

BOEING Military 707

Military 707 SERVICE

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

Models: 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 Jul 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
Model 707-100	53		VC-137	3	
Model 707-138	7	-			
Model 707-100B	72	-			
Model 707-138B	6	-			Total: 0141
Model 707-200	5	-			Total: 0005
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
Model 707-400	37	-			Total: 0037
Model 707-700	1	-			Total: 0001
Model 720-020	64		707 Government	1	
Model 720-020B	89	-			Total: 0154
	Total: 878			Total: 133	Total: 1011
Model 717			C / KC-135	806	
Model 739			RC-135	14	Total: 0820
					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 to E-3A standard in 1978.

produced 1971 – 1972

Boeing Renton, Washington (BN)

71-1407, 71-1408	20518, 20519	2	Total: 02
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E-3A Sentry

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

produced 1975 – 1980

Boeing Renton, Washington (BN)

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

E-3B Sentry

As E-3A, improved electronic equipment, most to E-3C standard with CFM engines.

produced 1980 – 1983

Boeing Renton, Washington (BN)

79-0003	21757		
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80-0137 / 80-0139	22829 / 22831		
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81-0004, 81-0005	22832, 22833		
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82-0006, 82-0007	22834, 22835		
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83-0008, 83-0009	22836, 22837	10	Total: 10
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E-6A Mercury

US Navy long-range communications aircraft, most to E-6B standard in 1997.

produced 1986 – 1991

Boeing Renton, Washington (BN)

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

YE-8B

Prototype for the Joint-STARS surveillance program. Additional new-built E-8B cancelled.

Airframe later to Saudi Air Force, s/n: 1902.

produced 1990

Boeing Renton, Washington (BN)

88-0322	24503	1	Total: 01
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Model 720-027

*Delivery to the American FAA,
to NASA in 1981, crashed in 1984.
produced 1961*

Boeing Renton, Washington

N113	18066	1	Total: 01
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Total: 57

Foreign Military / Government**E-3A Sentry**

AWACS aircraft built for foreign orders.

produced 1980 – 1986

Boeing Renton, Washington (BN)

79-0442	22855		
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- To NATO as LX-N90442.

79-0443 / 79-0459	22838 / 22854		
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- To NATO as LX-N90443 / LX-N90459.

82-0066 / 82-0070	23417 / 23421	23	Total: 23
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*- To RSAF as 1803, 1802,
1801, 1804, 1805.*

KE-3A Sentry

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

produced 1985 – 1987

Boeing Renton, Washington (BN)

82-0071 / 82-0076	23422 / 23427		
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- To RSAF as 1811 / 1816.

83-0510, 83-0511	23428, 23429	8	Total: 08
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- To RSAF as 1817, 1818.

(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		
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(RAF) ZH107	24499	7	Total: 07
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E-3F Sentry

As E-3A, AWACS aircraft for France.

produced 1990 – 1991

Boeing Renton, Washington (BN)

(France)

SDA201 / SDA203	24115 / 24117		
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SDA204	24510	4	Total: 04
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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	
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Model 707-3L6B / -3L6C		
<i>1974, Government aircraft for Malaysia, second airframe delivered in 1975.</i>		
9M-TDM, 9M-TMS	21049, 21096	2
Model 707-307C		
<i>1968, aircraft for West Germany, designated as C-137.</i>		
68-11071 / 68-11074	19997 / 20000	4
<i>All delivered as:</i>		
<i>(West Germany) 10-01 / 10-04</i>		
Model 707-347C		
<i>1970, Canadian Armed Forces support aircraft, CAF designation: CC-137C.</i>		
(CAF) 13701 / 13705	20315 / 20319	5
Model 707-366C		
<i>1974, Government aircraft for Egypt. Originally delivered to EgyptAir.</i>		
SU-AXJ	20919	1
Model 707-368C		
<i>1975, Government aircraft for Saudi Arabia.</i>		
HZ-HM1	21081	1
Model 707-386C		
<i>1978, Government aircraft for Iran.</i>		
EP-HIM	21396	1
Model 707-3F5C		
<i>1971, aircraft for Portuguese Air Force.</i>		
8801, 8802	20514, 20515	2
Model 707-3K1C		
<i>1979, Government aircraft for Romania.</i>		
YR-ABD	21651	1
Model 707-3M1C		
<i>1975, Government aircraft for Indonesia.</i>		
A-7002	21092	1
Model 707-3J9C		
<i>1974, aircraft for Imperial Iranian Air Force, named as Peace Station.</i>		
(IIAF) 5-241 / 5-246	20830 / 20835	
<i>(renumbered: 5-8301 / 5-8306)</i>		
(IIAF) 5-8307 / 5-8313	21123 / 21129	
(IIAF) 5-8314	21475	14
Model 707-3P1C		
<i>1977, Government aircraft for Qatar.</i>		
A7-AAA	21334	1
		Total: 34
		<u>Total: 76</u>

Military 707 CONVERSIONS & TRANSFERS

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 ASW <i>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 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.