

**DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION**

713  
Revision 2  
Beechcraft  
D17A  
September 23, 2013

**AIRCRAFT SPECIFICATION NO. 713**

Type Certificate Holder

Beechcraft Corporation  
10511 East Central  
Wichita, Kansas 67206

Type Certificate Holder Record:

Beech Aircraft Corporation transferred to  
Raytheon Aircraft Company on April 15, 1996

Raytheon Aircraft Company transferred to  
Hawker Beechcraft Corporation on March 26, 2007

Hawker Beechcraft Corporation transferred to  
Beechcraft Corporation on April 12, 2013

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**MODELS:** Beechcraft D17A (Army UC-43F), 5 PCLB

**T.C. NUMBER:** 713 (Approved 11/7/39)

(Same as Model D17R, T.C. 638, except engine installation)

Engine	Wright R-760E-2
Fuel	80 min. octane aviation gasoline
Engine limits	Maximum, except take-off, 2200 rpm (320 hp)
Airspeed limits (T.I.A.S.)	Take-off (one minute), 2400 rpm (350 hp) Level flight or climb 186 mph; glide or dive 223 mph; flaps extended 115 mph
Propellers limits	Maximum permissible diameter 106 in. (For clearance)
C.G. range	(+16.4) (6.7 percent MAC) to (+25.5) (22.6 percent MAC)
Datum	Leading edge of lower wing
MAC	57.2 inches (L.E. of MAC at +12.6)
Leveling means	Airplane is level when stagger (horizontal distance between wing trailing edges near fuselage) is 25.6 in.
Maximum weight	4250 lbs.
No. seats	5 (two at (+18) and three at (+62))
Maximum baggage	125 lbs. maximum (+88) (See Item 216)
Fuel capacity	98 gallons (one fuselage tank, 29 gallons (+32), two lower wing tanks, 23 gallons each, (+24), one upper right wing tank, 23 gallons (+47)). (See Item 205)
Oil capacity	6.5 gallons (-14)
Control surface movements	Elevators 36 degrees up 26 degrees down Elevator tabs 14.5 degrees up 14.5 degrees down Ailerons 33 degrees up 25 degrees down Rudder 28 degrees right 28 degrees left Rudder tab 20 degrees right 20 degrees left Flaps 45 degrees down
Serial Nos. eligible	D17A-305 and up and all AAF Nos.
Required equipment	Items 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, and 114

**Specifications Pertinent to All Models:**

Certification basis	Type Certificate No. 713 (CAR 4a)
Production basis	None (See NOTE A)
Export eligibility	Eligible for export as follows, subject to provisions of MOP 2-4:
	(a) Canada
	- Landplane - eligible
	- Skiplane - not eligible
	However, structure complies with Canadian requirements for ski gear when item 310 is installed. Maximum pedestal height 17 in. Tread is same as landplane.
	(b) All other countries except New Zealand

**EQUIPMENT:** A plus (+) or minus (-) sign preceding the weight of an optional item indicates the net weight change between that item and the equivalent required item.

**Propellers and Propeller Accessories**

114.	Propeller - Hamilton Standard hub 2B20, blades 6135A-12 or 6135A-13. Diameter 8' 1/8" maximum, 7' 9-7/8" minimum. Low pitch setting 11.7 degrees.	108 lbs.	(-66)
218.	Constant speed governor (Hamilton Standard type 1A1-A5)	5 lbs.	(-61)

**Engine and Engine Accessories - Fuel and Oil Systems**

101.	Engine ring cowling (NACA type)	39 lbs.	(-48)
102.	Carburetor air heater (muff type)	4 lbs.	(-41)
103.	Starter (Eclipse E80)	20 lbs.	(-33)

