

NORTHROP F-5 FREEDOM FIGHTER

F-5 SERVICE

Manufacturer: Northrop Aircraft Inc., Hawthorne, California, USA
(In 1959, became Northrop Corp., Aircraft Group)

Model: N-156

Designations: F-5; F-20, X-29, CF-116 (CAF)

Names: Freedom Fighter (F-5A / B), Tiger II (F-5E / F);
Tigereye (RF-5E), Tigershark (F-20A)

First official flight: N-156F 30 Jul 1959

YF-5A 31 Jul 1963

Factory production period: 1958 – 1989

Primary service period: 1964 – 1990s

Last official flight: F-5E Mar 1996

F-5 VARIANTS

1959	Model N-156F	N-156F <i>Prototype</i>	2	
1963	Model N-156F	YF-5A	2	Total: 0004

1963	Model N-156A	F-5A	621	
1968	Model N-156C	RF-5A	89	
1964	Model N-156B	F-5B	180	Total: 0890

1972	Model N-156	F-5E	1150	
1982	Model N-156	RF-5E	12	
1974	Model N-156	F-5F	255	Total: 1417

1982	Model N-156	F-5G	3	Total: 0003
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Total: 2314

Foreign built – Canada:

1968	Model CL-219	CF-5A	89	
1968	Model CL-219	CF-5D	46	
1969	Model CL-226	NF-5A	75	
1969	Model CL-226	NF-5B	30	Total: 0240

Foreign built – Spain:

1969	Model -	SF-5A	18	
1970	Model -	SRF-5A	18	
1968	Model -	SF-5B	34	Total: 0070

Total: 0310

Grand Total: 2624

F-5 PRODUCTION

*Development began as the company funded **Northrop Model N-156**, proposed in two versions as the **N-156F (F-5 Freedom Fighter)** and **N-156T (T-38 Talon)**.*

N-156F

*Prototype twin-engined light tactical fighter designed for foreign military sales. Both later upgraded to **F-5A** standard.*

produced 1958 – 1959

Northrop Hawthorne, California (NO)

59-4987, 59-4988 N.6001, N.6002

2 Total: 0002

YF-5A

As N-156F, structural improvements for weapons carriage, engine upgrade.

*Later upgraded to **F-5A** standard.*

59-4993 was static test airframe only

*designated as **XF-5A**.*

produced 1962 – 1963

Northrop Hawthorne, California (NO)

59-4989, 59-4993 N.6003, N.6000

2 Total: 0002

F-5A

As YF-5A, minor changes.

produced 1962 – 1972

Northrop Hawthorne, California (NO)

63-8367 / 63-8370 N.6004 / N.6007

*- 4 to **F-5B**, new s/n: 65-13071 / 65-13074,
new c/n: N-6004B / 6007B.*

63-8371 / 63-8437 N.6008 / N.6074

- 18 to USAF.

- 16 to Greece.

- 11 to Iran.

- 22 to S. Korea.

64-13306 / 64-13367 N.6075 / N.6136

- 7 to USAF.

- 9 to Greece.

- 7 to The Philippines.

- 7 to Iran.

- 6 to S. Korea.

- 7 to Taiwan as 7201 / 7207.

- 19 to Turkey.

64-13368 / 64-13376 N.7001 / N.7009

*- 9 to Norway as **F-5A(G)**.*

65-10476 / 65-10561 N.6137 / N.6222

- 18 to USAF.

- 5 to Ethiopia.

- 8 to Greece.

- 15 to Iran.

- 9 to The Philippines.

- 19 to S. Korea.

- 11 to Taiwan.

- 1 to Turkey.

