McDONNELL F-4 PHANTOM II

F-4 SERVICE

Manufacturer:		Corp., St. Louis, Missouri, USA McDonnell Douglas Corp., McDonnell n)
Model:	98	
Designations:	F-4; AH, F-110, F4	!H
Names:	Phantom II; Spectr	re (temporary, F-110)
First official flight:	YF4H-1	27 May 1958
Factory production	period:	1957 – 1979
		1972 – 1981 (Foreign built)
Primary service per	riod:	1960 – 1980s
Last official flight:	F-4S	14 May 1987 (US Navy)
		08 Jan 1992 (USMC)
	F-4G	20 Apr 1996 (USAF)

F-4 VARIANTS

1958	Model 98	YF4H-1	2	Total: 0002
1961	Model 98AM Model 98AM	F4H-1F (F-4A) F4H-1 (F-4B)	45 649	
1965	Model 98DH	RF-4B	46	Total: 0740
	Model 98DE / DJ Model 98DF		583 2	
	Model 98DF		503	
	Model 98EN	F-4D		Total: 1913
	Model 98HO	F-4E	1387	
	Model 98HO	F-4E(J)	13	
	Model 98 Model 98	RF-4E RF-4E(J)	132 14	
	Model 98 Model 98	F-4F		Total: 1721
1966	Model 98EV	F-4J	522	Total: 0522
1966	Model 98	F-4K	52	
1967	Model 98	F-4M	118	Total: 0170
				<u>Total: 5068</u>
	Foreign built – Japa	an [.]		

	Foreign bui	lt — Japan:	
1973	Model 98	F-4E(J)	127 <u>Total: 0127</u>

F-4 PRODUCTION

2
5
9
6
5

	63-7407 / 63-7713 64-0654 / 64-0928 27 additional airframes cancelle	mixed 311 to 863 mixed 866 to 1417 ed.	583	Total: 0583
YRF-4				
	As RF-4B, prototype version for Original designation was YRF-1 F-4C s/n: 62-12168 also conver produced 1963	1 10A . ted.		
	McDonnell St. Louis, Miss 62-12200, 62-12201	266, 268	2	Total: 0002
RF-40	-	200, 200	2	10tal. 0002
	As YRF-4C, production version Original designation was RF-11 produced 1964 – 1973 McDonnell St. Louis, Miss	0A .		
	63-7740 / 63-7763 64-0997 / 64-1085	mixed 412 to 652 mixed 660 to 1186		
	65-0818 / 65-0945	mixed 1193 to 1800		
	66-0383 / 66-0478	mixed 1817 to 2713		
	67-0428 / 67-0469	mixed 2721 to 3308		
	68-0548 / 68-0611	mixed 3319 to 3674		
	69-0349 / 69-0384	mixed 3680 to 4031		
	71-0248 / 71-0259	mixed 4209 to 4268		
	72-0145 / 72-0156	mixed 4300 to 4396	503	Total: 0503
	129 additional airframes cancel	led.		
F-4D				
	As F-4C, weapons systems upg produced 1965 – 1969	jrade.		
	McDonnell St. Louis, Miss	ouri (MC)		
	64-0929 / 64-0980	mixed 1219 to 1467		
	65-0580 / 65-0801	mixed 1470 to 1880		
	66-0226 / 66-0283	mixed 1881 to 1956		
	66-7455 / 66-7774	mixed 1957 to 2429		
	66-8685 / 66-8825	mixed 2430 to 2862		
	67-14869 / 6714884 - 16 to Iran as 3-601 / 3-616.	mixed 3031 to 3311		
	68-6904 / 68-6919 - 16 to Iran as 3-617 / 3-632.	mixed 3323 to 3592	825	Total: 0825
	65 additional airframes cancelle	ed.		
F-4E				
	As F-4D, engine upgrade, 20mi cannon, various improvements. produced 1967 – 1979			
	McDonnell St. Louis, Miss	ouri (MC)		
	66-0284 / 66-0382	mixed 2234 to 2809		
	67-0208 / 67-0398	mixed 2812 to 3315		
	68-0303 / 68-0547	mixed 3316 to 3755		
	69-0236 / 69-0307	mixed 3757 to 3851		
	69-7201 / 69-7273	mixed 3854 to 3961		
	69-7286 / 69-7303	mixed 3964 to 3987		
	69-7546 / 69-7589	mixed 3988 to 4087		

