

1. SCOPE

1.1 Purpose.- The purpose of this specification is to authorize the use of reconditioned parts and provide reconditioning instructions for component parts of the furnishing installations 84-180630, 804-180525, 804-180630, 824-180630 and 824-180640 as installed in T-7, T-7C UC-45B, C-45F and E-11 aircraft and instructions for modifications required to adapt them for use in C-45G and C-45H aircraft in accordance with Drawing 694-180630.

1.2 Application.- All reconditioning operations and repairs covered by this specification may be accomplished where required without further authorization. Repairs not authorized by this specification cannot be performed without further authorization.

1.3 List of Pages and Revisions.- This specification consists of the pages listed below. An asterisk (\*) denotes pages revised by the current revision.

<u>Page</u>	<u>Date</u>	<u>Description of Revision</u>	<u>Serial Effectivity</u>
1	4-28-53		
2	4-28-53		
3	4-28-53		
4	4-28-53		
5	4-28-53		
6	4-28-53		
7	4-28-53		
8	4-28-53		
9	4-28-53		
10	4-28-53		
11	4-28-53		

APPROVED:

*Kenneth O. G...*  
USAF Quality Control

WRITTEN BY <i>K. M. J...</i>	DATE ISSUED 4-28-53	OVERHAUL SPECIFICATION FURNISHINGS INSTALLATION - MODEL C-45G AND C-45H		
PROJECT ENGINEER <i>[Signature]</i>	DATE REVISED			
APPROVAL <i>[Signature]</i>		Beech Aircraft CORPORATION Wichita 1, Kansas	OVERHAUL SPECIFICATION NO. 5301	PAGE 1

# 68

2. APPLICABLE PUBLICATIONS

2.1 Specifications:

2.1.1 Army and Navy.-

AN-QQ-A-696A Anodic Film, Corrosion Protective for Aluminum Alloys

2.1.2 Beech.-

MP 1122 Stripping Anodic Coating  
 FS 370A Finish Specification for Model C-45G and C-45H Aircraft  
 OS 7002 Cleaning Procedures for Reconditioned Aircraft  
 OS 7008 General Acceptable Quality Standards  
 OS 7010 Removing Corrosion from Aluminum Parts

2.1.2\* Technical Orders.- Compliance with this specification constitutes compliance with the technical orders listed below.

03-1-2 Use, Inspection, Cleaning, Repair and Testing of Safety Belts and Safety Shoulder Harness, dated August 25, 1950

05-40-16 Free Air Thermometers Army Types C-13, C-13A and C-13B, dated July 30, 1945

3. REQUIREMENTS

3.1 Parts Involved.- For parts involved in addition to those covered by this specification, refer to the overhaul specifications listed below.

OS 5310 Floor Boards for Model C-45G and C-45H Aircraft

OS 4010 Nose Baggage, Cabin and Bulkhead Doors for Model C-45G and C-45H Aircraft

3.1.1 Parts Not Used.- All parts listed on Drawings 84-180630, 804-180525, 804-180630, 824-180630 and 824-180640 furnishings installations will not be used on the C-45G or C-45H and will be disposed of at the direction of the customer except those parts listed in Paragraph 3.1.2 of this specification.

WRITTEN BY <i>E. M. Fauguet</i>	DATE ISSUED 4-28-53	<b>OVERHAUL SPECIFICATION FURNISHINGS INSTALLATION - MODEL C-45G AND C-45H</b>		
PROJECT ENGINEER				
APPROVAL <i>[Signature]</i>	DATE REVISED	Beech Aircraft CORPORATION Wichita 1, Kansas	OVERHAUL SPECIFICATION NO. 5301	PAGE 2
APPROVAL <i>[Signature]</i>				

3.1.2 Parts to be Reconditioned.- The following parts are to be reconditioned in accordance with the instructions contained herein. "Reconditioned" means the disassembly, cleaning, inspection and correction of discrepancies, repair and/or replacement of components, and modifications to incorporate changes in accordance with applicable engineering drawings to assure an operationally safe and serviceable aircraft.