65-10562 / 65-10581 N.7010 / N.7029

*- 20 to Norway as **F-5A(G)**.*

66-9119 / 66-9206	N.6223 / N.6310
- 2 to Northrop.	
- 6 to USAF.	
- 3 to Ethiopia.	
- 12 to Greece.	
- 10 to Iran.	
- 4 to Morocco.	
- 3 to The Philippines.	
- 5 to S. Korea.	
- 24 to Taiwan.	
- 4 to Thailand.	
- 15 to Turkey.	
66-9207 / 66-9229	N.7030 / N.7052
- 23 to Norway as F-5A(G) .	
66-14457 / 66-14466	N.6311 / N.6320
- 7 to Taiwan.	
- 3 to Turkey.	
67-14894 / 67-14905	N.7057 / N.7068
- 12 to Norway as F-5A(G) .	
67-21153, 67-21154	N.6344, N.6345
- 2 to Taiwan.	
67-21155, 67-21156	N.7053, N.7054
- 2 to Norway as F-5A(G) .	
67-21157 / 67-21163	N.6346 / N.6352
- 6 to Taiwan.	
- 1 to Turkey.	
67-21164, 67-21165	N.7055, N.7056
- 2 to Norway as F-5A(G) .	
67-21166 / 67-21218	N.6353 / N.6405
- 1 to Ethiopia.	
- 8 to Iran.	
- 3 to Libya.	
- 14 to S. Korea.	
- 9 to Taiwan.	
- 18 to Turkey – 13 to RF-5A .	
67-21236, 67-21237	N.6342, N.6343
- 2 to Thailand.	
67-21238 / 67-21258	N.6321 / N.6341
- 5 to Morocco.	
- 2 to Thailand.	
- 14 to Turkey.	
67-22548 / 67-22550	N.6406 / N.6408
- 3 to Iran.	
67-22551 / 67-22555	N.6413 / N.6417
- 5 to Libya.	
68-9043 / 68-9046	N.6409 / N.6412
- 4 to S. Korea.	
68-9047 / 68-9085	N.6418 / N.6456
- 4 to Greece.	
- 31 to Iran.	
- 2 to S. Korea.	
- 2 to Taiwan.	
69-7091 / 69-7124	N.6457 / N.6490
- 3 to Iran.	
- 9 to Morocco.	
- 22 to Taiwan.	

69-7125 / 69-7134 N.7069 / N.7078

- 10 to Norway as **F-5A(G)**.

69-7174 / 69-7177 N.6491 / N.6494

- 4 to Iran.

70-1373 / 70-1407 N.6495 / N.6529

- 3 to Greece.

- 10 to Iran.

- 1 to Morocco as 01389.

- 13 to S. Korea.

- 2 to Taiwan.

- 3 to Thailand.

- 3 to Turkey.

71-0260 / 71-0276 N.6530 / N.6546

- 3 to Ethiopia.

- 3 to Thailand.

- 11 to S. Vietnam.

181 additional airframes cancelled.

621 **Total: 0621**

RF-5A

*As F-5A, photo reconn. version,
camera in modified nose section.*

produced

Northrop Hawthorne, California (NO)

67-21219 / 67-21231 RF.1001 / RF.1013

- 13 to Iran.

68-9097 / 68-9099 RF.1014 / RF.1016

- 3 to Turkey.

68-9100 / 68-9113 RFG.1001 / RFG.1014

- 14 to Norway as **RF-5A(G)**.

68-10489, 68-10490 RFG.1015, RFG.1016

- 2 to Norway as **RF-5A(G)**.

69-7137 / 69-7173 RF.1017 / RF.1053

- 10 to Greece.

- 6 to S. Vietnam.

- 4 to Thailand.

- 17 to Turkey.

70-1614 / 70-1622 RF.1054 / RF.1062

- 6 to Greece.

- 2 to Morocco.

- 1 to S. Vietnam.

71-0277 / 71-0279 RF.1063 / RF.1065

- 2 to S. Korea.

- 1 to S. Vietnam.

71-1029 / 71-1032 RF.1066 / RF.1069

- 4 to S. Korea.

71-1035 / 71-1038 RF.1070 / RF.1073

- 2 to S. Korea.

- 2 to S. Vietnam.

23 additional airframes cancelled.

89 **Total: 0089**

F-5B

As F-5A, tandem 2-seater trainer version.

*4 also upgraded from **F-5A**.*

produced 1963 – 1975

Northrop Hawthorne, California (NO)

63-8438 / 63-8451 N.8001 / N.8014

- 4 to Northrop.

- 4 to USAF.

