MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
1				ARMY FIGHTER - TWIN PROPELLERS, SINGLE ENGINE EXTENSION SHAFTS, PUSHER TYPE		1000-1
2				TWIN ENGINE (ROLLS ROYCE) SINGLE PLACE ATTACK		1000-2
2A				INTERCEPTOR - PURSUIT TWIN CONTINENTAL ENGINES (NOW XP-67)		1016 (1/4 SCALE) 1033 (FULL SCALE)
2B				INTERCEPTOR - PURSUIT - CONVOY PURSUIT - TWO PLACE		
2C				INTERCEPTOR - PURSUIT - DIVE BOMBER AIRPLANE - TWO PLACE		
2D				INTERCEPTOR - PURSUIT - SINGLE PLACE		
2E				FIVE PURPOSE ATTACK BOMBER PURSUIT AIRPLANE - TWO PLACE		
3				TWIN ENGINE INTERCEPTOR PURSUIT		
3A				TWIN ENGINE INTERCEPTOR PURSUIT AIRPLANE - TURBO-SUPERCHARGED TO 25,000 FT.		
3B				TWIN ENGINE INTERCEPTOR PURSUIT AIRPLANE - TURBO-SUPERCHARGED TO 33,000 FT.		
4				SINGLE ENGINE INTERCEPTOR PURSUIT - TURBO-SUPERCHARGED		
4A				SINGLE ENGINE INTERCEPTOR PURSUIT AIRPLANE		
5				SINGLE ENGINE INTERCEPTOR PURSUIT		
6				SHIPBOARD, SINGLE SEAT, FIGHTER, ALLISON PUSHER		
7				SHIPBOARD, SINGLE SEAT, FIGHTER, PRATT & WHITNEY - 2800 TRACTOR		
8				SHIPBOARD, SINGLE SEAT, FIGHTER, PRATT & WHITNEY - 2800 PUSHER		
9				TWIN ENGINE, CARGO TRANSPORT		1015
9B				TWIN ENGINE, CARGO TRANSPORT		1015
9D				TWIN ENGINE, CARGO TRANSPORT		
10				SHIPBOARD, LANDPLANE, CLASS VF, FIGHTER - SINGLE ENGINE, SINGLE SEAT, MONOPLANE		2017
10A				SHIPBOARD, LANDPLANE, CLASS VF, FIGHTER - SINGLE ENGINE, SINGLE SEAT, MONOPLANE		2017
10B				SHIPBOARD, LANDPLANE, CLASS VF, FIGHTER - SINGLE ENGINE, SINGLE SEAT, MONOPLANE		2017
10B3				SHIPBOARD, CLASS VF, SINGLE ENGINE, SINGLE SEAT FIGHTER		2017
10C				SHIPBOARD, LANDPLANE, CLASS VF, SINGLE ENGINE, SINGLE SEAT FIGHTER		2017
11A-				CLASS VF - SHIPBOARD, LANDPLANE, PATROL FIGHTER - (TWIN ENGINE-SINGLE SEAT - MONOPLANE) (NOW XFD-1)		2032, 2093 2102

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
11B				CLASS VF - SHIPBOARD, LANDPLANE, PATROL FIGHTER - (TWIN ENGINE - SINGLE SEAT - MONOPLANE)		2032
11C				CLASS VF - SHIPBOARD, LANDPLANE, PATROL FIGHTER - (TWIN ENGINE - SINGLE SEAT - MONOPLANE)		2032
11D				HIGH PRODUCTION DESIGN XFD-1		2063
11E				TWO PLACE, JET FIGHTER TRAINER, TANDEM IN CENTER SECTION FUSELAGE		2032
11F				TWO PLACE, JET FIGHTER TRAINER, TANDEM IN NOSE SECTION FUSELAGE		2032
11G				TWO PLACE, TANDEM, TWIN ENGINE, JET FIGHTER TRAINER (SUBMITTED TO ARMY AND NAVY)		4054
11H				TWO PLACE, TANDEM JET FIGHTER TRAINER		4054
12A				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12B				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12FRJ				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12FAAJ				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12FR				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12FA				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12AJ				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12AP				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE (PHOTOGRAPHIC)		
12F-SJ				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12ASJ				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12C 1600				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12C 2000				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12AS				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12ESJ				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12ESJ-S				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12ASJ-S				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12AA				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12AAJ				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12BJ				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12FS				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12B-173				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12BJ-173				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12FA-173				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
12FAS-173				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12FAJ-(19)-173				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12F32				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12F32-J9				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12F32-J19				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12F32-120				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12F32-PROTO-TYPE				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12F32J-8-S				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12F32-I-20-S				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12F32-S				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12F32-W2B-37				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12F-TG-100				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12F32-J-19-SA				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12C-2000-S				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12C				LONG RANGE, INTERCEPTOR, PURSUIT TWIN ENGINE AIRPLANE		
12D & B				LONG RANGE, INTERCEPTOR, PURSUIT TWIN ENGINE AIRPLANE		
12E				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
12F32-120-S-B				LONG RANGE, PURSUIT, TWIN ENGINE (MODEL F32-120-S) CONVERSION "B"		

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO ASSIGNED	JOB ORDER
12F32-A				LONG RANGE, PURSUIT, TWIN ENGINE (MODEL F32) CONVERSION "A"		
12F32-120-S-C				LONG RANGE, PURSUIT, TWIN ENGINE (MODEL F32-120-S) CONVERSION "C"		
13				LONG RANGE, PURSUIT, TWIN ENGINE AIRPLANE		
15A				SINGLE PLACE, SCOUT OBSERVATION		
15B				SINGLE PLACE, SCOUT OBSERVATION		
15B & C				SINGLE PLACE, SCOUT OBSERVATION		
15D				SINGLE PLACE, SCOUT OBSERVATION		
16				PROPOSED P-67D		2036
16A				PROPOSED P-67E		2036
17A				NAVY FIGHTER (TG-100 WITH EXTENSION SHAFT AND FUEL INJECTION)		
17B				NAVY FIGHTER - (TG-100 WITH FUEL INJECTION)		
18A				ARMY FIGHTER - TANDEM ENGINE (ONE TG-100-I-20)		
18B				ARMY FIGHTER - TANDEM ENGINE (ONE 14SM PLUS I-20)		
18C				ARMY FIGHTER - TANDEM ENGINE (ONE TG-100 PLUS I-40)		
18D				ARMY FIGHTER - TANDEM ENGINE (ONE TG-100 PLUS I-20 T.E.)		
18E				ARMY FIGHTER - TANDEM FIGHTER ARRANGEMENT (ONE 14SM-I-20)		
18F				ARMY FIGHTER - ALLISON F32R PLUS WESTINGHOUSE 23C ENGINE		
18G				ARMY FIGHTER - ALLISON F32F PLUS GENERAL ELECTRIC I-40 ENGINE		
18H				ARMY FIGHTER - PRATT & WHITNEY R2800-C PLUS GENERAL ELECTRIC I-40 ENGINE (18H DRAWINGS HAVE BEEN CONVERTED TO 18 JO)		
18J				NAVY FIGHTER - PRATT & WHITNEY R2800-C ENGINE PLUS GENERAL ELECTRIC I-40 ENGINE		
18K				TANDEM ENGINE FIGHTER		4017
19				ARMY FIGHTER - ALLISON COMPOUND PLUS WESTINGHOUSE 18XB ENGINE, GENERAL ELECTRIC		
20				ARMY FIGHTER - TWO/TG-100 ENGINES PLUS ONE I-40 ENGINE		
21				ARMY FIGHTER - TWO GENERAL ELECTRIC TG-100 ENGINES WITH FUEL INJECTION		
22				NAVY FIGHTER - ONE PRATT & WHITNEY R2800-C ENGINE PLUS ONE WESTINGHOUSE 23C ENGINE		
23				NAVY FIGHTER - TWO WESTINGHOUSE 23C ENGINES (NOW FH-1)		4016, 2063
NONE				FD-1N NIGHT FIGHTER VERSION		2093 2093

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
23A				NAVY FIGHTER - TWO WESTINGHOUSE 23C ENGINES - 470 GALLONS FUSELAGE PART OF INNER WING & LANDING GEAR OF FH-1		
23B				NAVY FIGHTER - TWO WESTINGHOUSE 23C ENGINES		
23C				NAVY FIGHTER - TWO WESTINGHOUSE 23C ENGINES - 675 GALLONS 5-.50 CAL. GUNS		
24				TWIN ENGINE FIGHTER - TWO WESTINGHOUSE 24C ENGINES		4009
24A				TWIN ENGINE FIGHTER - TWO WESTINGHOUSE 24C ENGINES		4009
24B				TWIN ENGINE FIGHTER - TWO WESTINGHOUSE 24C ENGINES (NOW XF2H-1)		4009, 4015
24C				TWIN ENGINE FIGHTER - TWO WESTINGHOUSE 24C ENGINES		2089
24D				TWIN ENGINE FIGHTER - TWO WESTINGHOUSE 24C ENGINES		4009
24E				TWIN ENGINE FIGHTER - TWO WESTINGHOUSE 24C ENGINES		4009
24F				TWIN ENGINE FIGHTER - TWO WESTINGHOUSE 24C ENGINES CONVERTED TO 24B		4009
24G				TWIN ENGINE FIGHTER - TWO WESTINGHOUSE 24C ENGINES CONVERTED TO 24B		2089
24H				LONG RANGE ESCORT FIGHTER - XF2H-1 CONVERSION		2089
24J				XF2H-1 SWEPTBACK WING AND AFTERBURNER		2089
24K				BANSHEE XF2H-2 - SWEPTBACK WING, INTERCEPTOR FIGHTER WITH AFTER-BURNER		2089
24L				BANSHEE XF2H-3 - SWEPTBACK WING, INTERCEPTOR FIGHTER WITH AFTER-BURNER		2089
24M				BANSHEE XF2H-4 - SWEPTBACK WING, INTERCEPTOR FIGHTER WITHOUT AFTERBURNER		2089
24N				BANSHEE TWO PLACE NIGHT FIGHTER - NO AFTERBURNER, WITH TIP TANKS		2107
24P				BANSHEE TWO PLACE TRAINER		2107
(NONE)				BANSHEE XF2H-5 - SWEPTBACK WING, INTERCEPTOR FIGHTER, LONGER FUSELAGE WITH AFTERBURNER		2089, 2112
(NONE)				PRODUCTION BANSHEE - F2H-1		2107
(NONE)				PRODUCTION BANSHEE - F2H-2		2123, 03
(NONE)				PRODUCTION BANSHEE - F2H-2N NIGHT FIGHTER		2123
(NONE)				PRODUCTION BANSHEE - F2H-2P		2141, 03, 05
24Q				BANSHEE TWO PLACE INTERCEPTOR - F2H-2N WITH 24C-7 ENGINES AND SHORT AFTERBURNER WITHOUT TIP TANKS		2107
24R				BANSHEE SINGLE PLACE INTERCEPTOR WITH 24C-7 ENGINES WITH SHORT AFTERBURNERS AND NO TIP TANKS		2107
24S				BANSHEE INTERCEPTOR - F2H-2 WITH SHORT AFTERBURNERS, SINGLE PLACE		2107

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
24T				F2H-2 WITH 24C-7 ENGINES - F2H-2N NOSE & 13.5" FUSELAGE EXTENSION		2123
24U				F2H-2 WITH 24C-7 ENGINES - F2H-2N NOSE & 13.5" FUSELAGE EXTENSION & WING FOLDING WITH FULL TIP TANKS		2123
24V				F2H-2 WITH 24C-7 ENGINES - FUSELAGE LENGTHENED 45", ALL FUEL INTERNAL, TIP TANKS ELIMINATED		2123
24W				F2H-2 WITH 24C-7 ENGINES (JP-3 FUEL)		2123
24Y				F2H-2 WITH AN/APG-36 RADAR		2123
24Z				F2H-2 WITH 74" FUSELAGE EXTENSION - F2H-2N NOSE, 9% TAIL, TOTAL FUEL INTERNAL		2123
24AA				F2H-2 WITH 79" FUSELAGE EXTENSION, F2H-1 OUTER PANELS, TOTAL FUEL INTERNAL, KNEELING PROVISIONS ELIMINATED		2123
24AB				F2H-2 WITH 74" FUSELAGE EXTENSION, F2H-2N NOSE, 9% TAIL, PLUS AFTERBURNERS		2123
24AC				F2H-2 WITH 74" FUSELAGE EXTENSION, F2H-2N NOSE, 9% TAIL, WITH AN/APG-36 RADAR		2123
24AD				F2H-2 WITH 74" FUSELAGE EXTENSION, F2H-2N NOSE, STANDARD TAIL, TOTAL FUEL INTERNAL PLUS AFTERBURNER		2123
24AE				F2H-2N WITH AN/APG-36, 131 GAL. TIP TANK, WING FOLD WITH FULL TIP TANKS, EXTENDED TRAILING EDGE		2123
24AF				F2H-2N WITH AN/APG-36, 104 GAL. TIP TANK, WING FOLD WITH FULL TIP TANKS, EXTENDED TRAILING EDGE & AFTERBURNERS		2123
24AG				F2H-2N WITH AN/APG-36, 74" FUSELAGE EXTENSION, 9% WING & LOAD FACTOR OF 7.5		2123
24AH				F2H-2N WITH AN/APG-36, 74" FUSELAGE EXTENSION, 9% WING & LOAD FACTOR OF 7.5 AND AFTERBURNERS		2123
24AJ				F2H-2N WITH AN/APG-36, 74" FUSELAGE EXTENSION & EXTENDED TRAILING EDGE		2123
24AK				F2H-2N WITH AN/APG-37, J34-WE-34 ENGINE & SHORT AFTERBURNERS 74" FUSELAGE EXTENSION, 9% WING WITH 3:1 TAPER RATIO, & 100 LBS. MORE ARMOR PLATE		2123
24AL				F2H-2N WITH AN/APG-37, 74" FUSELAGE EXTENSION, 9% WING WITH 3:1 TAPER RATIO, AND 100 LBS. MORE ARMOR PLATE		2123
24AM				F2H-2N WITH AN/APG-37, 74" FUSELAGE EXTENSION, 9% WING WITH 3:1 TAPER RATIO, AND 100 LBS. MORE ARMOR PLATE, PLUS SHORT AFTER-BURNERS		05
24AN -				F2H-2N WITH EXTENDED FUSELAGE - PROTOTYPE INSTALLATION (BUNO. 123311)		2123

MCDONNELL MODEL NUMBERS

1 JULY 1974

ODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
AP				F2H-2N WITH AN/APG-37 RADAR, 9% TAIL, W_3 WING, AILERON POWER CONTROL, MARK 12 GUNS, 800 ROUNDS AMMUNITION		05
AQ				F2H-2N WITH AN/APG-37 RADAR, 9% TAIL, W_3 WING, AILERON POWER CONTROL, WING FOLD - FULL TIP TANKS, 128 GAL.		05
AR				F2H-2N WITH AN/APG-37 RADAR, 9% TAIL, W_3 WING, AILERON POWER CONTROL, FUSELAGE EXTENDED 49", TOTAL INTERNAL FUEL, J34-WE-34 ENGINES (NOW F2H-3)		05
AS				BANSHEE TYPE FIGHTER WITH STRAIGHT WING		8881-026 (F.O.)
AT				BANSHEE TYPE FIGHTER WITH SWEPTBACK WING		8881-026 (F.O.)
AU				BANSHEE TYPE FIGHTER WITH ENGINES IN FUS. & 35° SWEPTBACK WING (NO AFTERBURNER)		8881-026 (F.O.)
AV				BANSHEE TYPE FIGHTER WITH ENGINES IN FUS. & 35° SWEPTBACK WING (WITH AFTERBURNERS)		8881-026 (F.O.)
AW				BANSHEE TYPE FIGHTER WITH SWEPTBACK WING, PLUS MCDONNELL AFTER-BURNER		8881-026 (F.O.)
AX				BANSHEE TYPE FIGHTER WITH SWEPTBACK WING, ENGINE IN NACELLE, PLUS MCDONNELL AFTERBURNER-FUSELAGE DEPTH & WIDTH INCREASED OVER 24AW, 1659 GAL. FUEL		8881-026 (F.O.)
AY				BANSHEE TYPE FIGHTER - FUSELAGE DEPTH INCREASED OVER 24AW AND 1448 GALS. FUEL		8881-026 (F.O.)
AZ				ATTACK VERSION OF F2H-3		05
				"THE GARGOYLE" (NOW RTV-N-2) (LBD-1)		2077
A				SONIC AIRPLANE - TWO WESTINGHOUSE 24C ENGINES		
				SONIC AIRPLANE - ONE WESTINGHOUSE 24C ENGINE		
				ARMY PARASITE FIGHTER - ONE WESTINGHOUSE 19XB ENGINE		4010
PECIAL)				ARMY PARASITE FIGHTER		4010
A						
B				ARMY PARASITE FIGHTER - ONE WESTINGHOUSE 24C ENGINE		4010
				ARMY PARASITE FIGHTER - ONE WESTINGHOUSE 19XB ENGINE, 15 FT. FUSELAGE		4010
C						
D				ARMY PARASITE FIGHTER - ONE WESTINGHOUSE 19XB ENGINE, SINGLE TAIL		4010
				ARMY PARASITE FIGHTER - ONE WESTINGHOUSE 19XB ENGINE, 15 FT. TAIL PIPE		4010
E				ARMY PARASITE FIGHTER - ONE WESTINGHOUSE 24C ENGINE (NOW XF-85)		4025, 2095

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
24AP				F2H-2N WITH AN/APG-37 RADAR, 9% TAIL, W_3 WING, AILERON POWER CONTROL, MARK 12 GUNS, 800 ROUNDS AMMUNITION		05
24AQ				F2H-2N WITH AN/APG-37 RADAR, 9% TAIL, W_3 WING, AILERON POWER CONTROL, WING FOLD - FULL TIP TANKS, 128 GAL.		05
24AR				F2H-2N WITH AN/APG-37 RADAR, 9% TAIL, W_3 WING, AILERON POWER CONTROL, FUSELAGE EXTENDED 49", TOTAL INTERNAL FUEL, J34-WE-34 ENGINES (NOW F2H-3)		05
24AS				BANSHEE TYPE FIGHTER WITH STRAIGHT WING		8881-026 (F.O.)
24AT				BANSHEE TYPE FIGHTER WITH SWEPTBACK WING		8881-026 (F.O.)
24AU				BANSHEE TYPE FIGHTER WITH ENGINES IN FUS. & 35° SWEPTBACK WING (NO AFTERBURNER)		8881-026 (F.O.)
24AV				BANSHEE TYPE FIGHTER WITH ENGINES IN FUS. & 35° SWEPTBACK WING (WITH AFTERBURNERS)		8881-026 (F.O.)
24AW				BANSHEE TYPE FIGHTER WITH SWEPTBACK WING, PLUS MCDONNELL AFTERBURNER		8881-026 (F.O.)
24AX				BANSHEE TYPE FIGHTER WITH SWEPTBACK WING, ENGINE IN NACELLE, PLUS MCDONNELL AFTERBURNER-FUSELAGE DEPTH & WIDTH INCREASED OVER 24AW, 1659 GAL. FUEL		8881-026 (F.O.)
24AY				BANSHEE TYPE FIGHTER - FUSELAGE DEPTH INCREASED OVER 24AW AND 1448 GALS. FUEL		8881-026 (F.O.)
24AZ				ATTACK VERSION OF F2H-3		05
25				"THE GARGOYLE" (NOW RTV-N-2) (LBD-1)		2077
26				SONIC AIRPLANE - TWO WESTINGHOUSE 24C ENGINES		
26A				SONIC AIRPLANE - ONE WESTINGHOUSE 24C ENGINE		
27				ARMY PARASITE FIGHTER - ONE WESTINGHOUSE 19XB ENGINE		4010
27 (SPECIAL)				ARMY PARASITE FIGHTER		4010
27A				ARMY PARASITE FIGHTER - ONE WESTINGHOUSE 24C ENGINE		4010
27B				ARMY PARASITE FIGHTER - ONE WESTINGHOUSE 19XB ENGINE, 15 FT. FUSELAGE		4010
27C				ARMY PARASITE FIGHTER - ONE WESTINGHOUSE 19XB ENGINE, SINGLE TAIL		4010
27D				ARMY PARASITE FIGHTER - ONE WESTINGHOUSE 19XB ENGINE, 15 FT. TAIL PIPE		4010
27E				ARMY PARASITE FIGHTER - ONE WESTINGHOUSE 24C ENGINE (NOW XF-85)		4025, 2095

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
27F				AIRBORNE INTERCEPTOR - DELTA WING		2133
28				NAVY FIGHTER - TG-100 SINGLE ENGINE		4009
28A				NAVY FIGHTER - TG-100 SINGLE ENGINE		4009
29				"TIAMAT" (ARMY)		4012
30				GUIDED MISSILE (ARMY)		4013
31				TARGET DRONE (NOW KDH-1) (KDD-1)		4014, 2094
31A				IMPROVED KDH-1		4021
32				TWIN ENGINE - MULTIPURPOSE AIRPLANE		4017
33				TARGET AIRCRAFT - ONE NAVY R-1830-94 ENGINE & ONE MCDONNELL RESO-JET ENGINE		4018
33A				TARGET AIRCRAFT - ONE NAVY R-1830-94 ENGINE		4018
33B				TARGET AIRCRAFT - ONE NAVY MODEL R-1830-94 ENGINE AND ONE WESTINGHOUSE 8.5A TURBO-JET MOTOR		4018
33C				TARGET AIRCRAFT - ONE NAVY MODEL R-1830-94 AND ONE MCDONNELL RESO-JET ENGINE		4018
33E				TARGET AIRCRAFT - TWO WESTINGHOUSE MODEL 19XB TURBO-JET ENGINES		4018
34				FIGHTER PROPOSAL FOR CHINESE AIR FORCE		4020
35				TARGET AIRPLANE PROPOSAL		4018
36A				ARMY FIGHTER PROPOSAL LR TWIN ENGINE FIGHTER (TIP ENGINE)		4010
36B				ARMY FIGHTER PROPOSAL LR TWIN ENGINE FIGHTER (XF2H-1 TYPE)		4010
36C				ARMY FIGHTER PROPOSAL LR TWIN ENGINE FIGHTER (FUSELAGE ENGINE) (NOW XF-88)		4010, 4044
36D				XF-88 WITH AFTERBURNER (NOW XF-88A)		2099, 2135
36E				XF-88 WITH TWO ALLISON J33A-23 ENGINES		2099, 15
36F				PRODUCTION F-88 WITH AFTERBURNER		2099
36G				ALL-WEATHER FIGHTER VERSION OF F-88		4065, 2099
36H				PHOTOGRAPHIC - RECONNAISSANCE - F-88 VERSION		2120
36J				PROPELLER VERSION OF XF-88 AIRPLANE (NOW XF-88B)		4081, 2120
36K				INTERCEPTOR VERSION - F-88 AIRPLANE		2138, 06
36L				F-88 VERSION - FIGHTER - BOMBER		2120
36M				NOW 24AV		2135
36N				F-88 MODEL 36F WITH TWO J71 ENGINES		8881-026 (F.O.)
36P				F-88 MODEL 36F WITH 6000# ROCKET IN TAIL		01-22
36Q				F-88 MODEL 36F WITH TWO J71 ENGINES AND 10% LARGER FUSELAGE		01-22
36R				F-88 HIGH PERFORMANCE ESCORT FIGHTER, TWO J71 ALLISON ENGINES - 35° SWEPTBACK WING		01-22

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36S				F-88 HIGH PERFORMANCE ESCORT FIGHTER, TWO G.E. J73 ENGINES		01-22
36T				INTERCEPTOR VERSION OF MODEL 36R (1139 GAL. FUEL)		01-22
36U				HIGH PERFORMANCE ESCORT FIGHTER, SAME AS MODEL 36R EXCEPT 7% - 6% WING THICKNESS (PROPOSED F-88-F)		01-22
36V				SAME AS MODEL 36U EXCEPT TWO J67 ENGINES (PROPOSED F-88-J)		01-22
36W				SAME AS MODEL 36U EXCEPT TWO J57 ENGINES (PROPOSED F-88-K) (NOW F-101A/C)		01-22, 19, 35, 45
36WT				TWO-PLACE COMBAT TRAINER VERSION OF F-101A		19-10-050
36X				PHOTO RECONNAISSANCE VERSION OF F-101A (NOW RF-101A/C)		30, 35, 45
36Y				SINGLE PLACE INTERCEPTOR VERSION OF F-101A WITH FALCON MISSILE & 2.75" ROCKETS		19
36Z				TWO PLACE INTERCEPTOR VERSION OF F-101A WITH FALCON MISSILE AND 2.75" ROCKETS OR 1.5" ROCKETS		19
36AA				F-101A WITH TWO J67-W-1 ENGINES (BRIEF STUDY)		19-80-500
36AB				F-101A WITH TWO J57-P(JT3N) ENGINES		19-80-500
36AC				F-101A MODEL IMPROVEMENT WITH TWO J67-W-1 ENGINES (VOODOO 67)		19-80-500
36AD				INTERCEPTOR VERSION OF MODEL 36 AC - TWO PLACE		19-10-050
36AE-1				F-101A SAC FIGHTER WITH TWO YJ67-W-1 ENGINES - 1500 MILE COMBAT RADIUS - 600 SQ. FT. WING AREA		19-80-051
36AE-2				F-101A SAC FIGHTER WITH TWO YJ67-W-1 ENGINES - 1500 MILE COMBAT RADIUS - 800 SQ. FT. WING AREA		19-80-051
36AE-3				F-101A SAC FIGHTER WITH TWO XJ79 ENGINES - 1500 MILE COMBAT RADIUS - 600 SQ. FT. WING AREA		19-80-051
36AE-4				F-101A SAC FIGHTER WITH TWO XJ67-W-1 ENGINES - 990 MILE COMBAT RADIUS - 600 SQ. FT. WING AREA		19-80-051
36AF				F-101A SINGLE PLACE INTERCEPTOR WITH 2.00 DIA. ROCKETS		19-80-051

