

SERVICE BULLETIN

Beech

Kit No. 36-4012-1
Kit No. 36-4012-3
Kit No. 36-4012-5
Kit No. 36-4012-7
Kit No. 36-4012-9

Kit No. 36-4012-11
Kit No. 36-4012-13
Kit No. 36-4012-15
Kit No. 36-4012-17
Kit No. 36-4012-19

Kit No. 36-4012-21
Kit No. 102-4009-1
Kit No. 102-4009-3
Kit No. 102-4009-5

TITLE: FUSELAGE – 5TH AND 6TH SEAT ATTACHMENT IMPROVEMENT

1. Planning Information

A. Effectivity

(1) Airplanes

Beech Bonanza 36/A36, Serials E-1 through E-3192;
Beech Bonanza A36TC, Serials EA-1 through EA-241 and EA-243 through EA-272;
Beech Bonanza B36TC, Serials EA-242 and EA-273 through EA-619;
Beech Baron B55 (95-B55), Serials TC-1299 through TC-2456;
Beech Baron E55, Serials TE-768 through TE-1201;
Beech Baron A56TC, Serials TG-84 through TG-94;
Beech Baron 58, Serials TH-1 through TH-1865;
Beech Baron 58P, Serials TJ-3 through TJ-497;
Beech Baron 58TC, Serials TK-1 through TK-151.

If you are no longer in possession of the airplane, please forward this information to the present owner.

(2) Spares

None.

B. Reason

This Service Bulletin is being issued to reinforce the 5th and 6th seat attachments to provide higher seat load capability and increased crashworthiness.

Raytheon Aircraft Company (RAC) issues Service Information for the benefit of owners and fixed base operators in the form of two classes of Service Bulletins. The first class, Mandatory Service Bulletins (red border) includes changes, inspections and modifications that could affect safety or crashworthiness. RAC also issues Service Bulletins with no red border which are designated as either recommended or optional in the compliance section within the bulletin. In the case of recommended Service Bulletins, RAC feels the changes, modifications, improvements or inspections will benefit the owner/operator and although highly recommended, Recommended Service Bulletins are not considered mandatory at the time of issuance. In the case of Optional Service Bulletins, compliance with the changes, modifications, improvements or inspections is at the owner/operator's discretion. Both classes are mailed to:

(a) RAC Authorized Service Centers.

(b) Owners of record on the FAA Aircraft Registration Branch List and the RAC International Owner Notification/Registration Service List.
(c) Those having a publications subscription.

Information on Owner Notification Service or subscription can be obtained through any RAC Authorized Service Center. As Mandatory Service Bulletins and Service Bulletins are issued, temporary notification in the Service Bulletin Master Index should be made until the index is revised. Warranty will be allowed only when specifically defined in the Service Bulletin and in accordance with the RAC Warranty Policy.

Unless otherwise designated, RAC Mandatory Service Bulletins, Service Bulletins and RAC Kits are approved for installation on RAC airplanes in original or RAC modified configurations only. RAC Mandatory Service Bulletins, Service Bulletins and Kits may not be compatible with airplanes modified by STC installations or modifications other than RAC approved kits.



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C. Description

This Service Bulletin modifies the 5th and 6th seat attachments in accordance with the appropriate kits listed under MATERIAL. The kits add radius blocks under the seat structure at the inboard attachment locations and increase the gage of the inboard and outboard seat brackets.

D. Compliance

Raytheon Aircraft Company considers this to be a mandatory modification and it should be accomplished at or before the next scheduled inspection after receipt of this Service Bulletin.

An Airworthiness Directive has been requested on the matter covered by this Service Bulletin.

E. Approval

The engineering data contained in this Service Bulletin is FAA approved.

F. Manpower

The following information is for planning purposes only:

Estimated man-hours to accomplish Kit No. 36-4012-1: 16 hours.

Estimated man-hours to accomplish Kit No. 36-4012-3: 10 hours.

Estimated man-hours to accomplish Kit No. 36-4012-5: 10 hours.

Estimated man-hours to accomplish Kit No. 36-4012-7: 16 hours.

Estimated man-hours to accomplish Kit No. 36-4012-9: 10 hours.

Estimated man-hours to accomplish Kit No. 36-4012-11: 10 hours.

Estimated man-hours to accomplish Kit No. 36-4012-13: 16 hours.

Estimated man-hours to accomplish Kit No. 36-4012-15: 16 hours.

Estimated man-hours to accomplish Kit No. 36-4012-17: 16 hours.

Estimated man-hours to accomplish Kit No. 36-4012-19: 10 hours.

Estimated man-hours to accomplish Kit No. 36-4012-21: 10 hours.

Estimated man-hours to accomplish Kit No. 102-4009-1: 19 hours.

Estimated man-hours to accomplish Kit No. 102-4009-3: 13 hours.

Estimated man-hours to accomplish Kit No. 102-4009-5: 10 hours.

Suggested number of men: 1 man.

The above is an estimate based on experienced, properly equipped personnel complying with this Service Bulletin. Occasionally, after work has started, conditions may be found which could result in additional man-hours.

G. Weight and Balance

Negligible.

H. Electrical Load Data

Not changed.

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I. Software Accomplishment Summary

Not applicable.

J. References

None.

K. Publications Affected

It is recommended that a note "See Service Bulletin No. 53-3159" be made in the appropriate Chapter of the applicable Illustrated Parts Catalog.

L. Interchangeability of Parts

Not applicable.

M. Warranty Credit

Warranty credit for parts to the extent noted under MATERIAL will be allowed on all affected airplanes. A copy of the log book entry for this Service Bulletin must accompany each claim to receive credit for the kit.

