

# **BEECHCRAFT C-45 EXPEDITOR**

## **C-45 SERVICE**

*Manufacturer:* Beech Aircraft Corp., Wichita, Kansas, USA  
*Model:* Model 18  
*Designations:* C-45; AT-7, AT-11, CQ-3, F-2, JRB, SNB, T-7, T-11, CT-128 (CAF)  
*Names:* Expeditor; Kansan (AT-11), Navigator (AT-7)

*First official flight:* Model 18 15/01/1937  
C-45 1940  
*Factory production period:* 1936 – 1969  
*Primary service period:* 1937 – 1960's  
*Last official flight:* C-45J 1976

## **C-45 VARIANTS**

1937	<b>Model 18A / S18A</b>	<b>Model 18A / S18A</b>	4	
1938	<b>Model 18B / S18B</b>	<b>Model 18B / S18B</b>	4	
1938	<b>Model 18D / S18D</b>	<b>Model 18D / S18D</b>	12	
1940	<b>Model 18R</b>	<b>Model 18R</b>	1	
1940	<b>Model M18R</b>	<b>Model M18R</b>	6	
1939	<b>Model 18S</b>	<b>Model 18S</b>	7	
1939	<b>Model B18S</b>	<b>Model B18S</b>	5	<b>Total: 0039</b>
1940	<b>Model C18S</b>	<b>C-45</b>	11	
1940	<b>Model C18S</b>	<b>C-45A</b>	20	
1942	<b>Model C18S</b>	<b>C-45B</b>	223	
1942	<b>Model C18S</b>	<b>UC-45D</b>	2	
1943	<b>Model C18S</b>	<b>UC-45E</b>	6	
1943	<b>Model C18S</b>	<b>UC-45F</b>	1522	<b>Total: 1784</b>
1941	<b>Model C18S</b>	<b>AT-7</b>	577	
1941	<b>Model C18S</b>	<b>AT-7A</b>	7	
1942	<b>Model C18S</b>	<b>AT-7B</b>	9	
1943	<b>Model C18S</b>	<b>AT-7C</b>	549	
1941	<b>Model C18S</b>	<b>AT-11</b>	1584	<b>Total: 2726</b>
1939	<b>Model B18S</b>	<b>F-2</b>	14	<b>Total: 0014</b>
1940	<b>Model C18S</b>	<b>JRB-1</b>	11	
1941	<b>Model C18S</b>	<b>JRB-2</b>	15	
1942	<b>Model B18S</b>	<b>SNB-1</b>	320	
1942	<b>Model C18S</b>	<b>SNB-2</b>	499	
1943	<b>Model C18S</b>	<b>SNB-2C</b>	375	<b>Total: 1220</b>
1946	<b>Model D18S</b>	<b>Model D18S</b>	1035	
1946	<b>Model D18C-T</b>	<b>Model D18C-T</b>	16	

1947	<b>Model D18C</b>	<b>Model D18C</b>	13
1954	<b>Model E18S</b>	<b>Model E18S</b>	403
1954	<b>Model E18S-9700</b>	<b>Model E18S-9700</b>	57
1959	<b>Model G18S</b>	<b>Model G18S</b>	156
1962	<b>Model H18</b>	<b>Model H18</b>	149
			<b>Total: 1829</b>

**Total: 7612**

## **C-45 PRODUCTION**

### **Civil Aircraft (pre WW2)**

#### **Model 18**

*Twin-engined commuter aircraft. Various engine / interior upgrades. Model 18R versions were for military customers.*

*1 Model 18D to RCAF with s/n: 1530.*

*produced 1936 – 1940*

Beech Wichita, Kansas

<b>Model 18A / S18A</b>	<i>mixed 62 to 318</i>	4
<b>Model 18B / S18B</b>	<i>mixed 170 to 174</i>	4
<b>Model 18D / S18D</b>	<i>mixed 169 to 268</i>	12
<b>Model 18R</b>	321	1
<b>Model M18R</b>	375 / 380	6
<b>Model 18S</b>	<i>mixed 222 to 316</i>	7
<b>Model B18S</b>	430 / 434	5
		<b>Total: 0039</b>