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	AG	USAF	AIRPLANE - INTERCEPTOR	LONG RANGE INTERCEPTOR VERSION OF F-101A SINGLE-PLACE FORWARD FUSELAGE REDESIGNED TO CARRY INTERNALLY: 1) 210 - 2 IN. ROCKETS OR 2) 6 FALCON MISSILES AND 113 - 2 IN. ROCKETS OR 3) 3 MCDONNELL MODEL 103A MISSILES AND 53 - 22 IN. ROCKETS RCA MODIFIED MG-3 FIRE CONTROL SYTEM TWO TURBO-JET J67-W-1	3-31-54	35-10-051
36	AH	USAF	AIRPLANE - INTERCEPTOR	INTERCEPTOR VERSION OF F-101A SINGLE-PLACE, FORWARD FUSELAGE REDESIGNED FOR FERRET NOSE (ECM EQUIPMENT) AND 135 - 2 IN. ROCKETS CARRIED INTERNALLY TWO TURBO-JET J57-P-13	4-28-54	19-80-050
36	AJ	USAF	AIRPLANE - INTERCEPTOR	INTERCEPTOR VERSION OF F-101A SINGLE-PLACE, FORWARD FUSELAGE REDESIGNED FOR CARRYING 8 SIDEWINDER MISSILES INTERNALLY RCA MODIFIED MG-3 FIRE CONTROL SYSTEM TWO TURBO-JET J57-P-13	4-28-54	19-80-050
36	AK	USAF	AIRPLANE - SAC FIGHTER	SAC FIGHTER VERSION OF F-101A SINGLE-PLACE. CENTER FUSELAGE REDESIGNED TO ACCOMODATE TWO J75 ENGINES. 20 INCH CONSTANT SECTION ADDED. ENGINE AIR INLET AND NACELLE CHANGED. TWO FUEL CELLS ADDED TWO TURBO-JET J75-P-1 (MCDONNELL REPORT 3571)	5-6-54	19-80-050
36	AL	USAF	AIRPLANE - FIGHTER - BOMBER	FIGHTER-BOMBER VERSION OF F-101A FOR BLIND BOMBING TWO-PLACE. FORWARD FUSELAGE REDESIGNED FOR: 1) K-5 BOMBING SYSTEM, NO GUNS, ECM, OR CHAFF, OR 2) K-5 BOMBING SYSTEM, NO GUNS, WITH ECM EQUIPMENT, WITH CHAFF DISPENSER, OR 3) K-5 BOMBING SYSTEM, 2-20MM - M-39 GUNS 375 ROUNDS EACH, AN/APG-34 RANGING RADAR, NO ECM OR CHAFF, OR 4) K-5 BOMBING SYSTEM, 2-20MM - M-39 GUNS 375 ROUNDS EACH, AN/APG-34 RANGING RADAR, ECM EQUIPMENT AND CHAFF DISPENSER IN MODEL 96 TWO TURBO-JET J57-P-13 OR J67-W-1 (MCDONNELL REPORT 3610)	7-8-54	19-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO ASSIGNED	JOB ORDER
36	AM	USAF	AIRPLANE - INTERCEPTOR	INTERCEPTOR VERSION OF F-101A SINGLE-PLACE. FORWARD FUSELAGE REDESIGNED FOR CARRYING 135 - 2 IN. ROCKETS INTERNALLY. MG-10 (MG-3 MOD.) FIRE CONTROL SYSTEM TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 3616)	7-8-54	19-10-050
36	AN	USAF	AIRPLANE - INTERCEPTOR	INTERCEPTOR VERSION OF F-101A SINGLE-PLACE. FORWARD FUSELAGE REDESIGNED FOR CARRYING 6 FALCON D MISSILES AND 88 - 2 IN. ROCKETS INTERNALLY. MG-10 (MG-3 MOD.) FIRE CONTROL SYSTEM TWO TURBO-JET J57-P-13 (MCDONNELL REPORTS 3616, 3739, AND 3909)	7-8-54	19-10-050
36	AP	USAF	AIRPLANE - INTERCEPTOR	SAME AS MODEL 36AN EXCEPT WITH FALCON # MISSILES AND MX-1179 FIRE CONTROL SYSTEM TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 3616)	7-8-54	19-10-050
36	AQ	USAF	AIRPLANE - INTERCEPTOR	INTERCEPTOR VERSION OF F-101A TWO-PLACE. WINGS MOVED OUTBOARD 4.5 IN. WING AREA 378 SQ. FT. FORWARD FUSELAGE REDESIGNED TO CARRY INTERNALLY: 1) 6 GAR-1A (FALCON D) MISSILES AND 48 - 2.7 IN. ROCKETS, OR 2) 2 MCDONNELL 103E MISSILES AND 48 - 2.75 IN. ROCKETS. RCA MODIFIED MG-3 FIRE CONTROL SYSTEM TWO TURBO-JET J67-W-1 (MCDONNELL REPORTS 3821 AND 3822)	10-28-54	19-80-062
36	AR	USAF	AIRPLANE - FIGHTER	TACTICAL RECONNAISSANCE FIGHTER VERSION OF RF-101A SINGLE-PLACE FORWARD FUSELAGE REDESIGNED FOR CARRYING 2 - 20MM M-39 GUNS 250 ROUNDS EACH (ALTERNATE ARMAMENT 52 - 2 IN. ROCKETS) AN/APG-30 RANGING RADAR. FORWARD OBLIQUE AND SPLIT VERTICAL CAMERAS REMOVED FOR ARMAMENT INSTALLATION TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 3813)	11-4-54	19-80-071
36	AS	USAF	AIRPLANE - FIGHTER - BOMBER	FIGHTER-BOMBER VERSION OF F-101A. WING AND FUSELAGE MODIFIED TO PROVIDE FOR CARRYING EXTERNALLY VARIOUS STORES AT 3 FUSELAGE STATIONS AND 4 WING STATIONS TWO TURBO-JET J57-P-13 IMCDONNELL REPORT 3813)	11-4-54	19-80-071

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	AT	USAF	AIRPLANE - INTERCEPTOR	INTERCEPTOR VERSION OF F-101A TWO-PLACE. FORWARD FUSELAGE REDESIGNED FOR CARRYING INTERNALLY: MG-13 FCS PRIMARY ARMAMENT TWO MB-1 ROCKETS TWO GAR-1 OR 2 MISSILES ALTERNATE ARMAMENT SIX GAR-1 OR 2 MISSILES INTERNAL FUEL CAPACITY DECREASED 264 GALLONS (NOW F-101B) TWO TURBO-JET J57-P-55 (INTERIM ENGINE: J57-P-53) EXTERNAL ROCKET BOOST POD (MCDONNELL REPORTS 3851, 4005, 4415, 4435, 4603 AND 5169)	11-22-54	19-80-062 19-92-022 41 83 90
36	AU	USAF	AIRPLANE - FIGHTER	FIGHTER VERSION OF F-101A WITH NACELLE CHANGES FOR INSTALLATION OF J71 ENGINES TWO TURBO-JET J71-A-2 (MCDONNELL REPORT 3868)	12-15-54	19-10-500 6010-001
36	AV	USAF	AIRPLANE - FIGHTER	FIGHTER VERSION OF F-101A WITH EXTERNAL MISSILES. TWO GUNS AND AMMUNITION COMPLEMENT REMOVED. FUSELAGE MODIFIED TO PROVIDE FOR CARRYING EXTERNALLY 6 GAR-1B MISSILES (FALCON) AT 3 STATIONS MA-7 FIRE CONTROL SYSTEM PLUS MISSILE AUXILIARIES TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 4032)	3-23-55	19-10-050 6010-001
36	AW	USAF	AIRPLANE - FIGHTER	FIGHTER VERSION OF F-101A WITH EXTERNAL MISSILES. TWO GUNS AND AMMUNITION COMPLEMENT REMOVED. WING AND FUSELAGE MODIFIED TO PROVIDE FOR CARRYING EXTERNALLY 5 GAR-1B MISSILES (FALCON) AT 4 WING STATIONS AND 1 FUSELAGE STATION. TWO 450-GAL. EXTERNAL FUEL TANKS. MA-7 FIRE CONTROL SYSTEM PLUS MISSILE AUXILIARIES TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 4032)	3-23-55	19-10-050 6010-001

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	AX	USAF MCPHFB/ PDS/MM/ R&D17-1 DATED 3/31/55	AIRPLANE - RECON. - BOMBER	RECONNAISSANCE-BOMBER VERSION OF THE RF-101A/C FOR CARRYING SPECIAL STORES. CONTROL EQUIPMENT (MA-2, M-1, T-270 OR T-249 FIXED OPTICAL SIGHT AND SUSPENSION EQUIPMENT ADDED. AIRPLANE CAN ALSO CARRY TWO (2) 450 GALLON EXTERNAL FUEL TANKS TWO TURBO-JET J57-P-13 (MCDONNELL REPORTS 4090 AND 6106)	4-21-55	35-80-062 6010-001
36	AY	USAF	AIRPLANE - INTERCEPTOR	INTERCEPTOR VERSION OF F-101A TWO-PLACE. WINGS MOVED OUTBOARD 4.5 IN. WING AREA 378 SQ. FT. FORWARD FUSELAGE REDESIGNED FOR CARRYING: 1) 6 GAR-1A OR 1C (FALCON) MISSILES AND 80 - 2.00 IN. ROCKETS OR 2) 2 MCDONNELL MODEL 103E MISSILES AND 80 - 2.00 IN. ROCKETS. MX-1179 (MODIFIED - 40 IN. ANTENNA DISH) OR GE S-BAND FIRE CONTROL SYSTEM. CNI ELECTRONICS PACKAGE ROCKET BOOST POD CARRIED EXTERNALLY TWO TURBO-JET J67-W-1 (ALT. PROV. FOR J75-P-JT4A-24) (MCDONNELL REPORT 4115)	4-30-55	41-80-061
36	AZ	USAF	AIRPLANE - INTERCEPTOR	SAME AS MODEL 36AY WITH LATER VERSIONS OF THE J67 AND J75 ENGINES TWO TURBO-JET J67-W-JT32-C4 (ALT. PROV. FOR J57-P-J74B-20) (MCDONNELL REPORT 4140)	5-27-55	41-80-061
36	BA	USAF	AIRPLANE - BOMBER	ALL WEATHER BOMBARDMENT VERSION OF THE F-101B. TWO-PLACE FORWARD FUSELAGE MODIFIED FOR INTERNAL INSTALLATION OF: K-5 NAVIGATION - BOMBING SYSTEM (MODIFIED), E-30 AND M-1 BOMBING SYSTEMS WITH N-3-C SIGHT, SPACE PROVISIONS FOR AN/ALT-6 ECM, INTERNAL ARMAMENT, MG-13, AND AN/ASN-6 REMOVED, AND EXTERNAL WEAPON WITH AN/ALE-1 COUNTERMEASURES TWO TURBO-JET J57-P-13 (MCDONNELL REPORTS 4162 AND 4521)	6-25-55	41-10-050

MCDONNELL MODEL NUMBERS

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	BB	USAF	AIRPLANE - PHOTO - RECON.	ALL WEATHER RECONNAISSANCE VERSION OF THE RF-101A SINGLE-PLACE FORWARD FUSELAGE MODIFIED FOR INTERNAL INSTALLATION OF AN/APQ-56 RADAR IN LIEU OF SPLIT-VERTICAL CAMERAS. EXTERNAL BULGE FOR AN/APQ-56 ANTENNAS. AN/APN-79 NAVIGATION RADAR TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 4163)	6-25-55	41-10-050
36	BC	USAF	AIRPLANE - ELECTRONIC RECON.	ELECTRONIC RECONNAISSANCE (FERRET) VERSION OF RF-101A SINGLE-PLACE. FORWARD FUSELAGE MODIFIED FOR INTERNAL INSTALLATION OF EITHER AN/DLD-1 OR -2 ELECTRONIC RECON. SYSTEM IN LIEU OF CAMERAS AN/APN-79 NAVIGATION RADAR TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 4164)	6-25-55	41-10-050
36	BD	USAF	AIRPLANE - WEATHER RECON.	SYNOPTIC WEATHER RECONNAISSANCE VERSION OF F-101B TWO-PLACE FORWARD FUSELAGE MODIFIED FOR INTERNAL INSTALLATION OF AN/APQ-39 RADAR AND AN/APN-79 NAVIGATION RADAR IN LIEU OF INTERNAL ARMAMENT, MG-13 FCS AND AN/ASN-6. DROPSONDE EQUIPMENT TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 4165)	6-25-55	41-10-050
36	BE	USAF	AIRPLANE - INTERCEPTOR	SAME AS F-101B WITH NACELLE CHANGES FOR J79-GE-3 ENGINES TWO TURBO-JET J79-GE-3 (MCDONNELL REPORT 4179)	7-8-55	19-80-500 41-80-061
36	BF	USAF	AIRPLANE - INTERCEPTOR	SAME AS F-101B WITH NACELLE CHANGES FOR J57-P-35 AND J57-P-49 TWO TURBO-JET J57-P-35 (WITH ALT. PROV. FOR J57-P-49) (MCDONNELL REPORT 4196)	7-15-55	19-80-500

MCDONNELL MODEL NUMBERS 1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	BG	USAF	AIRPLANE - BOMBER	ALL WEATHER BOMBARDMENT VERSION OF F-101B TWO-PLACE. FORWARD FUSELAGE MODIFIED FOR INTERNAL INSTALLATION OF: K-5 NAVIGATION - BOMBING SYSTEM (MODIFIED), E-30 AND M-1 BOMBING SYSTEM WITH N-3-C SIGHT, ONE SPECIAL WEAPON - BLUFF SHAPE. INTERNAL ROCKET AND MISSILES, MG-13, AND AN/ASN-6 REMOVED TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 4319)	8-22-55	41-10-050
36	BH	USAF	AIRPLANE - TRAINER	TACTICAL TRAINER VERSION OF F-101B. AFT COCKPIT MODIFIED FOR INSTALLATION OF FLIGHT CONTROLS AND BASIC FLIGHT INSTRUMENTS. TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 4442)	10-12-55	41-10-051
36	BJ	USAF	AIRPLANE - INTERCEPTOR	ADVANCED LONG RANGE INTERCEPTOR VERSION OF F-101B TWO-PLACE FORWARD FUSELAGE MODIFIED FOR INTERNAL INSTALLATION OF: RCA IMPROVED MG-13 FCS UTILIZING 40-INCH DIAMETER ANTENNA. PRIMARY ARMAMENT, TWO MB-1 ROCKETS, TWO GAR-1A OR 1C MISSILES, ALTERNATE ARMAMENT FIVE GAR-1A OR 1C MISSILES. INTERNAL FUEL CAPACITY DECREASED 142 GALLONS. LENGTH INCREASED 7.0 INCHES (FCS BASED ON COMPARISON STUDY OF: 1) GE S AND X BAND RADAR, 2) RCA IMPROVED MG-13 RADAR, AND 3) RCA IMPROVED MG-13 RADAR IN DROOP SNOOT) TWO TURBO-JET J57-P-45 TITANIUM (J57-P-45 STEEL IN MCDONNELL REPORT 4543 APP. I 109 GALS. EXTERNAL FUEL OFF-LOADED) (MCDONNELL REPORT 4543)	10-27-55	41-10-050
36	BK	USAF	AIRPLANE - ECM FIGHTER	ECM FIGHTER VERSION OF F-101A. COCKPIT AND WIRING PROVISIONS ADDED FOR CONTROL OF MODEL 102H OR 102J STORE TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 4485)	11-5-55	35-10-050 6010-001
36	BL	USAF	AIRPLANE - ECM PHOTO-RECON.	ECM PHOTO-RECONNAISSANCE VERSION OF RF-101A. COCKPIT, WIRING AND CARRYING PROVISIONS ADDED FOR CONTROL OF MODEL 102H OR 102J STORE TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 4485)	11-8-55	35-15-050 6010-001

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	BM	USAF	AIRPLANE - INTERCEPTOR	ADVANCED LONG RANGE INTERCEPTOR VERSION OF F-101B. SAME AS MODEL 36BJ EXCEPT WITH NACELLE CHANGES FOR J79-GE-X207 ENGINES. CENTERLINE FUSELAGE STATION FOR CARRYING 300-GALLON EXTERNAL FUEL TANK ADDED TWO TURBO-JET J79-GE-X207 (MCDONNELL REPORT 4543 APP. II)	2-22-56	41-80-062 6010-001
36	BN	USAF	AIRPLANE - FIGHTER	FIGHTER VERSION OF F-101A WITH EXTERNAL MISSILES. FUSELAGE MODIFIED FOR EXTERNAL CARRIAGE OF FOUR OR SIX SIDEWINDER I MISSILES. RANGE METER, SELECTOR BOX, AND FIRING SWITCH ADDED AS INTERNAL EQUIPMENT TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 4628)	3-1-56	35-10-050 6010-001
36	BP	USAF	AIRPLANE - ECM FIGHTER	ECM FIGHTER VERSION OF F-101A. COCKPIT AND WIRING PROVISIONS ADDED FOR CONTROL OF MODEL 117A ECM POD TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 4649)	3-15-56	35-10-050 6010-001
36	BQ	USAF	AIRPLANE - ECM PHOTO-RECON.	ECM PHOTO-RECONNAISSANCE VERSION OF RF-101A. COCKPIT AND WIRING PROVISIONS ADDED FOR CONTROL OF MODEL 117A ECM POD. EXTERNAL CARRIAGE PROVISIONS AND PYLON ADDED ON FUSELAGE CENTERLINE FOR MODEL 117A ECM POD TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 4649)	3-15-56	35-15-050
36	BR	USAF	AIRPLANE - INTERCEPTOR	F-101B INTERCEPTOR WITH GAR-3 AND GAR-4 FALCON ARMAMENT. ARMAMENT DOOR AND MISSILE EXTENSION MECHANISM REDESIGNED TO PERMIT CARRYING: PRIMARY ARMAMENT TWO MB-1 ROCKETS TWO GAR-3 OR 4 MISSILES ALTERNATE ARMAMENT FIVE GAR-3 OR 4 MISSILES MG-13 AND CADC MODIFIED FOR COMPATIBILITY WITH THE MISSILES TWO TURBO-JET J57-P-57 (MCDONNELL REPORT 4717)	4-25-56	41-10-050
36	BS	NOT USED				

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	BT	USAF	AIRPLANE - INTERCEPTOR	F-101B INTERCEPTOR WITH INTERNAL CARRIAGE OF SHORT GAR-X MISSILES (115.0 INCHES LONG WITH DROPPABLE BOOSTER). ARMAMENT DOOR AND MISSILE EXTENTION MECHANISM REDESIGNED TO PERMIT CARRYING: a) TWO GAR-X MISSILES AND TWO GAR-1 OR -2 MISSILES OR b) THREE GAR-X MISSILES. MG-13 AND CADC MODIFIED FOR COMPATIBILITY WITH THE MISSILES TWO TURBO-JET J57-P-57 (MCDONNELL REPORT 5086)	8-9-56	41-10-050
36	BU	USAF	AIRPLANE - INTERCEPTOR	F-101B INTERCEPTOR WITH EXTERNAL CARRIAGE OF LONG GAR-X MISSILES (145.7 INCHES LONG). ARMAMENT AND FUEL ARRANGEMENTS: 1) TWO GAR-1/2 MISSILES AND ONE 450-GALLON FUEL TANK, 2) TWO GAR-X AND FIVE GAR-1/2 MISSILES AND ONE 600-GALLON FUEL TANK, 3) ONE GAR-X AND FIVE GAR-1/2 MISSILES AND ONE 450-GALLON AND ONE 300-GALLON FUEL TANKS, 4) ONE GAR-X AND SIX GAR-1/2 MISSILES AND ONE 450-GALLON FUEL TANK, 5) ONE GAR-X AND SIX GAR-1/2 MISSILES AND ONE 600-GALLON FUEL TANK, 6) TWO GAR-X AND TWO GAR-1/2 MISSILES AND ONE 300-GALLON FUEL TANK PLUS*, AND 7) THREE GAR-X MISSILES PLUS*. GAR-X MISSILES CARRIED EXTERNALLY ON SPECIAL PYLONS AND EJECTION RACKS. *FOR ARRANGEMENTS 6 AND 7 ABOVE: ARMAMENT DOOR AND ROTATION MECHANISM REPLACED BY FUEL CELL DOOR PROVIDING FOR 425 GALLON FUEL CELL IN MISSILE BAY. MODIFICATIONS TO ELECTRICAL SYSTEM, FUEL SYSTEM, AND STRUCTURE REQUIRED. MG-13 AND CADC MODIFIED FOR COMPATIBILITY WITH THE MISSILE TWO TURBO-JET J57-P-57 (MCDONNELL REPORT 5031)	8-9-56	41-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	BV	USAF	AIRPLANE - INTERCEPTOR	ADVANCED INTERCEPTOR VERSION OF F-101B TWO-PLACE. FORWARD FUSELAGE MODIFIED FOR INTERNAL INSTALLATION OF: RCA MG-13/40 FCS PRIMARY ARMAMENT: TWO MB-1 ROCKETS & TWO GAR-3/4 MISSILES ALTERNATE ARMAMENT: FIVE GAR-3/4 MISSILES ARMAMENT DOOR & MISSILE EXTENSION MECHANISM REDSIGNED. HEAT AND VENT SYSTEM MODIFIED. IFR PROBE REMOVED AND RELOCATED FOR EXTERNAL KIT INSTALLATION. COCKPIT EQUIPMENT CHANGES REQUIRED. INTERNAL FUEL CAPACITY DECREASED 220 GALLONS. CENTERLINE EXTERNAL TANKS ADDED (NOW F-101B/40) TWO TURBO-JET J57-P-55 (MCDONNELL REPORTS 5114, 5186 AND 5213)	12-20-56	41-10-050 01-67 01-70
36	BW	USAF	AIRPLANE - INTERCEPTOR	ADVANCED INTERCEPTOR VERSION OF F-101B TWO-PLACE. AIRPLANE LENGTH INCREASED 9.0. FORWARD FUSELAGE MODIFIED FOR INTERNAL INSTALLATION OF: HAC MA-1/40 FCS WITH INTEGRATED CNI. PRIMARY ARMAMENT: TWO MB-1 ROCKETS AND TWO GAR-3/4 MISSILES ALTERNATE ARMAMENT: FIVE GAR-3/4 MISSILES ARMAMENT DOOR AND MISSILE EXTENSTION MECHANISM REDESIGNED. IFR PROBE REMOVED AND RELOCATED FOR EXTERNAL KIT INSTALLATION. COCKPIT EQUIPMENT CHANGES REQUIRED. INTERNAL FUEL CAPACITY DECREASED 220 GALLONS. EXTERNAL FUEL CARRIED IN TWO 600-GALLON TANKS TWO TURBO-JET J57-P-55 (MCDONNELL REPORTS 5114 AND 5444)	12-20-56	41-10-050

MCDONNELL MODEL NUMBERS 1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	BX	USAF	AIRPLANE - INTERCEPTOR	FUTURE F-101 INTERCEPTOR VERSION OF F-101B TWO-PLACE LENGTH: 67 FT. 5.3 IN. HIGH WING: SPAN: 15 FT. 6.1 IN. AREA: 520 SQ. FT. LOW TAIL: NEGATIVE DIHEDRAL: -18 DEG. AREA: 136 SQ. FT. AREA RULE CONCEPT PRIMARY ARMAMENT: TWO GAR-Z MISSILES AND TWO GAR-3/4 MISSILES HUGHES MOPA FCS WITH 45 INCH ANTENNA INTERNAL FUEL: APPROXIMATELY 4000 GALS. IN FUSELAGE TANKS AND INTEGRAL WING TANKS TWO TURBO-JET J79-GE-X207	1-30-57	41-10-050
36	BY -	TRANSFERRED TO MODEL	36CA AND 36CB			
36	BZ	USAF	AIRPLANE - INTERCEPTOR	ADVANCED INTERCEPTOR VERSION OF F-101B TWO-PLACE. FORWARD FUSELAGE MODIFIED FOR INTERNAL INSTALLATION OF: a) HAC MA-1 DIGITAL COMPUTER & MISSILE AUXILIARIES COMBINED WITH RCA MG-13/40 FCS, b) PRIMARY ARMAMENT: TWO MB-1 ROCKETS AND TWO GAR-3/4 MISSILES, AND c) ALTERNATE ARMAMENT: FIVE GAR-3/4 MISSILES. ARMAMENT DOOR AND MISSILE EXTENSION MECHANISM REDESIGNED. HEAT AND VENT SYSTEM MODIFIED. IFR PROBE REMOVED AND RELOCATED FOR EXTERNAL KIT INSTALLATION. CERTAIN ELECTRONIC EQUIPMENT INTEGRATED WITH FCS. COCKPIT EQUIPMENT CHANGES REQUIRED. INTERNAL FUEL CAPACITY DECREASED 220 GALLONS. CENTERLINE EXTERNAL TANK ADDED TWO TURBO-JET J57-P-55	3-22-57	01-70

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	CA	USAF	AIRPLANE - RECON.	TACTICAL (ADVERSE WEATHER) RECONNAISSANCE VERSION OF RF-101C SINGLE-PLACE. BASIC STRUCTURE SAME AS RF-101C. FORWARD FUSELAGE MODIFIED FOR EQUIPMENT CHANGES AS FOLLOWS: EQUIPMENT REMOVED: OPTICAL VIEWFINDER SPLIT VERTICAL CAMERAS LEFT & RIGHT TRI-CAMERAS AN/APN-22 AN/ASN-6 DRIFT COMPUTER EQUIPMENT ADDED: AN/APQ-55 (LESS RECORDER & PROCESSOR VIEWER) (EXTERNAL ANTENNA POD) INTEGRATED DATA PROCESSING & BRIGHT DISPLAY LIGHTWEIGHT INERTIAL NAVIGATION SYSTEM AN/APN-116 AN/ARC-58 TV VIEWFINDER AN/APN-42 (XA-3) DATA LINK ADAPTER BASIC PROVISONS FOR A DAY PHOTOGRAPHIC VERSION RETAINED. EQUIPMENT ADDITIONS FOR SPECIAL WEAPON CAPABILITY TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 5371) (MCDONNELL EN-148)	3-1-57	45-15-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	CB	USAF	AIRPLANE - RECON.	TACTICAL (ADVERSE WEATHER) RECONNAISSANCE VERSION OF RF-101C TWO-PLACE. BASIC STRUCTURE CONSISTS OF F-101B FORWARD OF F.S. 417 AND RF-101C AFT OF F.S. 417. SECTION FORWARD OF F.S. 206 WILL BE REDESIGNED. FORWARD FUSELAGE MODIFIED FOR EQUIPMENT CHANGES AS FOLLOWS: EQUIPMENT REMOVED: CAMERAS & ACCESSORIES UCCS OPTICAL VIEWFINDER AN/ASN-6 & DRIFT COMPUTER AN/APN-22 AN/APS-54 AN/APX-6 EQUIPMENT ADDED: AN/APQ-55 (LESS RECORDER & PROCESSOR VIEWER) (EXTERNAL ANTENNA POD) MODIFIED CONVAIR MODEL AB RADAR AN/AAS-4 (XA-3) INTEGRATED DATA PROCESSING & BRIGHT DISPLAY INERTIAL NAVIGATION SYSTEM AN/APN-116 AN/APN-42 (XA-3) FILM RECORDER DATA LINK ADAPTER AN/ARC-58 AN/APX-19 INTERNAL FUEL CAPACITY DECREASED 197 GALLONS. ALTERNATE REMOVABLE FUSELAGE NOSE SECTION FORWARD OF F.S. 206 FOR: 1) DAY PHOTOGRAPHIC VERSION, 2) SYNOPTIC WEATHER RECONNAISSANCE VERSION, AND 3) ELECTRONIC RECONNAISSANCE VERSION. EQUIPMENT ADDITIONS FOR SPECIAL WEAPON CAPABILITY TWO TURBO-JET J57-P-13 (MCDONNELL REPORT 5370) (MCDONNELL EN-148)	5-8-57	45-15-050

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	CC	USAF	AIRPLANE - INTERCEPTOR	ADVANCED INTERCEPTOR VERSION OF F-101B/40 TWO-PLACE. COCKPIT EQUIPMENT MAY BE CHANGED FOR INTEGRATED DISPLAY. ENGINE INSTALLATION MODIFIED. FIXED COMPRESSION AIR INLETS. RCA: MG-13/40 FCS PRIMARY ARMAMENT: TWO MB-1 ROCKETS AND TWO GAR-3/4 MISSILES ALTERNATE ARMAMENT: TWO MB-1 ROCKETS AND TWO SIDEWINDER 1B MISSILES LANDING GEAR CHANGED: DUAL 26 X 6.6 MAIN WHEELS NOSE & MAIN GEAR BEEFEDUP. WING AND FLAP MODIFIED. THREE 600-GALLON EXTERNAL FUEL TANKS. VARIATIONS WHICH MAY BE INCORPORATED: a) LOW HORIZONTAL STABILATOR - W.L. 90.75 AREA 131 SQ. FT., b) AREA RULE CONCEPT - F.S. 536 TO 721, AND c) SPARROW X MISSILE ON R & L TANK STATIONS (ALSO CALLED F-101B/40-B) TWO TURBO-JET J79-GE-X207 (WITH J79-GE-2 AFTERBURNER) (MCDONNELL DWG. S-10429)	5-23-57	45-10-050
36	CD	USAF	AIRPLANE - INTERCEPTOR	ADVANCED INTERCEPTOR VERSION OF F-101B/40 TWO-PLACE. COCKPIT EQUIPMENT CHANGED FOR INTEGRATED DISPLAY. ENGINE INSTALLATION MODIFIED. SUPERSONIC VARIABLE OVERHEAD RAMP AIR INLET AND VARIABLE BELLMOUTH FOR SECONDARY AIR. MA-1/40 FCS WITH MOPA, CCM, AND IR. PRIMARY ARMAMENT: TWO IMB-1 ROCKETS AND TWO GAR-3/4 MISSILES ALTERNATE ARMAMENT: TWO GAR-3Y MISSILES, TWO GAR-3/4 MISSILES OR THREE GAR-3Y MISSILES INTERNALLY WING REDESIGNED: LEADING EDGE CAMBER, SPOILERS, INTEGRAL FUEL TANKS, LEADING EDGE SNAG AND INCREASED AREA	6-14-57	41-10-050 6010-001

