

# DOUGLAS A-20 HAVOC

## A-20 SERVICE

*Manufacturer:* The Douglas Aircraft Co. Inc., Santa Monica, California, USA  
*Models:* 7B, DB-7  
*Designations:* A-20; B-20, BD, F-3, O-53, P-70  
*Names:* Havoc (USAAF & RAF); Boston (RAF),  
Nighthawk (P-70, unofficial), "Box" (Russia, US codename)

*First official flight:* Model 7B 26 Oct 1938  
*Factory production period:* 1939 – 1944  
*Primary service period:* 1940 – 1945  
*Last official flight:* ZB-20H 1949

## A-20 VARIANTS

1938	<b>Model 7B</b>	<b>Model 7B</b> <i>Prototype</i>	1	<b>Total: 0001</b>
1939	<b>Model DB-7</b>	<b>DB-7</b>	270	
1940	<b>Model DB-7A</b>	<b>DB-7A</b>	100	
1941	<b>Model DB-7B</b>	<b>DB-7B</b>	781	
1942	<b>Model DB-7C</b>	<b>DB-7C</b>	48	<b>Total: 1199</b>
1942	<b>Model DB-7B</b>	<b>A-20</b>	63	
1940	<b>Model DB-7B</b>	<b>A-20A</b>	143	
1941	<b>Model DB-7A</b>	<b>A-20B</b>	999	
1941	<b>Model DB-7B</b>	<b>A-20C</b>	948	<b>Total: 2153</b>
1943	<b>Model DB-7</b>	<b>A-20G</b>	2850	
1944	<b>Model DB-7</b>	<b>A-20H</b>	412	<b>Total: 3262</b>
1943	<b>Model DB-7</b>	<b>A-20J</b>	450	
1944	<b>Model DB-7</b>	<b>A-20K</b>	413	<b>Total: 0863</b>
				<b><u>Total: 7478</u></b>

## A-20 PRODUCTION

### **Model 7B**

*Prototype twin engined attack bomber.*

*Model 7A was a paper only design.*

*produced 1938*

Douglas El Segundo, California (DE)

*(Co. owned – no s/n)*

379

1 **Total: 0001**

## DB-7

*As Model 7B, order for France, redesigned fuselage, wings, tail, 131<sup>st</sup> airframe introduced engine upgrade. Last 170 s/n's duplicated from Douglas c/n's. 60 to France with French designation **DB-7 B-3**. 210 diverted to RAF as **Boston Mk. I / Mk. II**. produced 1939 –1940*

Douglas El Segundo, California (DE)  
(France) U-216 / U-315 431 / 530 100  
Douglas Santa Monica, California (DO)  
(France) U-2288 / U-2457 2288 / 2457 170 **Total: 0270**

## DB-7A

*As DB-7, for France, engine upgrade. All diverted from France to RAF as **Havoc Mk. II** produced 1940*

Douglas Santa Monica, California (DO)  
(RAF) AH430 / AH529 2950 / 3049 100 **Total: 0100**  
*1 (AH430), crashed before delivery.*

*DB-73 – 1940, 480 ordered for France but completed to DB-7B standard as (RAF) AL263 / AL502, AL668 / AL907.*

## DB-7B

*As DB-7A, order for Britain, various improvements. Boeing built aircraft had modified electrical system. 32 to NEIAF as D-95 / D-126, with 22 diverted to RAAF as A28-1 / A28-22, 6 captured by Japanese and 4 retained by USAAF. Many to RCAF, SAAF and Russia (151). produced 1940 – 1942*

Douglas Santa Monica, California (DO)  
*All delivered as **Boston Mk. III** to:*  
(RAF) W8252 / W8401 3300 / 3449  
(RAF) Z2155 / Z2304 3450 / 3599  
(RAF) AH740 4149  
(RAF) AL668 / AL907 3600 / 3839 541  
*170 retained by USAAF.*  
Boeing Seattle, Washington (BO)  
*All delivered as **Boston Mk. IIIA** to:*  
(RAF) AL263 / AL336 2130 / 2203  
(RAF) AL337 / AL502 2718 / 2883 240 **Total: 0781**  
*194 retained by USAAF.*

## DB-7C

*As DB-7B, equipment changes, ordered for The Netherlands but diverted to Russia. produced 1942*

Douglas Santa Monica, California (DO)  
(Dutch) DO-101 / DO-148 6265 / 6312 48 **Total: 0048**

## A-20

*As DB-7B, stronger airframe,  
minor changes.*

*produced 1942*

Douglas El Segundo, California (DE)