69-7711 / 69-7742 mixed 4093 to 4200 - 32 to Iran as 3-692 / 3-722, 3-656. 71-0224 / 71-0247 mixed 4205 to 4237 - 14 to Israel. 71-1070 / 71-1166 mixed 4238 to 4591 - 73 to Iran as 3-723 / 3-795. mixed 4269 to 4280 71-1391 / 71-1402 - 9 to Israel. 71-1779 / 71-1796 mixed 4299 to 4382 - 18 to Israel. mixed 4281 to 4318 72-0121 / 72-0144 - 10 to Israel. 72-0157 / 72-0168 mixed 4322 to 4406 - 4 to Israel. 72-1407 4398 72-1476 / 72-1535 mixed 4408 to 4573 - 11 to Israel. - 36 to Greece as 01500 / 01535. 73-1016 / 73-1055 mixed 4525 to 4722 - 40 to Turkey, same s/n. 73-1157 / 73-1204 mixed 4594 to 4780 - 13 to Israel. 73-1519 / 73-1554 mixed 4598 to 4754 - 36 to Iran as 3-796 / 3-831. 74-0643 / 74-0666 mixed 4794 to 4818 74-1014 / 74-1061 mixed 4817 to 4848 - 24 to Israel. 74-1618 / 74-1653 mixed 4827 to 4913 - 2 to Greece as 01618, 01619. 75-0222 / 75-0257 mixed 4914 to 4965 - 36 to Iran. 75-0628 / 75-0637 mixed 4943 to 4964 - 10 to West Germany. 76-0493 / 76-0511 4966 / 4984 - 19 to South Korea. 77-0277 / 77-0308 mixed 4985 to 5030 - 32 to Turkey, same s/n. 77-1743 / 77-1760 mixed 4995 to 5042 - 18 to Greece as 71743 / 71760. 78-0727 / 78-0744 5051 / 5068 1387 Total: 1387 - 18 to South Korea. 272 additional airframes cancelled. F-4E(J) As F-4E, version for Japan. First two as prototypes. last 11 delivered to Mitsubishi in component form. produced 1970 – 1972 McDonnell St. Louis, Missouri (MC) (JASDF) 17-8301, 17-8302 4038.4044 27-8303 / 27-8306 mixed 4049 to 4065 37-8307 / 37-8313 mixed 4070 to 4204 13 Total: 0013