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	CD	(CONTINUED)		LANDING GEAR CHANGED: DUAL 28 X 7.7 MAIN WHEELS FOLDING FORWARD INTO DUCT NACELLES NOSE & MAIN GEAR BEEFEDUP EMPENNAGE REDESIGNED FOR THINNER AIRFOILS, LOW STABILATOR POSITION, AND INCREASED FIN-RUDDER HEIGHT. EMERGENCY ELECTRICAL AND HYDRAULIC POWER UNIT. THREE 600-GALLON EXTERNAL FUEL TANKS (ALSO CALLED F-101B/40-C) TWO TURBO-JET J79-GE-9 MOD. (WITH J79-GE-2 AFTERBURNER) (ALTERNATES: J79-GE-10A OR P & W JT3C-22) (MCDONNELL EN-147) (MCDONNELL REPORTS 5870 AND 6173)		
36	CE	USAF	AIRPLANE - INTERCEPTOR	ADVANCED INTERCEPTOR VERSION OF F-101B/40 TWO-PLACE. COCKPIT EQUIPMENT CHANGED FOR INTEGRATED DISPLAY. ENGINE INSTALLATION, ACCESS DOORS AND INBOARD WING MODIFIED. VARIABLE SUPERSONIC AIR INLET. PULSE - DOPPLER FCS. ARMAMENT CONSISTS OF TWO GAR-Z AND TWO GAR-4 MISSILES CARRIED EXTERNALLY. WING REDESIGNED FOR INTEGRAL FUEL TANKS AND LEADING EDGE SNAG. LANDING GEAR CHANGED. HORIZONTAL STABILATOR LOWERED (W.L. 90.75) AND AREA INCREASED - 131 SQ. FT. VERTICAL TAIL AREA INCREASED. STRUCTURAL BEEFUP INCORPORATED. SUPERSONIC EJECTION SEAT ADDED. THREE 600-GALLON EXTERNAL FUEL TANKS. (ALSO CALLED F-101B/40-D) TWO TURBO-JET J79-GE-X279 (MCDONNELL EN-147)	6-14-57	41-10-050 6010-001

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	CF	USAF	AIRPLANE - FIGHTER-BOMBER	FIGHTER-BOMBER VERSION OF F-101C/B FOR TAC SINGLE-PLACE. BASIC STRUCTURE CONSISTS OF F-101C FORWARD OF F.S. 417 AND F-101B AFT OF F.S. 417. FORWARD FUSELAGE MODIFIED FOR INSTALLATION OF: a) NAA NASARR RADAR, b) AN/APN-105 NAVIGATION SET, c) GE E-30 BOMBING SET, d) AN/ARD-10 HOMING RECEIVER, e) AN/ARN-46 TACAN, AND f) AN/ARN-48 DATA LINK. MA-7 (EXCEPT FOR GUNSIGHT) AN/ASN-6, DRIFT COMPUTER, AN/ARN-14, MB-1, M-1, MA-2, AND ME-1 REMOVED. MAIN FUEL CELL CHANGED TO SELF-SEALING TYPE. MAIN LANDING GEAR CHANGED TO 34 X 11.5 SIZE. CARTRIDGE ENGINE STARTERS USED. TWO WING STATIONS ADDED FOR CARRIAGE OF EXTERNAL STORES. THREE FUSELAGE STATIONS MODIFIED FOR COMPATIBILITY WITH STORES PROPOSED TWO TURBO-JET J57-P-55 (MCDONNELL REPORTS 5513 AND 5521)	7-8-57	45-10-050
36	CG	USAF	AIRPLANE - FIGHTER-BOMBER	FIGHTER-BOMBER VERSION OF F-101B FOR TAC TWO-PLACE. BASIC STRUCTURE IS THE SAME AS F-101B. FORWARD FUSELAGE MODIFIED FOR INSTALLATION OF: a) NAA NASARR RADAR, b) AN/APN-105 NAVIGATION SET, c) GE E-30 BOMBING SET, d) AN/ARD-10 HOMING RECEIVER, e) AN/ARN-46 TACAN, f) AN/APS-54 RADAR, AND g) MA-7 GUNSIGHT. MG-13, AN/ASN-6, DRIFT COMPUTER, AN/ARN-14, AN/APX-26, AN/APX-27, AND BROFICON REMOVED. ARMAMENT BAY MODIFIED FOR INSTALLATION OF: 1) ROTARY DOOR CONTAINING ONE T-171 GUN AND AMMO. INTERNAL, OR 2) BOMB ROTARY DOOR CONTAINING THREE AERO 7A RACKS FOR CARRYING STORES INTERNAL, OR 3) ALTERNATE BOMB DOORS. MAIN FUEL CELL CHANGED TO SELF-SEALING TYPE. MAIN LANDING GEAR CHANGED TO 34 X 11.5 SIZE. CARTRIDGE STARTERS USED. TWO WING STATIONS ADDED FOR CARRIAGE OF EXTERNAL STORES. THREE FUSELAGE STATIONS MODIFIED FOR COMPATIBILITY WITH STORES PROPOSED TWO TURBO-JET J57-P-55 (MCDONNELL REPORT 5514)	7-9-57	41-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	CH	USAF	AIRPLANE - FIGHTER-BOMBER	FIGHTER-BOMBER VERSION OF F-101B FOR TAC SINGLE-PLACE. SAME AS MODEL 36 CG EXCEPT THE EQUIPMENT FOR THE RADAR OBSERVOR IS REMOVED AND A 200-GALLON FUEL CELL IS PROVIDED IN THE AFT COCKPIT. PRIMARY STRUCTURE STRENGTHENED FOR LIMIT COMBAT LOAD FACTOR OF 8.67 TWO TURBO-JET J57-P-55 (MCDONNELL REPORTS 5514 AND 5540)	7-13-57	41-10-050
36	CI	USAF	AIRPLANE - FIGHTER-BOMBER	FIGHTER-BOMBER VERSION OF F-101C/B FOR TAC TWO-PLACE. SAME AS MODEL 36 CF EXCEPT FUSELAGE MODIFIED FOR SECOND COCKPIT INSTALLATION TWO TURBO-JET J57-P-55	7-25-57	45-10-050
36	CJ	USAF	AIRPLANE - FIGHTER-BOMBER	FIGHTER-BOMBER VERSION OF F-101B FOR TAC TWO-PLACE. SAME AS MODEL 36 CG EXCEPT FUSELAGE AND EQUIPMENT CHANGED FOR INSTALLATION OF J79 ENGINES. VARIABLE RAMP INLET DUCT MAY BE USDE WITH ADDITIONAL AIRPLANE CHANGES TWO TURBO-JET J79-GE-3 OR J79-GE-X207 (MODIFIED) (MCDONNELL REPORT 5539)	7-25-57	41-10-050
36	CK	USAF	AIRPLANE - FIGHTER-BOMBER	FIGHTER-BOMBER VERSION OF F-101B WITH ADVANCED EQUIPMENT TWO-PLACE. BASIC STRUCTURE SAME AS F-101B. FUSELAGE FORWARD OF F.S. 206 REDESIGNED. IFR PROBE REDESIGNED. VARIABLE RAMP INLET DUCT PROVIDED. HORIZONTAL STABILATOR LOWERED AND AREA INCREASED. WING LEADING EDGE SNAG ADDED. ADVANCED BOMBING-NAVIGATION SYSTEM CONSISTING OF: a) MODIFIED CONVAIR AB RADAR, b) AN/APN-116 DOPPLER RADAR, c) CENTRAL DIGITAL COMPUTER, d) INERTIAL PLATFORM, e) OPTICAL SIGHT, f) INFRARED SEARCH & TRACK SYSTEM, g) AN/ARD-10 HOMING RECEIVER, AND h) AN/ARN-46 TACAN. ARMAMENT BAY MODIFIED FOR INSTALLATION OF: 1) ROTARY DOOR CONTAINING ONE T-171 GUN AND AMMO. INTERNAL, OR 2) BOMB ROTARY DOOR CONTAINING THREE AERO 7A RACKS FOR CARRYING STORE INTERNAL, OR 3) ALTERNATE BOMB DOORS. MAIN FUEL CELL CHANGED TO SELF-SEALING TAYPE. MAIN LANDING GEAR CHANGED TO 34 X 11.5 SIZE. TWO WING STATIONS ADDED FOR CARRIAGE OF EXTERNAL STORES. THREE FUSELAGE STATIONS MODIFIED FOR COMPATIBILITY WITH STORES PROPOSED TWO TURBO-JET J79-GE-9 (MODIFIED) (MCDONNELL REPORT 5579)	8-15-57	41-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	CL	USAF	AIRPLANE - FIGHTER-BOMBER	ADVANCED F-101 FIGHTER-BOMBER VERSION TWO-PLACE. IFR PROBE REDESIGNED. ENGINE INSTALLATION MODIFIED. SUPERSONIC VARIABLE OVERHEAD RAMP INLET AND VARIABLE BELLMOUTH FOR SECONDARY AIR. WING REDESIGNED: LEADING EDGE CAMBER, LEADING EDGE SNAG, SPOILERS, INTEGRAL FUEL TANKS, AND INCREASED AREA. LANDING GEAR CHANGED: DUAL 28 X 7.7 MAIN WHEELS FOLDING FORWARD INTO DUCT NACELLE. NOSE AND MAIN GEAR STRENGTHENED. EMPENNAGE REDESIGNED: THINNER AIRFOILS LOW STABILATOR POSITION, AND INCREASED FIN-RUDDER HEIGHT. ADVNACED BOMBING - NAVIGATION SYSTEM CONSISTING OF: a) MODIFIED CONVAIR AB RADAR (30-INCH DISH), b) AN/APN-116 DOPPLER RADAR, c) CENTRAL DIGITAL COMPUTER, d) INERTIAL PLATFORM, e) OPTICAL SIGHT, f) INFRARED SEARCH AND TRACK SYSTEM, g) AN/ARD-10 HOMING RECEIVER, AND h) AN/ARN-46 TACAN. EMERGENCY ELECTRICAL AND HYDRAULIC POWER UNIT. ARMAMENT BAY: 1) ROTARY DOOR CONTAINING ONE T-171 GUN AND AMMUNITION INTERNAL, OR 2) BOMB DOOR CONTAINING THREE AERO 7A RACKS. EXTERNAL ARMAMENT: TWO WING AND THREE FUSELAGE STORE STATIONS TWO TURBO-JET J79-GE-9 (MODIFIED) S-15244 - J79-GE-10, JT3C-22 (MCDONNELL REPORT 5871)	1-2-58	41-10-050
36	CM	USAF	AIRPLANE - FIGHTER-BOMBER	F-101C FIGHTER-BOMBER VERSION SINGLE-PLACE. BASIC STRUCTURE CONSISTS OF F-101C FORWARD OF F.S. 417 AND F-101B AFT OF F.S. 417. EQUIPMENT SAME AS F-101C EXCEPT FOR ADDITION OF AN/APN-22, AN/ARN-21, AN/ARN-31, AND AN/ARN-32, AND DELETION OF AN/ARN-14. MAIN LANDING GEAR CHANGED TO 31 X 11.5 SIZE. NO. 2 FUEL CELL CHANGED TO SELF-SEALING TYPE. OVERBOARD EJECTION OF AMMUNITION CASE. MA-7 FCS WITH MISSILE AUXILIARIES. TWO WING STATIONS ADDED FOR EXTERNAL STORES TWO TURBO-JET J57-P-55 (MCDONNELL REPORT 5905)	1-8-58	41-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	CN	USAF	AIRPLANE - INTERCEPTOR	F-101 INTERCEPTOR WITH J79 ENGINES AND MODIFIED MG-13 FCS TWO-PLACE. STRENGTH CRITERIA SAME ON F-101B T-OGW: 54,000 POUNDS LOAD FACTOR: 6.6g LIMIT FUSELAGE LENGTH SAME AS F-101B 32 X 11.5 MLG SECONDARY AIR INLET FUEL CELL FLOOR COOLING EMERGENCY ELECTRICAL AND HYDRAULIC POWER UNIT. MODIFIED MG-13 FCS TO INCLUDE CCM CAPABILITIES. PROVISIONS FOR TWO 600-GALLON AND ONE C_L 450 GAL. EXTERNAL TANK PRIMARY ARMAMENT: TWO IMB-1 ROCKETS AND TWO GAR-1/2 MISSILES ALTERNATE ARMAMENT: TWO GAR-1/2 MISSILES, TWO GAR-1Y MISSILES AND THREE GAR-1Y MISSILES INTERNALLY TWO TURBO-JET J79-GE-17K (MCDONNELL REPORT 5887)	1-14-58	41-10-050
36	CO	USAF	AIRPLANE - INTERCEPTOR	F-101 INTERCEPTOR WITH J79 ENGINES AND MODIFIED MG-13 FCS TWO-PLACE FUSELAGE LENGTH INCREASED 20.7 INCHES. BASIC STRUCTURE SAME AS F-101B, WITH LOCAL BEEFUPS REQUIRED. LOAD FACTOR 6.3g LIMIT. FUSELAGE FORWARD OF F.S. 206 REDESIGNED SECONDARY AIR INLET FUEL CELL FLOOR COOLING 32 X 11.5 MLG PRIMARY ARMAMENT: TWO IMB-1 ROCKETS AND TWO GAR-1/2 MISSILES ALTERNATE ARMAMENT: TWO GAR-1/2 MISSILES, TWO GAR-1Y MISSILES OR THREE GAR-1Y MISSILES INTERNALLY. TWO 600 GAL. AND ONE 450 GALLON EXTERNAL TANKS. IMPROVED MG-13 FCS INCLUDING: 1) 30 INCH CAPABILITIES, 2) CCM CAPABILITIES AND 3) INFRARED SCANNER. EMERGENCY ELECTRICAL AND HYDRAULIC POWER UNIT ADDED TWO TURBO-JET J79-GE-17K (MCDONNELL REPORT 5888)	1-15-58	41-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	CP	USAF	AIRPLANE - INTERCEPTOR	F-101 INTERCEPTOR WITH J79 ENGINES AND IMPROVED MA-1/40 FCS TWO-PLACE. FUSELAGE LENGTH SAME AS F-101B. STRENGTH CRITERIA SAME AS F-101B WITH LOCAL BEEFUPS REQUIRED. LOAD FACTOR: 6.8g LIMIT 32 X 11.5 MLG FUSELAGE FORWARD OF F.S. 206 REDESIGNED SECONDARY AIR INLET FUEL CELL FLOOR COOLING EMERGENCY ELECTRICAL AND HYDRAULIC POWER UNIT ADDED. INTEGRATED COCKPIT DISPLAY. IFR KIT PROVISIONS WET WING MA-1/40 FCS WITH MOPA, CCM AND IR SYSTEM PRIMARY ARMAMENT: TWO IMB-1 ROCKETS AND TWO GAR-3/4 MISSILES ALTERNATE ARMAMENT: TWO GAR-3/4 MISSILES, TWO GAR-3Y MISSILES OR THREE GAR-3Y MISSILES INTERNALLY TWO TURBO-JET J79-GE-17K OR J79-GE-9 (MODIFIED) (MCDONNELL REPORT 5889)	1-15-58	41-10-050
36	CQ (S-11353)	USAF	AIRPLANE - INTERCEPTOR	SEARCH AND TRAILER INTERCEPTOR VERSION OF F-101B TWO-PLACE AIRPLANE LENGTH: 71 FT. 1.4 IN. FORWARD FUSELAGE MODIFIED. MAIN LANDING GEAR SIZE: 32 X 11.5 ARMAMENT DOOR AND MISSILES REMOVED. ARIES (RCA) FIRE CONTROL SYSTEM WITH 40-INCH ANTENNA ELECTRONIC EQUIPMENT ADDED: 1) AN/APN-116, 2) LONG RANGE COMMUNICATION, 3) INERTIAL PLATFORM, 4) IR SEARCH AND TRACK SYSTEM AND 5) NAVIGATION COMPUTER INTERNAL FUEL CAPACITY INCREASED 320 GALS. ARMAMENT: EXTERNAL SIDEWINDER MISSILES TWO TURBO-JET J57-P-55	6-9-58	83-10-051

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	CR	USAF	AIRPLANE - INTERCEPTOR	IMPROVED F-101B INTERCEPTOR, TWO-PLACE, AIRPLANE LENGTH INCREASED 26 INCHES (73 FT. 3.8 IN.), BASIC STRUCTURE SAME AS F-101B WITH WITH LOCAL BEEF-UP AS REQUIRED. MAIN LANDING GEAR SIZE: 31 X 11.5 - 16. MAXIMUM TAKE-OFF DESIGN GROSS WEIGHT: 54,000 LBS. MACH 2 DUCT WITH PRECOMPRESSOR COOLING. ARMAMENT: TWO MB-1 ROCKETS, TWO GAR-1D OR GAR-2A FALCON MISSILES. IMPROVED MG-13 FIRE CONTROL SYSTEM INCLUDING: (1) 30-INCH ANTENNA (2) CCM CAPABILITY (3) MOPA SPACE PROVISION. ARMAMENT: TWO GAR-1Y MISSILES, TWO IMB-1 ROCKETS TWO TURBO-JET J57-P-55 (MCDONNELL REPORTS 6227, 6360 & 6393)	8-26-58	90-10-050
36	CS	USAF (AMC LTR. LMT 9-29-58)	AIRPLANE STRIKE RECON-NAISSANCE	STRIKE RECONNAISSANCE VERSION OF F-101B, TWO-PLACE, FUEL: INTERNAL 2586 GALS., EXTERNAL 900 GALS., AIRPLANE LENGTH: 73' 3.8", HEIGHT: 18' 0", SPAN 39' 8.3", DUAL 28 X 8 WHEELS AND GEAR INTEGRATED COCKPIT DISPLAY, BASIC F-101B REVISED FORWARD OF FS 206 TO ACCOMMODATE: (1) FORWARD-LOOKING RADAR (2) DOPPLER NAVIGATOR (3) DIGITAL COMPUTER (4) TV CAMERA (5) OTHER MISCELLANEOUS EQUIPMENT BASIC F-101B EQUIPMENT COMPARTMENTS AFT OF FS 206 UTILIZED TO PROVIDE SPACE FOR: (1) SIDE LOOKING RADAR (2) CNI (3) AFCS (4) ECM (5) ELINT (6) EMH EQUIPMENT (7) OTHER BASIC AIRFRAME SYSTEMS	10-8-58 (BEARD)	90-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	CS	(CONTINUED)		F-101B ARMAMENT BAY USED ALTERNATELY FOR: (1) FUEL ON STRIKE MISSIONS (2) IR MAPPING (3) CAMERAS (4) FUEL (5) ADDITIONAL ELINT RECEIVING, ELINT RECORDING AND CHAFF EQUIPMENT ON ALTERNATE STRIKE, STRIKE RECONNAISSANCE AT RECONNAISSANCE MISSIONS. ARMAMENT: PRIMARY - ONE SPECIAL WEAPON, ALTERNATE - CONVENTIONAL, WEAPONS TWO TURBO JET J57-P-55 (MCDONNELL REPORT 6397)		
36	CT	RCAF	AIRPLANE STRIKE-FIGHTER	F-101 MARK IIB STRIKE-FIGHTER, AIRPLANE LENGTH: 67 FT. 5.3 IN., SINGLE PLACE, BASIC AIRPLANE CONSIST OF F-101C FORWARD AND FORWARD CENTER FUSELAGE WITH CHANGES REQUIRED FOR STRIKE FIGHTER MISSION. REMAINDER OF AIRCRAFT CONSIST OF F-101B CENTER AFT FUSELAGE, AFT FUSELAGE AND WING. NOSE FUSELAGE HOUSES FOLLOWING: NASARR X BAND RADAR, ARN-21 TACAN, ARN-31, ARN-32 ILS LOCALIZER AND GLIDE SLOPE, PHI NAVIGATIONAL COMPUTER, FORWARD FUSELAGE: ARC-52 SUBSTITUTED FOR PRESENT ARC-34, FLUSH GUN PORTS IN LIEU OF GUN BUMPS, FORWARD CENTER FUSELAGE: F.S. 342 TO 536 UNCHANGED FROM F AND RF-101, ENGINE DUCTS MATCHED TO J57-P-55 FOR OPTIMUM RANGE AND HIGH SPEED PERFORMANCE, CENTER AFT FUSELAGE AND AFT FUSELAGE: UNCHANGED STRUCTURALLY FROM F-101B. TWO TURBO JET J57-P-55 (MCDONNELL REPORT 6816)	6-8-59	E9222-018
36	CU	USAF	AIRPLANE INTERCEPTOR	IMPROVED F-101B INTERCEPTOR, CREW: TWO, IMPROVEMENTS INCLUDE: A. FIRE CONTROL SYSTEM CONSIDERATIONS: 1) MG-13 ECM IMPROVEMENTS 2) PULSE-DOPPLAR RADAR (ADDED OR SUBSTTITUTED) 3) MOPA INSTALLATION FEASIBILITY STUDY	6-8-59	E9222-023

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	CU	(CONTINUED)		B. ARMAMENT CONSIDERATIONS: 1) IMPROVED MB-1 WITH PROXIMITY FUSE 2) IMPROVED GAR II 3) WAGTAIL MISSILE C. BASIC AIRFRAME CONSIDERATIONS: 1) INCORPORATION OF F4H TYPE VARIABLE RAMP ENGINE INLET CONFIGURATION TWO J57-P-55 (MCDONNELL REPORT 6883)		
36	CV (MEMO PD-337 8-24-59)	USAF	AIRPLANE	TAC F-101B (MARK III) AIRFRAME. TWO-PLACE, MAXIMUM TOGW 54,000 LBS. NASARR X BAND, DOPPLER RADAR AN/APN-116 NAVIGATION COMPUTER AN/APN-19, BOMBING COMPUTER G.E. TAB ANALOG MB-5 AUTOMATIC FLIGHT CONTROL SYSTEM MG-1A CENTRAL AIR DATA COMPUTER, MAIN WHEEL AND TIRE 31" X 11.5", BOOM REFUELING PROVISIONS, F-101B BASIC SYSTEMS RETAINED; ARC-34 RECEIVER-TRANSMITTER, ARA-25 D.F., ARN-31 RADIO RECEIVER, ARN-32 RADIO RECEIVER, APX-25A TRANSPONDER, AIC-10A INTER. COMM., ARN-21A RADIO SET TWO J57-P55	8-21-59	6010-001
36	CW (MEMO PD-354 9-10-59)	USAF	AIRPLANE	F-101D TACTICAL FIGHTER REQUIRE FOLLOWING CHANGES TO THE MK III: a) DELETE ARMAMENT DOOR AND MECHANISM - INSTALL 565 GAL. PERMANENT BLADDER FUEL TANK b) INSTALL DUAL 28 X 8.8 WHEELS AND BRAKES c) CHANGE NO. 2 FUEL CELL TO BLADDER TYPE d) MOVE ARN-21, APX-25, ARC-34, BATTERY AND OTHER MISC. EQUIPMENT FORWARD OF F.S. 206 e) INSTALL MB-1 (F-101C) AUTOPILOT INSTEAD OF MB-5 f) INSTALL VARIABLE RAMP ENGINE INLET TYPE IV. g) INSTALL 20' PARABRAKE INSTEAD OF 16' h) REINSTALL REFUELING PROBE (BOOM STILL IN FROM MK III) i) INSTALL F-101B AUXILIARY HYD. SYSTEM j) ELIMINATE CADC TWO J57-P55	10-14-59	6010-00

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	CX (NOT USED)					
36	CY (NOT USED)					
36	CZ (MEMO PD-341 8-31-59)	USAF	AIRPLANE	ESSENTIALLY SAME AS MODEL 36 CT EXCEPT FOR DELETION OF GUNS AND THE ADDITION OF AMMO BAY AND GUN COMPARTMENT FUEL AND SUBSTITUTION OF AMERICAN EQUIPMENT. TWO J57-P55	8-31-59	6010-001
36	DA	W. GERMANY	AIRPLANE	F-101 TACTICAL, ALL WEATHER FIGHTER - UTILIZES BASIC F-101B AIRFRAME, LONG RANGE, TWO-PLACE, CNI COMMUNICATION, NAVIGATION AND IDENT., MB-1 AUTO. FLIGHT CONTROL SYSTEM, AN/AWA-3 SIDEWINDER LAUNCH ZONE COMPUTER, AN/ARW-71 BULLPUP AUXILIARIES, MM-4 ATTITUDE REFERENCE, AN/ASN-19 NAVIGATIONAL COMPUTER, AN/AJN-3 COMPASS SYSTEM, NASARR X BAND 80 KW RADAR, STEERABLE DUAL NOSE WHEELS, DUAL MAIN GEAR WHEELS INCORPORATING ANTISKID, EMERGENCY BRAKING AND EMERGENCY EXTENTION SYSTEMS. 8° - 10° VARIABLE RAMP. TWO J57-P55 OR J79-GE-7 (MCDONNELL REPORT 7145)	10-29-59	6010-001
36	DB	W. GERMANY	AIRPLANE	TAC F-101D (IMPROVED VERSION). SAME AS MODEL 36DA FOR GREATER RADAR DETECTION RANGES AND IMPROVED NAVIGATIONAL ACCURACIES. TWO J57-P55 OR J79-GE-7 (MCDONNELL REPORT 7145)	10-29-59	6010-001
36	DC	USAF	AIRPLANE	ADVANCED INTERCEPTOR VERSION OF THE F-101B WITH ASG-18 FCS AND GAR-9 CAPABILITY. J57-P55 (MCDONNELL REPORT 7159)	11-10-59	(AED) 6010-001

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
36	DD (SALES DWG. S-11440)	USAF	AIRPLANE	BASIC F-101B VERSION WITH H.A.C. (HUGHES) 330/700 WATT PULSE DOPPLER RADAR, 25" ANTENNAS. IFR PROBE REMOVED, MODIFIED HEAT AND VENT SYSTEM, STATIC POWER SUPPLY J57-P55 (MCDONNELL REPORT 7534)	5-23-60	(AED) 712-10-060
36	DE (SALES DWG. S-11441)	USAF	AIRPLANE	BASIC F-101B VERSION WITH WECO 650 WATT PULSE DOPPLER RADAR, 26" ANTENNA. MG-13 COMPUTER, STATIC POWER SUPPLY, IFR PROBE REMOVED, MODIFIED HEAT AND VENT SYSTEM. J57-P55 (MCDONNELL REPORT 7534)	5-23-60	(AED) 712-10-060
36	DF (SALES DWG. S-11443)	USAF	AIRPLANE	BASIC F-101B VERSION WITH H.A.C. (HUGHES) 330/700 WATT PULSE DOPPLER RADAR, 32" ANTENNA. IFR PROBE REMOVED, MODIFIED HEAT AND VENT SYSTEM, STATIC POWER SUPPLY. J57-P55 (MCDONNELL REPORT 7534)	5-23-60	(AED) 712-10-060
36	DG (SALES DWG. S-11442)	USAF	AIRPLANE	BASIC F-101B VERSION WITH WECO 400/700 WATT PULSE DOPPLER RADAR, 32" ANTENNA. IFR PROBE REMOVED, MODIFIED HEAT AND VENT SYSTEM, MG-13 COMPUTER, STATIC POWER SUPPLY. J57-P55 (MCDONNELL REPORT 7534)	5-23-60	(AED) 712-10-060
36	DH	USAF	RECONNAIS-SANCE	CLASS V MODIFICATION 1181, CONFIGURATION OF A BASIC RF-101 AIRCRAFT INCORPORATING RF-4C CAMERAS AND RECONNAISSANCE EQUIPMENT. RF-4C EQUIPMENT TO BE USED IS AS FOLLOWS: FRAMING CAMERAS, LOW ALTITUDE PANORAMIC CAMERA AND CASSETTE EJECTION, AUXILIARY DATA ANNOTATION SET, PHOTOGRAPHIC CONTROL SET, AND FLASH DETECTOR. J57-P55 AEA-18	2-8-63 DON EAST	E6610-201