### **Military Aircraft**

#### **C-45**

*As Model 18, staff transport for USAAF.*

*Redesignated as **UC-45** in 1943.*

*produced 1940*

Beech Wichita, Kansas (BH)

40-180 / 40-190	364 / 374	11	<b>Total: 0011</b>
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#### **C-45A**

*As C-45, engine upgrade, extra seats.*

*Redesignated as **UC-45A** in 1943.*

*produced*

Beech Wichita, Kansas (BH)

41-1861 / 41-1880	-	20	<b>Total: 0020</b>
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#### **C-45B**

*As C-45A, revised interior.*

*Redesignated as **UC-45B** in 1943.*

*produced*

Beech Wichita, Kansas (BH)

42-56852	-	
43-35446 / 43-35667	-	223
		<b>Total: 0223</b>

**UC-45D**

*As C-45A, communications aircraft,  
airframes completed from an AT-7 contract.  
produced*

Beech Wichita, Kansas (BH)

42-56785, 43-33281 -

2 Total: 0002

**UC-45E**

*As C-45A, communications aircraft,  
airframes completed from an AT-7B contract.  
produced*

Beech Wichita, Kansas (BH)

42-43484, 42-43486 -

43-33282 / 43-33285 -

6 Total: 0006

**UC-45F**

*As C-45A, longer nose, revised interior.  
Original designation was C-45F.  
produced*

Beech Wichita, Kansas (BH)

43-35668 / 43-35945 -

44-47049 / 44-47748 -

44-86898 / 44-87441 -

1522 Total: 1522

**AT-7 Navigator**

*As C-45, navigation trainer, engine upgrade.  
Redesignated as T-7 in 1948.  
produced*

Beech Wichita, Kansas (BH)

41-1143 / 41-1209 -

41-21042 / 41-21155 -

42-2415 / 42-2513 -

42-43461 / 42-43477 -

42-43488 / 42-43510 -

42-56703 / 42-56784 -

42-56786 / 42-56851 -

43-33265 / 43-33280 -

43-33286 / 43-33378 -

577 Total: 0577

**AT-7A Navigator**

*As AT-7, floatplane version, ventral  
fin added, engine upgrade.  
produced*

Beech Wichita, Kansas (BH)

41-21156 / 41-21161 -

42-53522 -

7 Total: 0007

**AT-7B Navigator**

*As AT-7, winterised version.  
produced*

Beech Wichita, Kansas (BH)

42-2414 -

42-43478 / 42-43483 -

42-43485, 42-43487 -

9 Total: 0009

**AT-7C Navigator**

As AT-7, engine upgrade.  
 Redesignated as **T-7C** in 1948.  
 produced

Beech Wichita, Kansas (BH)  
 43-33379 / 43-33664 -  
 43-49963 / 43-50223 -  
 43-52226, 43-52227 -

549 **Total: 0549**

**AT-11 Kansan**

As AT-7, bomber / gunnery trainer version,  
 glass nose for bombardier, dorsal turret.  
 Redesignated as **T-11** in 1948.  
 produced 1941 – 1944

Beech Wichita, Kansas (BH)  
 41-9437 / 41-9586 -  
 41-27332 / 41-27681 -  
 42-36826 / 42-37713 -  
 43-10318 / 43-10489 -  
 (NEIAF) A-1 / A-24 3057 / 3080  
 - 22 later assigned non-standard  
 s/n: 42-3057 / 42-3066, 42-3069 / 42-3080.  
 Repossessed by USAAF in 1944 with  
 s/n: 44-72005 / 44-72026.