RF-4E

KF-41				
	As F-4E, unarmed tactical reco	nn.		
	version for export.			
	produced 1969 – 1978			
	McDonnell St. Louis, Miss			
		mixed 3861 to 4199		
	- 88 to West Germany as 35+0			
	69-7590 / 69-7595	mixed 4041 to 4088		
	- 6 to Israel as 144 / 149.	mine of 1006 to 1011		
	72-0266 / 72-0269 - 4 to Iran as 2-433 / 2-436.	mixed 4206 to 4211		
	- 4 10 han as 2-4337 2-436. 74-1725 / 74-1736	mixed 4836 to 4912		
	- 12 to Iran.	1111Xeu 4030 10 49 12		
	75-0418 / 75-0423	mixed 4930 to 4946		
	- 6 to Israel.	1111Xeu 4330 10 4340		
	77-0309 / 77-0316	mixed 5024 to 5047		
	- 8 to Turkey, same s/n.			
	77-0357, 77-0358	5049, 5050		
	- 2 to Greece as 70357, 70358.	0040,0000		
	77-1761 / 77-1766	mixed 5029 to 5048	132	Total: 0132
	- 6 to Greece as 71761 / 71766		102	
	29 additional airframes cancelle	ed.		
RF-4	E(J)			
	As RF-4E, version for Japan.			
	produced 1974 – 1975			
	McDonnell St. Louis, Miss	ouri (MC)		
	(JASDF)			
	47-6901 / 47-6905	mixed 4551 to 4590		
	57-6906 / 57-6914	mixed 4596 to 4645	14	Total: 0014
F-4F				
	As F-4E, version for West Gern	nany. Sub-		
	assemblies built by MBB and V	FW-Fokker.		
	produced 1973 – 1976			
	McDonnell St. Louis, Miss	ouri (MC)		
	72-1111 / 72-1285	mixed 4330 to 4793	175	Total: 0175
	All delivered as:			
	(Luftwaffe) 37+01 / 38+75			
F-4H	- Not used to avoid confusion with	th F4H designation.		
F-41 -	- Not used.			
F-4J				
	As YF-4J, production version fo	r US Navy.		
	produced 1966 – 1971			
	McDonnell St. Louis, Miss	ouri (MC)		
	BuNo. 153071 / 153088	mixed 1488 to 1683		
	BuNo. 153768 / 153911	mixed 1692 to 2628		
	BuNo. 154781 / 154788	mixed 2634 to 2670		
	BuNo. 155504 / 155580	mixed 2672 to 2895		
	BuNo. 155504 / 155580 BuNo. 155731 / 155902	mixed 2672 to 2895 mixed 2898 to 3588		
	BuNo. 155504 / 155580	mixed 2672 to 2895		

F-4K	BuNo. 158346 / 158379 13 additional airframes cance		522	Total: 0522
Г-4 К	As F-4J, version for Royal Na upgrade, many other changes designated as YF-4K prototyp 19 diverted to RAF on delivery produced 1966 – 1969 McDonnell St. Louis, Mis All delivered as Phantom F (RN) XT595 / XT598	s. First two bes. y. souri (MC) G.Mk. 1 to: mixed 1449 to 1669		
	(RN) XT857 / XT876 (RN) XV565 / XV592	mixed 2097 to 2856 mixed 2872 to 3424	52	Total: 0052
	7 additional airframes cancelle	ed.		
F-4L -	- 1963, proposed version with a	advanced upgrades.		

F-4M

As F-4K, version for RAF, minor equipment changes. First two designated as **YF-4M** prototypes. produced 1966 – 1969 McDonnell St. Louis, Missouri (MC) All delivered as **Phantom FGR.Mk. 2** to: (RAF) XT852, XT853 1950, 2020 (RAF) XT891 / XT914 mixed 2250 to 2771 (RAF) XV393 / XV442 mixed 2791 to 3226 (RAF) XV460 / XV501 mixed 3231 to 3507 46 additional airframes cancelled.

118 Total: 0118

F-4(HL) - 1966, proposed F-4M version for RN with enhanced performance, cancelled. F-4(FV)S - 1966, proposed swing wing design for F-4J / M production, cancelled. F-4T - Proposed lightweight, fighter only version, cancelled.

Total: 5068

Foreign built – Japan: F-4E(J) As F-4E, version for Japan. produced 1972 - 1981 Mitsubishi Heavy Industries Ltd., Nagoya, Japan (JASDF) 37-8314 / 37-8332 M11-001 / M11-019 - 37-8324 / 37-8332, prefix to 47. 47-8333 / 47-8352 M11-020 / M11-039 57-8353 / 57-8376 M11-040 / M11-063 67-8377 / 67-8391 M11-064 / M11-078 77-8392 / 77-8403 M11-079 / M11-090 87-8404 / 87-8415 M11-091 / M11-102 97-8416 / 97-8427 M11-103 / M11-114 07-8428 / 07-8436 M11-115 / M11-123