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
37				HELICOPTER (NOW XHJD-1)		2078
37A				HELICOPTER - HJD-1 PRODUCTION VERSION (ITEM NO. 4 OF J.O. 2078)		2078
38				SINGLE SEAT JET HELICOPTER (NOW XH-20) ("LITTLE HENRY")		4024, 2100
39				FIGHTER PROPOSAL FOR CHINESE AIR FORCE (PHASE I AND II)		4027
40				NAVY FIGHTER, TWO 24C ENGINES IN WING		4028
40A				NAVY FIGHTER, TWO 24C ENGINES IN FUSELAGE		4028
41				ARMY TARGET DRONE		4030
42				H-3 FLEET HELICOPTER		4023
43				TEN PLACE COMMERCIAL HELICOPTER		4037
44				FOUR PLACE PERSONAL TYPE AIRPLANE		4034
45				ARMY LIAISON TYPE AIRCRAFT		4036
46				ARMY - LARGE UTILITY TYPE HELICOPTER		4043
47				HIGH SPEED ARMY JET TARGET		4051
48				MX-777 GUIDED MISSILE - RESEARCH AND STUDY GUIDED MISSILE - DEVELOPMENT		2098 2111, 2129
48A				MX-777 GUIDED MISSILE - RESEARCH AND STUDY		2098
49				PA/XI AND XV - PILOTLESS AIRCRAFT - RESEARCH		2103
50				EXPORT TARGET DRONE - KDH-1 VERSION		2094
51				TARGET PRODUCTION VERSION KDH-1		2094
51A				PRODUCTION VERSION - KDH-1 250 KNOT TARGET DRONE		2094
52				TWIN ENGINE, FIVE PLACE, SINGLE PUSHER PROPELLER		4056
53				NAVY - 1200 MILE RANGE, TURBO PROPELLER		4057
54				ARMY TRAINER, TANDEM ARRANGEMENT, SINGLE ENGINE J33-A-23		4058
55				TWO PLACE, TWIN RAM - JET HELICOPTER - ARMY		4060
56				ARMY BASIC TRAINER (ONE R-1300 ENGINE)		4061
56A				ARMY BASIC TRAINER (ONE P & W R-1340 ENGINE)		4061
57				HIGH SPEED, JET-POWERED AERIAL TARGET - ARMY		4063
58				CARRIER BASED INTERCEPTOR NAVY FIGHTER - 45° SWEPTBACK WING (NOW XF3H-1)		4064, 2132, 04
58A				LAND BASED VERSION - INTERCEPTOR NAVY FIGHTER		4064
58B				XF3H-1 WITH EXTERNAL PYLON FUEL TANKS		2132
58C				XF3H-1 WITH FUSELAGE LENGTH INCREASED 10" AND DEPTH 8.5" FRONTAL AREA 39 SQ. FT., ENGINE COMPARTMENT MOVED AFT		2132

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
58D				XF3H-1 WITH FUSELAGE INCREASED 13.5" FRONTAL AREA 33 SQ. FT.		2132
58E				XF3H-1 AIRPLANE WITH J40-WE-16 ENGINE		2132
58F				MODEL 58C WITH PYLON TANKS		2132
58G				MODEL 58E WITH PYLON TANKS		2132
58H				XF3H-1, WITH FUSELAGE LENGTH INCREASED 30" AND DEPTH 8.5" FRONTAL AREA 39 SQ. FT., ENGINE COMPARTMENT AFT, WITH ALTERNATE ENGINES.		2132
58J				ALL PURPOSE FIGHTER VERSION - XF3H-1 - 35° SWEPTBACK WING		04
58K				F3H-1 PRODUCTION STUDIES		04
58L				ALL PURPOSE VERSION - 45° WING		04
58M				F3H-1 PRODUCTION VERSION		04
58N				F3H-1 WITH TWO J46-WE-2 ENGINES AND 1533 GALS. FUEL		04
58P				INTERCEPTOR VERSION - MODEL 58M		04
58Q				F3H-1 PRODUCTION VERSION, SAME AS 58M WITH DEEPENED FUSELAGE FOR ROCKET SPACE, AND 1533 GALS. FUEL (NOW F3H-1N)		10, 28
58R				NIGHT FIGHTER VERSION OF F3H-1 (58Q) - TWO SEAT ARRANGEMENT		10
58S				F3H-1 - MODEL 58M WITH ONE J67 ENGINE (WRIGHT MODEL TJ32-C-2) FUSELAGE WIDTH AND WING SPAN INCREASED 5". TAKE-OFF GROSS WEIGHT AND FUEL LOADING CHANGED		
58T				F3H-2 PHOTOGRAPHIC VERSION (NOW F3H-2P)		10, 28
58U				DAY FIGHTER VERSION OF F3H-1		10-( )-051
58V				F3H-1 WITH 6% WING AND TAIL AND J57 ENGINE		10-12-051
58W				F3H-1 WITH J71 ENGINE (NOW F3H-2N)		10-12-051
58X				F3H-1 WING WITH J67-W-1 ENGINE IN NEW FUSELAGE (F3H-C)		10-12-051
58Y				F3H-2 MISSILE CARRIER VERSION (NOW F3H-2M)		28
58Z				F3H-2N MISSILE CARRIER VERSION - TWO GUNS, CHUTES AND AMMUNITION COMPLEMENT REMOVED FROM ONE SIDE - FOUR SPARROW III MISSILES CARRIED EXTERNALLY, AN/APG-51A FCS PLUS MISSILE AUXILIARIES (6-6-55) (MCDONNELL REPORT 4156)		28-10-051

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
58AA				F3H-2N MISSILE CARRIER VERSION - FOUR GUNS AND AMMUNITION RETAINED, FOUR SPARROW III MISSILES CARRIED EXTERNALLY, AN/APG-51B FCS PLUS MISSILE AUXILIARIES (8-16-55) (MCDONNELL REPORT 4310) (SD-459-2-2) (NOW F3H-2)		28-10-051 72, 84, 92
58AB				F3H-2 AIRPLANE WITH ALLISON ENGINE J71-600D5 AND VARIOUS ARMAMENT PROVISIONS (5-3-56) (MCDONNELL REPORTS 4757 AND 4803)		28-10-050
58AC				F3H-2 AIRPLANE WITH IMPROVED FCS (30-INCH ANTENNA AND ONE MEGAWATT RCA RADAR). AIRPLANE LENGTH INCREASED 10.5 INCHES. FORWARD FUSELAGE MODIFIED. NO CHANGE IN ENGINES OR ARMAMENT. (4-4-57)		84-10-050
58AD				F3H-2 AIRPLANE WITH 30 INCH ANTENNA AND AN/APG-51B FCS. AIRPLANE LENGTH INCREASED 4 INCHES. FUSELAGE NOSE (FORWARD OF F.S. 88) MODIFIED. NO CHANGE IN ENGINES OR ARMAMENT. (4-19-57) (MCDONNELL REPORT 5315)		84-10-050 01-73
59				MINE LAYING VERSION - MODEL 48		2111
60				CARRIER BASED INTERCEPTOR NAVY FIGHTER - DELTA WING		4064
61				PRODUCTION VERSION OF XHJD-1 (HJD-1)		4066
62				A.S.W. CARGO HELICOPTER		4071
63				20,000 POUND TWIN ENGINE - UTILITY HELICOPTER		4071
64				ARMY INTERCEPTOR - TURBO-JET - DELTA WING		4100
65				ARTIC RESCUE HELICOPTER - USAF - WRIGHT MODEL C7B5 ENGINE		4080
65A				ARTIC RESCUE HELICOPTER - USAF - WRIGHT MODEL R-1300-1 ENGINE		4080
65B				ARTIC RESCUE HELICOPTER - USAF - P. & W. R985-AN-14B ENGINE		4080
66				AIR-TO-AIR MISSILE FOR NAVY AND USAF		4086
67				AIR FORCE INTERCEPTOR - SWEPTBACK WING		4100
68				AIR FORCE INTERCEPTOR - STRAIGHT WING		4100
69				TARGET DRONE		4092
70				PATH-STABILIZED SHVAR ROCKET		4086, 01-14, 12
71				NAVY INTERCEPTOR - TURBO-JET		2132
72				A.S.W. HELICOPTER - TWIN ENGINE		4106
73				A.S.W. HELICOPTER - SINGLE ENGINE		4106

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
74				A.S.W. AIRCRAFT		4105
74A				A.S.W. AIRCRAFT - TAIL WHEEL VERSION		4105
74B				A.S.W. AIRCRAFT - R-3350 ENGINE VERSION		4105
75				A.S.W. AIRCRAFT - TWIN RECIPROCATING ENGINES (CANCELLED)		4105
76				MARINE ASSAULT TRANSPORT HELICOPTER		01-5
77				SINGLE ENGINE MARINE ASSAULT TRANSPORT HELICOPTER		01-5
78				MARINE ASSAULT TRANSPORT - TWIN ENGINE JET-ROTOR HELICOPTER (NOW XHRH-1)		01-5, 14
79				21 FT. DIA. RAM-JET UTILITY HELICOPTER ("BIG HENRY")		01-3
80				SIDE BY SIDE GEARED ROTOR HELICOPTER - TURBO-PROP ENGINE		01-05-201
80A				SIDE BY SIDE GEARED ROTOR HELICOPTER - RECIPROCATING ENGINE		01-05-201
81				TANDEM GEARED ROTOR HELICOPTER - TURBO-PROP ENGINE		01-05-301
81A				TANDEM GEARED ROTOR HELICOPTER - RECIPROCATING ENGINE		01-05-301
82				CONVERTIPLANE - U.S. ARMY RECONNAISSANCE, FOUR PLACE, SINGLE ENGINE (NOW XV-1)		01-09, 13, 23
82A				CONVERTIPLANE - ONR TWO PLACE, SINGLE ENGINE		01-09
82B				U.S. ARMY CONVERTIPLANE, FOUR PLACE, SINGLE ENGINE		01-10
82C1				NAVY CLASS H.O. HELICOPTER - RESCUE, OBSERVATION		01-24
82C2				NAVY CLASS H.O. HELICOPTER - LONG RANGE OBSERVATION		01-24
82D1				NAVY CLASS H.O. HELICOPTER - LONG RANGE RESCUE		01-24
82D2				NAVY CLASS H.O. HELICOPTER - LITTER VERSION		01-24
82D3				NAVY CLASS H.O. HELICOPTER - ARMED RECONNAISSANCE		01-24
82D4				NAVY CLASS H.O. HELICOPTER - UTILITY VERSION		01-24
82E				PRODUCTION VERSION OF MODEL 82 - P & W R-985 ENGINE		23
82F				PRODUCTION VERSION OF MODEL 82 - LYCOMING TURBO-PROP XT53 (PROPOSED V-1A) (MCDONNELL REPORT 3294 AND 3867) (DIFFERENT TRANSMISSION FROM MODEL 82)		23

MCDONNELL MODEL NUMBERS 1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
82	G	ARMY	HELICOPTER	HELICOPTER VERSION OF XV-1, SEVEN-PLACE, LOW WING, PRESSURE JET ROTOR, JET DIRECTIONAL CONTROL ONE TURBO-PROP T58-GE	12-14-54	6010-002
82	H	NAVY	CONVERTIPLANE	ENLARGED VERSION OF XV-1, SIX-PLACE, RETRACTABLE TYPE TRICYCLE GEAR ONE TURBO-PROP T58-GE (MCDONNELL REPORT 4430)	5-13-55	6010-002 01-61
82	J	ARMY USAF	CONVERTI-PLANE	SAME AS XV-1 WITH NECESSARY CHANGES TO ACCOMMODATE T58 ENGINE (PROPOSED V-1B) ONE TURBO-PROP T58-GE (MCDONNELL REPORTS 3867 AND 4197)	6-30-55	01-61
82	K	ARMY NAVY USAF	CONVERTI-PLANE	SAME AS MODEL 82H EXCEPT WITH V-1B ROTOR, OUTER WING AND TAIL ONE TURBO-PROP T58-GE	8-8-55	01-61
82	L	ARMY USAF	CONVERTI-PLANE	PRODUCTION VERSION OF XV-1, GAS TURBINE ENGINE INSTAL. MODIFICATION AS REQUIRED FOR INCORPORATION OF T53 ENGINE WITH XV-1 TRANSMISSION SYSTEM AND COMPRESSORS. FUEL CAPACITY INCREASED APPROXIMATELY 400 LBS. ONE TURBO-PROP T53-L (MCDONNELL REPORT 4707)	5-7-56	23-82-050
82	M	ARMY NAVY USAF	COMPOUND HELICOPTER	MODIFIED VERSION OF XV-1. CREW: TWO, SIX PASSENGERS, TRACK PUSHER PROPELLERS, CONVENTIONAL FUSELAGE, ROTOR DIAMETER: 31 FEET, DESIGN GROSS WEIGHT - 6600 LBS. ONE TURBO-PROP T58-GE-8 (MCDONNELL REPORT 6566)	10-6-58	6010-001
83	-	ARMY	HELICOPTER	LIAISON HELICOPTER	1-51 (EST.)	2143-111

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
84	-	USAF NAVY	AIRPLANE - FIGHTER	COMPOSITE AIR FORCE - NAVY FIGHTER	3-51 (EST.)	01-18-201
85	- (BENDIX JS-2001B)	NAVY	MISSILE (TALOS)	SURFACE-TO-AIR MISSILE, IMPROVED VERSION OF RTV-N-6A4, ADDITION OF WARHEAD AND FUSE, NEW COMBUSTOR, X BAND INTELLIGENCE (NOW X SAM-N-6) MODEL T M_i = 1.76 SC A_i = 205	3-51 (EST.)	09 18
85	A (BENDIX JS-2001B)	NAVY	MISSILE (TALOS 6A)	SURFACE-TO-AIR MISSILE SAME AS MODEL 85 EXCEPT C-BAND INTELLIGENCE (NOW X SAM-N-6A) MODEL T M_i = 1.76 SC A_i = 205	9-51 (EST.)	09 18
85	B (BPD 4524)	NAVY	MISSILE (TALOS 6B)	SURFACE-TO-AIR MISSILE, SIMILAR TO MODEL 85A WITH MODIFICATIONS TO THE DIFFUSER INLET, INNER BODY, FUZE, WARHEAD, WING ACTUATORS, COMBUSTOR AND BOOSTER; AND WITH A STIFFENED BODY. C-BAND INTELLIGENCE. (NOW X SAM-N-6B) MODEL J-2 F_i = 2.2 SC A_i = 235	11-52 (EST.)	31 34 40
85	C (BPD 4524)	NAVY	MISSILE (TALOS 6B)	SURFACE-TO-AIR MISSILE, SAME AS MODEL 85B WITH ELIMINATION OF PREVIOUSLY ALLOWED SPECIFICATION DEVIATION TO IMPROVE TACTICAL SUITABILITY. C-BAND INTELLIGENCE, (NOW X SAM-N-6B) MODEL J-2 M_i = 2.2 SC A_i = 235	11-52 (EST.)	NONE
85	D (BPD 4271)	NAVY	MISSILE (TALOS 6BW)	SURFACE-TO-AIR MISSILE, SAME AS MODEL 85B AFT OF STATION 105 WITH MINOR REFINEMENTS FORWARD OF STATION 105 AS COMPARED TO MODELS 85 W AND 85SW. REFINEMENTS INCLUDE: INNER BODY REDESIGNED TO ACCOMMODATE A NEW DESIGN OF INNER-BODY CENTER SECTION, ELIMINATION OF S & A BRACKETRY, AND NEW S & A PLUG. C-BAND INTELLIGENCE (NOW SAM-N-6BW) MODEL J-2 F_i = 2.2 SC A_i = 225	9-7-56	31 34 40

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
85	E (BPD 4271)	NAVY	MISSILE (TALOS 6BW)	SURFACE-TO-AIR MISSILE, SAME AS MODEL 85B WITH REFINEMENTS FORWARD OF STATION 105 THAT INCLUDE REDESIGNED INNER BODY TO ACCOMMODATE A NEW DESIGN OF INNER BODY. C-BAND INTELLIGENCE (NOW X SAM-N-6BW) MODEL J-2 M_i = 2.2 SC A_i = 225	9-7-56	31 34 40
85	F (BPD 4401)	NAVY	MISSILE (TALOS L)	SURFACE-TO-AIR MISSILE, L PROTOTYPE, REVISED DIFFUSER INLET, REPACKAGED FLUSH AND FORWARD ANTENNAS, LONGER FUEL TANK AND TAIL PIPE, INCREASED SPAN OF MISSILE FINS, ALTITUDE - BIASED, MACH NUMBER SPEED CONTROL, C-BAND INTELLIGENCE, (NOW X SAM-N-6B1) MODEL J-2L M_i = 2.73 SC A_i = 330	9-7-56	34 43
85	G (BPD 4402)	NAVY	MISSILE (TALOS LW)	SURFACE-TO-AIR MISSILE, LW PROTOTYPE, REVISED DIFFUSER INLET, LONGER FUEL TANK AND TAIL PIPE. INCREASED SPAN OF MISSILE FINS. ALTITUDE - BIASED, MACH NUMBER SPEED CONTROL, NEW INNER BODY FORWARD SECTION. DOUBLE CONE INLET FOR LAST TWO SETS OF MCDONNELL PARTS IN ADDITION TO SINGLE CONE INLET PARTS. C-BAND INTELLIGENCE (NOW X SAM-N-6BW1) MODEL J-2L M_i = 2.73 SC A_i = 330	9-7-56	34 43
85	H (BPD 4549 4599 4177A 4254 4813)	NAVY	MISSILE (TALOS 6B)	SURFACE-TO-AIR MISSILE, IN-LINE CONFIGURATION OF MODEL 85B, PROVISION FOR WING CONTROL DURING BOOST, STOWAGE STRONG POINT AT B.S. 105, WAVEGUIDE INSTALLATION, C-BAND INTELLIGENCE (NOW X SAM-N-6B) MODEL J-2 M_i = 2.2 SC A_i = 225	9-7-56	49 85 97
85	J (BPD 4550 4600 4271 4280 4813 4814)	NAVY	MISSILE (TALOS 6BW)	SURFACE-TO-AIR MISSILE, IN-LINE CONFIGURATION OF MODEL 85D, PROVISION FOR WING CONTROL DURING BOOST, STOWAGE STRONG POINT AT B.S. 105, WAVEGUIDE INSTALLATION, C-BAND INTELLIGENCE (NOW X SAM-N-6BW) MODEL J-2 M_i = 2.2 SC A_i = 225	9-7-56	49 85 97

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
85	K (BPD 4402)	NAVY	MISSILE (TALOS 6BW1)	SURFACE-TO-AIR MISSILE, DOUBLE CONE INLET VERSION OF MODEL 85G, C-BAND INTELLIGENCE, (NOW X SAM-N-6BW1) MODEL J-2L M_i = 2.73 DC A_i = 360	9-7-56	25 43
85	L (BENDIX 4401 4663)	NAVY	MISSILE (TALOS 6B1)	SURFACE-TO-AIR MISSILE, IN-LINE CONFIGURATION OF MODEL 85F, STOWAGE STRONG POINT AT B.S. 105, MODULAR ELECTRONIC PACKAGING, MODIFIED SINGLE CONE INLET, WING CONTROL DURING BOOST, C-BAND INTELLIGENCE, (NOW X SAM-N-6B1) MODEL J-2L M_i = 3.1 SC A_i = 330	9-7-56	97
85	M (BPD 4402 4663 4401)	NAVY	MISSILE (TALOS 6BW1)	SURFACE-TO-AIR MISSILE, IN-LINE CONFIGURATION OF MODEL 85G, STOWAGE STRONG POINT AT B.S. 105, MODULAR ELECTRONIC PACKAGING, C-BAND INTELLIGENCE, (NOW X SAM-N-6BW1) MODEL J-2L M_i = 2.73 DC A_i = 360	9-7-56	97
85	N (BPD 4401 4663)	NAVY	MISSILE (TALOS 6B1- UNITIZED)	SURFACE-TO-AIR MISSILE, SAME AS MODEL 85L EXCEPT FOR MOUNTING PROVISIONS AFT OF B.S. 105 FOR UNITIZED PACKAGING. (NOW X SAM-N-6B1) MODEL J-2L M_i = 3.1 SC A_i = 330	9-7-56	97 11 15
85	P (BPD 4402 4663 4401)	NAVY	MISSILE (TALOS 6BW1 UNITIZED)	SURFACE-TO-AIR MISSILE, SAME AS MODEL 85M EXCEPT FOR MOUNTING PROVISIONS AFT OF B.S. 105 FOR UNITIZED PACKAGING. (NOW X SAM-N-6BW1) MODEL J-2L M_i = 2.73 DC A_i = 360	9-7-56	97 11 15
85	Q (BPD 4401 4867)	NAVY	MISSILE (TALOS 6B1 UNITIZED)	SURFACE-TO-AIR MISSILE, SAME AS MODEL 85N EXCEPT FOR PROVISIONS FOR DOUBLE CONE INLET (PREPRODUCTION PROTOTYPE) (NOW X SAM-N-6B1) MODEL J-2L M_i = 2.73 DC A_i = 360	9-7-56	43 97

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
85	R (BPD 4852 4854)	NAVY	MISSILES (TALOS 6B1)	SURFACE-TO-AIR MISSILE, HIGH PRODUCTION TALOS, SPUN DIFFUSERS CASTINGS USED. C-BAND INTELLIGENCE, (NOW X SAM-N-6B1) MODEL J-2L M_i = 2.73 DC	9-7-56	(MED) NOT YET ASSIGNED
85	S (BENDIX JS-2001B)	NAVY	MISSILES (TALOS 6A)	SURFACE-TO-AIR MISSILE, SAME AS MODEL 85A EXCEPT FOR CONTRACT ARRANGEMENT AND REVISED BOOSTER FIN. C-BAND INTELLIGENCE, (NOW X SAM-N-6A) MODEL T M_i = 1.76 SC A_i = 205	8-53 (EST.)	(MED) 01-33 09 33
85	SW (APL PL-T-265 AS MOD. BY BPD 4217)	NAVY	MISSILES (TALOS 6AW)	SURFACE-TO-AIR MISSILE, SAME AS MODEL 85W EXCEPT FOR QUICKLY REMOVABLE INNER BODY FORWARD CONE AND ELIMINATION OF ANGLE-OF-ATTACK PROBE. C-BAND INTELLIGENCE, (NOW X SAM-N-6AW) MODEL T M_i = 2.2 SC A_i = 225	8-53 (EST.)	(MED) 01-33 33
85	T (BPD 4661D 4854)	NAVY	MISSILES (TALOS 6BW)	SURFACE-TO-AIR MISSILE. HIGH PRODUCTION TALOS, HYDRO-SPUN COWL, SPUN INNER BODY NOSE AND AFT CONE. C-BAND INTELLIGENCE (NOW X SAM-N-6BW) MODEL J-2L M_i = 2.73 DC A_i = 360	9-7-56	(MED) NOT YET ASSIGNED
85	U (BPD 4870)	NAVY	MISSILE (TALOS 6BW1A UNITIZED)	SURFACE-TO-AIR MISSILE. HOMING VERSION OF MODEL 85J (6BW), UNITIZED AFT SECTION, MODULAR ELECTRONIC PACKAGING, PROVISIONS FOR STAFFUS, PROVISION FOR CONTACT FUSE, C-BAND INTELLIGENCE. MODEL J-2L M_i = 2.73 DC A_i = 360	9-7-56	(MED) 25 397

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
85	V	NAVY	MISSILE (LONG RANGE TYPHON MISSILE)	SURFACE-TO-AIR MISSILE. COMPLETELY NEW VERSION OF TALOS AIRFRAME. MODULAR ELECTRONIC PACKAGING. NOT YET DETERMINED. (PROBLEM STATEMENT MCDONNELL-1-V, MCDONNELL-1-W, MCDONNELL-1-X, MCDONNELL-1-Y (MCDONNELL REPORT 7513))	9-7-56	(MED) 25 303
85	W (NOTES OF COORD. MTG. WITH JHAPL & OTHERS)	NAVY	MISSILE	SURFACE-TO-AIR MISSILE. SAME AS MODELS 85 AND 85A EXCEPT WITH NEW FORWARD BODY CONTAINING FUNDAMENTALLY DIFFERENT ELECTRONIC AND WARHEAD INSTALLATION. REVISED BOOSTER, C-BAND INTELLIGENCE, (NOW X SAM-N-6AW) MODEL T M_i = 2.2 SC A_i = 225	11-29-52	(MED) 01-26 325
85	X	NAVY	TEST MISSILE	LAUNCHER TEST VEHICLE, VERSION OF MODEL 85W, SAME AS MODEL 85W EXCEPT WITH 233-A2 BOOSTER AND 76.6 INCH BOOSTER FINS. INTELLIGENCE OMITTED. NONE (PROBLEM STATEMENT MCDONNELL-1-C)	12-17-56	(MED) 325
85	Y (BPD 4401 4402)	NAVY	MISSILE (TALOS 6BW1 UNITIZED)	SURFACE-TO-AIR MISSILE. PROTOTYPE VERSION OF MODEL 85T. UNITIZED AFT SECTION. STEEL HYDROSPUN DIFFUSER. MODULAR ELECTRONIC PACKAGING. BEAM RIDING GUIDANCE ONLY - NO HOMING. MODEL J-2L	12-17-56	(MED) 325
85	Z (BPD 4867)	NAVY	MISSILE (TALOS 6B1 UNITIZED)	SURFACE-TO-AIR MISSILE. SIMILAR TO MODEL 85N, IN-LINE CONFIGURATION. MODULAR ELECTRONIC PACKAGING, MOUNTING PROVISIONS AFT OF B.S. 105 FOR UNITIZED PACKAGING. HOGGED-OUT PARTS UTILIZED IN FORWARD SECTION. STOWAGE STRONG POINT AT B.S. 105. PROVISION FOR WING CONTROL DURING BOOST. MOUNTING PROVISION FOR STAPFUS. C-BAND INTELLIGENCE (NOW X SAM-N-6B1) MODEL J-2L M_i = 2.73 DC A_i = 360	3-5-57	(MED) 397

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
85	AA	NAVY	MISSILE (TALOS 6C1)	SURFACE-TO-AIR MISSILE. SINGLE STAGE, LONG RANGE, C.W.I. GUIDANCE, WEIGHT REDUCTION ACCOMPLISHED BY USE OF MAGNESIUM AND A REDUCTION IN GAUGE THICKNESS. MODEL J-2LB RAMJET (LIQUID PROPELLANT)	7-21-58	(MED) 397 612 613 805
85	AB SN9-20	NAVY	MISSILE TYPHON LR	SURFACE-TO-AIR MISSILE. TWO STAGE, C.W.I. GUIDANCE, REDESIGNED FORWARD SECTION, WINGS DELETED AT 3RD ARTICLE (SN-11) RAMJET (SOLID PROPELLANT)	3-9-61	(MED) 397 612 613 805
85	AC	NAVY	TYPHON LR	PROJECT CANCELLED.		