1584 **Total: 1584**

**F-2**

As C-45A, photo survey version,  
 two cameras, engine upgrade.  
 Original s/n: 39-142 / 39-155.  
 produced 1939 – 1940

Beech Wichita, Kansas (BH)  
 40-682 / 40-695 340 / 353

14 **Total: 0014**

**JRB-1**

As C-45A, photo survey version for US Navy  
 and USMC, extra fairing above cockpit, engine  
 upgrade. 1 civil Model 18S also impressed  
 with BuNo. 09771.  
 produced 1940

Beech Wichita, Kansas (B)  
 BuNo. 2543 / 2547 425 / 429  
 BuNo. 4709, 4710 -  
 BuNo. 4726 / 4729 -

11 **Total: 0011**

**JRB-2**

As JRB-1, light transport version.  
 5 also converted from C-45A with  
 BuNo. 76740 / 76742, 90522, 90523.  
 produced

Beech Wichita, Kansas (B)  
 BuNo. 4711 / 4725 -

15 **Total: 0015**

**SNB-1 Kansan**

As AT-11, version for US Navy  
 and USMC, engine upgrade.  
 produced 1942 – 1943

Beech Wichita, Kansas (B)  
 BuNo. 39749 / 39998 -  
 BuNo. 51025 / 51094 -

320 **Total: 0320**

## **SNB-2 Navigator**

*As AT-7, version for US Navy.*

*produced 1942 – 1944*

Beech Wichita, Kansas (B)

BuNo. 03553 / 03562 -

BuNo. 12354 / 12389 -

BuNo. 39192 / 39291 -

BuNo. 51200 / 51293 -

BuNo. 67100 / 67129 -

BuNo. 67155 / 67383 -

499 **Total: 0499**

*205 additional airframes cancelled.*

## **SNB-2C Navigator**

*As AT-7C, version for US Navy.*

*produced*

Beech Wichita, Kansas (B)

BuNo. 23757 / 23856 -

BuNo. 29551 / 29664 -

BuNo. 51095 / 51199 -

BuNo. 51294 / 51349 -

375 **Total: 0375**

*4 additional airframes cancelled.*

## **Civil Aircraft (post WW2)**

### **Model 18**

*Developed civil version for commercial market.*

*Various design / engine upgrades.*

*The D18C named **Feeder Twin**.*

*The E18S onwards named **Super 18**.*

*The H18 had tricycle u/c.*

*produced 1946 – 1969*

Beech Wichita, Kansas

**Model D18S** A-1 / A-1035 1035

**Model D18C-T** AA-1 / AA-16 16

**Model D18C** AA-17 / AA-29 13

**Model E18S** *mixed* BA-1 to BA-497 403

**Model E18S-9700** *mixed* BA-403 to BA-460 57

**Model G18S** *mixed* BA-434 to BA-617 156

**Model H18** *mixed* BA-580 to BA-765 149 **Total: 1829**

**Total: 7612**

## **C-45 CONVERSIONS**

### **Military Conversions**

#### **USAAF / USAF**

UC-45C 2 Model 18S, 1942, two impressed civil aircraft.  
Assigned s/n: 42-22247, 42-53510.

RC-45F 1+ UC-45F, photo survey conversions.

