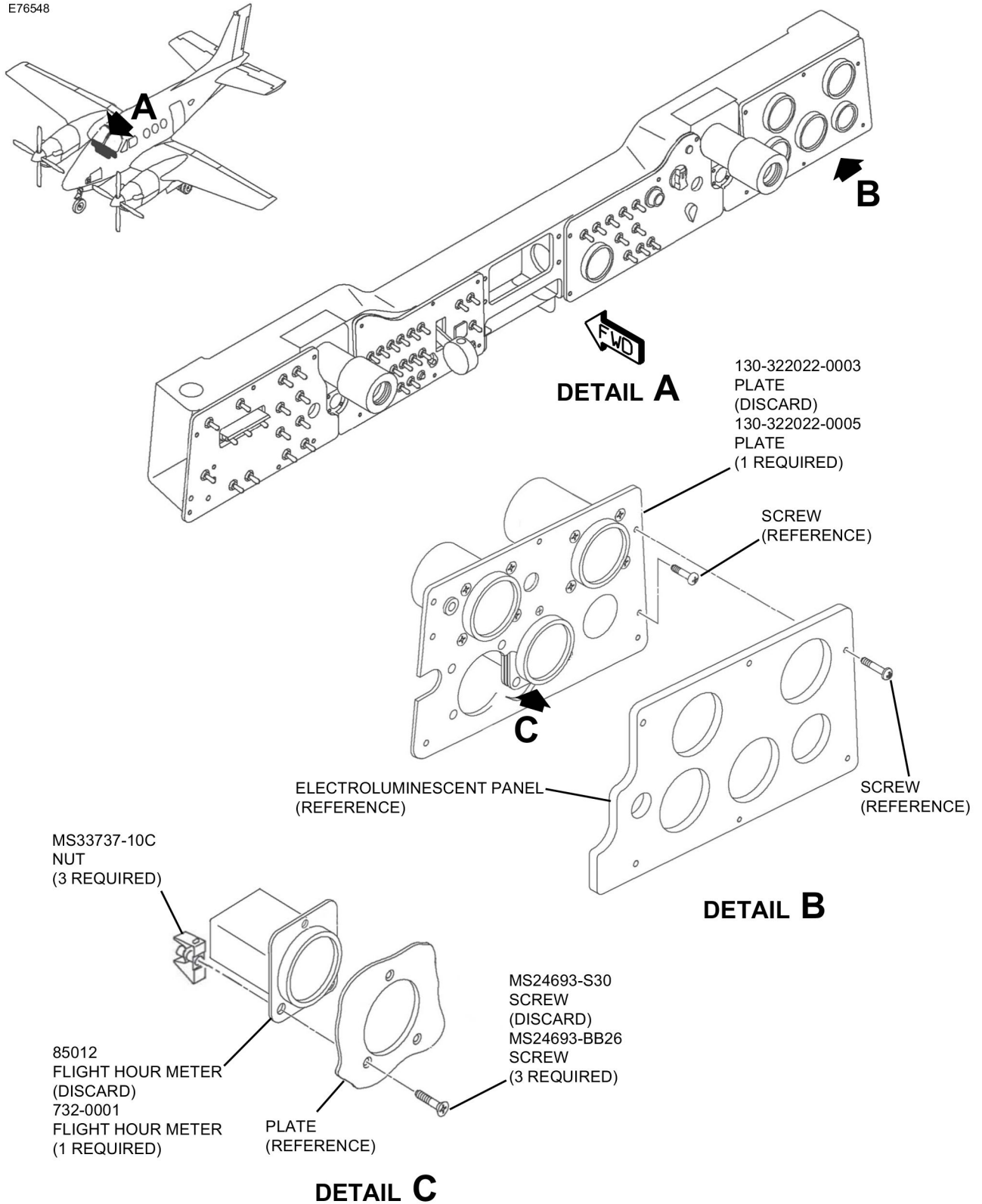


Figure 1. Flight Hour Meter Installation (Sheet 1)

MATERIAL INFORMATION

Order the kit below to install this modification.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
MTB-31-02	1	Kit , consisting of the following parts:		
MS24693-BB26	3	Screw	MS24693-S30	Discard
MS33737-10C	3	Nut		Install
130-322022-0005	1	Plate	130-322022-0003	Discard
732-0001	1	Flight Hour Meter	85012	Discard
MTB-31-02	1	Instructions		

* Please contact your Regional Textron Aviation Parts Distribution Customer Support Team for current cost and availability of parts listed in this service document. Phone at 1-800-835-4000 (Domestic) or 1-316-517-5603 (International).

For more information, please visit the TAPD Support & Aftermarket Account Management website at <https://ww2.txtav.com/Parts/Promos/TAPD>.

Based on availability and lead times, parts may require advanced scheduling.

TITLE

INDICATING/RECORDING SYSTEMS - FLIGHT HOUR METER REPLACEMENT

TO:

Beechcraft Models C90GTi, B200, B200C, 200CT, B200CT, 200T, B200T, B200GT, B200CGT, B300, and B300C Aircraft Owner

REASON

The existing flight hour meter is obsolete.

COMPLIANCE

OPTIONAL. This service document can be accomplished at the discretion of the owner.

LABOR HOURS**WORK PHASE**

Modification

LABOR-HOURS

As Necessary

MATERIAL AVAILABILITY**PART NUMBER**

MTB-31-02

AVAILABILITY

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COST

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* Please contact your Regional Textron Aviation Parts Distribution Customer Support Team for current cost and availability of parts listed in this service document. Phone at 1-800-835-4000 (Domestic) or 1-316-517-5603 (International).

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WARRANTY

None

NOTE: As a convenience, service documents are now available online to all our customers through a simple, free-of-charge registration process. If you would like to sign up, please visit the Customer Access link at www.txtavsupport.com to register.