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
86	- (SD-497)	NAVY	HELICOPTER	CARGO-UNLOADER HELICOPTER TWO-PLACE: PILOT AND HOISTING PILOT TWO 3-BLADED ROTER OR 75 FT. DIAMETER WITH 17,000 LBS. PRESSURE JET NORMAL PAYLOAD - 25,000 LBS. OVERLOAD PAYLOAD (NOW XHCH-1) TWO TURBO-PROP YT56-A-2	3-51 (EST.)	01-19 24 01-64
86	A	ARMY	HELICOPTER	ARMY TROOP TRANSPORT HELICOPTER TWO TURBO-PROP YT56-4-2	11-53 (EST.)	24-
86	B	NAVY	HELICOPTER	CARGO-UNLOADER HELICOPTER OPTIMIZED VERSION OF XHCH-1 SAME AS MODEL 86 EXCEPT WITH INCREASED PAYLOAD AND 90 FT. DIAMETER ROTER (PROPOSED XHCH-PROP YT56-A-2)	2-14-56	24-
87	-	NAVY	AIRPLANE-FIGHTER	PROPOSED HIGH PERFORMANCE LONG RANGE NAVY FIGHTER	6-51 (EST.)	01-21 2123
88	NOT USED					
89	A		MISSILE	AIR-TO-AIR MISSILE AUTO-GUIDANCE BEAM RADAR	1-52 (EST.)	F.O. 8881-039
89	B		MISSILE	AIR-TO-AIR MISSILE AUTO-GUIDANCE INFRARED SEEKER	1-52 (EST.)	F.O. 8881-039
90	-	NAVY	AIRPLANE-FIGHTER (COMPETITION OS-130-3)	DAY FIGHTER SINGLE PLACE STRAIGHT WING - 4.5% WING AREA = 305 SQ. FT. LENGTH = 48.25 FT. INTERNAL FUEL = 1216 GALS. (MAXIMUM) FOUR 20MM GUNS ONE TURBO-JET J57-P-(JT3N) MCDONNELL REPORT 2800, 2803)	5-52 (EST.)	01-28
91	-	NAVY	AIRPLANE-FIGHTER (COMPETITION OS-130-3)	DAY FIGHTER STRAIGHT WING - 4.5% WING AREA = 268 SQ. FT. LENGTH = 48.67 FT. INTERNAL FUEL = 825 GALS. FOUR 20MM GUNS ONE TURBO-JET J65-W-(TJ31B3) (MCDONNELL REPORT 2800)	5-52 (EST.)	01-28

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
92	A	USAF	MISSILE	AIR-TO-AIR GUIDED MISSILE BOMBER LAUNCHED ROCKET (MCDONNELL REPORT 3194)	7-52 (EST.)	26 01-63
92	B	USAF	MISSILE	SAME AS MODEL 92A EXCEPT WITH HEAVIER TYPE WARHEAD(BDM SYSTEM 126B) ROCKET (MCDONNELL REPORT 3602)	5-54 (EST.)	26 01-63
92	C	USAF	MISSILE	AIR-TO-AIR GUIDED MISSILE BOMBER LAUNCHED CONFIGURATION CHANGES FROM MODEL 92A INCLUDING DIFFERENT SHAPE, THICK WING, AND LARGER SIZE. HEAVIER TYPE ENGINE. (BDM SYSTEM 132A) ROCKET	6-25-56	78
93	-	NAVY	AIRPLANE-FIGHTER (COMPET-TION OS-130-1	DAY FIGHTER STRAIGHT WING - 4.5% ONE TURBO-JET J57-P-(JT3N)	5-52 (EST.)	01-28
94	-	USAF	AIRPLANE-STRATEGIC FIGHTER	LONG RANGE STRATIGIC FIGHTER VARIOUS WING AND ENGINE CONFIGURATIONS RESULTED IN MODEL 36AE SERIES TWO TURBO-JET YJ-67-W-1 OR XJ79	3-53 (EST.)	6010-02 19-80
95	A	NAVY (BUORD)	MISSILE TRITON	SURFACE TO SURFACE MISSILE BASED ON TALOS POWER PLANT LONG RANGE (XSSM-N-2) RAMJET (MCDONNELL REPORT 4508)	6-53 (EST.)	01-31, 25 74 89
96	-	USAF	WEAPON	LARGE EXTERNAL WEAPON (FOR USE WITH F-101A) NONE (MCDONNELL REPORT 3182, 3395, 3481)	7-10-53	19-89

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
96	A	USAF	WEAPON	TEST WEAPON -"A" CONFIGURATION - WITH B-47 NONE (MCDONNELL REPORT 3195)	7-10-53	19-89
96	B	USAF	WEAPON	TEST WEAPON - "B" CONFIGURATION - WITH F-101A NONE (MCDONNELL REPORT 3195)	7-10-53	19-89
96	C	USAF	WEAPON	TEST WEAPON - "C" CONFIGURATION - WITH F-101A NONE (MCDONNELL REPORT 3195)	7-10-53	19-89
96	D	OPEN				
96	E	USAF	WEAPON	LARGE EXTERNAL WEAPON ESSENTIALLY SAME SHAPE AS MODEL 96. DIFFERENT WARHEAD. NONE	2-9-54	19-89-051
96	F	USAF	WEAPON	LARGE EXTERNAL WEAPON SHORTER SHAPE THAN MODEL 96. WARHEAD SAME AS MODEL 96E. NONE	2-9-54	19-89-051
96	G	USAF	WEAPON	LARGE EXTERNAL WEAPON - IDENTICAL TO MODEL 96 WITH STRUCTURAL PROVISIONS FOR EITHER OF TWO WARHEADS NONE	12-16-54	19-89-051
97	-	NAVY (BUAER)	MISSILE (COMPETITION OS-133)	AIR TO SURFACE MISSILE SHORT RANGE BEAM RIDER FOR USE AGAINST TARGETS OF OPPORTUNITY ROCKET (MCDONNELL REPORT 3281, 3282)	8-53	01-32
98	A	NAVY	AIRPLANE-ATTACK FIGHTER	ALL WEATHER ATTACK FIGHTER SINGLE-PLACE 45° SWEPTBACK WING - 5.0% WING AREA = 450 SQ. FT. LENGTH = 56 FT. INTERNAL FUEL - 1703 GALS. FOUR 20MM GUNS (PROPOSED F3H-E) ONE TURBO-JET J67-W-1 (MCDONNELL REPORT 3250)	8-25-53	10-12-051

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	B	NAVY	AIRPLANE-ATTACK FIGHTER	ALL WEATHER ATTACH FIGHTER SINGLE-PLACE 45° SWEPTBACK WING - 5.0% WING AREA = 530 SQ. FT. LENGTH = 56 FT. INTERNAL FUEL - 1972 GALS. FOUR 20MM GUNS AERO 11B FIRE CONTROL SYSTEM (PROPOSED F3H-G) (PROPOSED AH-1) TWO TURBO-JET J79-GE-2 (MCDONNELL REPORT 3238, 3250, 3286, 3328, 3398, 3401)	8-25-53	10-12-051 01-35, 38
98	B-600	NAVY	AIRPLANE-ATTACK FIGHTER	SAME AS 98B EXCEPT WITH WING AREA OF 600 SQ. FT. 6.0% - 2.0% TWO TURBO-JET J65-W-1 (MCDONNELL REPORT 3286)	10-14-53	01-35
98	C	NAVY	AIRPLANE-ATTACK FIGHTER	SAME AS 98B EXCEPT WITH 60° DELTA WING TWO TURBO-JET J65-W-6 (ALT. SPACE PROV. FOR J79-GE)	8-25-53	10-12-051
98	D	NAVY	AIRPLANE-ATTACK FIGHTER	SAME AS 98B EXCEPT WITH STRAIGHT WING TWO TURBO-JET J65-W-6 (ALT. SPACE PROV. FOR J79-GE)	8-25-53	10-12-051
98	E	NAVY	AIRPLANE-ATTACK FIGHTER	ALL-WEATHER ATTACK FIGHTER SINGLE-PLACE 60° DELTA WING - 3.5% WING AREA = 678 SQ. FT. LENGTH = 50 FT. INTERNAL FUEL = 1370 GALS. FOUR 20MM GUNS (PROPOSED F3H-J) TWO TURBO-JET WAGT PD-24A (MCDONNELL REPORT 3286)	8-25-53	10-12-051 01-35
98	F	NAVY	AIRPLANE-PHOTOGRAPHIC	SAME AS 98B EXCEPT ARMAMENT ITEMS REPLACED BY PHOTOGRAPHIC EQUIPMENT TWO TURBO-JET J79-GE-2 (MCDONNELL REPORT 3250)	8-25-53	10-12-051
98	G	NOT USED				
98	H	NOT USED				
98	J	NOT USED				

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	K	NAVY	AIRPLANE-ATTACK FIGHTER	ALL WEATHER ATTACK FIGHTER 45° SWEPTBACK WING - 4.8% WING AREA = 420 SQ.FT. LENGTH = 53 FT. INTERNAL FUEL = 1226 GALS. (PROPOSED F3H-K) TWO TURBO-JET WAGT PD-24A (MCDONNELL REPORT 3286)	10-22-53	01-35
98	L	NAVY	AIRPLANE-ATTACK	ATTACK VERSION OF MODEL 98A 45° SWEPTBACK WING - 4.44% WING AREA = 450 SQ. FT. LENGTH = 55.5 FT. INTERNAL FUEL = 1536 GALS. (PROPOSED F3H-E2) ONE TURBO-JET J67-W-1 (MCDONNELL REPORT 3570)	5-18-54	01-35-100
98	M	NAVY	AIRPLANE-ATTACK BOMBER	ATTACK BOMBER VERSION OF MODEL 98B TWO-PLACE 45° SWEPTBACK WING - 5% WING AREA = 530 SQ. FT. LENGTH = 58 FT. INTERNAL FUEL = 1972 GALS. INERTIAL BOMBING SYSTEM (MINNEAPOLIS-HONEYWELL) AN/APQ-56 (MODIFIED) RADAR AN/APN-79 NAVIGATIONAL RADAR NO INTERNAL ARMAMENT EXTERNAL STORES TWO TURBO-JET J79-GE-2	6-23-55	38-80-063
98	N	NAVY	AIRPLANE-ATTACK BOMBER	SAME AS MODEL 98M EXCEPT WITH SARTACK RADAR IN LIEU OF AN/APQ-56 AND AN/APN-79 TWO TURBO-JET J79-GE-2	6-23-55	38-80-063
98	P	NAVY	AIRPLANE-ATTACK BOMBER	SAME AS MODEL 98M EXCEPT WITH AN/APQ-50 RADAR IN LIEU OF AN/APN-79 TWO TURBO-JET J79-GE-2	6-23-55	38-80-063
98	Q	NAVY	AIRPLANE-FIGHTER	FIGHTER VERSION OF MODEL 98B SINGLE-PLACE 45° SWEPTBACK WING - 5% WING AREA = 530 SQ. FT. LENGTH = 56 FT. INTERNAL FUEL = 2122 GALS. FOUR SPARROW III MISSILES CARRIED SEMI-SUBMERGED IN FUSELAGE AN/APQ-50 (MODIFIED BY RAYTHEON) FIRE CONTROL RADAR CECM EQUIPMENT TWO TURBO-JET J79-GE-2	6-24-55	38-80-064

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	R	NAVY	AIRPLANE-FIGHTER	FIGHTER VERSION OF MODEL 98B TWO-PLACE 45° SWEPTBACK WING - 5% WING AREA = 530 SQ. FT. LENGTH = 56 FT. INTERNAL FUEL = 1972 GALS. FOUR SPARROW III MISSILES CARRIED SEMI-SUBMERGED IN FUSELAGE AN/APQ-72 FIRE CONTROL SYSTEM CECM REQUIREMENT (NOW F4H-1F) 1 THRU 18 TWO TURBO-JET J79-GE-2 (MCDONNELL REPORT 4465) (SD-513-1) (SD-513-1-1)	6-24-55	38-80-064 338 687 692 701 713 720
98	S	NAVY	AIRPLANE-FIGHTER	F4H-1 FIGHTER WITH SPARROW III OR SPARROW II AND SIDEWINDER 1B OR 1C MISSILE INSTALLATIONS. AIRPLANE LENGTH INCREASED APPROXIMATELY 15 INCHES. FORWARD MISSILE STATIONS MODIFIED FOR CARRIAGE OF TWO SPARROW III OR SPARROW II. AFT MISSILE STATIONS MODIFIED FOR SPARROW III OR SPARROW II OR FOR SIDEWINDER 1B OR 1C. MISSILE CONTROL SYSTEM CHANGES REQUIRED FOR DIFFERENT MISSILE INSTALLATIONS. TWO TURBO-JET J79-GE-2	7-11-56	38-10-069
98	T	NAVY	AIRPLANE-FIGHTER	F4H-1 FIGHTER WITH SPARROW III OR SPARROW II AND SIDEWINDER 1B OR 1C MISSILE INSTALLATIONS. NO INCREASE IN AIRPLANE LENGTH. FORWARD MISSILE STATIONS MODIFIED FOR CARRIAGE OF TWO SPARROW III OR SIDEWINDER 1B OR 1C. AFT MISSILE STATIONS MODIFIED FOR CARRIAGE PF TWP SPARROW III OR SPARROW II. WING MODIFIED AND PYLON REQUIRED FOR EXTERNAL CARRIAGE OF TWO SPARROW II OR SIDEWINDER 1B OR 1C AT FUEL TANK STATIONS. MISSILE CONTROL SYSTEM CHANGES REQUIRED FOR DIFFERENT MISSILE INSTALLATIONS. TWO TURBO-JET J79-GE-2 (MCDONNELL REPORT 4833)	7-19-56	38-10-069
98	U	NAVY	AIRPLANE-FIGHTER	F4H-1 FIGHTER WITH INTERNAL ROCKET BOOST AND HIGH POWER RADAR TWO PLACE AIRPLANE LENGTH INCREASED APPROXIMATELY 36 INCHES NO BASIC STRUCTURAL BEEFUP. RADAR REVISED FOR HIGH POWER FACTOR AND 30 INCH DISH. ROCKET BOOST (XIR40-RM-2) IN AFT FUSELAGE. FUEL CAPACITY INTERNAL: 1465 GAL. JP-5, 600 GAL. H_2O_2 EXTERNAL: TWO 370 GAL. TANK JP-5 ARMAMENT - FOUR SPARROW III MISSILES TAIL WARNING RADAR PROVISIONS REMOVED. TWO TURBO-JET J79-GE-2 PLUS ONE ROCKET ENGINE (MCDONNELL REPORT 5289)	11-15-56	38-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	V	NAVY	AIRPLANE-FIGHTER	F4H-1 FIGHTER WITH INTERNAL ROCKET BOOST AND HIGH POWER RADAR SINGLE PLACE AIRPLANE LENGTH INCREASED APPROXIMATELY 36 INCHES NO BASIC STRUCTURAL BEEFUP RADAR REVISED FOR HIGH POWER FACTOR AND 30 INCH DISH ROCKET BOOST (XIR40-RM-2) IN AFT FUSELAGE FUEL CAPACITY INTERNAL: 1765 GAL. JP-5, 600 GAL. H_2O_2 EXTERNAL: TWO 370 GAL. TANKS JP-5 ARMAMENT - FOUR SPARROW III MISSILES TAIL WARNING RADAR PROVISIONS REMOVED. TWO TURBO-JET J79-GE-2 PLUS ONE ROCKET ENGINE (MCDONNELL REPORT 5289)	12-11-56	38-10-050
98	W	NAVY	AIRPLANE-FIGHTER	F4H-1 WITH IMPROVED ENGINES AIRPLANE LENGTH INCREASED 24 INCHES. INLET DUCTS MODIFIED. AFT FUSELAGE MODIFIED. ENGINE INSTALLATION MODIFIED. NO BASIC STRUCTURAL BEEFUP. INTERNAL FUEL CAPACITY INCREASED 187 GALLONS. ARMAMENT: FOUR SPARROW III MISSILES. TWO TURBO-JET J79-GE-X207A (J79-GE-2 AFTERBURNER SECTION AND 40.5 INCH DIAMETER SHROUD.) (MCDONNELL REPORT 5289)	3-4-57	38-80-067
98	X	NAVY	AIRPLANE-FIGHTER	F4H-1 WITH ADVANCED FIRE CONTROL SYSTEM AND IMPROVED ENGINES AIRPLANE LENGTH INCREASED 6 FEET 11 INCHES. FORWARD COCKPIT RAISED. VERTICAL FIN REDESIGNED CENTER AND AFT FUSELAGE MODIFIED. LANDING GEAR REDESIGNED AND MAIN GEAR WHEEL SIZE INCREASED. ENGINE INSTALLATION MODIFIED. INLET DUCTS MODIFIED. NO BASIC STRUCTURAL BEEFUP. FIRE CONTROL SYSTEM INCLUDES 40 - INCH ANTENNA AND ONE MEGAWATT MAGNETRON. INTERNAL FUEL CAPACITY INCREASED 323 GALLONS. ARMAMENT: FOUR SPARROW III MISSILES. TWO TURBO-JET J79-GE-X207A (J79-GE-2 AFTERBURNER SECTION AND 40.5 INCH DIAMETER SHROUD.) (MCDONNELL REPORT 5289)	3-13-57	38-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	Y	NAVY	AIRPLANE-FIGHTER	F4H-1 WITH GENIE INSTALLATION ON EXTERNAL STORE STATION LOCAL BEEFUP MAY BE REQUIRED. FCS CHANGED. SPECIAL PYLON CONTAINING RAIL LAUNCHER AND CONTROL EQUIPMENT REQUIRED FOR EACH EXTERNAL STATION. TWO TURBO-JET J79-GE-2	4-6-57	38-10-050
98	Z	NAVY	AIRPLANE ATTACK	F4H-1 ATTACH VERSION WITH AN/ASB-8 BOMB DIRECTING SET AIRPLANE LENGTH INCREASED 6.06 INCHES. FUSELAGE NOSE CHANGED. EQUIPMENT REMOVED: AN/APQ-72, AN/APA-128 INFRARED SYSTEM AN/AJB-3 NAVIGATION COMPUTER MISSILES AND ACCESSORIES EXTERNAL STORE(S) CARRIED. TWO TURBO-JET J79-GE-2	5-2-57	38-80-067
98	AA	NAVY	AIRPLANE-ATTACK	F4H-1 ATTACK VERSION WITH IMPROVED ENGINES AND AN/ASB-8 BOMB DIRECTING SET. AIRPLANE LENGTH INCREASED 24 INCHES. FUSELAGE NOSE CHANGED. AFT FUSELAGE MODIFIED. INLET DUCTS MODIFIED. ENGINE INSTALLATION MODIFIED. NO BASIC STRUCTURAL BEEFUP. EQUIPMENT REMOVED: AN/APQ-72, AN/APA-128 INFRARED SYSTEM AN/AJB-3 NAVIGATION COMPUTER MISSILES AND ACCESSORIES EXTERNAL STORE(S) CARRIED. INTERNAL FUEL CAPACITY INCREASED 187 GALLONS. TWO TURBO-JET J79-GE-X207A (J79-GE-2 AFTERBURNER SECTION AND 40.5 INCH DIAMETER SHROUD.)	5-2-57	38-80-067
98	AB	NAVY	AIRPLANE-ATTACK	F4H-1 ATTACH VERSION WITH NAA BOMBING - NAVIGATION SYSTEM. AIRPLANE LENGTH INCREASED 19.5 INCHES FUSELAGE NOSE CHANGED. NAA SYSTEM CONSISTS OF: AN/APS - 60 BOMBING SYSTEM NAA: N5A NAVIGATION SYSTEM EQUIPMENT REMOVED: AN/APQ-72, AN/APA-128 INFRARED SYSTEM AN/AJB-3 NAVIGATION COMPUTER MISSILE AND ACCESSORIES EXTERNAL STORE(S) CARRIED. TWO TURBO-JET J79-GE-2	5-20-57	38-10-050
98	AC	NAVY	AIRPLANE-FIGHTER	F4H-1 WITH 30-INCH ANTENNA AND AN/APQ-72 FCS. AIRPLANE LENGTH INCREASED 8.75 INCHES FUSELAGE NOSE REDESIGNED AND MINOR CHANGES REQUIRED IN ADJOINING AREAS. TWO TURBO-JET J79-GE-2 (MCDONNELL REPORT 5403)	5-23-57	38-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	AD	USAF	AIRPLANE-INTERCEPTOR	AIR FORCE INTERCEPTOR VERSION OF F4H. TWO-PLACE AIRPLANE LENGTH INCREASED APPROXIMATELY 82 INCHES. FORWARD COCKPIT RAISED AND CANOPY CONTOUR CHANGED. CARRIER OPERATION EQUIPMENT REMOVED. VERTICAL FIN REDESIGNED. INLET DUCTS MAY BE CHANGED. LANDING EDGE FLAPS REMOVED. ENGINE INSTALLATION MODIFIED. LANDING GEAR REDESIGNED AND MAIN WHEEL SIZE INCREASED TO 34 X 9.9. ARMAMENT CONSISTS OF: GAR-Z/4 MISSILES CARRIED EXTERNALLY. PULSE-DOPPLER FCS WITH 40-INCH ANTENNA. TWO TURBO-JET J79-GE-X207A (J79-GE-2 AFTERBURNER SECTION AND 40.5 INCH DIAMETER SHROUD.)	6-14-57	45-10-050
98	AE	USAF	AIRPLANE-INTERCEPTOR	AIR FORCE INTERCEPTOR VERSION OF F4H SAME AS MODEL 98 AD EXCEPT WITH FUSELAGE CHANGES FOR LARGER ENGINES. TWO TURBO-JET J79-GE-X279	6-14-57	45-10-050
98	AF	NAVY	AIRPLANE-FIGHTER	F4H-1 WITH SPARROW-X OR MB-1 MISSILES STRUCTURAL CHANGES AND PYLONS REQUIRED FOR CARRIAGE OF MISSILES AT B.L. 81.50 AND 132.50 AERO X1A FCS CHANGES FOR COMPATABILITY WITH MISSILES. TWO TURBO-JET J79-GE-2 (MCDONNELL REPORT EN-149)	6-18-57	38-10-050
98	AG	NAVY	AIRPLANE-FIGHTER	ADVANCED FIGHTER VERSION OF F4H-1 (F4H-2) TWO-PLACE AIRPLANE LENGTH: 59 FT. 6 IN. FORWARD COCKPIT RAISED 9 INCHES AND AFT COCKPIT RAISED 5 INCHES. VERTICAL FIN AREA INCREASED APPROXIMATELY 14%. LOCAL WING CHANGES TO ACCOMMODATE LARGER WHEEL - 30 X 9.9 INLET DUCTS MODIFIED. STRUCTURAL BEEFUP INCORPORATED. MATERIAL AND AIR-CONDITIONING CHANGES FOR THERMAL EFFECTS. ARMAMENT - PRIMARY: TWO MB-1 FORWARD TWO SPARROW III AFT MISSILE CONTROL SYSTEM CONSISTS OF AERO IIC WITH 40-INCH ANTENNA, (ARIES IIN CAN BE USED WITH LESS INTERNAL FUEL) INTERNAL FUEL CAPACITY INCREASED 134 GALLONS. TWO TURBO-JET J79-GE-X207A (MODIFIED: J79-GE-2 AFTERBURNER WITH 40.5 INCH DIAMETER EXHAUST NOZZLE.) (MCDONNELL REPORT EN-147, EN-160)	8-13-57	87-10-050