3.1.2.1 Furnishings Installations 84-180630, 804-180525, 804-180630, 824-180630 and 824-180640.-

36G4465	Airplane mooring kit
---	Load adjuster bracket
84-183520	Map case
L-1148	Ash tray
42D8331	Axe
39D3922	Check list holder assembly
0161366	Type A-2 flight report holder
94-2732B	Type C-13B thermometer
184096P	Door assembly
804-180611	Door assembly
84-183150	Baggage compartment floor installation
814-183120	Pilots floor board installation
824-183300	Cabin floor installation
824-183100	Cabin floor installation
804-183140	Pilots compartment floor board installation
84-183100	Cabin floor board installation
804-183120	Pilots compartment floor board installation
84-183120	Pilots compartment floor board installation

3.1.2.1.1 Lavatory Compartment Installation 84-183200.-

No. 1608	Toilet assembly
No. 7276	Footman loop
183209	Belt assembly

WRITTEN BY <i>C. M. Furgut</i>	DATE ISSUED 4-28-55	<b>OVERHAUL SPECIFICATION</b> FURNISHINGS INSTALLATION - MODEL C-45G AND C-45H		
PROJECT ENGINEER				
APPROVAL <i>[Signature]</i>	DATE REVISED	Beech Aircraft CORPORATION Wichita 1, Kansas	OVERHAUL SPECIFICATION NO. 5301	PAGE 3
APPROVAL <i>[Signature]</i>				

3.1.2.1.2 Relief Tube Installations 180632U and 804-180632.-

42A6504 Horn  
41A9177 Venturi  
33B4741 Bracket

3.1.2.1.3 Chair Assemblies 804-183297 and 804-183297-1.-

804-183315 Leg assembly  
804-183322 Screw  
804-183318 Universal  
144760 Handle  
142017 Handle  
183309 Leg assembly  
0161366 Type A-2 flight report holder

3.1.3 Parts to be Supplied New.- All parts called out on Drawing 694-180630 furnishings installation will be supplied new except those parts listed in Paragraph 3.1.2 of this specification.

3.2 Cause for Rejection.- Damage or wear which cannot be corrected by one or more of the authorized repairs listed in Paragraph 3.4 of this specification is cause for rejection.

3.3 Reconditioning Operations:

3.3.1 Furnishings Installations 84-180630, 804-180525, 804-180630, 824-180630 and 824-180640:

3.3.1.1 Airplane Mooring Kit 364465.-

- (a) Inspect all parts for nonrepairable conditions.
- (b) The 364465-1 airplane mooring bag will be cleaned by dampening a clean cloth or soft bristle brush with trichlorethylene or dry cleaning solvent and rubbing soiled areas.
- (c) Metal parts of the mooring kit contents will be cleaned in accordance with OS 7002.

WRITTEN BY <i>R. M. Fuguet</i>	DATE ISSUED 4-28-53	OVERHAUL SPECIFICATION FURNISHINGS INSTALLATION - MODEL C-45G AND C-45H		
PROJECT ENGINEER <i>[Signature]</i>	DATE REVISED	Reech Aircraft CORPORATION Wichita, Kansas	OVERHAUL SPECIFICATION NO. 5301	PAGE 4
APPROVAL <i>[Signature]</i>				
APPROVAL <i>[Signature]</i>				

3.3.1.1 Airplane Mooring Kit 3604465.- (Continued)

- (d) Replace the 33D2721 airplane mooring ropes with new parts, or parts made of equivalent materials.
- (e) The 3604465 airplane mooring kit will be reissued on the C-45G and C-45H as a part of the miscellaneous loose equipment installation 694-180020.

3.3.1.2 Load Adjuster Bracket.

- (a) Inspect for nonrepairable conditions.
- (b) Clean in accordance with OS 7002.
- (c) Finish in accordance with FS 370A.

3.3.1.3 Map Case 84-183520.-

- (a) Inspect for nonrepairable conditions.
- (b) Clean in accordance with OS 7002.
- (c) Remove corrosion in accordance with OS 7010.
- (d) Repair as necessary as authorized herein.
- (e) Finish in accordance with FS 370A.

3.3.1.4 Ash Tray L-1148.-

- (a) Inspect for nonrepairable conditions.
- (b) Disassemble and clean in accordance with OS 7002.
- (c) Finish knob and door in accordance with FS 370A.

3.3.1.5 Axe 42D8331.-

- (a) Inspect for damage and excessive corrosion. No reconditioning should be necessary on this part. Reissue on the C-45G and C-45H as a part of the miscellaneous loose equipment installation 694-180020.

3.3.1.6 Check List Holder Assembly: 39D3922.-

- (a) Inspect for nonrepairable conditions.
- (b) Clean in accordance with OS 7002.