Warranty coverage offered in this Service Bulletin will expire 12 months from the last day of the month this Service Bulletin is issued. After that date, the owner/operator assumes the responsibility for compliance cost. Raytheon Aircraft Company reserves the right to void warranty coverage in the area affected by this Service Bulletin until the date the Service Bulletin is accomplished by a Raytheon Aircraft Company Authorized Service Center.

All warranty work must be accomplished by a Raytheon Aircraft Authorized Service Center rated to perform maintenance on the specific model of Beech Airplane.

All warranty reimbursements are handled through Raytheon Aircraft Company Authorized Service Centers. The owner/operator should arrange for an Authorized Service Center to perform the work and the Authorized Service Center must submit the standard Raytheon Aircraft Company warranty claim.

2. Material Information

A. Materials – Price and Availability

Contact a Raytheon Aircraft Authorized Service Center for information.

B. Industry Support

Not applicable.

C. Airplanes

- (1) The following kits required for this modification may be ordered through a Raytheon Aircraft Authorized Service Center or RAPID:

Model/Serial	Part Number	Description	Quantity Per Airplane
Model 36, Serials E-1 through E-145	36-4012-1	5 th and 6 th seat attachments	1
Model 36, Serials E-1 through E-145	36-4012-3	5 th seat attachment only	1

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Model/Serial	Part Number	Description	Quantity Per Airplane
Model 36, Serials E-1 through E-145	36-4012-5	6 th seat attachment only	1
Model 36, Serials E-146 through E-184; Model A36, Serials E-185 through E-571	36-4012-7	5 th and 6 th seat attachments	1
Model 36, Serials E-146 through E-184; Model A36, Serials E-185 through E-571	36-4012-9	5 th seat attachment only	1
Model 36, Serials E-146 through E-184; Model A36, Serials E-185 through E-571	36-4012-11	6 th seat attachment only	1
Model A36, Serials E-221 through E-571	36-4012-13	5 th and 6 th seat attachments (club seating)	1
Model A36, Serials E-572 through E-1370	36-4012-15	5 th and 6 th seat attachments (club seating)	1
Model A36, Serials E-572 through E-3192; Models A36TC/B36TC, Serials EA-1 through EA-619; Model B55, Serials TC-1299 through TC-2456; Model E55, Serials TE-768 through TE-1201; Model A56TC, Serials TG-84 through TG-94; Model 58, Serials TH-1 through TH-1865; Model 58TC, Serials TK-1 through TK-151	36-4012-17	5 th and 6 th seat attachments	1
Model A36, Serials E-572 through E-3192; Models A36TC/B36TC, Serials EA-1 through EA-619; Model B55, Serials TC-1299 through TC-2456; Model E55, Serials TE-768 through TE-1201; Model A56TC, Serials TG-84 through TG-94; Model 58, Serials TH-1 through TH-1865; Model 58TC, Serials TK-1 through TK-151	36-4012-19	5 th seat attachment only	1
Model A36, Serials E-572 through E-3192; Models A36TC/B36TC, Serials EA-1 through EA-619; Model B55, Serials TC-1299 through TC-2456; Model E55, Serials TE-768 through TE-1201; Model A56TC, Serials TG-84 through TG-94; Model 58, Serials TH-1 through TH-1865; Model 58TC, Serials TK-1 through TK-151	36-4012-21	6 th seat attachment only	1
Model 58P, Serials TJ-3 through TJ-497	102-4009-1	5 th and 6 th seat attachments	1
Model 58P, Serials TJ-3 through TJ-497	102-4009-3	5 th seat attachment only	1
Model 58P, Serials TJ-3 through TJ-497	102-4009-5	6 th seat attachment only	1

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The parts required for this modification are contained in the above Kit Nos. These kits may be ordered through a Raytheon Aircraft Authorized Service Center. Raytheon Aircraft Company expressly reserves the right to supersede, cancel and/or declare obsolete, without prior notice, any kits, parts or publications that may be referenced in this Service Bulletin.

CAUTION

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

- (2) The following materials may be obtained locally:

Part Number	Description	Quantity Per Airplane
AF3306	Scrim Cloth	As Required
EA9309NA	Adhesive	As Required
Alodine1200, 1200S, or 1201	Chemical Conversion Coating	As Required
MIL-P-23377	Epoxy Polyamide Primer	As Required

D. Spares

Not applicable.

E. Reidentified Parts

None.

F. Tooling – Price and Availability

Not applicable.

3. Accomplishment Instructions

This Service Bulletin shall be accomplished as follows:

NOTE

Should any difficulty be encountered in accomplishing this Service Bulletin, contact Raytheon Aircraft Company 1-800-429-5372 or 316-676-3140.

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A. Airplane

WARNING

Observe all Warnings and Cautions contained in the aircraft manuals referred to in this Service Bulletin.

Whenever any part of this system is dismantled, adjusted, repaired or renewed, detailed investigation must be made on completion to make sure that distortion, tools, rags or any other loose articles or foreign matter that could impede the free movement and safe operation of the system are not present, and that the systems and installations in the work area are clean.

- (1) Install the appropriate Seat Attachment Kit. The parts and instructions required to modify the 5th and 6th seat attachments are included in the Seat Attachment Kit. Reference the MATERIAL section of this Service Bulletin for information on obtaining this kit.
- (2) Apply Alodine 1200, 1200S, or 1201 (obtain locally) to all bare surfaces. Allow the Alodine to dwell for approximately five minutes. After the dwell time has elapsed, wash the treated areas with water and blow dry (do not wipe dry).
- (3) Paint the treated areas with Epoxy Polyamide Primer (MIL-P-23377).
- (4) Clean the area below the floorboards prior to closing.
- (5) Return airplane to service.

B. Spares

Not applicable.

C. Record of Compliance

Upon completion of this Service Bulletin, 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 for future reference until the listing of parts has been incorporated into the Parts Catalog.