

BOEING-STEARMAN PT-13 / PT-17 KAYDET

PT-13 / PT-17 SERVICE

Manufacturer: Stearman Aircraft Division, The Boeing Aircraft Co.,
Wichita, Kansas, USA
(In 1939, Stearman Division renamed Wichita Division)
Models: 70, 73, 75, 76
Designations: PT-13; PT-17; NS, N2S, PT-18, PT-27, T-13, T-17
Name: Kaydet

First official flight: Model X70 01 Jan 1934
Factory production period: 1933 – 1945
Primary service period: 1935 – 1950s
Last official flight: - -

PT-13 / PT-17 VARIANTS

1934	Model X70	Model X70	1	Total: 0001
1934	Model 73	NS-1	61	
1936	Model 73L3	Model 73L3	7	
1939	Model A73B1	Model A73B1	7	
1938	Model A73L3	Model A73L3	3	Total: 0078
1934	Model X75	Model X75	1	
1936	Model 75	PT-13	26	
1937	Model A75	PT-13A	92	
1939	Model A75	PT-13B	255	
1943	Model E75	PT-13D / N2S-5	1018	
1940	Model A75L3	Model A75L3	43	
1940	Model A75J1	PT-18	150	Total: 1585
1940	Model A75N1	PT-17	2942	
1941	Model A75B4	Model A75B4	5	
1941	Model A75N1	Model A75N1	18	
1942	Model D75N1	PT-27	300	Total: 3265
1940	Model A75N1	N2S-1	250	
1941	Model B75	N2S-2	125	
1942	Model B75N1	N2S-3	1875	
1942	Model A75N1	N2S-4	577	
1943	Model E75	N2S-5	750	Total: 3577
1936	Model 76	Model 76	78	Total: 0078
				<u>Total: 8584</u>

PT-13 / PT-17 PRODUCTION

Model X70

*Prototype, single-engined, 2-seater,
basic trainer biplane. Tested by the
US Army as XPT-943 and US Navy.*

produced 1933 – 1934

Boeing-Stearman Wichita, Kansas
NX571Y 70-0001

1 **Total: 0001**

NS-1

*As Model X70, version for US Navy,
engine upgrade, minor changes.*

produced 1934 – 1935

Boeing-Stearman Wichita, Kansas (S)
BuNo. 9677 / 9717 73-0001 / 73-0041
BuNo. 0191 / 0210 73-0042 / 73-0061

61 **Total: 0061**

Model 73L3

As NS-1, export version for The Philippines.

produced 1936 – 1937

Boeing-Stearman Wichita, Kansas
(The Philippines) 73-0062 / 73-0068

7 **Total: 0007**

Model A73B1

*As NS-1, export version for Cuba,
engine upgrade.*

produced 1939 – 1940

Boeing-Stearman Wichita, Kansas
(Cuba) 73-0072 / 73-0078

7 **Total: 0007**

Model A73L3

As NS-1, export version for The Philippines.

produced 1938

Boeing-Stearman Wichita, Kansas
(The Philippines) 73-0069 / 73-0071

3 **Total: 0003**

Model X75

*As Model 70 / 73, prototype with engine
upgrade, minor changes. Tested by the
US Army as XPT-945.*

produced 1934

Boeing-Stearman Wichita, Kansas
NX14407 75-0000

1 **Total: 0001**

PT-13

*As Model X75L3, engine upgrade.
1 static test airframe also built.*

produced 1936

Boeing-Stearman Wichita, Kansas
36-002 / 36-027 75-0001 / 75-0026

26 **Total: 0026**

PT-13A

*As PT-13, engine upgrade,
minor changes.*

produced 1937 – 1938

Boeing-Stearman Wichita, Kansas
37-071 / 37-114 75-0027 / 75-0070
37-232 / 37-259 75-0071 / 75-0098
38-451 / 38-470 75-0099 / 75-0118

92 **Total: 0092**

PT-13B

As PT-13A, engine upgrade.

Redesignated as T-13B in 1948.

produced 1939 – 1941

Boeing-Stearman Wichita, Kansas (BW)

40-1562 / 40-1741 75-0119 / 75-0298

41-787 / 41-861 75-0847 / 75-0921

255 **Total: 0255**

PT-13D / N2S-5

As PT-13B, engine upgrade. USAAF &

USN version assigned a dual designation

& serial number. S/n: 42-109026 / 42-109775 (750)

order cancelled, airframes redesignated as N2S-5.

Redesignated as T-13D in 1948.

produced 1943 – 1945

Boeing-Stearman Wichita, Kansas (BW) (S)

42-16846 / 42-17863 & 75-5009 / 75-6026

BuNo. 60887 / 61904

894 to USAAF, 124 to US Navy.

382 additional USAAF airframes cancelled.

1018 **Total: 1018**

Model A75L3

As PT-13A, export version.

produced 1940 – 1941

Boeing-Stearman Wichita, Kansas

(Brazil) 75-0599 / 75-0618

20

(The Philippines) 75-2570 / 75-2581

12

(Venezuela) 75-0619 / 75-0621

(Venezuela) 75-2687 / 75-2690

7

(Parks Air College)

NC32496 / NC32499 75-1422 / 75-1425

4 **Total: 0043**

PT-18

As PT-13, engine upgrade.

produced 1940 – 1941

Boeing-Stearman Wichita, Kansas (BW)

40-1892 / 40-2041 75-0449 / 75-0598

150 **Total: 0150**

PT-17

As PT-13, engine upgrade.

S/n: 41-25737 / 41-25740, 41-25748,

41-25802 / 41-26251 and 42-16724 /

42-16845 (577) orders to US Navy

redesignated as N2S-4.