17-8437 / 17-8440 M11-124 / M11-127 127 **Total: 0127**

F-4 CONVERSIONS & TRANSFERS

<u>US Navy / US/</u>		
EF-4B	1	F-4B (BuNo. 153070), 1976-1978, conversion for ECM training.
JF-4B	1	F-4B (F-4C 62-12169), temporary conversion for tests.
QF-4B	21	F-4B, 1971-1987, USN target drone conversions.
F-4C WW	36	F-4C, 1966, "Wild Weasel IV" conversions. Unofficially EF-4C.
GF-4C	16	-
NF-4C	6	F-4C, ground instructional conversions.
	7	F-4C, permanent conversions for tests.
GRF-4C		1 YRF-4C / 6 RF-4C, ground instructional conversions.
NRF-4C	6	RF-4C, permanent conversions for tests.
QRF-4C *	6+	RF-4C, 1996-1998, USAF target drone conversions.
EF-4D	4	F-4D (65-0657, 65-0660, 66-7635, 66-7647), "Wild Weasel IV / V" test-beds.
GF-4D	5	F-4D, ground instructional conversions.
NF-4D	3	F-4D, permanent conversions for tests.
YF-4E	3	YRF-4C (62-12200), 1965-1979, prototype for F-4E tests. 1 F-4C (63-7445) / 1 F-4D (65-0713) later converted for YF-4E tests.
GF-4E	4	F-4E, ground instructional conversions.
NF-4E	9	F-4E, permanent conversions for tests.
QF-4E *	61+	F-4E / F-4G, 1994-2016, USAF target drone conversions.
TF-4F	12	F-4F, unofficial designation for US based Luftwaffe trainers.
(NTF-4F)	1	TF-4F, permanent conversion for test duties.
F-4G	12	F-4B, 1964-1970, US Navy Data Link upgrades for use in Vietnam.
	134	F-4E, 1975-1996, USAF "Wild Weasel V" conversions.
		Original designation was to be EF-4E.
(QF-4G) *	96+	F-4G, 1997-2002, USAF target drone conversions.
YF-4J	3	F-4B (BuNo. 151473, 151496, 151497), 1965, factory prototypes for US
		Navy, engine / weapons upgrade, various improvements.
EF-4J	2	F-4J (BuNo. 153076, 153084), conversions for ECM duties. Later redesignated as QF-4J and DF-4J.
NF-4J	1	F-4J (BuNo. 151496), 1988, permanent conversion for tests. Was designated QF-4J 1982-1988.
F-4N	226	F-4B, 1972-1985, life-extension / avionics upgrades for US Navy. Airframe codes: P001 / P226.
(QF-4N)	64+	F-4N, 1992-2004, USN target drone conversions.
F-4S	264	F-4J, 1978-1992, life-extension / avionics upgrades for US Navy. Airframe codes: J001 / J264.
(QF-4S)	30+	F-4S, 1992-2004, USN target drone conversions, many later upgraded with new avionics as QF-4S+.
F / RF-4X	1	F-4E, 1974, mock-up reconn. prototype with various upgrades, cancelled before completion. Conversion by General Dynamics Corp., Missouri.
Foreign Conv		
F-4F ICE	110	F-4F, 1990-2013, "Improved Combat Efficiency" upgrades for West Germany.
F-4E(S)	3	F-4E, 1976-2004, avionics upgrades for Israel.
	00	Conversions by General Dynamics Corp., Missouri.
F-4EJ Kai	89 25	F-4E(J), 1984-2020, avionics / weapons upgrades for Japan.
RF-4EJ Kai	25	15 F-4E(J) / 10 RF-4E(J), 1984-2020, reconn. upgrades for Japan, the
		F-4E(J) batch were assigned new JASDF s/n.

C.12	36	F-4C, 1971-2002, designation for Spain.
0.12	00	

- RC.12 4 RF-4C, 1978-2002, designation for Spain.
- F-4J(UK) 15 F-4J, 1984-1992, British avionics upgrades for the RAF. Assigned RAF s/n: ZE350 / ZE364.

FOREIGN MILITARY SERVICE

- F-4 Phantom II aircraft in foreign military service with Australia, Egypt, West Germany, Greece, Iran, Israel, Japan, South Korea, Spain, Turkey and the United Kingdom.
- Limited civilian use, mostly by NASA, for test duties.

* A total of 318 QF-4 by BAE Systems, California for USAF from 1992-2013.