- 2 to Iran.	
- 4 to S. Korea.	
63-13692	N.8015
- 1 to Greece.	
64-13377	N.8025
- 1 to Greece.	
64-13378 / 64-13386	N.8016 / N.8024
- 1 to Greece.	
- 2 to Iran.	
- 2 to The Philippines.	
- 2 to Taiwan.	
- 2 to Turkey.	
64-13387, 64-13388	N.9001, N.9002
- 2 to Norway.	
65-10582 / 65-10593	N.8026 / N.8037
- 1 to USAF.	
- 2 to Ethiopia.	
- 1 to Greece.	
- 2 to Iran.	
- 1 to The Philippines.	
- 1 to S. Korea.	
- 4 to Turkey.	
65-10594, 65-10595	N.9003, N.9004
- 2 to Norway.	
66-9230 / 66-9240	N.8038 / N.8048
- 2 to USAF.	
- 1 to Greece.	
- 5 to Iran.	
- 3 to Taiwan.	
66-9241 / 66-9244	N.9005 / N.9008
- 4 to Norway.	
67-14906 / 67-14909	N.9009 / N.9012
- 4 to Norway.	
67-21272 / 67-21284	N.8049 / N.8061
- 2 to Libya.	
- 2 to S. Korea.	
- 6 to Taiwan.	
- 3 to Turkey.	
67-22556, 67-22557	N.8062, N.8063
- 1 to Iran.	
- 1 to Turkey.	
68-9086 / 68-9096	N.8064 / N.8074
- 4 to Greece.	
- 4 to Iran.	
- 2 to S. Korea.	
- 1 to Taiwan.	
69-7089, 69-7090	N.8075, N.8076
- 2 to Iran.	
69-7135, 69-7136	N.9013, N.9014
- 2 to Norway.	
70-1408	N.8077
- 1 to USAF.	
70-1608 / 70-1613	N.8078 / N.8083
- 5 to Iran.	
- 1 to Morocco.	

70-1948	N.8084	
- 1 to Turkey.		
71-1033, 71-1034	N.8085, N.8086	
- 1 to USAF.		
- 1 to S. Korea.		
72-0436 / 72-0449	N.8087 / N.8100	
- 4 to USAF.		
- 8 to S. Korea.		
- 2 to Turkey.		
72-1337 / 72-1356	N.8101 / N.8120	
- 20 to Saudi Arabia.		
73-1602 / 73-1613	N.8121 / N.8132	
- 1 (73-1610) to Northrop as test aircraft.		
- 2 to USAF.		
- 2 to Jordan.		
- 3 to S. Vietnam.		
- 3 to Taiwan.		
- 1 to Thailand.		
74-0775 / 74-0786	N.8133 / N.8144	
- 2 to Malaysia as FM2201, FM2202.		
- 10 to Taiwan.		
74-1576 / 74-1581	X.1001 / X.1006	
- 6 to Brazil as 4800 / 4805.		
74-2114 / 74-2129	-	180 Total: 0180
- 16 to S. Korea.		
44 additional airframes cancelled.		

F-5D – Proposed F-5B version for USAF, cancelled.

F-5E

*As F-5A, fuselage / engine / avionics armament upgrade.
produced 1971 – 1989
Northrop Hawthorne, California (NO)*

71-1417 / 71-1421	R.1001 / 1005
- 5 to USAF.	
72-1386 / 72-1406	R.1006 / 1026
- 21 to USAF.	
73-0846 / 73-0888	R.1027 / 1069
- 43 to S. Vietnam – 4 to US Navy, BuNo. 160792 / 160795.	
73-0890	R.1072
- 1 to S. Vietnam.	
73-0892 / 73-0902	<i>mixed</i> R.1073 to R.1098
- 3 to US Navy, BuNo. 159878 / 159880.	
- 8 to S. Vietnam – 1 to US Navy, BuNo. 160796.	
73-0903 / 73-0932	T.1001 / T.1030
- 30 to Saudi Arabia.	
73-0933 / 73-0990	U.1001 / U.1058
- 58 to Iran.	
73-1626 / 73-1646	<i>mixed</i> R.1070 to R.1102
- 14 to S. Korea.	
- 7 to S. Vietnam.	
74-0958 / 74-0997	V.1001 / R.1040
- 40 to Taiwan as 5101 / 5140.	