MCDONNELL MODEL NUMBERS 1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	AH	NAVY	AIRPLANE-FIGHTER	ADVANCED FIGHTER VERSION OF F4H-1 (F4H - STEP 2) TWO-PLACE AIRPLANE LENGTH: 62 FT. 3.9 IN. FORWARD COCKPIT RAISED 9 INCHES. LOCAL WING AREA CHANGED TO ACCOMMODATE LARGER MAIN WHEEL. INLET DUCTS MODIFIED. STRUCTURAL BEEFUP INCORPORATED. VERTICAL FIN CHANGED TO AN ALL-MOVABLE SURFACE ARMAMENT - TWO SPARROW III AND TWO SPARROW X MISSILES. MISSILE CONTROL SYSTEM CONSISTS OF A PULSE-DOPPLER SYSTEM WITH 40-INCH ANTENNA. FUSELAGE CHANGES FOR LARGER ENGINES. INTERNAL FUEL CAPACITY INCREASED. TWO TURBO-JET J79-GE-X279A (MCDONNELL REPORT EN-147)	8-13-57	87-10-050
98	AI	NAVY	AIRPLANE-FIGHTER	ADVANCED FIGHTER VERSION OF F4H-1 (F4H-2) TWO-PLACE AIRPLANE LENGTH: 62 FT. 0 IN. FORWARD COCKPIT RAISED 9 INCHES AND AFT COCKPIT RAISED 5 INCHES. VERTICAL FIN AREA INCREASED APPROXIMATELY 14% MAIN GEAR SIZE: 32 X 8.8 INLET DUCTS MODIFIED. LOW-DRAG RADOME. STRUCTURAL BEEFUP INCORPORATED. MATERIAL AND AIR-CONDITIONING CHANGES FOR THERMAL EFFECTS ARMAMENT - PRIMARY: TWO SPARROW III - FORWARD TWO SPARROW III - AFT MISSILE CONTROL SYSTEM: AERO IIC WITH 40-INCH ANTENNA (ARIES IIN CAN BE USED WITH LESS INTERNAL FUEL). INTERNAL FUEL CAPACITY INCREASED 134 GALLONS. TWO TURBO-JET J79-GE-X207A (MODIFIED: J79-GE-2 AFTERBURNER WITH 40.5 INCH DIAMETER EXHAUST NOZZLE) (MCDONNELL REPORT EN-160)	9-20-57	87-10-050
98	AJ	NAVY	AIRPLANE-FIGHTER	ADVANCED FIGHTER VERSION OF F4H-1 (F4H-2) TWO-PLACE AIRPLANE LENGTH: 62 FT. 0 IN. CANOPY FLUSH WITH UPPER FUSELAGE SHEER: COCKPIT FLOOR LOWERED. FUSELAGE NOSE HINGED FOR DOWNWARD IN-FLIGHT ROTATION. VERTICAL FIN AREA INCREASED APPROXIMATELY 14%. MAIN GEAR SIZE: 32 X 8.8 INLET DUCTS MODIFIED. LOW-DRAG RADOME. STRUCTURAL BEEFUP INCORPORATED. MATERIAL AND AIR-CONDITIONING CHANGES FOR THERMAL EFFECTS. ARMAMENT - PRIMARY: TWO SPARROW III - FORWARD TWO SPARROW III - AFT MISSILE CONTROL SYSTEM: AERO IIC WITH 40-INCH ANTENNA (ARIES IIN CAN BE USED WITH LESS INTERNAL FUEL). INTERNAL FUEL CAPACITY INCREASED 134 GALLONS. NAA EJECTION SEATS. TWO TURBO-JET J79-GE-X207A (MODIFIED J79-GE-2 AFTERBURNER WITH 40.5 INCH DIAMETER ECHAUST NOZZLE) (MCDONNELL REPORT EN-160)	9-20-57	87-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	AK	NAVY	AIRPLANE RECONNAIS-SANCE	ALL WEATHER RECONNAISSANCE VERSION OF F4H-1 (F4H-1P) TWO-PLACE AIRPLANE LENGTH: 58 FT. 4.23 IN. FUSELAGE NOSE FORWARD OF F.S. 77 CHANGED. FORWARD AND AFT MISSILE PROVISIONS REMOVED. AERO X1A AMCS, CADC, AN/AJB-3, AND NAVIGATION COMPUTER REMOVED. EQUIPMENT AND COCKPIT AREAS REVISED FOR FOLLOWING RECONNAISSANCE EQUIPMENT: a) AN/ARC-58 b) AN/APN-116 c) INERTIAL NAVIGATION SYSTEM (LITTON) d) AN/APQ-55 (BRIGHT DISPLAY FOR R.O.) e) NASARR f) INTEGRATED BRIGHT DISPLAY AND RECORDER UNIT g) TWO EXTERNAL ANTENNA PODS CAMERA EQUIPMENT ADDED: a) STERO TV VIEWFINDER WITH CAMERA BLISTERS. b) CAMERA CONTROL SYSTEM c) DAY CAMERAS: ONE KA-30: 9 INCH ONE KA-30: 12 INCH THREE KA-30: 6 INCH d) NIGHT CAMERAS: TWO KA-X: CONTINUOUS STRIP STERO ONE INFRARED DETECTION SYSTEM LANDING GEAR STRENGTHENED INTERNAL FUEL CAPACITY INCREASED 98 GALLONS. ALTERNATE EQUIPMENT: 1) CENTERLINE POD WITH ELINT EQUIPMENT. 2) CENTERLINE POD FOR CONTINUOUS TERRAIN LIGHT BANK. TWO TURBO-JET J79-GE-2 (MCDONNELL REPORT 5821)	9-25-57	01-82 87-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	AL	NAVY	AIRPLANE-FIGHTER	F4H AIRPLANE WITH EAGLE MISSILE (F4H-X). TWO-PLACE AIRPLANE LENGTH: 65 FT. 6.85 IN. FUSELAGE NOSE HINGED FOR IN-FLIGHT DOWNWARD ROTATION. FORWARD COCKPIT RAISED 23 INCHES. WING AREA INCREASED 16%. STABILATOR AREA INCREASED 35%. VERTICAL FIN AREA INCREASED 25%. MAIN WHEEL SIZE INCREASED TO 32 X 8.8. BASIC ARMAMENT CONSISTS OF: TWO EAGLE MISSILES SEMISUBMERGED IN FORWARD FUSELAGE. TWO EAGLE MISSILES SEMISUBMERGED IN AFT FUSELAGE WITH POD FAIRING. TWO EAGLE MISSILES ON WING AT B.L. 81.50. FIRE CONTROL SYSTEM CONSISTS OF MULTIPLE-TRACKING PULSE-DOPPLER RADAR WITH 54-INCH ANTENNA. MATERIAL AND AIR-CONDITIONING CHANGES FOR THERMAL EFFECTS. PRIMARY STURCTURE STRENGTHENED. TWO TURBO-JET J79-GE-10 (MCDONNELL REPORT EN-160	11-8-57	01-81
98	AM	NAVY	AIRPLANE-FIGHTER	F4H AIRPLANE WITH 32-INCH RADAR ANTENNA. TWO-PLACE AIRPLANE LENGTH 57 FT. 8.03 IN. FUSELAGE NOSE REDESIGNED WITH MINOR CHANGES IN ADJOINING AREAS. HYDRAULIC DRIVE FOR REDAR ANTENNA ADDED. DUAL FLIGHT CONTROL PROVISIONS WITH RAISED CANOPY MAY BE PROVIDED. F4H-1F: J79-GE-2 #19 - 47, F4H-1: J79-GE-8 #48 - UP TWO TURBO-JET J79-GE-2 OR J79-GE-8 SD-513-1-1, SD-513-1-2, SD-513-1-3, SD-513-1-4, SD-513-1-5, SD-513-1-6, SD-513-1-7, SD-513-1-8	11-21-57	87-10-050
98	AN	USAF	AIRPLANE-FIGHTER	AF ALL-WEATHER FIGHTER VERSION OF F4H-1. TWO-PLACE. AIRPLANE LENGTH: 57 FT. 7.33 IN. DUAL CONTROL PROVISION WITH RAISED CANOPY. REMOVED: CARRIER OPERATION EQUIPMENT. BOUNDARY LAYER CONTROL AN/APN-22, DRAG CHUTE ADDED. AN/USC-2 DATA LINK ADDED. IMB-1 AUXILIARIES ADDED. AN/APQ-72 RADAR WITH 32-INCH ANTENNA. PRIMARY ARMAMENT: FOUR SPARROW III MISSILES. TWO SPARROW III MISSILES AT B.L. 81.50 ALTERNATE ARMAMENT: (NOT INTERCHANGEABLE) TWO GAR-3/4 MISSILES. FOUR SIDEWINDERS OR TWO MB-1/IMB-1 ROCKETS AT B.L. 81.50. INTERNAL FUEL CAPACITY INCREASED. TWO TURBO-JET J79-GE-2A (MCDONNELL REPORT 5907)	1-29-58	83-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	AP	USAF	AIRPLANE-FIGHTER	AF ALL-WEATHER FIGHTER VERSION OF F4H-2 TWO-PLACE AIRPLANE LENGTH: 62 FT. 0 IN. DUAL CONTROL PROVISION WITH RAISED CANOPY. REMOVED: CARRIER OPERATION EQUIPMENT BOUNDARY LAYER CONTROL AN/APN-22 DRAG CHUTE ADDED AN/USC-2 DATA LINK ADDED. LOW LEVEL EJECTION SEATS. VERTICAL FIN AREA INCREASED. MAIN LANDING GEAR SIZE CHANGED TO 32 X 8.8. MA-1 FCS WITH MOPA AND 40-INCH ANTENNA. PRIMARY ARMAMENT: TWO IMB-1 ROCKETS TWO GAR-3/4 MISSILES ALTERNATE ARMAMENT: TWO GAR-3Y MISSILES FOUR SIDEWINDER 1C MISSILES AT B.L. 81.50 INTERNAL FUEL CAPACITY DECREASED. TWO TURBO-JET J79-GE-10A (MCDONNELL REPORT 5907)	1-29-58	83-10-050
98	AQ	NAVY	AIRPLANE-FIGHTER	ADVANCED FIGHTER VERSION OF F4H-1 (F4H-2) TWO-PLACE AIRPLANE LENGTH: 62 FT. 0 IN. FORWARD COCKPIT RAISED 9 INCHES AND AFT COCKPIT RAISED 5 INCHES MAIN LANDING GEAR SIZE CHANGED TO 32 X 8.8. INLET DUCTS MODIFIED VERTICAL FIN AREA INCREASED 14%. STRUCTURAL BEEFUP INCORPORATED. MISSILE CONTROL SYSTEM: AERO IIC WITH 40-INCH ANTENNA (ARIES IIN CAN BE USED WITH LESS INTERNAL FUEL.) ARMAMENT: FOUR SPARROW III MISSILES. MATERIAL AND AIR-CONDITIONING CHANGES FOR THERMAL EFFECTS. INTERNAL FUEL CAPACITY INCREASED 134 GALLONS. NAA EJECTION SEATS. TWO TURBO-JET X207A (MODIFIED J79-GE-2 AFTERBURNER WITH 40.5-INCH DIAMETER EXHAUST NOZZLE) (MCDONNELL REPORT EN-160)	3-19-58	87-10-050
98	AR	NAVY	AIRPLANE-FIGHTER	ADVANCED FIGHTER VERSION OF F4H-1 (F4H/44) TWO-PLACE AIRPLANE LENGTH: 61 FT. 6 IN. FORWARD COCKPIT RAISED 16 INCHES. MAIN LANDING GEAR SIZE CHANGED TO 32 X 8.8. NOSE LANDING GEAR SIZE: 22 X 5.5 (SINGLE WITH CATAPULT EXTENSION.) INLET DUCTS MODIFIED. WING AREA INCREASED 17%. STABILATOR AREA INCREASED 15% WITH ELEVATOR. VERTICAL FIN AREA INCREASED 50% WITH FOLDING TIP. STRUCTURAL BEEFUP INCORPORATED. MISSILE CONTROL SYSTEM: TRACK-WHILE-SCAN RADAR WITH 44-INCH ANTENNA AN/ANG-7 ARMAMENT: FOUR EAGLE MISSILES MATERIAL AND AIR-CONDITIONING CHANGES FOR THERMAL EFFECTS. INTERNAL FUEL CAPACITY: 2060 GALLONS. TWO TURBO-JET J79-GE-10A (MCDONNELL REPORT EN-160, 6044, 6207	3-19-58	87-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	AS	NAVY	AIRPLANE-ATTACK	ALL WEATHER ATTACH VERSION OF F4H-1 TWO-PLACE AIRPLANE LENGTH: 57 FT. 7.33 IN. PROVISIONS ADDED TO PERMIT INSTALLATION OF AN ATTACK EQUIPMENT PACKAGE IN LIEU OF AMCS AERO 1A. ATTACK EQUIPMENT PACKAGE CONSISTS OF: a) NASARR RADAR WITH 17 X 24 ANTENNA b) AN/APN-105 RADAR c) E-30 BOMBING SYSTEM ARMAMENT: SPARROW III MISSILE REMOVED. EXTERNAL STORES CARRIED ON FIVE STATIONS. TWO TURBO-JET J79-GE-2 (MCDONNELL REPORT 6206)	5-16-58	87-10-050
98	AT	NAVY	AIRPLANE-ATTACK	ATTACK VERSION OF F4H-1 TWO-PLACE AIRPLANE LENGTH: 57 FT. 7.33 IN. AN/ASB-8 BOMB DIRECTING SET IN LIEU OF AERO 1A AMCS. EXTERNAL STORES CARRIED IN LIEU OF SPARROW III MISSILES. TWO TURBO-JET J79-GE-2	6-10-58	87-10-050
98	AU	NAVY	AIRPLANE ATTACK	ATTACK VERSION OF F4H-1 (F4H-1A) TWO-PLACE AIRPLANE LENGTH: 57 FT. 7.33 IN. AIR-CONDITIONING SYSTEM CHANGES. INLET DUCTS MODIFIED. AN/ASB-8 BOMB DIRECTING SET IN LIEU OF AERO 1A AMCS. EXTERNAL STORES CARRIED IN LIEU OF SPARROW III MISSILES. TWO TURBO-JET J79-GE-10A	6-13-58	87-10-050
98	AV	NAVY	AIRPLANE-ATTACK	ATTACK VERSION OF F4H-1 (F4H-2) TWO-PLACE AIRPLANE LENGTH: 59 FT. 1.33 IN. AIR-CONDITIONING SYSTEM CHANGES. INLET DUCTS MODIFIED. FIN AREA INCREASED WITH FOLDING TIP. MAIN GEAR SIZE: 32 X 8.8 AN/ASB-8 BOMB DIRECTING SET IN LIEU OF AERO 1A AMCS. EXTERNAL STORES CARRIED IN LIEU OF SPARROW III MISSILES.	6-13-58	87-10-050
98	AW	NAVY	AIRPLANE FIGHTER	IMPROVED ALL-WEATHER FIGHTER VERSION OF F4H-1 (F4H/36) TWO-PLACE AIRPLANE LENGTH: 60 FT. 5.5 IN. FORWARD FUSELAGE MODIFIED. FIN AREA INCREASED 50% WITH FOLDING TIP. INLET DUCTS MODIFIED. MATERIAL AND AIR-CONDITIONING CHANGES FOR THERMAL EFFECTS. MAIN GEAR SIZE: 32 X 8.8 NOSE GEAR SIZE: 22 X 5.5 (SINGLE) WITH CATAPULT EXTENSION. AN/AWG-7 MISSILE CONTROL SYSTEM WITH 36-INCH DIAMETER ANTENNA. ARMAMENT: FOUR SPARROW III MISSILES. TWO TURBO-JET J79-GE-10A (MCDONNELL REPORT 6326)	6-30-58	87-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	AX	USAF (AMC LETTER LMT 9-29-58)	AIRPLANE STRIKE RECONNAIS-SANCE	F4H TACTICAL STRIKE RECONNAISSANCE AIRPLANE BASIC TWO-PLACE F4H-1 WITH FOLLWOING MODIFICATIONS: (1) MINOR FUSELAGE CHANGES TO ACCOMMODATE EQUIPMENTS. (2) NASA AMES 10° - 14° INLET DUCT RAMPS. (3) INTEGRATED COCKPIT DISPLAY. (4) ADDITIONAL FUSELAGE STORE STATION. (5) LARGER (32 X 11.5) MAIN LANDING GEAR WHEEL AND TIRES. (6) REMOVAL OF TAIL HOOK AND WING FOLDING MECHANISMS. FUEL: INTERNAL - 2191 GALLONS, EXTERNAL - 1340 GALLONS. AIRPLANE LENGTH: 58 FT. 3 IN. TWO TURBO-JET J79-GE-8 (MCDONNELL REPORT 6396)	9-26-58	90-10-051
98	AY	NAVY	AIRPLANE FIGHTER	IMPROVED ALL-WEATHER FIGHTER VERSION OF F4H-1 (MODIFIED F4H/36) TWO-PLACE AIRPLANE LENGTH: 59 FT. 5.5 IN. FUSELAGE MODIFIED FWD. OF F.S. 249.65. FIN AREA INCREASED 50% WITH FOLDING TIP. INLET DUCTS MODIFIED - 10° - 14° RAMPS. MATERIAL AND AIR-CONDITIONING CHANGES FOR THERMAL EFFECTS. AN/AWG-7 MISSILE CONTROL SYSTEM WITH 36-INCH DIAMETER ANTENNA. MAIN GEAR SIZE: 32 X 8.8. NOSE GEAR SIZE: 22 X 5.5 (SINGLE) WITH CATAPULT EXTENTION. ARMAMENT: FOUR SPARROW III MISSILES. TWO TURBO-JETS J79-GE-8 (MCDONNELL REPORT 6326)	10-7-58	87-10-050
98	AZ	NAVY	AIRPLANE FIGHTER	ADVANCED F4H-2 AIRPLANE. TWO-PLACE AIRPLANE LENGTH: 59 FT. 5.5 IN. FIN AREA INCREASED APPROXIMATELY 50%. DUCT RAMP DEFLECTIONS INCREASED TO 10° - 14°. MAIN GEAR: 30 X 9.5. NOSE GEAR: DUAL 18 X 5.5 (EXTENDED 48 IN.) AN/AWG-7 MISSILE CONTROL SYSTEM WITH 36 IN. DIAMETER ANTENNA. ARMAMENT: SAME AS F4H-1 PLUS IMPROVED SPARROW III. NADAR VIII UTILIZED TO RECORD FIRE CONTROL SYSTEM SIGNALS. TWO TURBO-JETS J79-GE-8 (MCDONNELL REPORT 6605)	1-21-59	87-10-051

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	BA	NAVY	AIRPLANE FIGHTER	ADVANCED F4H-2 AIRPLANE TWO-PLACE. AIRPLANE LENGTH: 60 FT. 1.5 IN. FIN AREA INCREASED ABOUT 50%. DUCT RAMP DEFLECTIONS INCREASED TO 10° - 14°. MAIN GEAR: 30 X 9.5. NOSE GEAR: DUAL 18 X 5.5 (EXTENDED 48 IN.) AN/AWG-7 MISSILE CONTROL SYSTEM WITH 36 IN. DIAMETER ANTENNA. ARMAMENT: SAME AS F4H-1 PLUS IMPROVED SPARROW III. NADAR VIII UTILIZED TO RECORD FIRE CONTROL SYSTEM SIGNALS. TWO TURBO-JET J79-GE-8	4-29-59	E9222-007
98	BB	RCAF	AIRPLANE STRIKE-FIGHTER	LONG RANGE, ALL WEATHER STRIKE-FIGHTER VERSION OF F4H-1 (F4H-1A) TWO-PLACE PROPOSED EQUIPMENT REPLACES EXISTING FCS AND CONTAINS: * a) NASARRX RADAR b) E-30 COMPUTER c) ARMAMENT: SIDEWINDER ON WING STATIONS * d) SIDEWINDER COMPUTER * e) APN-501 DOPPLER RADAR * f) BULLPUP CONTROLS g) A-81 (AIC-18) INTERCOMMUNICATION * h) AR-102 AMPLEX VOICE TAPE RECORDER * ACCOMPLISHED BY DELETION OF AERO 1A AMCS IN NOSE SECTION. TWO TURBO-JET J79-GE-8 (MCDONNELL REPORT 6815 REVISED 5-20-59)	5-18-59	E9222-018 E9222-038
98	BC	NAVY	AIRPLANE RECONNAIS-SANCE	ADVANCED RECONNASISSANCE VERSION OF F4H-1 (F4H-1P/Q) WITH FOLLOWING CHANGES: a) MODIFIED NOSE SHAPE FOR CAMERA EQUIPMENT b) VIEWFINDER WINDOW FAIRING c) SIDE LOOKING RADAR ANTENNA FAIRINGS. ALTERNATE VERSION OF F4H-1P/Q CARRIES ELINT POD ON FUSELAGE CENTER-LINE STORE STATION. CAN CARRY SPECIAL WEAPONS ADDING ATTACK CAP-ABILITIES WITHOUT LOSS OF NORMAL RECON FUNCTIONS. TWO TURBO-JET J79-GE-8 (MCDONNELL REPORT 6900)	6-10-59	E9222-009 E9222-042
98	BD	USAF	AIRPLANE INTERCEPTOR	ADVANCED INTERCEPTOR VERSION OF THE F4H-2 FOR THE USAF TWO TURBO-JET J79-GE-8	6-30-59	E9222-005

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	BE	USAF (TAC)	AIRPLANE ATTACK	ALL WEATHER ATTACK VERSION OF F4H-1 FOR TAC (F4H-1A). BASIC ELECTRONIC EQUIPMENT VARIED FOR DIFFERENT COST VERSIONS. TWO-PLACE	8-21-59	E9222-030
98	BF	USAF (TAC)	AIRPLANE ATTACK	ALL WEATHER ATTACK VERSION OF F4H-1 FOR TAC (F4H-1A) SINGLE-PLACE SAME AS MODEL 98BE EXCEPT RO REPLACED WITH 275 GALLONS OF FUEL. CANOPY REPLACED WITH QUICK ACCESS DOOR ("SMALLER" CANOPY FOR FRONT ONLY)	8-31-59	E9222-030
98	BG	NAVY (REQUEST FOR ECP. BUWEPS LETTER RA-262-THM:DB SER.NO. 025564 DATED 1-21-60	FIGHTER (F4H-1E)	BASIC F4H-1 AIRPLANE INCORPORATING AN/AWG-7 FIRE CONTROL SYSTEM PER ECP 169. AFFECTS VARIOUS AIRFRAME STRUCTURAL AND ELECTRICAL PARTS OF THE FORWARD AND CENTER FUSELAGES. REASON FOR CHANGE: TO INCREASE THE EFFECTIVENESS OF THE F4H SPARROW AND SIDEWINDER WEAPON SYSTEM BY: a) INCREASING RADAR DETECTING RANGE. b) PROVIDING GREATER CW RANGE FOR THE SPARROW III (AAM-N-6b) MISSILE. c) PROVIDING IMPROVED CCM CAPABILITY. d) IMPROVING LOW ATTITUDE TRACK CAPABILITY. SIZE OF MAIN GEAR WHEELS INCREASED TO 30 X 9.5	9-23-59	E9222-047
98	BH	WEST GERMANY	AIRPLANE TACTICAL FIGHTER	BASIC F4H-1 AIRPLANE INCORPORATING A 80KW, AN/APN-102 DOPPLER RADAR; 2144 GALLONS. INTERNAL FUEL CAPACITY AND TWO 370 GALLON WING TANKS. TWO TURBO-JET J79-GE-8	10-20-59	E9222-049
98	BJ	WEST GERMANY	AIRPLANE TACTICAL FIGHTER	IMPROVED VERSION OF MODEL 98 BH INCORPORATING A 200KW NASARR RADAR. TWO TURBO-JET J79-GE-8	10-20-59	E9222-049

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	BK	USAF 59RDZ-30070 DATED 10-23-59	AIRPLANE	ADVANCED INTERCEPTOR VERSION OF THE F4H-1 WITH ASG-18. REVISION TO BASIC F4H-1 INCLUDE: 1) LARGER 32 X 9.9 MAIN GEAR TIRE AND WHEELS. 2) INCREASED INTERNAL FUEL CAPACITY. 3) 40 KVA ALTERNATORS AND A NEW HEAT AND VENT PACKAGE. 4) WING FOLD AND INBOARD LEADING EDGE FLAPS IMMOBILIZED. BASIC ITEMS OF F4H-1 REMOVED INCLUDE: 1) BOUNDARY LAYER CONTROL. 2) TAIL HOOK. 3) CATAPULT HOOKS AND HOLD BACK FITTINGS. 4) REFUELING PROBE. TWO J79-GE-8 (MCDONNELL REPORT 7158)	11-9-59	E9222-005
98	BL	USAF	AIRPLANE	ADVANCED INTERCEPTOR VERSION OF F4H-1 WITH WECO 2000 WFCS TWO J79-GE-8 (MCDONNELL REPORT 7158)	11-9-59	E9222-005
98	BM	USAF	AIRPLANE	TACTICAL FIGHTER VERSION OF BASIC NAVY PRODUCTION F4H-1. TWO-PLACE TANDEM OUTBOARD WING FOLD MECHANISM REMOVED. BASIC F4H-1 BOUNDARY LAYER CONTROL DEVICE RETAINED. 32 X 9.9 TYPE VII TUBELESS TIRES AND WHEELS. LIGHTWEIGHT,"NONAUTOMATIC" RETRACTING, EMERGENCY ARRESTING HOOK. CARTRIDGE STARTERS ON EACH ENGINE. BOOM REFUELING PLUS F4H-1 PROBE AND DROGUE. DUAL CONTROLS. INTERNAL FUEL: 2041 GALLONS. ANTISKID BRAKES. 10° - 14° VARIABLE RAMP. TWO J79-GE-7B (MCDONNELL REPORT 7212)	12-1-59	E9222-030
98	BN	NAVY	AIRPLANE	F4H ATTACK AIRPLANE ("F4H ATTACK SPECTRUM") NASARR, 100 KW, "KU" BAND SEARCH. 30" X 21" ELLIPTICAL PARABOLOID REFLECTOR. NORDEN LAY DOWN COMPUTER AND AN/AJB-3 SYSTEM. THREE EXTERNAL FUEL TANKS. SPACE ALLOCATION FOR THE AN/ARW-73 BULLPUP COMMAND GUIDANCE SYSTEM IS PROVIDED. 2070 GALLON INTERNAL FUEL CAPACITY. TWO J79-GE-8 (MCDONNELL REPORT 7515)	1-5-60	(AED) E9222-038

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	BP	NAVY	AIRPLANE	F4H/REINS ("F4H ATTACK SPECTRUM") CONVAIR (AN/APS-60) 100 KW "KU" BAND SEARCH AND RANGE. 19" X 29" DISH ANTENNA. NAF/F-10 (ANALOG) BOMBING COMPUTER; NAA/N5H INERTIAL PLATFORM; NAA/VERDAN DIGITAL COMPUTER; GE/SR-1 ATTITUDE REFERENCE AND COMPASS. 2288 GALLON INTERNAL FUEL CAPACITY. TWO J79-GE-8 (MCDONNELL REPORT 7515).	1-5-60	(AED) E9222-038
98	BQ	NAVY	AIRPLANE	F4H/Q71/G46 ("F4H ATTACK SPECTRUM") AN/APQ-71, 100 KW "KU" BAND SEARCH RADAR 17" X 36" DISH ANTENNA. AN/APQ-88 TRACK RADAR. 14" DISH ANTENNA. LITTON DIANE DIGITAL BOMBING AND NAVIGATION COMPUTER: LITTON P-200 INERTIAL PLATFORM. 30 X 9.5 MIG TIRES. 2288 GALLON INTERNAL FUEL CAPACITY. TWO J79-GE-8 (MCDONNELL REPORT 7515)	1-5-60	(AED) E9222-038
98	BR	NAVY	AIRPLANE	F4H/ASB-8 ("F4H ATTACK SPECTRUM") TWO J79-GE-8	1-5-60	(AED) E9222-038
98	BS	NAVY	AIRPLANE	F4H/PA ("F4H ATTACK SPECTRUM") AN/AWG-7 "MISSILE CONTROL SYSTEM" MODIFIED FOR ATTACK. 32" DISH ANTENNA. 1992 GALLON INTERNAL FUEL CAPACITY. TWO J79-GE-8 (MCDONNELL REPORT 7515)		
98	BT	USAF	AIRPLANE	F4H TACTICAL FIGHTER THUNDERSTICK FCS. SINGLE PLACE; BASIC F4H EXCEPT SECOND COCKPIT REMOVED. TWO J79-GE-8	1-5-60	(AED) E9222-038
98	BU	USAF	AIRPLANE	SAME AS MODEL 98BT EXCEPT TWO PLACE AND NASARR K_u, RADAR DISH 21 X 30. TWO J79-GE-8	1-5-60	(AED) E9222-038
98	BV	USAF	AIRPLANE	F4H LONG RANGE INTERCEPTOR FOR ADC. TWO J79-GE-8	1-5-60	(AED) E9222-038

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	BW	NAVY	AIRPLANE	F4H-1P ADVANCED RECON. WEAPON SYSTEM (MODIFIED) TWO J79-GE-8	1-5-60	(AED) E9222-042
98	BX	USAF	AIRPLANE	F4H TACTICAL FIGHTER TWO-PLACE TERRAIN FCS TWO J79-GE-8	2-12-60	(AED) E9222-030
98	BY	USAF	AIRPLANE	F4H TACTICAL FIGHTER TWO-PLACE NASARR X BAND (17 X 24 ANTENNA) TWO J79-GE-8	2-12-60	(AED) E9222-030
98	BZ	NAVY	AIRPLANE	NAVY INTERCEPTOR/ATTACK CHANGES FROM F4H-1: AERO-1A MODIFIED TO PROVIDE ALL WEATHER ATTACK CAPABILITY. BLIND LAY DOWN BOMBING SYSTEM ADDED. DOPPLER DERIVED NAVIGATION SYSTEM ADDED. BULLPUP CAPACITY INCORPORATED. UNIVERSAL PYLONS FOR CARRIGAE OF CONVENTIONAL AND SPECIAL ARMAMENT. TWO J79-GE-8 (MCDONNELL REPORT 7515, 7647, 8188)	4-8-60	(AED) E9222-038
98	CA	USAF	AIRPLANE	F4H TAC FIGHTER BOMBER BASICALLY THE SAME AS NAVY INTERCEPTOR/ ATTACK, MODEL 98BZ, EXCEPT FOR THE FOLLOWING CHANGES: 1LS INTEGRATED INTO CNI SYSTEM 234 GALLONS OF INTERNAL FUEL ADDED 32 X 9.9 MAIN LANDING GEAR WHEELS AND TIRES. LIGHT WEIGHT ARRESTING HOOK. CARTRIDGE STARTERS. IMMOBILIZE WING FOLD. BOOM REFUELING ADDED. TWO J79-GE-8 OR ALLISON-ROLLS ROYCE AR-168	2-12-60	(AED) E9222-038
98	CB	USAF	AIRPLANE	F4H TACTICAL FIGHTER GE MJ 70 (23,000 LB. THRUST)	2-12-60	E9222-030
98	CC	USAF	AIRPLANE	F4H TACTICAL FIGHTER CW TJ 50 (25,000 LB. THRUST)	2-12-60	E9222-030
98	CD	USAF	AIRPLANE	F4H TACTICAL FIGHTER PW J-58 (23,000 LB. THRUST)	2-12-60	E9222-030
98	CE	USAF	AIRPLANE	F4H TACTICAL FIGHTER POD MOUNTED J93 ENGINES J93-GE	3-4-60	E9222-030

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	CF	USAF	AIRPLANE	F4H TACTICAL FIGHTER POD MOUNTED TJ-50 ENGINES CW TJ-50	3-4-60	E9222-030
98	CG	USAF	AIRPLANE	F4H TACTICAL FIGHTER. 2388 GALLONS INTERNAL FUEL 32 X 9.9 WHEELS. J79-GE-8	3-14-60	(AED) E9222-030
98	CH	USAF	AIRPLANE-FIGHTER BOMBER	F4H PHANTOM IIA TACTICAL FIGHTER BOMBER. THIS A/P IS BASICALLY THE PRODUCTION U.S. NAVY PHANTOM II, EXCEPT FOR THE FOLLOWING: 1. LARGER 32 X 9.9 INCH TYPE VII TUBELESS TIRES AND WHEELS. 2. SIMPLE. LIGHT WEIGHT, NONAUTOMATIC RETRACTING ARRESTING HOOK. 3. CARTRIDGE STARTERS ON EACH ENGINES. 4. BOOM REFUELING IN ADDITION TO BASIC PHANTOM II PROBE AND DROGUE SYSTEM. 5. DUAL CONTROLS. 6. B.L. 36.215 EXTERNAL STORE STATION. 7. ANTISKID BRAKES. 8. 16 FT. PARABRAKE INSTALLED IN AFT TAILCONE. 9. SHIPBOARD CATAPULTING, ARRESTING GEAR AND WING FOLD MECHANISMS REMOVED. 10. EQUIPMENT INCORPORATED WITHIN CONFINES OF NOSE AND FORWARD FUSELAGE, REPLACING AIR-TO-AIR FCS AND COMPONENTS NOT REQUIRED FOR A FIGHTER-BOMBER. J79-GE-7B (MCDONNELL REPORT 7620)	6-8-60	(AED) E9222-039
98	CI	USAF	AIRPLANE-FIGHTER	F4H PHANTOM IIB ALL WEATHER FIGHTER BOMBER IDENTICAL TO PHANTOM IIA, MODEL 98CH, EXCEPT FOR FOLLOWING: 1. 10^{o} - 14^{o} VARIABLE RAMP INLETS RETAINED IN PHANTOM IIB CONFIGURATION (SAME AS PRODUCTION U.S. NAVY PHANTOM II) 2. INTERNAL FUEL CAPACITY INCREASED FROM 2041 GALLONS TO 2378 GALLONS. 3. STRUCTURAL BEEFUP TO INCREASE LOAD FACTOR FROM 6.5g TO 7.1g AT INCREASED COMBAT GROSS WEIGHT.	6-8-60	(AED) E9222-039