109.	Oil radiator (Drawing D17S8950)	8 lbs.	(-39)
110.	Wobble pump (Type D-2)	4 lbs.	(+12)
111.	Engine driven fuel pump (Pesco 400 series or Romec RD-3080)	5 lbs.	(-34)
204.	Oil tanks 8 or 9.5 gallons	5 lbs.	(-14)
205.	Auxiliary fuel tanks		
	(a) One 23 gallon tank, upper left wing	20 lbs.	(+47)
	(b) One 49 gallon tank, fuselage (May replace lower wing tanks.)	25 lbs.	(+52)
207.	Ignition shielding (Breeze)	15 lbs.	(-47)
219.	Special oil drain	1 lb.	(-27)
220.	Fuel analyzer (Breeze or Cambridge)	5 lbs.	(-8)
Landing Gear and Floats			
106.	7.50-10 wheels (Goodyear 10 HEM or Hayes 750 Series) with 7.50-10 6-ply tires (wheels must be placarded for these tires)	75 lbs.	(+5)
107.	10x3 tail wheel	5 lbs.	(+205)
305.	Dual brakes (copilot)	+2 lbs.	(-8)
306.	Hand operated parking brake	2 lbs.	(-4)
307.	Emergency wood landing skids (Drawing E170140)	16 lbs.	(+22)
308.	Puncture proof tubes	+8 lbs.	(+5)
310.	Skiplane landing gear (Drawing D17820 and D17840)	+3 lbs.	(+20)
312.	10 in. smooth contour tail wheel assembly with 6-ply tire	No weight change	
Electrical Equipment			
104.	Generator - 15 amp (Eclipse G-2)	15 lbs.	(-33)
105.	Battery (Exide 6TS-13-1) (on firewall)	36 lbs.	(+21)
112.	Landing gear motor (Dumore D5, 40 amp fuse required)	9 lbs.	(+7)
113.	Flap motor (Dumore X special 4253, 30 amp fuse required)	5 lbs.	(+45)
201.	Generator		
	(a) 25 amp (Eclipse D)	20 lbs.	(-33)
	(b) 50 amp (Eclipse E)	25 lbs.	(-33)
217.	Landing lights		
	(a) One or two (Hall A-6)	3.5 lbs. each	(+35)
	(b) One or two (Grimes ST-250)	3.5 lbs. each	(+21)
	(c) One or two (Grimes ST-1220)	4 lbs. each	(+21)
311.	Cannon plug (for electric starter)	3 lbs.	(-2) or (-8)
Interior Equipment			
108.	Swing-over control column (See Item 301)	11 lbs.	(+6)
202.	Cabin heater (Muff type)	3 lbs.	(-41)
203.	Fire extinguisher		
	(a) (Lux -2 lbs.)	12 lbs.	(-3)
	(b) (Lux -5 lbs.)	17 lbs.	(-13)
	(c) (Pyrene No. 5C)	12 lbs.	(-10)
	(d) (ACE)	10 lbs.	(-10)
	(e) (Lux -5 lbs.) (Drawing I-170555)	21 lbs.	(+50)
206.	Parachute flares		
	(a) Three or four 1-1/2 minute (International MX-1)	6 lbs. each	(+80) or (+108)
	(b) One or two 3 minute (Wiley A-8)	18 lbs. each	(+105)
208.	Golf bag compartment (Drawing I-17006) (Maximum capacity 70 lbs., included in baggage allowance)	9 lbs.	(+100)
209.	Parachutes or parachute type chairs		
211.	Vacuum equipment		
	(a) Pump (Pesco 194 or Romec RD-2112)	5 lbs.	(-34)
	(b) Venturi tubes	1 lb.	(+17)
222.	Package drop (under baggage compartment)	+8 lbs.	(+84)
301.	Control column - "T" type (See Item 108)	No weight change	
309.	Folding back seat (may replace standard front seats)	16 lbs.	(+21)
313.	Utility case	4 lbs.	(+77)
Miscellaneous (Not listed above)			
212.	Extra cabin door on right side	+5 lbs.	(+42)
213.	Fuselage alterations for special-purpose equipment		
	(a) Photographic version (Item 214) Includes front and rear floor windows, camera and viewfinder wells, and change in location of rudder cables (Drawings D17015 and		

	D170160)	+13 lbs.	(+33)
	(b) Ambulance version (Item 215) Includes rear seat center support and litter floor attachments (Drawings I-17073 and I-17077)	+2 lbs.	(+53)
	(c) Mailplane version (Item 216) Includes rear seat center support and metal lined baggage compartment and right rear of cabin (Drawings I-170812 and I-170813)	+15 lbs.	(+73)
214.	Photographic version (See Item 213(a))		
	(a) Camera and viewfinder	110 lbs. max.	(+51)
	(b) Photographer's stool	4 lbs.	(+65)
	(These items (a and b) may be installed after fuselage alterations (Item 213(a)) have been made, and standard rear seat, 31 lbs. (+67), camera and viewfinder cover plates, 3 lbs. (+51), have been removed)		
	(c) Oxygen tank installation	150 lbs. max.	(+73)
215.	Ambulance version (See Item 213(b))		
	(a) Special right or left half rear seat (Drawing I-17073) (May replace standard rear seat 31 lbs. (+67), if fuselage alterations (Item 213(b)) have been made.)	17 lbs. each	(+67)
	(b) First aid box installation	7 lbs.	(+48)
	(c) Ambulance litter (May be installed after fuselage alteration (213(b)) and removal of right half rear seat (a) and copilot's seat, 16 lbs. (+21)	14 lbs.	(+42)
216.	Mailplane version (See Item 213(c))		
	(a) Same as Item 215(a) except Drawing I-170812		
	(b) Removable front and inner sides of forward mail compartment (see c)	10 lbs.	(+52)
	(c) Mail compartments and capacities:		
	1. Front	200 lbs. max.	(+54)
	2. Rear	150 lbs. max.	(+88)
221.	Ballast at tail post (Drawing I-17007)	25 lbs. max.	(+224)
302.	Metal cover for wing fuel tanks	3 lbs. each	(+24) or (+47)
304.	Quick door release	1 lb.	(+25)

NOTE A. Prior to original certification, each aircraft manufactured prior to August 7, 1945, must satisfactorily pass:

- An inspection for workmanship, materials and conformity before covering, metal priming or final finish is applied.
- A final inspection of the completed aircraft
- A check of the flight characteristics

NOTE 1. Current weight and balance report including list of equipment included in certificated weight empty, and loading instructions when necessary, must be in each aircraft at the time of original certification and at all times thereafter (except in the case of air carrier operators having an approved weight control system).

NOTE 2. Fuel restriction placard must state: "Use fuselage tank(s) for take-off and landing. Fill fuselage tank(s) before filling wing tanks. Use wing tanks before using fuselage tank(s)." When upper wing fuel tanks are installed, add, "Fill lower wing tanks before filling upper wing tanks before using lower wing tanks."