74-1362 / 74-1444 U.1059 / U.1141
 - 83 to Iran.

74-1445 / 74-1575 *mixed* R.1103 to R.1275
 - 66 to USAF, 3 to US Navy, BuNo.
 159881, 159882, 162307.
 - 8 to Ethiopia as 417 / 424.
 - 22 to Jordan as 902 / 923.
 - 14 to Malaysia as FM2203 / FM2216.
 - 21 to S. Korea.

74-1582 / 74-1617 Y.1001 / Y.1036
 - 36 to Brazil as 4820 / 4855.

75-0314 / 75-0373 V.1041 / V.1100
 - 60 to Taiwan as 5141 / 5200.

75-0442 / 75-0456 I.1001 / I.1015
 - 15 to Chile as J-800 / J-814.

75-0457 / 75-0461 *mixed* R.1213 to R.1229
 - 5 to S. Korea.

75-0462 / 75-0490 T.1031 / T.1059
 - 29 to Saudi Arabia.

75-0491 / 75-0527 *mixed* R.1219 to R.1274
 - 10 to Jordan as 924 / 933.
 - 27 to S. Korea.

75-0562 / 75-0572 T.1060 / T.1070
 - 10 to Saudi Arabia.

75-0573 / 75-0627 *mixed* R.1276 to R.1332
 - 8 to Jordan as 934 / 941.
 - 3 to Morocco.
 - 33 to S. Korea.
 - 3 to Thailand.
 - 8 to Yemen.

76-0471 / 76-0490 V.1101 / V.1120
 - 20 to Taiwan as 5201 / 5220.

76-1526 / 76-1591 L.1001 / L.1066
 - 66 to Switzerland as J-3001 / J-3066.

76-1616 / 76-1639 V.1121 / V.1144
 - 24 to Taiwan as 5221 / 5244.

76-1643 / 76-1676 *mixed* R.1330 to R.1364
 - 21 to S. Korea.
 - 13 to Thailand.

76-1677 / 76-1686 I.1016 / I.1025
 - 10 to Kenya as 901 / 910.

77-0328 / 77-0331 V.1145 / V.1148
 - 4 to Taiwan as 5245 / 5248.

77-0332 / 77-0335 VE.1001 / VE.1004
 - 4 to Taiwan as 5249 / 5252.

77-0366 / 77-0379 HA.1001 / HA.1014
 - 14 to Singapore as 800 / 806, 810 / 815, 820.

77-1767 / 77-1770 HA.1015 / HA.1018
 - 4 to Singapore as 821 / 824.

77-1771 / 77-1777 *mixed* R.1365 to R.1373
 - 3 to Jordan as 1145 / 1147.
 - 4 to Yemen.

78-0028 / 78-0037 VE.1005 / VE.1014
 - 10 to Taiwan as 5253 / 5262.

78-0770 / 78-0773 *mixed* R.1371 to R.1375
 - 4 to Thailand.