MCDONNELL MODEL NUMBERS 1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	CJ	RAF	AIRPLANE-FIGHTER BOMBER	F4H PHANTOM IIC ALL WEATHER FIGHTER BOMBER. THIS A/P BASICALLY THE SAME AS PRODUCTION U.S. NAVY PHANTOM II, EXCEPT FOR FOLLOWING: 1. DUAL TANDEM 18 X 5.5 INCH TIRES AND WHEELS. 2. SIMPLE, LIGHT WEIGHT, NONAUTOMATIC RETRACTING, EMERGENCY ARRESTING HOOK. 3. CARTRIDGE STARTER ON EACH ENGINE. 4. DUAL CONTROLS FOR TRANSITIONAL TRAINING. 5. EXTERNAL STORE STATION AT B.L. 36.215. 6. SHIPBOARD CATAPULTING GEAR, ARRESTING GEAR AND WINGFOLD MECHANISMS REMOVED FOR RAF CONFIGURATION. 7. 16 FT. PARABRAKE INSTALLED IN AFT TAIL CONE. 8. INTERNAL FUEL CAPACITY INCREASED. ROLLS-ROYCE RB-168 (MCDONNELL REPORT 7643)	6-8-60	(AED) E9222-039
98	CK	USAF	AIRPLANE INTERCEPTOR	a) F4H/ADC ADVANCED INTERCEPTOR AN/ASG-18 F.C.S. 40" RADAR ANTENNA PHANTOM IIB (HEAVY) TWO GAR-9 WEAPONS F4H WING WITH WIDENED CENTER SECTION; F4H TAIL; LONGER FUSELAGE (69 FT. 10 IN.) 4800 GALLONS INTERNAL FUEL CAPACITY. b) SAME AS ABOVE BUT AN ADDITIONAL 1000 GALLONS EXTERNAL FUEL. 5800 GALLONS TOTAL FUEL CAPACITY. J93-GE (MCDONNELL REPORT EN-288)	6-27-60	(AED) E9222-005
98	CL	USAF	AIRPLANE INTERCEPTOR	a) FIGHTER BOMBER WECO-650 F.C.S. 32" DISH PHANTOM IIB2 FOUR SPARROW III WEAPONS 600 GALLONS EXTERNAL FUEL 2802 GALLONS TOTAL FUEL CAPACITY b) SAME AS ABOVE EXCEPT TWO ADDITIONAL 370 GALLON EXTERNAL FUEL TANKS. 3542 GALLONS TOTAL FUEL CAPACITY J79-GE-8 (MCDONNELL REPORT EN-288)	6-27-60	(AED) E9222-005

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	CM	RAF	AIRPLANE	F4H/RAF NASARR 80KW X-BAND F.C.S. PHANTOM IIC. DUAL TANDEM 18 X 5.5 WHEELS. DUAL CONTROLS. EXTERNAL STORE STATION AT B.L. 36.215. INTERNAL FUEL - 15,522 LBS. (MAXIMUM). EXTERNAL FUEL 6,500 LBS. CARTRIDGE STARTER ON EACH ENGINE. ROLLS-ROYCE RB-168 (MCDONNELL REPORT 7643)	6-27-60	(AED) E9222-049
98	CN	USAF	AIRPLANE	a) F4H/ADC PHANTOM IIG ADVANCED INTERCEPTOR. AN/ASG-18 FIRE CONTROL SYSTEM WING AND TAIL AREAS INCREASED 20 PERCENT. FUSELAGE LENGTHENED. TWO GAR-9 PRIMARY AND ONE GAR-9 ALTERNATE WEAPONS. 5203 GALLONS INTERNAL FUEL. 600 GALLONS EXTERNAL FUEL (OPTIONAL) b) SAME AS ABOVE EXCEPT FOUR GAR-9 CAPABILITY AND 750 GALLONS EXTERNAL FUEL. GE-J93-MJ 252F (MCDONNELL REPORT EN-288)	7-14-60	(AED) E9222-005
98	CP	(ADC) USAF	AIRPLANE	a) ADVANCED INTERCEPTOR F4H AN/ASG-18 F.C.S. PHANTOM IIF WING AND TAIL AREAS INCREASED 20 PERCENT. FUSELAGE LENGTHENED TWO GAR-9 PRIMARY AND ONE GAR-9 ALTERNATE WEAPONS. 5203 GALLONS FUEL INTERNAL. 600 GALLONS FUEL EXTERNAL (OPTIONAL) b) SAME AS ABOVE EXCEPT FOUR GAR-9 PRIMARY AND 750 GALLONS EXTERNAL FUEL. PW J-58 (MCDONNELL REPORT EN-288)	7-20-60	(AED) E9222-005
98	CQ	USAF (ADC)	AIRPLANE INTERCEPTOR	INTERCEPTOR FOR ADC WECO-650 PULSE DOPPLER FCS, 32" DISH CARRIES FOUR GAR-9 WEAPONS 2802 GALLON FUEL CAPACITY. J79-GE-8 (MCDONNELL REPORT EN-288)	8-1-60	(AED) E9222-005

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	CR	USAF (TAC)	AIRPLANE-TACTICAL FIGHTER	PHANTOM IID TF10A-20	10-10-60	(AED) E9222-060
98	CS	USAF (TAC)	AIRPLANE-TACTICAL FIGHTER	PHANTOM IIE J52	10-10-60	(AED) E9222-060
98	CT	NAVY	AIRPLANE-INTERCEPTRO	F4H WITH AERO-1A (MOD.) FOR IMPROVED ATTACK FUNCTIONS,i.e., TERRAIN AVOIDANCE, IMPROVED GROUND MAP AND PPI DISPLAY, AIR-TO-GROUND RANGING, DOPPLER VELOCITY MODE, PROGRAMMED BLIND LOW ALTIDUTE LAY DOWN, AND HIGH AND LOW LABS. APQ-72 NONCOHERENT PULSE RADAR WITH PARAMETRIC AMPLIFIER AND DAAJ RECEIVING SYSTEM. OPTICAL SIGHT AN/AAA-4 IR AN/ASA-32 AUTOPILOT MODIFIED AN/APA-128, CADC AND AIRCRAFT WIRING TO ADD CAPABILITIES FOR SPARROW III 6b MISSILES. SPACE ALLOCATION FOR ELECTRONIC COMPONENTS OF MODEL 98BZ. A/246 CADC, AN/APN-141 RADAR ALTIMETER AN/AJB-3 AABS AN/ASW-13 DATA LINK AN/ASN-19 CNI INTERNAL FUEL 1994 GALLONS JP-5 EXTERNAL FUEL: 600 GALLONS C_L 2 - 370 GALLONS WING J79-GE-8 (MCDONNELL REPORT 8016)	1-5-61	(AED) E9222-057
98	CU	NAVY	AIRPLANE-INTERCEPTOR	F4H WITH AERO-1A FCS/CW POD. SAME AS MODEL 98CT BUT WITH ATTACK PROVISIONS ADDED. POD MOUNTED CW RECEIVER AT WING STA. 81.50. AN/APA-128 CW MODIFIED TO (FM/CW) SIMILAR TO MODEL 98BZ. J79-GE-8 (MCDONNELL REPORT 8016)	1-5-61	(AED) E9222-057

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	CV	NAVY	AIRPLANE-INTERCEPTOR	F4H WITH AWG-7 FCS SIMILAR TO MODEL 98BG (F4H-1E) APQ-75 NON-COHERENT PULSE RADAR WITH (AMTI/AMIT). ADDED NO. 7 FUEL TANK. MODIFICATION OF EQUIPMENT REFRIGERATION UNIT. 30 KVA GENERATORS. INTERNAL FUEL 1992 GALLONS JP-5. AN/ASW-13 DATA LINK. J79-GE-8 (MCDONNELL REPORT 8016)	1-5-61	(AED) E9222-057
98	CW	NAVY	AIRPLANE-INTERCEPTOR	F4H WITH WECO 650W PULSE DOPPLER RADAR MISSILE SYSTEM FOR INCREASED DETECTION RANGE AND IMPROVED CCM EFFECTIVENESS. SIMILAR TO MODEL 98CU. J79-GE-8 (MCDONNELL REPORT 8016)	1-5-61	(AED) E9222-057
98	CX	NAVY	AIRPLANE-INTERCEPTOR	F4H WITH HUGHES 700W COHERENT PULSE DOPPLER RADAR FOR IMPROVED PERFORMANCE. SIMILAR TO MODEL 98CW BUT FOR MOD TO GAR-9 MISSILES. LIQUID AIR-TO-AIR HEAT EXCHANGERS FOR RADAR AND MISSILE COOLING. 30 KVA GENERATORS. J79-GE-8 (MCDONNELL REPORT 8016)	1-5-61	(AED) E9222-057
98	CY	NAVY	AIRPLANE-INTERCEPTOR	F4H WITH WECO 2000W COHERENT PULSE DOPPLER RADAR TO SIMULTANEOUSLY TRACK TWO TARGETS AND TWO MISSILES. ADD EAGLE MISSILE CAPABILITY ON WING STATION 132.50 WITH TWO SPARROW III 6b MISSILE SEMI-SUBMERGED IN AFT FUSELAGE. LONGER NOSE 6 INCHES (FWD. OF F.S. 77). FWD. SPARROW III MISSILE CAVITIES CONVERTED TO EQUIP. COMPARTMENTS. ADD NO. 7 FUEL CELL. 30 KVA GENERATORS. NOSE GEAR EXTENSION TO PROVIDE FOR WING ANGLE OF ATTACK 9° 23' FOR CATAPULT. INSTALL 30 X 9.5 MIG WHEELS AND TIRES. INTERNAL FUEL 2041 GALLONS JP-5. ELIMINATES 370 GALLONS EXTERNAL WING TANKS. ALTERNATE CONFIGURATION OF 3 IRIS BOOSTER ROCKET CLUSTERS MOUNTED C_L. J79-GE-8 (MCDONNELL REPORT 8016)	1-5-61	(AED) E9222-057
98	CZ	NAVY	AIRPLANE-INTERCEPTOR	F4H WITH WECO 2KW (X BAND) PULSE DOPPLER RADAR AND HAWK (KESTREL) MISSILE SYSTEM J79-GE-8	3-7-61	(AED) E9222-066

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	DA	ARMY	AIRPLANE-ATTACK	F4H TWO-PLACE CLOSE SUPPORT AIRCRAFT. MODIFICATION OF F4H-1 FOR ARMY GROUND SUPPORT. TWO CONFIGURATIONS: G-1 AND ALTERNATE G-1 CHANGES ARE AS FOLLOWS: 1. REMOVE ALL ELECTRONIC EQUIPMENT ITEMS AND REPLACE WITH CLOSE SUPPORT EQUIPMENT TO PROVIDE VISUAL DELIVERY OF GROUND SUPPORT WEAPONS AND VISUAL LAY DOWN CAPABILITIES. 2. REPLACE SINGLE 30 X 7.7 M.L.G. TIRE WITH DUAL 30 X 7.7 TIRES. 3. DEACTIVATE WING FOLD AND REMOVE CATAPULT AND ARRESTING GEAR. 4. REMOVE SPARROW III MISSILES AND INSTALLATION COMPONENTS. 5. REMOVE EQUIPMENT REFRIGERATION PACKAGE, UTILIZE CABIN REFRIGERATION PACKAGE FOR EQUIPMENT COOLING. 6. ADD CARTRIDGE STARTERS AND BATTERY. 7. REPLACE PRESENT ARRESTING GEAR WITH LIGHTWEIGHT HOOK. 8. ADD I.F.R. BOOM RECEPTACLE. 9. THIS ITEM APPLICABLE TO A/C ALTERNATE G-1 ONLY. ADD ONE M-61 (VULCAN) AIRCRAFT CANNON WITH 930 RDS. 20MM AMMO. J79-GE-8 OR AR-168-18 (MCDONNELL REPORT 8188)	3-9-61	(AED) E9222-065
98	DB	ARMY	AIRPLANE-ATTACK	F4H CLOSE SUPPORT AIRCRAFT. F4H MODIFICATION FOR ARMY GROUND SUPPORT. THIS ARIPLANE IS THE SAME AS MODEL 98DA (SEE CHANGES ON MODEL 98DA) EXCEPT FOR ADDITIONAL CHANGES LISTED BELOW: 1. REMOVE REAR SEAT AND ALL ASSOCIATED CONTROLS AND EQUIPMENT (AVAILABLE FOR EQUIPMENT GROWTH AND/OR RECONNAISSANCE CAPABILITY). 2. ELIMINATE CADC AND FLIGHT CONTROL GROUP EQUIPMENT. 3. REMOVE I.F.R. PROBE AND COMPONENTS. 4. REMOVE VARIABLE BELLMOUTH FROM ENGINE DUCT: USE BELL-MOUTH CONTROLLER TO CONTROL VARIABLE INLET RAMPS. 5. REMOVE REAR CANOPY GLASS AND REPLACE WITH SHEET METAL; ELIMINATE ELECTRICAL AND JETTISON MECHANISMS AND MODIFY MANUAL CONTROLS TO OPEN AND CLOSE HATCH. J79-GE-8 (MCDONNELL REPORT 8188)	3-31-61	(AED) E9222-065

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	DC	USAF TAC	AIRPLANE F4H-1	F4H IMPROVED PHANTOM IIB FOR TAC. CHANGES FROM F4H-1 AIRCRAFT 1. SIX INCH LONGER NOSE. 2. 18 X 5.5 DUAL TANDEM GEAR. 3. WING FOLD REMOVED. 4. LIGHTWEIGHT ARRESTING HOOK. 5. 600 GALLONS INTERNAL FUEL ADDED. 6. 234 GALLONS INTERNAL FUEL ADDED. 7. BOOM REFUELING. 8. IMPROVED SECOND PILOT'S STATION. 9. N/A EJECTION SEATS. 10. B.L. 36.215 STORE STATIONS ADDED. 11. CARTRIDGE STARTERS. 12. OPTIONAL RECONNAISSANCE CAPABILITY. J79-GE-8 (MCDONNELL REPORT 8188)	4-18-61	(AED) E9222-069
98	DD	USAF ADC	AIRPLANE-F4H-1 (F-4B)	F4H IMPROVED PHANTOM II FOR ADC. CHANGES FROM F4H-1 AIRCRAFT: 1. HUGHES 700 WATT PULSE DOPPLER RADAR. 2. GAR-9 MISSILE AUXILIARIES. 3. ASQ-37 COMMUNICATION-NAVIGATION-IDENTIFICATION. 4. AN/APX-26B AIR-TO-AIR IDENTIFICATION SYSTEM. 5. AN/ARR-60 DATA LINK. 6. LEAR 2171 ATTITUDE REFERENCE AND COMPASS SYSTEM. 7. 221 GALLONS OF FUEL ADDED. 8. LIGHTWEIGHT ARRESTING HOOK. 9. 30 KVA GENERATORS. 10. MODIFY EQUIPMENT REFRIGERATION UNIT TO NEW REQUIREMENTS. J79-GE-8 (MCDONNELL REPORT 8188)	4-18-61	(AED) E9222-069
98	DE	USAF	AIRPLANE F-110A	MISSION AIR-TO-AIR. MISSILE COMBAT, ALL WEATHER TACTICAL FIGHTER. 2 MAN CREW - TANDEM COCKPIT. DUAL CONTROL. WING SPAN - 38'-4.9". ARMAMENT-SPARROW MISSILES, GAM 83 MISSILES, DEMOLITION BOMBS, MK-28 SPECIAL WEAPON. FUEL-1972 GALLONS. BASIC T.O. WT. 44,142. EQUIPMENT-AUTOMATIC PILOT (AN/ASA-32). CADC (A/A24G MOD.) AN/ASN-39 NAV. COMPUTER. AN/APN-141 RADIO ALTIMETER. AN/ASQ-19 INTEGRATED ELECTRONIC COMPUTER. AN/APN-141 RADIO ALTIMETER. AN/APQ-72 RADAR. AN/APA-128 RADAR SET GROUP. AN/AAA-4 INFRARED SEARCH AND TRUCK SYSTEM. 2-J79-GE-15 (MCDONNELL REPORT 8568)	11-13-61	E9222-078

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	DF	USAF	AIRPLANE- RF-110A YRF/RF4-C	MISSION-ALL-WEATHER, HIGH-LOW. DAY-NIGHT RECONNAISSANCE. OPTIONAL-AIR-TO-AIR MISSILE COMBAT OR AIR-TO-GROUND ATTACK. 2 MAN CREW TANDEM COCKPIT. WING SPAN - 38'-4.9". LENGTH - 60-10.9". BASIC T.O. WT. 43,417 LBS. INTERNAL USABLE FUEL-1889 GALLONS. EQUIPMENT-AN/ASQ-19 INTEGRATED ELECTRONIC CONTROL. AN/ASN-39 NAV. COMPUTER. R14F NASARR FORWARD LOOKING RADAR. FORWARD OBLIQUE/ VERTICAL CAMERA. LOW AND HIGH ALTITUDE CAMERA. PHOTO FLASH DETECTORS. SIDE LOOKING RADAR. 17" x 24" RADAR ANTENNA DISH. INFRARED RECON. SUBSYSTEM. ARMAMENT EQUIPMENT-SIDEWINDER AND BULLPUP MISSILES AND SPECIAL AND CONVENTIONAL WEAPONS. 2-J79-GE-15 (MCDONNELL REPORT 8588)	1-3-61	722
98	DG	USAF	AIRPLANE	F4H PHANTOM II FOR ADC PRIMARY MISSION-ALL-WEATHER AIR DEFENSE SECONDARY MISSION-CAPABILITY OF CONVENTIONAL OR SPECIAL WEAPONS DELIVERY. EQUIPMENT-APQ-72 RADAR, APA-128 SEMIACTIVE C.W. MISSILE CONTROL INFRARED-AAA-4. BOMB SYSTEM AJB-3. NAV. SYS. TACAN, UHF-ADF, AN/ASN-39 COMPUTER. AUTO PILOT F08-H 2-J79-GE-8 (MCDONNELL REPORT 8498)	1-12-62	
98	DH	USN (USMC)	AIRPLANE- RECON. F4H-1P RF-4B	F4H PHANTOM II RECON. VERSION OF F4H-1 TWO-PLACE. INTERNAL FUEL 1910 GALLONS. EXTERNAL FUEL 1340 GALLONS. LENGTH 60'-10.9". OPTICAL SENSORS FOR CAMERAS. ELECTRICAL SENSORS FOR RADAR AND IRRS. INERTIAL NAV. SYSTEM. EJECTED FLARES. OPTICAL VIEW FINDER. JETTISONABLE CASSETTE FOR FILM EJECTION. PROVISIONS FOR ALTERNATE PHOTOGRAPHIC CONFIGURATIONS. SIDE LOOKING RADAR. INFRARED RECON. SYS. (FORWARD LOOKING RADAR) AUX. DATA RECORDING VOICE RECORDER. FWD. LOOKING RADAR SCOPE RECORDER. INTEGRATED SENSOR CONTROL SYS. (ISCS). V/H COMPUTER. HIGH ALTITUDE ALTIMETER. 2-J79-GE-8 SD-513-1R SD-513-1R-1	5-9-62	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	DI	NAVY	F-4B	BASIC F-4B AIRPLANE WITH JTF 10A-12 PRATT WHITNEY ENGINES JTF 10A-12 PRATT WHITNEY (TF-30) AEA-12 E6610-201	2-5-63	
98	DJ	USAF (TAC)	F-4C	THE BASIC F-4C AIRPLANE WILL BE CONFUGURED BY MODIFICATIONS AS FOLLOWS: APQ-100 RADAR, GROUND MAP, PPI FIXED RANGE CURSOR, BOMBING TIMER, LABSAJB-3, FIXED SIGHT, PPAPQ-72, AERO 1A, INERTIAL PLATFORM (LN-12) RADAR ALTIMETER 2-J79-GE-15 (MCDONNELL REPORT 9427) AEA-13 E6610-201	2-5-63	
98	DK	USAF (TAC)	F-4C	BASIC F-4C AIRPLANE WITH APQ-100 MODIFICATIONS-AIR-TO-GROUND RANGING, SERVOED SIGHT, MANUAL TERRAIN FOLLOW, CLEARANCE PLANE, CONTOUR MAP AND DIVE-TOSS BOMB COMPUTER LOW LIGHT LEVEL T.V. 2-J79-GE-15 (MCDONNELL REPORT 9427) AEA-13 E6610-201	2-5-63	
98	DL	USAF (TAC)	F-4C	BASIC F-4C WITH A 2F ELECTRONIC SYSTEM (KU GROUNDMAP + TERRAIN FOLLOW + AMTI (APQ-92-NORDEN)) (KU TRACK-TARGET TRACK, AIR-TO-GROUND RANGING, (APQ-88-NAFI) MTT, TF, TA, AUX. GROUND MAP) INERTIAL (LN-12) + DOPPLER (APN-122) DIGITAL ANALOG GENERATOR AND DISPLAY ALL WEATHER BULLPUP ECM (POD OR INSIDE) AEA-13 E6610-201	2-5-63	
98	DM	USAF (TAC)	F-4C	BASIC F-4C AIRPLANE WITH A 2F CAPABILITY APQ-100 RADAR, APQ-100 MOD. FOR AMTI, APQ-88(NAFI) IN POD (POD AT B.L. 81.50) ALL WEATHER BULLPUP PROVISIONS IN POD (INCLUDE IN Q-88 POD) ECM-POD AT B. L. 169.00. 2-J79-GE-15 AEA-13 E6610-201	2-5-63	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	DN	USAF (ADC)	F-4C	BASIC F-4C WITH THE FOLLOWING CHANGES: APG-59 (WITHOUT CW) IN PLACE OF APQ-100 AND APA-157 (RETAIN AAA-4), AIR-TO-GROUND CAPABILITIES TO BE DELETED FROM APG-59 (TERRAIN CLEARANCE, GROUND MAPPING, ETC.) ADD: #7 FUEL TANK, PROVISIONS FOR 3-600 GALLON EXT. TANKS, 15° STABILATOR, 30 KVA GENERATORS, PROVISIONS FOR 4-SPARROW III 6c MISSILES, SEMISUBMERGED. 2-J79/J1B (MCDONNELL REPORT 9598) AEA-16 E6610-201	2-5-63	
98	DO	USAF (ADC)	F-4C	BASIC F-4C AIRPLANE WITH THE FOLLOWING CHANGES: AN IMPROVED ASG-18 RADAR IN PLACE OF APQ-100, APA-157 AND AAA-4 ADD #7 FUEL TANK, PROVISIONS FOR 3-600 GALLON EXT. TANKS AND 4-GAR-9 MISSILES, STRENGHTENED MAIN GEAR WITH AIR FORCE-TYPE BRAKES, INCREASED FUSELAGE LENGTH TO INSTALL ASG-18. DELETION OF AIR-TO-GROUND BOMBING CAPABILITIES, BOMBING PORTION OF LABS, DUAL TIMERS, BULLPUP CONTROLS AND ASSOCIATED PROVISIONS. 2-JTF10A-20 (MCDONNELL REPORT 9598) AEA-16	2-5-63	
98	DP	USAF	F-4C	BASIC MODEL F-4C WITH THE FOLLOWING CHANGES: AN/ASG-18 3KW P.D. RADAR, 2-SPARROW III 6c ON AFT. FUS., 2-GAR-9 ON FWD, FUS., 2-GAR-9 ON WING PYLONS, HUGHES TWO-WAY DATA LINK NO.7 FUEL TANK. PROVISIONS FOR 600 GALLON WING TANKS, 40 KVA GENERATOR SYSTEM, J-4 COMPASS, 15° NEG. DIHEDRAL STABILATOR, 10" FUS. EXTENSION, HUGHES I.R. 2-J79/J1B (MCDONNELL REPORT 9598) AEA-17 E6610-201	2-5-63	
98	DQ	USAF (ADC)	F-4C	BASIC F-4C AIRCRAFT WITH THE FOLLOWING CHANGES: AN/ASQ-18 1 KW RADAR, 30 KVA GENERATOR SYSTEM, NO. 7 FUEL TANK PROVISIONS, MINIATURIZED CNI EQUIPMENT, J-4 COMPASS, AN/ASW-21 DATA LINK, 4-SPARROW III 6c MISSILES, 2-GAR-9 MISSILES. 2-J79/J1B (MCDONNELL REPORT 9598) AEA-16	2-5-63	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	DR	USAF	F-4C	BASIC F-4C AIRCRAFT WITH THE FOLLOWING CHANGES: GUNS IN THE NOSE, LOW UCI, OPTICAL GUN SIGHT, LOW COST NAV. SYSTEM, IN-FLIGHT REFUELING. 2-J79-GE-15 AEA-19 E6610-201	2-20-63	
98	DS	USAF	F-4C	BASIC F-4C AIRCRAFT WITH THE FOLLOWING CHANGES: TAKE-OFF DISTANCE SHORTENED BY 400 FT., APQ-72 RADAR, BLC FOR LOW SPEED OPERATION, FIXED BELLMOUTH BUT VARIABLE RANGE, ONE C_L GUN POD, 6-750 LB. BOMBS, 2-370 GALLON TANKS. 2-J79-GE-15 AEA-19 E6610-201	2-20-63	
98	DT	USAF	F-4C	BASIC F-4C AIRCRAFT WITH FOLLOWING CHANGES: JTF10A-20 ENGINES (VARIABLE EXIT EJECTOR), AN/ASG-18 3K.W. P.D. RADAR, 2-SPARROW III 6c ON AFT. FUS., 2-GAR-9 ON WING PYLONS, 2-GAR-9 ON FWD. FUS., HUGHES TWO-WAY DATA LINK, NO. 7 FUEL TANK, 60 KVA GENERATOR SYSTEM, J-4 COMPASS, 15° NEG. DIHEDRAL STABILATOR, HUGHES I.R., 60" FUS. EXTENSION. 2-JF10A-20 PRATT-WHITNEY (MCDONNELL REPORT 9598) AEA-16	2-20-63	
98	DU	USAF (TAC)	F-4C	BASIC F-4C AIRPLANE WITH FOLLOWING CHANGES: 15° STABILATOR, APQ-100 RADAR MODIFIED AS FOLLOWS: Ka BAND INJECTION, ELECTRONIC RANGE AND CURSORS, SPOILED BEAM, TERRAIN FOLLOWING, AIR-TO-GROUND RANGING, MOVING TARGET INDICATION. HEADS UP DISPLAY BOMBING RADAR TV AND/OR IR DISPLAYS AND INCLUDING SERVO DRIVEN OPTICS, BOMB COMPUTER, MOVING MAP DISPLAY, ALTERNATE TO IR SCANNER, GYRO AND BALLISTIC COMPUTER FOR LEAD PURSUIT GUN FIRING, 360° RADAR WARNING, QRC-160 PROVISIONS ONLY, IMPROVED B.L. 81.50 AND 132-50 PYLONS, 20MM GUN MODULE, 600 GAL. EXTERNAL WING TANKS, 30 KVA GENERATORS, BRAZED HYDRAULIC AND PNEUMATIC FITTINGS, HIGH LIFT WING, PROVISION FOR WALLEYE, MINATURIZED CNI 2-J79/J1B AEA-38 E6610-201	3-12-63	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	DUa	USAF	F-4C	USING THE F-4C AS A BASE THE MODEL 98DUa WILL BE CONFIGURED AS FOLLOWS: RETAIN THE APQ-100 RADAR BUT ADD: TARGET FINDING MODE, HIGH RESOLUTION DISPLAY, ADD SMALL Ku RADAR IN CHIN BLISTER TO PROVIDE: AIR-TO-GROUND RANGING, TERRAIN FOLLOWING (MANUAL), ECP 434 (AUTOPILOT), ECP 499 (RAIN REMOVAL IMPROVEMENT, ROLLER MAP DISPLAY, MULTIPLE DESTINATION NAV. COMPUTER, SERVOED, STABILIZED SIGHT, DIVE-TOSS BOMB COMPUTER (WITH OFFSET BOMBING MODE), LEAD PURSUIT GUN COMPUTER AND GYROS, SEPARATE CSD OIL SYSTEM (ECP 421), TRIM FOR TAKEOFF BUTTON, PROVISIONS FOR WING OR CENTERLINE MOUNTED GUN PODS (ECP 491), LIGHTWEIGHT ARRESTING HOOK, MINIATURIZED CNI, QRC-16c PROVISIONS ONLY 30KVA GENERATORS. 2-J79-GE-15 AEA-39	10-22-63	E6610-201
98	DV	USAF	F-4C	BASIC F-4C WITH J79/J1B ENGINE AND 15° STABILATOR J79/J1B, AEA-27 (MCDONNELL REPORT 9037, 9758)	3-18-63	E6610-201
98	DW	USAF	RF-4C	BASIC RF-4C WITH J79/J1B ENGINE AND 15° STABILATOR J78/J1B, AEA-27 (MCDONNELL REPORT 9037, 9758)	3-18-63	E6610-201
98	DX	ROYAL AUSTRALIAN AIR FORCE	F-4C	BASIC F-4C AIRPLANE INVESTIGATION OF FITTING THIS ENGINE IN THE F-4C. INVESTIGATION OF REINSTALLATION OF REFUELING PROBE AND DELETION OF THE BOOM RECEPTACLE. SENECMA ATAR-9 AEA-23	3-19-63	E6610-201
98	DY	USAF (TAC)	F-4C	BASIC F-4C AIRPLANE WITH THE FOLLOWING CHANGES: MODEL 98 DY WILL HAVE SAME CAPABILITIES OF MODEL 98 DU EXCEPT THE APG-59 RADAR WILL BE USED IN LIEU OF APQ-100 RADAR. 2-J79/J1B, AEA-38 (MCDONNELL REPORT A202)	5-1-63	E6610-201
98	EA	NAVY	F-4B	BASIC F-4B WITH THE FOLLOWING CHANGES: APG-59 W/CW INJECTION, HIGH LIFT, 1 PHOENIX MISSILE, 1 SPARROW MISSILE, 2-600 GAL. WING TANKS, 600 GAL. C_L TANK, INCREASED STRENGTH IN LANDING GEAR, EXTRA EXTENDIBLE NOSE GEAR, ALR-15 AND PASSIVE DIRECTIONAL TRACKER, GEAR POD,	5-27-63	E6610-201