WRITTEN BY <i>L. M. Fauguet</i>	DATE ISSUED 4-28-53	<b>OVERHAUL SPECIFICATION FURNISHINGS INSTALLATION - MODEL C-45G AND C-45H</b>		
PROJECT ENGINEER <i>[Signature]</i>	DATE REVISED			
APPROVAL <i>[Signature]</i>		Beech Aircraft CORPORATION Wichita 1, Kansas	OVERHAUL SPECIFICATION NO. 5301	PAGE 5

3.3.1.7 Type A-2 Flight Report Holder Assembly 0141366.-

- (a) Inspect for nonrepairable conditions.
- (b) Strip and refinish with varnish.

3.3.1.8 Type C-13B Thermometer 94-2732B.-

- (a) Inspect for nonrepairable conditions.
- (b) Check the accuracy of the temperature indications of the thermometer against that of a high quality, standard thermometer covering the range of -70 to +50° C with at least 1° C divisions and of known accuracy. Temperature variations may be accomplished by using a liquid bath. This should be in an open vessel with a capacity of about two gallons. The liquid may be water except for temperatures below 0° C (32° F) in which case alcohol may be used. The water bath may be heated by means of a gas burner or electric heater. The alcohol bath may be cooled by the addition of pulverized solid carbon dioxide, "dry ice". The liquid should be thoroughly and continually agitated while making tests.

The thermometer to be checked should be inserted in a rack supported above the liquid so that the stem will be immersed approximately 2-1/2-inches in the liquid. The liquid should then be brought to the desired temperature and held constant for one minute, after which comparative readings may be taken at that temperature.

The bimetallic element may be permanently damaged if the thermometer stem is suddenly immersed in a low temperature bath. When checking calibration, the thermometer stem will be subjected to temperature change gradually in steps of 20° C.

Since these thermometers are inherently very accurate they should be very carefully checked at the following points:

True °C	Allowable Tolerance ± °C
40	0.5
20	0.5
0	0.5
-20	0.5
-40	0.5
-60	1.0
-70	1.5

If the thermometers exceed the allowable tolerances by a maximum of 1.5° C they may be used, but it is recommended

WRITTEN BY <i>E. M. August</i>	DATE ISSUED 4-28-53	<b>OVERHAUL SPECIFICATION FURNISHINGS INSTALLATION - MODEL C-45G AND C-45H</b>		
PROJECT ENGINEER <i>E. M. August</i>	DATE REVISED			
APPROVAL <i>[Signature]</i>		Beech Aircraft CORPORATION Wichita 1, Kansas	OVERHAUL SPECIFICATION NO. 5301	PAGE 6

3.3.1.8 Type C-13B Thermometer 94-2732B.- (Continued)

that a scale error correction card be attached to the thermometer for installation in the airplanes near the thermometer. Thermometers exceeding the allowable tolerances by more than 1.5° C will be replaced.

- (c) Install new 96451 rubber bushings.

3.3.1.9 Lavatory Compartment Installation 84-183200:

3.3.1.9.1 Toilet Assembly No. 1608.-

- (a) Inspect for nonrepairable conditions. Maximum diameter of toilet (excluding lid) acceptable for use is 1 1/4 inches. Remove useable components of damaged toilets for use on repairable ones.
- (b) Clean in accordance with OS 7002.
- (c) Remove corrosion in accordance with OS 7010.
- (d) Repair as necessary as authorized herein.
- (e) Finish in accordance with FS 370A.

3.3.1.9.2 Footman Loop No. 7276.-

- (a) Inspect for nonrepairable conditions.
- (b) Clean in accordance with OS 7002.

3.3.1.9.3 Belt Assembly 183209.-

- (a) Inspect for nonrepairable conditions.
- (b) Clean by dampening a clean cloth or a soft bristle brush with trichlorethylene or dry cleaning solvent and rubbing soiled areas.

3.3.1.10 Relief Tube Installations 180632U and 804-180632:

WRITTEN BY <i>L. W. Farnquist</i>	DATE ISSUED 4-28-53	<b>OVERHAUL SPECIFICATION</b> FURNISHINGS INSTALLATION - MODEL C-45G AND C-45H		
PROJECT ENGINEER <i>[Signature]</i>	DATE REVISED			
APPROVAL <i>[Signature]</i>		Deech Aircraft CORPORATION Wichita 1, Kansas	OVERHAUL SPECIFICATION NO. 5301	PAGE 7

3.3.1.10.1 Horn 42A6504; Venturi 41A9177; and Bracket 33B4741.-

- (a) Inspect for nonrepairable conditions. Cracked or chipped parts will not be acceptable.
- (b) Clean in accordance with OS 7002.