78-0789 / 78-0798 - 10 to Jordan as 1148 / 1157.	R.1376 / R.1385
78-0814 / 78-0821 - 8 to Indonesia as TS-0501 / TS-0508.	IE.1001 / IE.1008
78-0826 / 78-0829 - 4 to Indonesia as TS-0509 / TS-0512.	IE.1009 / IE.1012
78-0865 / 78-0875 -11 to Taiwan as 5263 / 5273.	VE.1015 / VE.1025
78-2447 - 1 to Malaysia as FM2217.	R.1390
79-1681 / 79-1687 - 7 to Thailand.	TU.1001 / TU.1007
79-1688 / 79-1691 - 4 to Jordan as 1158 / 1161.	R.1386 / R.1389
79-1694 / 79-1697 - 4 to Thailand.	TU.1008 / TU.1011
79-1698 / 79-1701 - 4 to Jordan as 1162 / 1165.	R.1391 / R.1394
79-1702 / 79-1707 - 6 to Thailand.	TU.1012 / TU.1017
79-1717 / 79-1720 - 4 to Taiwan as 5274 / 5277.	VG.1001 / VG.1004
79-1920 / 79-1925 - 6 to Morocco.	ME.1011 / ME.1016
79-1926 / 79-1931 - 6 to Singapore as 830 / 835.	HA.1019 / HA.1024
79-1932 / 79-1941 - 10 to Morocco.	ME.1001 / ME.1010
80-0299 / 80-0319 - 21 to Taiwan as 5278 / 5298.	VG.1005 / VG.1025
81-0558 / 81-0593 - 36 to S. Korea.	KE.1001 / KE.1036
81-0614 / 81-0625 - 12 to S. Korea.	KE.1037 / KE.1048
81-0632 / 81-0638 - 7 to Mexico as 4001 / 4007.	MX.1001 / MX.1007
81-0823 / 81-0825 - 3 to Mexico as 4508 / 4510.	MX.1008 / MX.1010
81-0826 / 81-0857 - 32 to Switzerland as J-3067 / J-3098.	L.1067 / L.1098
82-0634 / 82-0639 - 6 to Tunisia.	<i>mixed</i> HW.1001 to HW.1007
82-0644, 82-0645 - 2 to Tunisia.	HW.1006, HW.1008
83-0083 / 83-0112 - 30 to Taiwan as 5313 / 5342.	VG.1040 / VG.1069
84-0183, 84-0184 - 2 to Sudan as 206, 208.	IT.1031, IT.1032
84-0490, 84-0491 - 2 to Malaysia as M29-21, -22.	HR.1001, HR.1002
85-0043, 85-0044 - 2 to Bahrain as 688, 684.	HY.1008, HY.1004
85-0057, 85-0058 - 2 to Bahrain as 685, 683.	HY.1005, HY.1003

85-1586 / 85-1591	HI.1001 / HI.1006	
- 6 to Singapore as 836 / 841.		
85-1592 / 85-1595	mixed HY.1001 to HY.1007	
- 4 to Bahrain as 681, 682, 686, 687.		
86-0405 / 86-0409	-	
- 5 to Singapore as 870 / 874.		
N300FG	GG.1003	1150 Total: 1150
- Unknown civil operator.		
40 additional airframes cancelled.		

RF-5E Tigereye

As F-5E, photo reconn. version,
camera in modified nose section.

produced 1982 – 1983

Northrop Hawthorne, California (NO)

80-0333, 80-0334	RA.1001, RA.1002	
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- 2 to Malaysia as M29-19, -20.

84-0194 / 84-0203	TR.1001 / TR.1010	12 Total: 0012
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- 10 to Saudi Arabia.

F-5F

As F-5E, tandem 2-seater trainer version.

produced 1974 – 1986

Northrop Hawthorne, California (NO)

73-0889, 73-0891	W.1001, W.1002	
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- 2 to USAF.

75-0681 / 75-0708	Z.1001 / Z.1028	
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- 28 to Iran.

75-0709 / 75-0711	J.1001 / J.1003	
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- 3 to Chile as J-815 / J-817.

75-0712 / 75-0731	H.1001 / H.1020	
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- 20 to Saudi Arabia.

75-0735 / 75-0742	mixed W.1003 to W.1013	
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- 2 to Jordan as 1750, 951.

- 6 to S. Korea.

75-0753 / 75-0755	mixed W.1006 to W.1012	
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- 3 to US Navy, BuNo. 160964 / 160966.

76-1592 / 76-1597	M.1001 / M.1006	
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- 6 to Switzerland as J-3201 / J-3206.

76-1611 / 76-1613	W.1014 / W.1016	
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- 3 to Thailand.

76-1614, 76-1615	J.1004, J.1005	
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- 2 to Kenya as 911, 912.

76-1640 / 76-1642	K.1001 / K.1003	
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- 3 to Taiwan as 5351 / 5353.

77-0336 / 77-0350	K.1004 / K.1018	
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- 15 to Taiwan as 5354 / 5368.

77-0359 / 77-0361	HC.1001 / HC.1003	
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- 3 to Singapore as 850 / 852.

