

MODELS: Fairchild 24G (Army UC-61H) and 24GS, 3 or 4 PCL-SM

T.C. NUMBER: 633

I - Specifications Pertinent to Both Models

Engine	Warner Super Scarab Series 40, 50 or 50A
Placard limits	For all operations: 2060 rpm (145 hp)
Placard speeds	Level flight or climb - 138 mph True Ind. Glide or dive - 165 mph True Ind. Flaps extended - 94 mph True Ind. (When Item 219 is installed)
Fuel	40 gallons (two tanks - 20 gallons in each wing) (+24) (See also Item 202)
Oil	3 gallons (-16)
No. passengers	2 (front +26, rear +54) (See also Items 202 and 218)
Baggage	170 lbs. (See NOTE 1)
Spec. basis	Approved Type Certificate No. 633
Serial Nos.	2900 and up manufactured prior to 1/24/41 and all AAF Nos. eligible. Approval expired as of 1/24/41.

EQUIPMENT:

(Datum is wing leading edge) (* Means net increase)

Class I:

A. Landplane		
101. Starter (Eclipse Y-150)	18 lbs.	(-21)
102. Battery - in engine compartment (Reading 6-ARL-1 or Exide 6TS-7-1)	29 lbs.	(-16)
103. 6.50-10 wheels (Warner 3270) and tires	55 lbs.	(+2)
104. 8 inch streamline tail wheel with heavy duty tire		(+209)
105. Engine ring cowl	28 lbs.	(-34)
106. Hub streamlines	4 lbs.	(+2)
107. Propeller - wood (fixed pitch)	31 lbs.	(-49)
B. Seaplane: Items 101, 102, 105, 107 PLUS		
151. Edo 44-2425 floats with water rudders		
152. Seaplane fin	4 lbs.	(+196)

Class II:

200. Miscellaneous items as noted in approved weight and balance report		
201. Parachute front seats		(+34)
(a) Irvin	35 lbs.	
(b) Switlik	30 lbs.	
202. Extra 20 gallon fuel tank (replacing rear seat)	11 lbs.	(+46)
203. Flares - three 1-1/2 minute	20 lbs.	(+56)
204. Bonding	4 lbs.	(+30)
205. (a) Metalizing and corrosion proofing	12 lbs.	(+42)
(b) Corrosion proofing	8 lbs.	(+42)
206. Radio equipment		
(a) Receiver (RCA AVR-7 Series) (Chassis at side of or under rear seat)	25 lbs.	(+46)
(b) Receiver (W.E. 17-A) (Chassis at instrument panel - power supply at side of or under rear seat)	26 lbs.	(+30)
(c) Receiver (RCA AVR-10 Series) (Chassis at instrument panel - power supply at +14)	11 lbs.	(+11)
(d) Transmitter (RCA AVT-7 Series) (Chassis at side of or under rear seat - power supply aft of seat)	33 lbs.	(+67)
(e) Compass (Fairchild RC-3) (Chassis forward of rear seat - power supply at side of or under rear seat)	65 lbs.	(+41)
(f) Compass (RCA AVR-8) (Chassis at side of or under	58 lbs.	(+43)

	rear seat)		
	(g) Transmitter - remote control (Lear T-3) (Drawing 41665)		
	(h) Mast (receiving) antenna (Drawing 41660)		
	(i) Trailing antenna (Drawing 41679)		
207.	Engine shielding	6 lbs.	(-35)
208.	Pressure fire extinguisher	20 lbs.	(-11)
209.	Seaplane fittings	Neglect weight increase	
210.	Generators		
	(a) Leece-Neville 3C4-3 with control box	20 lbs.	(-18)
	(b) Bosch LE70/12 B-5 with control box	12 lbs.	(-18)
	(c) Wind-driven (Air Associates SK-880)	10 lbs.	(-10)
	(d) Wind-driven (Air Associates 41475)	8 lbs.	(+9)
211.	Wheel streamlines	12 lbs.	(+3)
212.	Propellers		
	(a) Fixed pitch metal (Curtiss)	19 lbs.	(-49)
	(b) Adj. metal (Hamilton Standard hub 7056H, blade 19E-1/2-16)	36 lbs.	(-49)
213.	Landing lights		
	(a) One or two (Grimes ST-250)	4.5 lbs. each	(+16)
	(b) Two (Adams-Westlake A-6)	9 lbs.	(+2)
214.	Cabin heater	6 lbs.	(-6)
215.	Cabin ventilator	3 lbs.	(-13)
216.	Dual brake controls	5 lbs.	(-7)
217.	Quick release door hinges	1 lb.	(+10)
218.	Rear bench seat with safety belts for extra passenger (See NOTE 1)	4 lbs.	(+58)
219.	Flaps and controls	39 lbs.	(+51)
220.	Special upholstery		
221.	Special paint		(+49)
222.	Oil cooler (Harrison)	11 lbs.	(-21)
223.	7.50-10 tires		
224.	Wheel fenders (Drawing 43194)		
225.	Baggage platform over radio (Drawing 41672) (replaces rear seat(s))		
226.	Accessories compartment - left side - replace rear seat(s) (Drawings 41626 and 41627 when equipped with Item 202 or Drawings 41676 and 41626 with standard fuel capacity)		

Class III:
None

NOTE 1. Baggage in 3-place type carried each side rear seat (+42); in 4-place type under rear bench seat (+54).

NOTE 2. Eligible for export as follows subject to inspection for equipment specified in Chapter XII of Inspection Handbook (1/24/41)

- (a) Canada
 - Landplane and Seaplane
 - Skiplane - not eligible.
- (b) Australia - Landplane only.
- (c) All other countries.

NOTE 3. Prior to certification of any UC-61 Series airplane having uncertificated position lights, these lights should be replaced with approved types. In the event that Air Force Type A-9 wing tip lights are installed, these lights may be used provided the sand-blasted surface on the inside of the cover glass is painted black.

II - Model 24G (Army UC-61H - See NOTE 3), 3 PCLM (See also Item 218):

Propeller	Maximum permissible diameter 92 inches
Standard weight	2400 lbs.
C.G. limits	(+16.6) and (+25.9)

III - Model 24GS, 3 PCSM (See also Item 218):

Propeller	Maximum permissible diameter 100 inches
Standard weight	2550 lbs.
C.G. limits	(+18.3) and (+26.8)