

BOEING Military 707

Military 707 SERVICE

Manufacturer: The Boeing Airplane Co., Seattle, Washington, USA
(In 1961, became The Boeing Co.)

Models: Boeing Model 367-80, 707, 720

Designations: C-137, C-18, E-3, E-6, E-8

Names: Sentry (E-3), Mercury (E-6)

First official flight: Model 367-80 15/07/1954

Factory production period: 1952 – 1991

Primary service period: 1959 – present

Last official flight: - -

Military 707 VARIANTS

Based on the Model 707 / 720 civil airliner, 1011 built from 1952 – 1991.

878 built as 707 / 720 civil versions from 1952 – 1977.

133 built as 707 military / government versions from 1958 – 1991.

US Military / Government

1959	Model 707-153	VC-137A	3	
1962	Model 707-353B	VC-137C	2	
1972	Model 707-320B	EC-137D	2	Total: 007
1975	Model 707-320B	E-3A	22	
1980	Model 707-320B	E-3B	10	
1987	Model 707-320C	E-6A	16	
1990	Model 707-320C	YE-8B	1	Total: 049
1961	Model 720-027	Model 707-027	1	Total: 001
				<u>Total: 057</u>

Foreign Military / Government

1980	Model 707-320B	E-3A	23	
1986	Model 707-320B	KE-3A	8	
1989	Model 707-320B	E-3D	7	
1990	Model 707-320B	E-3F	4	Total: 042
1968	Model 707-320B/C	Model 707 Series	34	Total: 034
				<u>Total: 076</u>

Grand Total: 133

Military 707 VARIANTS – TYPE COMPARISON

<u>Civil Model</u>			<u>Military Designation</u>		
Model 367-80	1	-			Total: 0001
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Model 707-100	53		VC-137	3	
Model 707-138	7	-			
Model 707-100B	72	-			
Model 707-138B	6	-			Total: 0141
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Model 707-200	5	-			Total: 0005
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Model 707-300	69	-			
Model 707-300B	170		VC-137, E-3, 707 Government	80	
Model 707-300C	304		E-6, E-8, 707 Government	49	Total: 0672
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Model 707-400	37	-			Total: 0037
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Model 707-700	1	-			Total: 0001
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Model 720-020	64		707 Government	1	
Model 720-020B	89	-			Total: 0154
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	Total: 878			Total: 133	Total: 1011
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Model 717			C / KC-135	806	
Model 739			RC-135	14	Total: 0820
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					Total: 1831

Military 707 PRODUCTION

US Military / Government

VC-137A

*VIP aircraft, for Presidential use
pending arrival of VC-137C.
produced 1958 – 1959*

Boeing Renton, Washington (BN)

58-6970 / 58-6972 17925 / 17927 3 **Total: 03**

VC-137C

*Name / callsign: "Air Force One". Fourth US Presidential
aircraft, served J.F. Kennedy to R. Reagan from 1962-1989.
62-6000 served as "Air Force One" from 1962-1972, retired in 1998.
72-7000 served as "Air Force One" from 1972-1989, retired in 2001.
produced 1962, 1972*

Boeing Renton, Washington (BN)

62-6000 18461
72-7000 20630 2 **Total: 02**

EC-137D

*Prototypes for Airborne Warning And Control System (AWACS).
Later remanufactured to E-3A standards in 1978.
produced 1971 – 1972*

Boeing Renton, Washington (BN)

71-1407, 71-1408 20518, 20519 2 **Total: 02**

E-3A Sentry

*AWACS aircraft, large rotodome mounted on upper fuselage.
Most later upgraded to E-3B then E-3C standards with
CFM engines.*

produced 1975 – 1980

Boeing Renton, Washington (BN)

73-1674, 73-1675	21046, 21185	
75-0556	21047	
75-0557 / 75-0559	21207 / 21209	
75-0560	21250	
76-1604 / 76-1607	21434 / 21437	
77-0351 / 77-0356	21551 / 21556	
78-0576 / 78-0578	21752 / 21754	
79-0001, 79-0002	21755, 21756	22

Total: 22

11 additional airframes cancelled.