<b>C-45G</b>	<b>372</b>	RC-45A / UC-45F / T-7 / T-11, 1951, rebuilt airframes with fuselage / engine / avionics upgrades. New s/n:                      New c/n: 51-11444 / 51-11503    AF-1 / AF-60 51-11600 / 51-11911    AF-157 / AF-468
<b>TC-45G</b>	<b>96</b>	RC-45A / UC-45F / T-7 / T-11, 1952, rebuilt airframes with fuselage / engine / avionics upgrades. New s/n:                      New c/n: 51-11504 / 51-11599    AF-61 / AF-156
<b>C-45H</b>	<b>432</b>	UC-45F / T-7 / T-11, 1952, rebuilt airframes with fuselage / engine / avionics upgrades. New s/n:                      New c/n: 52-10539 / 52-10970    AF-469 / AF-900
(RC-45H)	1+	C-45H, photo survey conversions.
(TC-45H)	1+	C-45H, navigation trainer conversions.
(C-45T)	1+	C-45G / C-45H, unofficial designation for tricycle landing gear conversions.
<b>CQ-3</b>	<b>1+</b>	UC-45F, 1944, target drone directors.
(DC-45F)	1+	1948, redesignation of CQ-3.
AT-11A	36	AT-11, navigational trainer conversions, engine upgrade.
(T-11A)	36	1948, redesignation of AT-11A.
F-2A	13	UC-45A / UC-45B, photo survey conversions, 4 cameras.
F-2B	42	UC-45F, photo survey conversions, camera upgrade.
(RC-45A)	55	1948, redesignation of 13 F-2A / 42 F-2B.
<b>T-11B</b>	<b>1+</b>	AT-11, 1951, rebuilt conversions similar to C-45G.
<b>US Navy</b>		
<b>JRB-3</b>	<b>20</b>	UC-45B, 1942, transfers from USAAF. Assigned BuNo. 76743 / 76759, 84032, 86294, 87752.
<b>JRB-4</b>	<b>329</b>	UC-45F, 1942, transfers from USAAF. Some later to USCG. Assigned BuNo. 44315, 44555 / 44684, 48246 / 48251, 66395 / 66471, 76760 / 76779, 85096 / 85135, 86293, 86295, 86296, 87753, 90532 / 90581, 134004. 143 additional conversions cancelled.
<i>JRB-5</i>	-	<i>Proposed SNB-5 transport version rebuilds, cancelled.</i>
<b>JRB-6</b>	<b>29</b>	JRB-3 / JRB-4, 1951, rebuilt airframes with fuselage / engine / avionics upgrades. Assigned BuNo. 89466 / 89494.
SNB-2H	1+	SNB-2, 1943, medical conversions.
SNB-2P	1+	SNB-2, 1943, photo reconn. conversions.
<b>(SNB-5P)</b>	<b>1+</b>	SNB-2P, 1951, rebuilt conversions similar to SNB-5.
<b>(RC-45J)</b>	<b>1+</b>	1962, redesignation of SNB-5P.
SNB-3Q	1+	SNB-2, 1946, conversions as radar counter-measure trainers.
<b>SNB-4</b>	<b>117</b>	SNB-1, 1947, factory rebuilds, post-WW2.
<b>SNB-5</b>	<b>32</b>	SNB-2, 1951, rebuilt airframes with fuselage / engine / avionics upgrades. Assigned BuNo. 134692 / 134717, 140987 / 140992. First 26 sold under MAP to The Netherlands and France. 1 additional airframe sold under MAP as BuNo. 147548.
<b>(TC-45J)</b>	<b>32</b>	1962, redesignation of SNB-5.
(NC-45J)	2	TC-45J, permanent conversions as test-beds for US Army.
<b>(UC-45J)</b>	<b>30</b>	TC-45J, redesignation as utility transports.
(C-45J)	2	UC-45J, transfers to the US Army.
(VC-45J)	1	UC-45J, staff transport conversion.