39-735 / 39-797 unknown

63 **Total: 0063**

*- 3 completed as XF-3 and YF-3.*

*- 1 completed as XP-70.*

*- 59 completed as P-70.*

## A-20A

*As A-20, engine upgrade.*

*produced 1940 – 1941*

Douglas El Segundo, California (DE)

39-721 / 39-734 unknown

40-071 / 40-179 unknown

40-3143 / 40-3162 4150 / 4169

143 **Total: 0143**

*9 to RAAF as A28-32 / A28-40.*

## A-20B

*As A-20A, modified fuselage,  
side mounted guns.*

*produced 1941 – 1943*

Douglas Long Beach, California (DL)

41-2671 / 41-3669 5001 / 5999

999 **Total: 0999**

*665 to Russia.*

*O-53 – 1941, reconn. version of A-20B, 1489 on order cancelled.*

## A-20C

*As A-20B, minor modifications, Boeing  
built aircraft had modified electrical  
system. Many to Russia.*

*produced 1941 – 1943*

Douglas Santa Monica, California (DO)

41-19088 / 41-19462 7490 / 7864

42-32951 / 42-33383 unknown

808

*- 9 to RAAF as A28-23 / A28-31.*

Boeing Seattle, Washington (BO)

41-19589 / 41-19728 2885 / 3024

140 **Total: 0948**

*A-20D – Projected lightweight version with upgraded engines, cancelled.*

## A-20G

*As A-20C, solid armed nose, dorsal  
turret, engine upgrade, more armour.*

*produced 1943 – 1944*

Douglas Santa Monica, California (DO)

42-53535 / 42-54284 10870 / 11619

42-86563 / 42-86912 13964 / 14313

43-9038 / 43-9229 14314 / 14505

43-9231 / 43-9437 14507 / 14713

43-9458 / 43-9637 14734 / 14913

43-9665 / 43-9856 14941 / 15132

43-9881 / 43-9909 15157 / 15185

43-9918 / 43-10104	15194 / 15380	
43-10145 / 43-10237	15421 / 15513	
43-21252 / 43-21431	20899 / 21078	
43-21472 / 43-21551	21119 / 21198	
43-21582 / 43-21701	21229 / 21348	
43-21752 / 43-21827	21399 / 21474	
43-21878 / 43-21987	21525 / 21634	
43-22148 / 43-22251	21795 / 21898	2850
28 to RAAF as A28-50 / A28-77.		<b>Total: 2850</b>
<i>Many to Russia.</i>		

#### A-20H

*As A-20G, engine upgrade.*

*produced 1944*

Douglas Santa Monica, California (DO)

44-001 / 44-008	23224 / 23231	
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44-010 / 44-065	23233 / 23288	
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44-199 / 44-328	23422 / 23551	
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44-407 / 44-536	23630 / 23759	
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44-619 / 44-706	23842 / 23929	412
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*Many to Russia.*

**Total: 0412**

*A-20I – Not used.*

#### A-20J

*As A-20G, frameless glass nose.*

*produced 1943 – 1944*

Douglas Santa Monica, California (DO)

43-9230	14506	
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43-9438 / 43-9457	14714 / 14733	
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43-9638 / 43-9664	14914 / 14940	
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43-9857 / 43-9880	15133 / 15156	
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43-9910 / 43-9917	15186 / 15193	
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43-10105 / 43-10144	15381 / 15420	
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43-21432 / 43-21471	21079 / 21118	
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43-21552 / 43-21581	21199 / 21228	
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43-21702 / 43-21751	21349 / 21398	
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43-21828 / 43-21877	21475 / 21524	
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43-21988 / 43-22147	21635 / 21794	450
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*1 to RAAF as A28-78.*

**Total: 0450**

#### A-20K

*As A-20H but with A-20J nose.*

*produced 1944*

Douglas Santa Monica, California (DO)

44-009	23232	
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44-066 / 44-198	23289 / 23421	
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44-329 / 44-406	23552 / 23629	
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44-537 / 44-618	23760 / 23841	
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44-707 / 44-825	23930 / 24048	413
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*Many to Russia.*

