

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)

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| 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:

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| 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

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| 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

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|------|-----------------------------------|---------|-------|
| 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) |

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| 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 HBM 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 (- |
| 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 | | |

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| | 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:

- (a) An inspection for workmanship, materials and conformity before covering, metal priming or final finish is applied.
- (b) A final inspection of the completed aircraft
- (c) 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."