77-0362 / 77-0365	H.1021 / H.1024	
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- 4 to Saudi Arabia.

77-1778, 77-1779	W.1019, W.1020	
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- 2 to Jordan as 1751, 1752.

78-0774 / 78-0787	W.1021 / W.1034	
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- 14 to S. Korea.

78-0802, 78-0803	W.1035, W.1036	
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- 2 to Jordan as 1142, 1143.

78-0822 / 78-0825	IF.1001 / IF.1004	
- 4 to Indonesia as TL-0513 / TL-0516.		
78-0876 / 78-0884	VF.1001 / VF.1009	
- 9 to Taiwan as 5369 / 5377.		
78-2435, 78-2436	W.1017, W.1018	
- 2 to Jordan as 952, 953.		
78-2444 / 78-2446	W.1037 / W.1039	
- 3 to Malaysia as FM2251 / FM2253.		
79-1692, 79-1693	TV.1001, TV.1002	
- 2 to Thailand.		
79-1708, 79-1709	TV.1003, W.1041	
- 1 to Thailand.		
- 1 to Malaysia as FM2254.		
79-1721 / 79-1726	VH.1001 / VH.1006	
- 6 to Taiwan as 5378 / 5383.		
79-1916 / 79-1919	mixed W.1040 to W.1044	
- 4 to Jordan as 644, 1753 / 1755.		
79-1942 / 79-1945	MF.1001 / MF.1004	
- 4 to Morocco.		
80-0296 / 80-0298	VH.1007 / VH.1009	
- 3 to Taiwan as 5384 / 5386.		
81-0006 / 81-0019	VG.1026 / VG.1039	
- 14 to Taiwan as 5299 / 5312.		
81-0594 / 81-0613	KF.1001 / KF.1020	
- 20 to S. Korea.		
81-0639, 81-0640	MY.1001, MY.1002	
- 2 to Mexico as 4501, 4502.		
81-0641, 81-0642	J.1006, J.1007	
- 2 to Kenya as 913, 914.		
81-0858 / 81-0863	M.1007 / M.1012	
- 6 to Switzerland as J-3207 / J-3212.		
82-0004, 82-0005	IH.1005, IH.1006	
- 2 to Sudan as 201, 200.		
82-0089 / 82-0091	IS.1001 / IS.1003	
- 1 to Brazil as 4808.		
- 2 to Honduras as FAH-4001, -4002.		
82-0187 / 82-0189	HO.1004, HO.1005, HO.1003	
- 3 to Singapore as 853 / 855.		
82-0640 / 82-0643	HX.1001 / HX.1004	
- 4 to Tunisia.		
83-0072 / 83-0074	IS.1004 / IS.1006	
- 3 to USAF.		
83-0113 / 83-0142	VH.1010 / VH.1039	
- 30 to Taiwan as 5387 / 5416.		
84-0456, 84-0457	IH.1019, IH.1009	
- 2 to USAF.		
85-0053 / 85-0056	HZ.1001 / HZ.1004	
- 4 to Bahrain as 641 / 644.		
86-0090, 86-0091	-	
- 2 to Singapore as 860, 861.		
86-0388	IH.1008	
- 1 to Singapore as 862.		
5 additional airframes cancelled.		

255 Total: 0255

F-5G

*As F-5E, fuselage / engine / avionics
armament upgrade. All carried civil
reg: N4416T, N3986B and N44671.*

*Later redesignated as **F-20A Tigershark**.
produced 1981 – 1982*

Northrop Hawthorne, California (NO)

82-0062 GG.1001

82-0063, 82-0064 GI.1001, GI.1002

1 (82-0065), additional airframe cancelled.

3 **Total: 0003**

Total: 2314

Foreign built – Canada:

CF-5A

*Canadian version of the F-5A,
engine upgrade, minor changes.*

*CAF designation: **CF-116**, pre-1968*

RCAF s/n: 14701 / 14789.