E-3B Sentry

*As E-3A, improved electronic equipment, most later
upgraded to E-3C standards with CFM engines.*

produced 1980 – 1983

Boeing Renton, Washington (BN)

79-0003	21757	
80-0137 / 80-0139	22829 / 22831	
81-0004, 81-0005	22832, 22833	
82-0006, 82-0007	22834, 22835	
83-0008, 83-0009	22836, 22837	10

Total: 10

E-6A Mercury

*US Navy long-range communications aircraft, most later
upgraded to E-6B standards in 1997.*

produced 1986 – 1991

Boeing Renton, Washington (BN)

BuNo. 162782 / 162784	23430, 23889, 23890	
BuNo. 163918 / 163920	23891 / 23893	
BuNo. 164386 / 164388	23894, 24500, 24501	
BuNo. 164404	24502	
BuNo. 164405 / 164410	24504 / 24509	16

Total: 16

3 additional airframes cancelled.

YE-8B

*Prototype for the Joint-STARS surveillance programme.
Additional new-built E-8B's cancelled, airframe taken off USAF
charge in 1992, later to Saudi Air Force, s/n: 1902.*

produced 1990

Boeing Renton, Washington (BN)

88-0322	24503	1
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Total: 01

Model 720-027

*Delivery to the American FAA,
to NASA in 1981, crashed in 1984.*

produced 1961

Boeing Renton, Washington

N113 (civil reg.)	18066	1
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Total: 01

Total: 57

Foreign Military / Government

E-3A Sentry

AWACS aircraft built for foreign orders.

produced 1980 – 1986

Boeing Renton, Washington (BN)

79-0442 22855

- To NATO as LX-N90442.

79-0443 / 79-0459 22838 / 22854

- To NATO as LX-N90443 / LX-N90459.

82-0066 / 82-0070 23417 / 23421

- To RSAF as 1803, 1802,
1801, 1804, 1805.

23 **Total: 23**

KE-3A Sentry

As E-3A, tanker equipped for Saudi Arabia.

produced 1985 – 1987

Boeing Renton, Washington (BN)

82-0071 / 82-0076 23422 / 23427

- To RSAF as 1811 / 1816.

83-0510, 83-0511 23428, 23429

- To RSAF as 1817, 1818.

8 **Total: 08**

(E-3D) Sentry AEW.Mk. 1

As E-3A, AWACS aircraft for Great Britain.

produced 1989 – 1991

Boeing Renton, Washington (BN)

(RAF) ZH101 / ZH106 24109 / 24114

(RAF) ZH107 24499

7 **Total: 07**

E-3F Sentry

As E-3A, AWACS aircraft for France.

produced 1990 – 1991

Boeing Renton, Washington (BN)

(France)

SDA201 / SDA203 24115 / 24117

SDA204 24510

4 **Total: 04**

Model 707 Series

*Military / Government export version
of the 707-320B/C.*

produced 1968 – 1979

Boeing Renton, Washington

Model 707-3F3B

1975, Government aircraft for Argentina.

Completed as 707-387B.

T-01 21070

1

Model 707-3L6B / -3L6C

*1974, Government aircraft for Malaysia,
second airframe delivered in 1975.*

9M-TDM, 9M-TMS 21049, 21096

2

Model 707-307C

*1968, aircraft for West Germany,
designated as C-137.*

68-11071 / 68-11074 19997 / 20000

4

All delivered as:

(West Germany) 10-01 / 10-04

Model 707-347C

1970, Canadian Armed Forces support aircraft, CAF designation: CC-137C .			
(CAF) 13701 / 13705	20315 / 20319	5	
Model 707-366C			
1974, Government aircraft for Egypt. Originally delivered to Egyptair.			
SU-AXJ	20919	1	
Model 707-368C			
1975, Government aircraft for Saudi Arabia.			
HZ-HM1	21081	1	
Model 707-386C			
1978, Government aircraft for Iran.			
EP-HIM	21396	1	
Model 707-3F5C			
1971, aircraft for Portuguese Air Force.			
8801, 8802	20514, 20515	2	
Model 707-3K1C			
1979, Government aircraft for Romania.			
YR-ABD	21651	1	
Model 707-3M1C			
1975, Government aircraft for Indonesia.			
A-7002	21092	1	
Model 707-3J9C			
1974, aircraft for Imperial Iranian Air Force, named as Peace Station .			
(IIAF) 5-241 / 5-246	20830 / 20835		
(renumbered: 5-8301 / 5-8306)			
(IIAF) 5-8307 / 5-8313	21123 / 21129		
(IIAF) 5-8314	21475	14	
Model 707-3P1C			
1977, Government aircraft for Qatar.			
A7-AAA	21334	1	Total: 34
			<u>Total: 76</u>

Military 707 CONVERSIONS

USAF / US Navy

VC-137B	3	VC-137A, 1963, engine upgrade.
(C-137B)	3	VC-137B, downgrade to cargo only duties, retired in 1998.
C-137C	2	Civil 707-320B / -320C, 1985-1998, cargo only conversions. Assigned s/n: 85-6973, 85-6974.
EC-137E	1	Civil 707-320C, 1991-2002, conversion for Commander of US SOUTHCOM. Conversion by E-Systems Inc.
C-18A	9	Civil 707-320C, 1981, crew trainers. Assigned s/n: 81-0891 / 81-0898, 93-1044.
(EC-18B)	4	C-18A, 1985, telemetry reception nose radomes fitted.
(EC-18D)	2	C-18A, missile control conversions.
TC-18E	2	Civil 707-320C, trainer conversions. Assigned s/n: 84-1398, 84-1399.
TC-18F	3	Civil 707-320C, 1994-2001, trainer conversions for the E-6A. Assigned BuNo. 165342, 165343, 166286.
JE-3C	1	E-3A, conversion for development duties.

E-3G	24	E-3C, 2011-present, major electronic upgrade program / upgraded cockpit.
E-8A	2	Civil 707-320C, 1988, Joint (Air Force/Army) Surveillance Target Attack Radar System (Joint-STARS) prototype, conversions by Grumman Aerospace Corp. New s/n: 86-0416 (c/n: T-1), 86-0417 (c/n: T-2), later redesignated as TE-8A for training. Original designation was EC-18C. 2 additional conversions cancelled.
E-8C	18	Civil 707-320C, 1994, remanufactured Joint-STARS airframes by Northrop-Grumman Corp., Louisiana and Florida. New s/n: New c/n: 90-0175 T-3 92-3289, 92-3290 P-1, P-2 93-0597, 93-1097 P-3, P-4 94-0284, 94-0285 P-5, P-6 95-0121, 95-0122 P-8, P-7 96-0042, 96-0043 P-9, P-10 97-0100, 97-0200 P-11, P-12 97-0201 P-13 99-0006 P-14 00-2000 P-15 01-2005 P-16 02-9111 P-17
Model 707-320C	6	Civil 707-320C, conversions for USAF service, most later to E-8C. Assigned s/n: 66-30052 (18949), 67-19417 (19417), 67-30053 (19294), 67-30054 (19442), 68-11174 (20016), 71-1841 (20495).
Model 707-3W6C	1	Civil 707-700, 1982, prototype refurbished for Moroccan Government.
Model 720-020 <i>ASW Demonstrator</i>	1	Civil 720-020, 1972, ASW derivative, MAD booms on wingtips.

FOREIGN MILITARY SERVICE

- *Several foreign 707 conversions designated as **EC-707, KC-707, ELINT and Tanker.***
- *Civil 707 / 720's converted as VIP / transports / tankers for Angola, Argentina, Australia, Benin, Brazil, Chile, Columbia, India, Indonesia, Iran, Israel, Italy, Liberia, Morocco, NATO, Pakistan, Paraguay, Peru, Qatar, Saudi Arabia, South Africa, Spain, Sudan, Taiwan, Togo Government, United Arab Emirates, Venezuela and Zaire.*