Redesignated as T-17 in 1948.

produced 1940 – 1943

Boeing-Stearman Wichita, Kansas (BW)

40-1742 / 40-1891 75-0299 / 75-0448

41-862 / 41-1086 75-0622 / 75-0846

41-7867 / 41-9010 75-1426 / 75-2569

41-25202 / 41-25736 *mixed 75-2691 to 75-3343*

41-25741, 41-25742 75-3348, 75-3249

41-25743 / 41-25747 75-3349 / 75-3353

41-25749 / 41-25801 *mixed 75-3451 to 75-3758*

42-15896 / 42-16723 75-4059 / 75-4886

2942 **Total: 2942**

Model A75B4

*As PT-17, export version with
engine upgrade, light armament.
produced 1941*

Boeing-Stearman Wichita, Kansas
(Venezuela) 75-2682 / 75-2686

5 **Total: 0005**

Model A75N1

*As PT-17, export version.
produced*

Boeing-Stearman Wichita, Kansas
(Peru) 75-2813 / 75-2818
(Peru) 75-2879 / 75-2884
(Peru) 75-2969 / 75-2974

18 **Total: 0018**

PT-27

*As PT-17, enclosed cockpit and
cold weather equipment.
produced 1941 – 1942*

Boeing-Stearman Wichita, Kansas (BW)
42-15570 / 42-15869 75-3759 / 75-4058

300 **Total: 0300**

*All delivered to RCAF as **Kaydet Mk. I:**
(RAF) FD968 / FD999
(RAF) FJ741 / FJ999
(RAF) FK100 / FK108*

N2S-1

*As PT-17, version for US Navy.
produced 1940 – 1941*

Boeing-Stearman Wichita, Kansas (S)
BuNo. 3145 / 3394 75-0922 / 75-1171

250 **Total: 0250**

N2S-2

*As PT-13A, version for US Navy.
produced 1941*

Boeing-Stearman Wichita, Kansas (S)
BuNo. 3520 / 3644 75-1297 / 75-1421

125 **Total: 0125**

N2S-3

*As N2S-2, engine upgrade.
produced 1942 – 1943*

Boeing-Stearman Wichita, Kansas (S)
BuNo. 3395 / 3519 75-1172 / 75-1296
BuNo. 4252 / 4351 75-2582 / 75-2681
BuNo. 05235 / 05434 75-6409 / 75-6608
BuNo. 07005 / 08004 75-6609 / 75-7608
BuNo. 37988 / 38437 75-7609 / 75-8058

1875 **Total: 1875**

N2S-4

*As PT-17, minor changes.
produced 1942 – 1943*

Boeing-Stearman Wichita, Kansas (S)
BuNo. 27960 / 28058 *mixed 75-3234 to 75-3333*
BuNo. 29923 / 30146 *mixed 75-3354 to 75-3600*
BuNo. 34097 / 34101 75-3446 / 75-3450
BuNo. 34107 / 34111 *mixed 75-3578 to 75-3602*
BuNo. 37856 / 37967 75-3603 / 75-3714
BuNo. 37978 / 37987 75-3715 / 75-3724

BuNo. 55650 / 55771 75-4887 / 75-5008 577 **Total: 0577**

N2S-5

As PT-13D, minor changes. Some used the PT-27 style enclosed canopy.

produced 1943

Boeing-Stearman Wichita, Kansas (S)

BuNo. 38438 / 38610 75-8059 / 75-8231

BuNo. 43138 / 43637 75-8232 / 75-8731

BuNo. 52550 / 52626 75-8732 / 75-8808

750 **Total: 0750**

1260 additional airframes cancelled.

Model 76

As Model 75, export version with cowled engine upgrade and light armament. S76 designator applied to any model with floats fitted.

produced 1936 – 1941

produced 1936 – 1941

Boeing-Stearman Wichita, Kansas

Model 76B4

1941, armed version for Venezuela.

(Venezuela) 76-0074 / 76-0078 5

Model 76D1

1936, armed version for Argentine Navy and The Philippines.

(Argentina) 76-0001 / 76-0010

(Argentina) 76-0044 / 76-0049

(The Philippines) 76-0011 / 76-0013 19

Model 76D3

1938, armed version for The Philippines.

(The Philippines) 76-0050 / 76-0073 24

Model A76C3

1937, armed version for Brazil.

(Brazil) 76-0014 / 76-0028 15

Model B76C3

1937, armed version for Brazil, aerial camera.

(Brazil) 76-0029 / 76-0043 15 **Total: 0078**

Total: 8584

PT-13 / PT-17 CONVERSIONS & TRANSFERS

USAAF

Model X75L3	1	Model X75, 1935, prototype with engine upgrade.
PT-13C	6	PT-13B, 1941, night / instrument training with rear cockpit hood.
PT-13D	35	PT-13D, 1949, 1951, post-WW2 rebuilds for MDAP delivery. New s/n: 49-1458 / 49-1490, 51-16084, 51-16085.
PT-17A	136	PT-17, 1940, fitted for instrument flying training.
PT-17B	3	PT-17, 1943, hopper / spray bar fittings for mosquito control.
PT-17C	1	PT-17, prototype to the standardised PT-13D / N2S-5.
PT-18A	6	PT-18, fitted for instrument flying training.

US Navy

Model A75L5 2 N2S-4, 1947, prototypes with engine upgrade for China export.
Another 20 delivered without this modification.

FOREIGN MILITARY / CIVILIAN SERVICE

- *A large number of Stearman trainers saw military service with many foreign air forces worldwide during and after World War II.*
- *The Stearman biplane has become a legend in the post World War II civil scene performing as crop-dusters, aerobatic aircraft and warbirds.*