*Convertible reconn. version was **CF-5A(R)**.*

produced 1967 – 1974

Canadair Ltd., Cartierville, Montreal,
Quebec, Canada

(CAF) 116701 / 116789 1001 / 1089

89

CF-5D

*Canadian version of the F-5B,
engine upgrade, minor changes.*

*CAF designation: **CF-116D**, pre-1968*

RCAF s/n: 14801 / 14846.

produced 1967 – 1975

Canadair Ltd., Cartierville, Montreal,
Quebec, Canada

(CAF) 116801 / 116846 2001 / 2046

46

NF-5A

*The Netherlands version of the F-5A,
engine upgrade, minor changes.*

produced 1968 – 1972

Canadair Ltd., Cartierville, Montreal,
Quebec, Canada

(Dutch)

K-3001 / K-3075 3001 / 3075

75

NF-5B

*The Netherlands version of the F-5B,
engine upgrade, minor changes.*

produced 1968 – 1972

Canadair Ltd., Cartierville, Montreal,
Quebec, Canada

(Dutch)

K-4001 / K-4030 4001 / 4030

30 **Total: 0240**

Foreign built – Spain:

SF-5A

Spanish version of the F-5A designated as C.9, later A.9 for attack.

produced 1969 – 1971

Construcciones Aeronauticas SA (CASA),
Madrid & Seville, Spain
(Spain)

C.9-035 / C.9-052 2035 / 2052 18

SRF-5A

Spanish version of the RF-5A designated as CR.9, later AR.9 for attack.

produced 1970 – 1972

Construcciones Aeronauticas SA (CASA),
Madrid & Seville, Spain
(Spain)

CR.9-053 / CR.9-070 2053 / 2070 18

SF-5B

Spanish version of the F-5B designated as CE.9, later AE.9 for attack.

produced 1967 – 1969

Construcciones Aeronauticas SA (CASA),
Madrid & Seville, Spain
(Spain)

CE.9-001 / CE.9-034 2001 / 2034 34 **Total: 0070**

Total: 0310

F-5 CONVERSIONS & TRANSFERS

USAF

NF-5A	1	F-5A, permanent conversion for testing, civil reg: N6004
GF-5B	4	F-5B, ground instructional conversions.
YF-5B-21	1	F-5B (63-8445), 1969, prototype with engine upgrade, developed into the F-5E <i>Tiger II</i> .
F-5C	12	F-5A, 1965, temporary designation for USAF tests in Vietnam under the “ <i>Skoshi Tiger</i> ” evaluation program. Production orders cancelled.
X-29A	2	F-5A (63-8372, 65-10573), 1984-1991, components used to build two prototypes with forward-swept wings and other aerodynamic features. Built by Grumman Aerospace Corp. as Model G-712, tested by NASA. New s/n: 82-0003, 82-0049.

US Navy

F-5N	32	Swiss F-5E, 2004-present, re-manufactured airframes, avionics upgrade as aggressor aircraft in combat training. Retained former USAF s/n's. Conversions by Northrop-Grumman Corp., Florida.
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Foreign Conversions

F-5S	34	F-5E, 1994, life-extension upgrades for Singapore. 8 reconnaissance upgrades designated as RF-5S. Upgrades by Singapore Technologies Aerospace (STAE), Singapore.
F-5T	9	F-5F, 1994, life-extension upgrades for Singapore. Upgrades by Singapore Technologies Aerospace (STAE), Singapore.

FOREIGN MILITARY SERVICE

- *F-5 aircraft in military service with the air forces of Austria, Bahrain, Botswana, Brazil, Canada, Chile, Egypt, Ethiopia, Greece, Honduras, Indonesia, Iran, Jordan, Kenya, Libya, Malaysia, Mexico, Morocco, The Netherlands, Norway, Pakistan, The Philippines, Saudi Arabia, Singapore, South Korea, South Vietnam, Spain, Sudan, Switzerland, Taiwan, Thailand, Tunisia, Turkey, Venezuela and Yemen.*
- *F-5 fighters still a major component with many air forces worldwide, some upgrades available are the (EADS-CASA) **F-5EM / FM**, (IAI) **F-5Plus Tiger III**, (Northrop-Grumman) **F-5E Tiger IV** and **F-5 Tiger 2000**.*