**British RAF / RCAF**

<b>Expeditor Mk. I</b>	<b>121</b>	C-45B, aircraft in service with the RAF and RN. Assigned RAF s/n: FR940 / FR948, FT975 / FT979, HB100 / HB206. 15 to RCAF as <b>Expeditor Mk. III</b> without s/n change. 1 (HB759), additional conversion cancelled.
<b>Expeditor Mk. II</b>	<b>303</b>	UC-45F, aircraft in service with the RAF and RN. Assigned RAF s/n: FT980 / FT996, HB207 / HB299, HD752 / HD776, KJ468 / KJ560, KN100 / KN149, KP100 / KP124. 9 to RCAF as <b>Expeditor Mk. III</b> without s/n change. 50 additional conversions cancelled.
<b>Expeditor Mk. 3T</b>	<b>45</b>	6 UC-45B / 39 UC-45F, 1944, trainers in service with the RCAF. Assigned RCAF s/n: 1381 / 1425.
<b>Expeditor Mk. 3N</b>	<b>100</b>	Civil Model D18S, 1951, factory-built RCAF navigational trainers. Re-assigned new c/n from original civil ones. RCAF s/n:      New c/n: 1426 / 1500    CA-1 / CA-75 - S/n: 1500 not delivered. 2278 / 2302    CA-76 / CA-100
<b>Expeditor Mk. 3NM</b>	<b>133</b>	Civil Model D18S, 1952, factory-built RCAF navigational trainers and transports. Re-assigned new c/n from original civil ones. RCAF s/n:      New c/n: 1502 / 1515    CA-102 / CA-115 1536 / 1555    CA-136 / CA-155 1576 / 1594    CA-262 / CA-280 2303 / 2321    CA-176 / CA-194 2322 / 2382    CA-201 / CA-261
<b>Expeditor Mk. 3TM</b>	<b>48</b>	Civil Model D18S, 1952, factory-built RCAF crew trainers and transports. Re-assigned new c/n from original civil ones. RCAF s/n:      New c/n: 1501            CA-101 1516 / 1535    CA-116 / CA-135 1556 / 1575    CA-156 / CA-175 1595 / 1600    CA-195 / CA-200 <i>Not delivered.</i> CA-281
<b>Navigator Mk. I</b>	<b>5</b>	AT-7, aircraft in service with the RN. Assigned RAF s/n: FR879 / FR883.
<b>CT-128</b>	<b>159</b>	RCAF Expeditor, 1968-1972, redesignation for newly formed Canadian Armed Forces. Most in storage, allocated new CAF 6-digit s/n's but not taken up.

**Civil Conversions**

Model C18S    1    UC-45B, 1944, prototype for post-WW2 civil development.  
First proposed in 1940 from the Model B18S.

Airlines Training Inc. conversions:

**Conrad 9800D** – Higher weights. Total: 006+

**Conrad 10200** – Higher weights, tricycle u/c. Total: 007+

American Turbine Aircraft Corp. conversion:

**American Turbine 600R** – turboprop, tricycle u/c. Total: 022+

Dumod Corp., Florida conversions:

**Infinite / Dumod I** – 1960, tricycle u/c. Total: 037

<b><i>Infinite II / Dumod Liner</i></b> – 1964, stretched version. Hamilton Aviation Co. Inc., Arizona conversions:	<u>Total: 010+</u>
<b><i>Hamilton Little Liner</i></b> – 1959.	<u>Total: 400+</u>
<b><i>Hamilton Westwind</i></b> – turboprop.	<u>Total: 022+</u>
<b><i>Hamilton Westwind III</i></b> – 1970, turboprop.	<u>Total: 042</u>
<b><i>Hamilton Westwind IISTD</i></b> – 1975, turboprop.	<u>Total: 001</u>
<b><i>Hamilton Westwind IV</i></b> – 1977, turboprop.	<u>Total: 001+</u>
Pacific Airmotive Corp., California conversions:	
<b><i>PAC Tradewind</i></b> – 1962, single tail, tricycle u/c.	<u>Total: 022+</u>
<b><i>PAC Turbo Tradewind</i></b> – 1964, turboprop.	<u>Total: 011+</u>
Rausch Engineering Inc., California conversion:	
<b><i>Rausch Star 250</i></b> – 1960, tricycle u/c.	<u>Total: 001</u>
Volpar Inc., California conversions:	
<b><i>Volpar 18</i></b> – 1960, tricycle u/c.	<u>Total: 001+</u>
<b><i>Volpar Turbo 18</i></b> – 1965, turboprop.	<u>Total: 025</u>
<b><i>Volpar Turboliner I</i></b> – 1967, turboprop.	<u>Total: 023</u>

- Additional conversions by Avco, Howard Aero Inc., TX.,  
Remmert-Werner and SFERMA (France).

#### **FOREIGN MILITARY / CIVILIAN SERVICE**

- The Beechcraft 18 had widespread military service with the armed forces of many countries worldwide both during and post World War II.
- A high number of Beechcraft 18 aircraft saw civil service as small commuter airliners, executive transports, civil utility transports and warbirds.