3.3.1.11 Chair Assemblies 804-183297 and 804-183297-1:

3.3.1.11.1 Leg Assemblies 804-183315 and 183309.-

- (a) Inspect for nonrepairable conditions.
- (b) Clean in accordance with OS 7002.
- (c) Repair as necessary as authorized herein.
- (d) Finish in accordance with FS 370A.

3.3.1.11.2 Screw 804-183322 and Universal 804-183318.-

- (a) Inspect for nonrepairable conditions.
- (b) Clean in accordance with OS 7002.
- (c) Repair as necessary as authorized herein.
- (d) Strip the 804-183322 screw in accordance with MP 1122 and anodize in accordance with Specification AN-QQ-A-696A.

3.3.1.11.3 Handles 144760 and 142017.-

- (a) Inspect for nonrepairable conditions.
- (b) Clean in accordance with OS 7002.

3.3.1.11.4 Type A-2 Flight Report Holder 0161366.-

- (a) Recondition in accordance with Paragraph 3.3.1.7 of this specification.

3.4 Authorized Repairs:

WRITTEN BY <i>L. M. August</i>	DATE ISSUED 4-28-53	<b>OVERHAUL SPECIFICATION</b> FURNISHINGS INSTALLATION - MODEL C-45G AND C-45H		
PROJECT ENGINEER <i>G. J. ...</i>	DATE REVISED	Resch Aircraft CORPORATION Wichita 1, Kansas	OVERHAUL SPECIFICATION NO. 5301	PAGE 8
APPROVAL <i>[Signature]</i>				



3.4.1 Furnishings Installations 84-180630, 804-180525, 804-180630, 824-180630 and 824-180640:

3.4.1.1 Map Case 84-183520.-

- (a) Remove dents and straighten in accordance with best shop practices.

3.4.1.2 Lavatory Compartment Installation 84-183200:

3.4.1.2.1 Toilet Assembly No. 1608.-

- (a) Tie down loops must be approximately as shown on Wickland Manufacturing Company Drawing 1608A. When missing or broken, fabricate and install OS 5301-8 loop as illustrated in Figure 1 of this specification.
- (b) Vent may be located 8 to 10 inches from the bottom of the toilet radial location as shown on Drawing 1608A. Cut out old vent tubes when relocation is necessary and install OS 5301-2 vent assembly illustrated in Figure 1 of this specification. Old vent hole is to be covered by OS 5301-2 vent assembly or by patching. Patches and OS 5301-2 vent assembly are to be attached with AN470AD4 rivets spaced 1/2-inch with 1/4-inch edge distance. Patches are to be fabricated from .032 61S-T4 aluminum alloy conforming to Specification QQ-A-327, Temper T4. Patches are to be square, 1 inch wider than the maximum dimension of the hole to be patched.

3.4.1.3 Chair Assemblies 804-183297 and 804-183297-1:

3.4.1.3.1 Leg Assemblies 804-183315 and 183309.-

- (a) Straighten and align slightly bent leg assemblies in accordance with best shop practice.

3.4.1.3.2 Screw 804-183322 and Universal 804-183318.-

- (a) Chase threads that are slightly damaged.

WRITTEN BY <i>R. M. Fauguet</i>	DATE ISSUED 4-28-53	OVERHAUL SPECIFICATION FURNISHINGS INSTALLATION - MODEL C-45G AND C-45H		
PROJECT ENGINEER <i>[Signature]</i>	DATE REVISED			
APPROVAL <i>[Signature]</i>		Beech Aircraft CORPORATION Wichita 1, Kansas	OVERHAUL SPECIFICATION NO. 5301	PAGE 9

4. INSPECTION

4.1 General.- The parts will be inspected to the general acceptable standards of OS 7008.

WRITTEN BY <i>E. M. Fauguet</i>	DATE ISSUED 4-28-53	<b>OVERHAUL SPECIFICATION</b>		
PROJECT ENGINEER		FURNISHINGS INSTALLATION. - MODEL C-45G AND C-45H		
APPROVAL <i>[Signature]</i>	DATE REVISED	Beech Aircraft CORPORATION Wichita, L. Kansas	OVERHAUL SPECIFICATION NO. 5301	PAGE 10
APPROVAL <i>[Signature]</i>				