*1175 additional airframes cancelled.*

**Total: 0413**

**Total: 7478**

## A-20 CONVERSIONS & TRANSFERS

### USAAF

RDB-7B	1+	DB-7B, "restricted" ex-RAF Boston Mk. III with USAAF.
RA-20A	1+	A-20A, 1942, redesignation as "restricted" from combat.
XA-20B	1	A-20A, 1941, 3 remote controlled gun turrets.
RA-20C	1	A-20C (41-19205), "restricted" gunnery target conversion.
A-20E	17	A-20A, 1941, prototypes for performance tests.
XA-20F	1	A-20A (39-725), nose mounted cannon, remote control turrets.
CA-20G	412	A-20H, post-war transport conversions.
TA-20H	1+	A-20H, training conversions.
TA-20J	1+	A-20J, training conversions.
TA-20K	1+	A-20K, training conversions.
<b>ZB-20H</b>	<b>1+</b>	A-20H, 1948-1949, redesignation as "obsolete."
<b>XF-3</b>	<b>1</b>	A-20 (39-741), 1942, factory conversion with cameras in bomb bay. Later redesignated as F-3 after testing.
<b>YF-3</b>	<b>2</b>	A-20 (39-745, 39-748), 1942, factory conversions with cameras in rear turret. Later redesignated as F-3 after testing.
<b>F-3A</b>	<b>46</b>	A-20J / K, 1944-1945, conversions for photo reconnaissance.
<b>XP-70</b>	<b>1</b>	A-20 (39-735), 1942, factory conversion to night-fighter role.
<b>P-70</b>	<b>59</b>	A-20, 1942, factory conversions as night-fighters, 20mm cannon.
<b>P-70A-1</b>	<b>39</b>	A-20C, 1943, ventral pack of 6 to 8 machine guns, radar.
<b>P-70A-2</b>	<b>65</b>	A-20G, night-fighter trainers, deletion of movable guns.
<b>P-70B-1</b>	<b>1</b>	A-20G, fitted with SCR-720 radar and six side-mounted guns.
<b>P-70B-2</b>	<b>105</b>	A-20G / J, night-fighters with radar and six ventral guns.

### US Navy

<b>BD-1</b>	<b>1</b>	XF-3 (was A-20), 1942, USMC target tug / utility transfer. Assigned BuNo. 4251.
<b>BD-2</b>	<b>8</b>	A-20B, 1942, USMC target tug / utility duty transfers. Assigned BuNo. 7035 / 7042.

### British RAF

<b>Boston Mk. I</b>	<b>130</b>	DB-7, 1940, aircraft in service with the RAF, training only. Assigned RAF s/n: AE457 / AE472, AX848 / AX851, AX910 / AX918, AX920 / AX975, BB890 / BB912, BD110 / BD127, DK274 / DK277.
<b>Boston Mk. II</b>	<b>80</b>	DB-7, 1940, as Boston Mk. I but with engine upgrade. Assigned RAF s/n: AW392 / AW414, BJ458 / BJ501, BK882, BK883, BL227, BL228, BT460 / BT465, BV203, DG554, DG555.
<b>(Havoc Mk. I)</b>	<b>189</b>	Boston Mk. I / Mk. II, 1940, conversions as night-fighters. <i>Conversions:</i> <b>Havoc Mk. I (Intruder)</b> , originally <i>Havoc Mk. IV</i> . <b>Havoc Mk. I (Pandora)</b> (20), originally <i>Havoc Mk. III</i> . <b>Havoc Mk. I (Nightfighter)</b> <b>Havoc Mk. I (Turbinlite)</b> (31)
<b>Havoc Mk. II</b>	<b>99</b>	DB-7A, 1941, aircraft in service with the RAF as night-fighters. <i>Conversions:</i> <b>Havoc Mk. II (Nightfighter)</b> (60) <b>Havoc Mk. II (Turbinlite)</b> (39)

<b>Boston Mk. III &amp; Boston Mk. IIIA</b>	<b>234</b>	DB-7B, 1941, conversions of new built Mk. III aircraft for RAF. <i>Conversions:</i> <b>Boston Mk. III (Intruder)</b> (13) <b>Boston Mk. III (Turbinlite)</b> (5) <b>Havoc NF.Mk. II</b> (13)
<b>Boston Mk. III &amp; Boston Mk. IIIA</b>	<b>200</b>	A-20C, 1941, aircraft in service with the RAF. Boeing built transfers as Boston Mk. IIIA due to modified electrical system. Assigned RAF s/n: BZ196 / BZ352, BZ355 / BZ378, BZ381 / BZ399. 55 additional field transfers with RAF s/n: HK869 / HK892, HK894 / HK903, HK912, HK918, HK921 / HK924, HK934, HK935, HK960 / HK972. Additional airframes field transferred without RAF s/n applied.
<b>Boston Mk. IV</b>	<b>169</b>	A-20J, 1944, aircraft in service with the RAF. Assigned RAF s/n: BZ400 / BZ568.
<b>Boston Mk. V</b>	<b>90</b>	A-20K, 1944, aircraft in service with the RAF. Assigned RAF s/n: BZ580 / BZ669.

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

- *A-20s in service with Australia, Brazil, Canada, France, South Africa and Russia.*
- *Several converted to civil executive transports post WW2.*