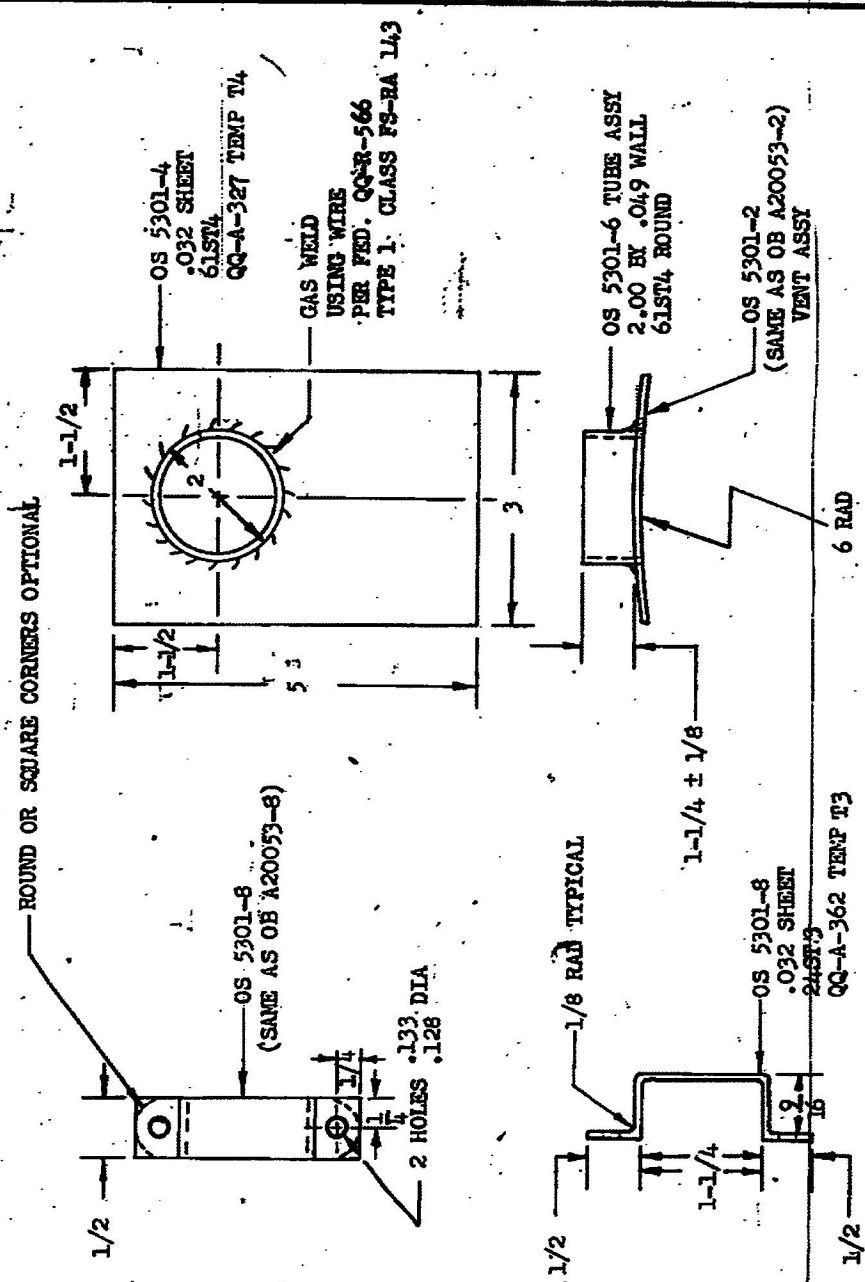


FIGURE 1

WRITTEN BY <i>E. M. Fauguet</i>	DATE ISSUED 4-28-53	<b>OVERHAUL SPECIFICATION</b> FURNISHINGS INSTALLATION - MODEL C-45G AND C-45H		
PROJECT ENGINEER <i>E. Lee</i>				
APPROVAL <i>[Signature]</i>	DATE REVISED	Beech Aircraft CORPORATION Wichita 1, Kansas	OVERHAUL SPECIFICATION	PAGE
APPROVAL <i>[Signature]</i>			NO. 5301	11