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	EA	(CONTINUED)		AIR-TO-GROUND RANGING, SERVOED SIGHT, TERRAIN AVOIDANCE, TOSS COMPUTER, A.M.T.I., TV (NO. AAA-4), INERTIAL PLATFORM, ASN-47 NAV. COMPUTER, Q-88 RADAR, ALQ-100 POD, NO. 7 FUEL TANK, AN/AJB-7, MINIATURIZED CNI, MINIATURIZED DATA LINK. 2-J79/J1B AEA-28 (MCDONNELL REPORT 9398)	5-27-63	E6610-201
98	EB	NAVY	F-4B	BASIC F-4B WITH THE FOLLOWING CHANGES: APG-59 W/CW INJECTION, VARIABLE SWEEP, 1 PHOENIX MISSILE, 2 SPARROW MISSILES, 2-600 GAL. TANKS, INCREASED LANDING GEAR STRENGTH, ALR-15 AND PASSIVE DIRECTIONAL TRACKER, GUN POD, AIR-TO-GROUND RANGING, SERVOED SIGHT, TERRAIN AVOIDANCE, TOSS COMPUTER AMTI, TV (AAA-4), INERTIAL PLATFORM, ASN-46 NAV. COMPUTER, Q-88 RADAR, ALQ PODS, NO. 7 FUEL TANK AN/AJB-7, MINIATURIZED CNI, MINIATURIZED DATA LINK. 2-J79/J1B AEA-28 (MCDONNELL REPORT 9398)	5-27-63	E6610-201
98	EC	NAVY	F-4B	AN ADVANCED F-4B WITH APG-59 W/CW INJECTION HI-LIFT WING, 4 SPARROW III 6B MISSILES, 2-600 GALLON WING TANKS AND 1-600 C_L TANK, INCREASED LANDING AND DESIGN GROSS WRIGHT, EXTRA EXTENDIBLE NOSE GEAR, F-4C TIRES AND WHEELS WITH NAVY BRAKES, ARL-15 PASSIVE ECM, PASSIVE FORWARD, DIRECTIONAL TRACKER ECM, PROVISIONS FOR ALQ-100 PODS, SERVOED SIGHT, HEADS-UP DISPLAY, INERTIAL PLATFORM, ASN NAV. COMPUTER, IMPROVED CNI, DATA LINK AND AN/AJB-7, TITANIUM FASTENERS, BLC DUCTS TO TITANIUM, MINIATURIZED FLIGHT DIRECTOR. 2-J79/J1B AEA-32 (MCDONNELL REPORT 9398, 9809)	6-27-63	E6610-201
98	ECa	NAVY	F-4B	USING THE F-4B AS A BASE, THE MODEL 98ECa WILL BE CONFIGURED AS FOLLOWS: AWG-10 MISSILE CONTROL SYSTEM, EXTENDED NOSE GEAR, DROOPED AILERONS (INCLUDING STABILIZER CHANGE) 36,000 LB. LANDING WEIGHT MINIATURIZED CNI, ECP's 202 (APN-141), 434 (AUTOPILOT) AND 499 (IMPROVED RAIN REMOVAL) 30KVA GENERATOR. 2-J79-GE-8 AEA-39	10-22-63	E6610-201

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	ED	NAVY	F-4B	AN ADVANCED F-4B AIRPLANE FOR IMPROVED AIR-TO-GROUND CAPABILITY AS WELL AS IMPROVED CARRIER SUITABILITY APQ-59 W/CW INJECTION, VARIABLE SWEEP WING, 2-SPARROW III 6B MISSILES (SEMISUBMERGED), 2-SPARROW III 6B MISSILES (PYLONS), 2-600 GAL. WING TANKS, INCREASED LANDING AND DESIGN GROSS WEIGHT, F-4C TIRES AND WHEELS WITH NAVY BRAKES, ARL-15 PASSIVE ECM, PASSIVE FWD. DIRECTIONAL TRACKER ECM, PROVISIONS FOR AIQ-100 PODS, SERVOED SIGHT, HEADS-UP DISPLAY, INERTIAL PLATFORM, ASN-46 NAV. COMPUTER, #7 FUEL TANK, IMPROVED CNI, DATA LINK AND AN/AJB-7, TITANIUM FASTENERS, BLC DUCTS TO TITANIUM, MINIATURIZED FLIGHT DIRECTOR. 2-J79/J1B (MCDONNELL REPORT 9398, 9809) AEA-32	6-27-63	E6610-201
98	EE	USAF (TAC)	F-4C	THE BASIC F-4C AIRPLANE SUITABLE FOR FORWARD AIR CONTROLLER (FAC) WORK. MISSION: FLY OUT 100 NM FROM HOME BASE, LOITER AT 5000 FT. OR BELOW AND RETURN TO HOME BASE. EQUIPMENT: 2-ARC-34 UHF COMM. SETS (ONE SET FOR BACKUP), UHF-101 (AM), ARC-44 UHF (FM), 618T(SSB) LONG RANGE RECEIVER/TRANSMITTER, ARC-97 RADIO RELAY UHF, 3-600 GAL. EXT. FUEL TANKS. ARMAMENT: 4-LAU-3(2.75 INCH 19 ROCKET PACKAGE FOR TARGET MARKING) SPARROW III WEAPONS AND APQ-100 RADAR MAY BE DELETED IF NECESSARY FOR INSTALLATION OF COMMUNICATION EQUIPMENT. 2-J79-GE-15 AEA-33	6-28-63	E6610-201
98	EF	ROYAL AUSTRALIAN AIR FORCE	F-4C	THE BASIC F-4C AIRPLANE AS A STARTING BASE WILL BE CONFIGURED BY MODIFICATIONS AS FOLLOWS: 15° STABILATOR, APQ-99 RADAR, REMOVE ALL SPARROWS AND ASSOCIATED EQUIPMENT, APA-157, ETC. ADD 600 GAL. WING TANKS UNPLACARDED; REMOVE TAIL HOOK (ADD FAIRING); REMOVE BOOM RECEPTACLE (ADD 14 GALS. FUEL) 2-J79/J1B AEA-36	7-22-63	E6610-201
98	EG	ROYAL AUSTRALIAN AIR FORCE	F-4C	THE BASIC F-4C AIRPLANE AS STARTING BASE WILL BE CONFIGURED BY MODIFICATIONS AS FOLLOWS: 15° STABILATOR; AN/APQ-100 RADAR TO PROVIDE AIR-TO-GROUND RANGING AND TERRAIN AVOIDANCE; REMOVE ALL SPARROW AND ASSOCIATED EQUIPMENT; ADD 600-GAL. WING TANKS (UNPLACARDED); REMOVE TAIL HOOK (ADD FAIRING); REMOVE BOOM RECEPTACLE (ADD 14 GALS. FUEL); ADD BOMBING COMPUTER (MERGENTHALER) ON NOSE PACKAGE. 2-J79/J1B AEA-36	7-22-63	E6610-201

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	EH	ROYAL AUSTRALIAN AIR FORCE	RF-4C	THE BASIC RF-4C AIRPLANE AS A STARTING BASE WILL BE CONFIGURED BY MODIFICATIONS AS FOLLOWS: REPLACE THE FORWARD FUSELAGE (AHEAD OF F.S. 249.65) WITH THE RF-4B FORWARD FUSELAGE. 15° STABILATOR; REMOVE: SIDE-LOOKING RADAR, I.R. MAPPER, BOOM RECEPTACLE (ADD 14 GALLONS FUEL); ADD: AN/AWW-1 FUSING PANEL; DEPRESSIBLE RETICLE SIGHTS; PROVISION FOR MER AND TER RACKS-WIRING AND CONTROLS; 600-GALLON WING FUEL TANK. 2-J79/J1B AEA-36	7-22-63	E6610-201
	THIS MODEL REPLACED BY MODELS 98 DU AND 98 DY.					
98	EJ	USAF ADC	F-4C	THE F-4C AS A STARTING BASE WITH THE FOLLOWING CHANGES: 2-J79/J1B ENGINES, AN/ASG-18 MARK II (WITH C.W. INJECTOR), 4-SPARROW 6b MISSILES SEMISUBMERGED ON FUSELAGE 2-GAR-9 MISSILES ON WING PYLONS, ARR-60 DATA LINK (MODIFIED FOR A.F. NO. 7 FUEL TANK, PROVISIONS FOR 600 GAL. WING TANKS, 30 KVA GENERATORS, 15° NEGATIVE DIHEDRAL STABILATOR, J-4 COMPASS. HUGHES IR SEEKER. 2-J79/J1B (MCDONNELL REPORT A107) AEA-31	8-16-63	
98	EK	NAVY	RF-4B	USING THE RF-4B AS A BASE, THE MODEL 98EK WILL BE CONFIGURED AS FOLLOWS: 15° STABILATOR WITH INCREASED AREA, HIGH LIFT WING (CONFIGURATION 4), 600 GAL. EXTERNAL WING TANKS. INCREASED FUEL VOLUME IN NO. 1 AND NO. 2 TANKS. LANDING GROSS WEIGHT SHALL BE 38,000 LBS AT 24 FT/SEC., EXTRA EXTENDIBLE NOSE GEAR, STRONGER MAIN GEAR WITH INCREASED STROKE AND LARGER WHEELS AND TIRES (30 X 11.5-14.5 TYPE VIII), MOD. OF INERTIAL NAV. SYSTEM TO INCLUDE TRANSFER ALIGNMENT, ALL OTHER EQUIPMENT WILL REMAIN THE SAME AS ON THE PRESENT RF-4B, BRAZED HYDRAULIC AND PNEUMATIC LINES, WEIGHT SAVING ITEMS-TITANIUM BLC, TITANIUM FASTENERS, AND ONE PIECE WINDSHIELD, PROVISIONS FOR AIQ-100 ECM PODS. 2-J79-GE-8 AEA-40	10-18-63	E6610-201

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	EL	AF	RF-4C	USING THE RF-4C AS A BASE, THE MODEL 98EL WILL BE CONFIGURED AS FOLLOWS: 15° STABILATOR WITH INCREASED AREA, HIGH LIFT WING (CONFIGURATION 4), 600 GAL. EXTERNAL WING TANKS, INCREASED FUEL VOLUME IN NO. 1 AND NO. 2 TANKS, EQUIPMENT REMAINS THE SAME AS IN THE PRESENT RF-4C, BRAZED HYDRAULIC AND PNEUMATIC LINES, WEIGHT SAVING ITEMS - TITANIUM BLC, TITANIUM FASTENERS, AND ONE PIECE WINDSHIELD, PROVISIONS FOR QRC-160 ECM PODS. 2-J79-GE-15 AEA-40	10-18-63	E6610-201
98	EM	USAF TAC	F-4C	USING THE F-4C AS A BASE THE MODEL 98EM WILL BE CONFIGURED AS FOLLOWS: APQ-100 RADAR LEAD COMPUTING SERVOED SIGHT, SEPARATE TERRAIN FOLLOWING RADAR MOVING MAP DISPLAY 30KVA GENERATORS. 2-J79-GE-15	11-1-63	E6610-201
98 ECP 7010 8568-151	EN	USAF	F-4D	USING THE PRESENT F-4C AS A BASE THE MODEL 98EN WILL BE CONFIGURED AS FOLLOWS: APQ-100 (MOD. TO PROVIDE HI-RESOLUTION DISPLAY, AIR-GROUND RANGING) DIVE TOSS BOMB COMPUTER, LEAD COMPUTING SERVOED SIGHT, MOD. OF INERTIAL SYSTEM, MOD. OF COOLING SYSTEM, MINIATURIZED CNI, AUTOPILOT IMPROVEMENT, 36,000 LBS. GROSS LANDING WEIGHT, RAIN REMOVAL, GUN POD PROVISIONS DESIGN GROSS WEIGHT 37,500 LBS., MAX. IANDING WEIGHT 51,000 LBS. 2-J79-GE-15 AEA 43	11-27-63	730-Z2
98	EO	USAF	F-4E	USING THE F-4 AS A BASE THE MODEL 98EO WILL BE CONFIGURED AS FOLLOWS: AWG-10 MISSILE CONTROL SYSTEM, DIVE TOSS BOMB COMPUTER, LEAD COMPUTING SERVOED SIGHT, MOD. OF INERTIAL SYSTEM, MOD. OF COOLING SYSTEM, 30KVA GENERATORS, MINIATURIZED CNI, AUTOPILOT IMPROVEMENT, 36,000 LBS. LANDING WEIGHT, RAIN REMOVAL, GUN POD REVISIONS, DROOPED AILERONS; DESIGN GROSS WEIGHT 37,500 LBS. MAX. LANDING WEIGHT 51,000 LBS. 2-J79-GE-15 AEA-43	11-27-63	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	EP	USAF TAC	F-4C	USING THE F-4C AS A STARTING BASE THE MODEL 98EP WILL BE CONFIGURED AS FOLLOWS: AWG-10 RADAR WITH AAA-4IR, LEAD COMPUTING SERVOED SIGHT, MOVING MAP DISPLAY, AUSTERE BOMB COMPUTER, MINIATURIZED CNI, 30KVA GENERATORS, DROOPED AILERONS. 2-J79/J1B	11-1-63	E6610-201
98	EQ	FOR GREAT BRITAIN	F-4B	USING THE F-4B AS A BASE THE MODEL 98EQ WILL BE CONFIGURED AS FOLLOWS: EXTRA-EXTENDIBLE NOSE GEAR, DESIGN GROSS WEIGHT - 73,500 LBS. LANDING MAX. WEIGHT - 34,000 LBS. 2-J79-GE-8 AEA-41	11-14-63	E6610-201
98	ER	FOR GREAT BRITAIN	F-4B	USING THE F-4B AS A BASE THE MODEL ER WILL BE CONFIGURED AS FOLLOWS EXTRA-EXTENDIBLE NOSE GEAR, 2 - ROLLS ROYCE RB168-1R ENGINE; DESIGN GROSS WEIGHT 37,500 LBS. LANDING MAX. WEIGHT 34,000 LBS. 2-RB168-1R ROLLS ROYCE AEA-41	11-14-63	E6610-201
98	ES	FOR GREAT BRITAIN	F-4B	USING THE F-4B AS A BASE THE MODEL ES WILL BE CONFIGURED AS FOLLOWS EXTRA-EXTENDIBLE NOSE GEAR, 2-ROLLS ROYCE RB168-1R ENGINES, DROOPED AILERONS (ECP's 430, 457R1, 505R1) DESIGN GROSS WEIGHT 37,500 LBS. LANDING MAX. WEIGHT 36,000 LBS. 2-RB168-1R ROLLS ROYCE AEA-41	11-14-63	E6610-201
98	ET	FOR GREAT BRITAIN	F-4B	USING THE F-4B AS A BASE THE MODEL ET WILL BE CONFIGURED AS FOLLOWS EXTRA-EXTENDIBLE NOSE GEAR, 2-ROLLS ROYCE RB168-1R ENGINES, HI-LIFT WING DESIGN GROSS WEIGHT - 40,700 LBS. LANDING MAX. WEIGHT - 38,000 LBS. 2-RB168-1R ROLLS ROYCE AEA-41	11-14-63	E6610-201
98	EU	USAF TAC	F-4C	SAME AS MODEL 98EE EXCEPT THE MODEL 98EU WILL HAVE 2 COMMUNICATION POD CONFIGURATION AS FOLLOWS: #1 POD WILL CARRY THE FOLLOWING EQUIPMENT: AN/ARC-97, AN/ARC-44 RECEIVER-TRANSMITTER, AN/ARC-73 RECEIVER-TRANSMITTER AND AN/ARC-51 UHF COMM. #2 POD WILL BE A MOD. 600 GAL. TANK WITH 460 GAL. CAPACITY WITH COMMUNICATION EQUIPMENT ON BOTH ENDS OF POD. 2-J79-GE-15 AEA-45	12-6-63	E6610-201

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	EV	USN	F-4J ADVANCED	USING THE F-4B AS A BASE THE MODEL 98EV WILL BE CONFIGURED AS FOLLOWS: AWG-10 MISSILE CONTROL SYSTEM, ASW-21A DATA LINK, AUTOMATIC POWER COMPENSATOR, 30KVA GENERATORS, ECP 467, INCLUDING 38,000 LBS. LANDING WEIGHT AND DROOPED AILERONS, EXTENDED NOSE GEAR 34,950 LBS. DESIGN GROSS WEIGHT, REMOVE AN/AAA-4 IR, MIN. CNI AN/AJD-7 3500 CHANNEL UHF. 2-J79-GE-8 AEA-46 SD-513-1-8 SUPPLEMENT NO.1	12-10-63	E6610-201
98	EW	USN	F-4B	USING THE F-4J AS A BASE THE MODEL 98EW WILL BE CONFIGURED AS FOLLOWS: CHANGE TO MINIATURIZED CNI, ASN-44 NAVIGATION SYSTEM, SERVOED SIGHT, BOMB COMPUTER, AFT FUSELAGE EQUIPMENT BAY, RADAR HOMING AND WARNING, 37,500 LBS. DESIGN GROSS WEIGHT 2-J79-GE-8 AEA-46	12-10-63	E6610-201
98	EX	USN	F-4L	USING THE ADVANCED F-4B AS A BASE THE MODEL F-4L WILL BE CONFIGURED AS FOLLOWS: CHANGE TO HIGH LIFT WING AND TAIL, INCORPORATE FIXES FOR 38,000 LBS. LANDING WEIGHT, 30 X 11.5 MAIN GEAR WHEELS AND TIRES, INCORPORATE CHANGES TO CARRY 600 GAL. WING TANKS. 40,700 DESIGN GROSS WEIGHT 2-J79/J1B AEA-46	12-10-63	E6610-201
98	EXA	USN	F-4LA	THE F-4B AIRPLANE WITH THE FOLLOWING CHANGES: 2 - J79/J1B ENGINES, INTERNAL FUEL - 2200 GALS., 2 - 600 GAL. WING TANKS, NO. 7 FUEL TANK, FUEL SEQUENCING #2 TANK, WING AREA - 595 SQ. FT., BLC FLAPERON, O.W. AILERON, -15° DIHEDRAL 30 X 11.5 M.L.G. TIRE, EXTRA-EXTENDIBLE N.L.G., 6 - SPARROW III 6B MISSILES, SHRIKE MISSILE, 2 - PHOENIX MISSILES, GUN MODULE (ALTERNATES), AN/AWG-10 MULTI-SHOT, WECO-DIGITAL COMPUTER DIVE TOSS CAPABILITY, ASN-44 NAV. COMPUTER, NO. 1 FUEL CELL EQUIPMENT BAY, 30KVA GENERATORS, FULL MINIATURIZED CNI, AIR-TO-AIR IFF, ASW-21 DATA LINK. 2-J79/J1B AEA-54	6-22-64	E6610-201

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	EY	USAF (TAC)	F-4D-1	SAME AS MODEL 98EN EXCEPT THE MODEL 98EY WILL USE J79/J1B ENGINES AND THE MOD. OF THE COOLING SYSTEM HAS BEEN DELETED. 2-J79/J1B AEA-43	12-16-63	730-Z2
98	EZ	USAF	F-4E-1	SAME AS MODEL 98EO EXCEPT THE MODEL 98EZ WILL USE J79/J1B ENGINES. 2-J79/J1B AEA-43	12-16-63	730-Z2
98	FA	F-4K	F-4K	2-J79/J1B	1-10-63	E6610-201
98	FB	BRITISH NAVY	F-4K	USING THE MODEL 98EV AS A STARTING BASE THE MODEL 98FB WILL BE CONFIGURED AS FOLLOWS: 2 - RB168-25R ROLLS ROYCE ENGINES. REMOVAL OF AN/ASW-21 DATA LINK. REMOVAL OF THE AN/AAA-4-IR. REMOVAL OF SPARROW MISSILE CAPABILITY AT B.L. 81.5 STATIONS. ELIMINATION OF RAM AIR TURBINE (RAT). ADD PROVISIONS FOR A FOLDING RADAR ANTENNA. USE OF TITANIUM ON ALL ENGINE MOUNTS. 2-RB168-25R ROLLS ROYCE SD-513-1RN (MCDONNELL REPORT A453)		E6610-201
98	FC	RAF	F-4E	SAME AS MODEL 98EO EXCEPT FOR THE FOLLOWING CHANGES: 2 - RB168-25R ROLLS ROYCE ENGINES 2 - RB168-25R (MCDONNELL REPORT A456)	2-5-64	E6610-201
98	FD	VAL USAF	F-4D	SAME AS MODEL 98EN EXCEPT WILL USE J79/J1B ENGINE J79/J1B	2-5-64	E6610-201
98	FE	VAL USAF	F-4D	SAME AS MODEL 98EN EXCEPT FOR THE FOLLOWING CHANGES: 2 - J79/J1B APQ-99 RADAR 2-J79/J1B	2-5-64	E6610-201
98	FF	VAL USAF		SAME AS MODEL 98EN EXCEPT FOR THE FOLLOWING CHANGES: 2 - RB168-25R ROLLS ROYCE ENGINES 2-RB168-25R ROLLS ROYCE	2-5-64	E6610-201

M. SENSITIVE

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	FG	USN	F-4B (VERY ADVANCED)	USING THE F-4B AS A BASE THE MODEL 98FG WILL BE CONFIGURED AS FOLLOWS: ENGINES: 2 - J79/J1B. WING AREA: 600 SQ. FT., L.E. SLATS, DOUBLE SLOTTED FLAPS, FLAPERON, OUTBD. AILERONS, HORIZONTAL TAIL: 119 SQ. FT. AWG-10 WITH MULTISHOT SPARROW & PHOENIX, ALSO SPARM 4 SPARROW III-6c OR SPARM SEMI-SUBMERGED, 2 PHOENIX B.L. 81.50 (4 TOTAL) LENGTHEN NOSE 18", LENGTHEN AFT. FUS. INTERNAL FUEL - 2800 LBS. (ADD #7 TANK, MODIFY #1 AND 2) SERVO STABILIZED SIGHT. DIVE TOSS COMPUTER, INERTIAL NAV. ASN-44, RADAR WARNING AND HOMING; MINIATURIZED CNI, ASW-21 DATA LINK, 30KVA GENERATORS, AUTO THROTTLE, EX.-EXTENDIBLE NOSE GEAR, WING TANKS - 600 GALS. AIQ-100 POPS, PROVISIONS FOR 20MM GUNS, CRYPTOGRAPHIC COMPUTER AND ALTITUDE REPORTING, LANDING WT. - 39,000 LBS. 2-J79/J1B AEA-51	2-19-64	E6610-201
98	FH	USN	F-4B (VERY ADVANCED)	SAME AS MODEL 98FG EXCEPT FOR THE FOLLOWING CHANGES: 2 - TF-30 PRATT-WHITNEY ENGINES, WING AREA: 640 SQ. FT. 2-TF-30 AEA-51	2-19-64	E6610-201
98	FHa	USN	F-4B	THE F-4B AIRPLANE WITH THE FOLLOWING CHANGES: 2 - JTF10A-20 ENGINES, INTERNAL FUEL - 2815 GALS. 2 - 600 GALS. WING TANKS, NO.7 FUEL TANKS, FUEL SEQUENCING #2 TANK, WING AREA - 640 SQ. FT. BLC FLAPERON, O.W. AILERON -15° DIHEDRAL, FOLDING VERTICAL TAIL, 30 X 11.5 M.L.G. TIRE, NEW M.L.G., NEW N.L.G., EX.-EXTENDIBLE 6 - SPARROW III 6B MISSILES, SHRIKE MISSILE, 2 - PHOENIX MISSILES, GUN MODULE (ALTERNATE), AN/AWG-10 MULTISHOT, WECO-DIGITAL COMPUTER DIVE, TOSS CAPABILITY, ASN-44 NAV. COMPUTER, NO. 1 FUEL CELL EQUIP. BAY LEAD COMPUTING SERVOED SIGHT, 30KVA GENERATOR, FULL MINIATURIZED CNI, AIR-TO-AIR IFF, ASW-21 DATA LINK JTF10A-20 AEA-54	6-22-64	E6610-201
98	FI	USN	F-4B (VERY ADVANCED)	SAME AS MODEL 98FG EXCEPT FOR THE FOLLOWING CHANGES: 2 - RB168-25R ROLLS ROYCE ENGINES. WING AREA: 560 SQ. FT. 2-RB168-25R AEA-51	2-19-64	E6610-201

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	FJ	USN	F-4B (VERY ADVANCED)	USING THE F-4B AS A BASE, THE MODEL 98FJ WILL BE CONFIGURED AS FOLLOWS: 2 - TF-30 PRATT-WHITNEY ENGINES (VECT. THRUST F-4 TYPE) (UPRATED) WING AREA: SAME AS F-4B L.E. FLAPS (BLC) BLC FLAPS, AWG-10 WITH MULTISHOT SPARROW AND PHOENIX, ALSO SPARM, 4 - SPARROW III-6C OR SPARM SEMISUBMERGED, LENGTHEN NOSE 18", INTERNAL FUEL-2200 GALS., SERVO-STABILIZED SIGHT, DIVE TOSS BOMB COMPUTER, INERTIAL NAV. ASN-44, RADAR WARNING AND HOMING MINIATURIZED CNI, ASW-21 DATA LINK, 30KVA GENERATORS, AUTO THROTTLE, EX.-EXTENDIBLE NOSE GEAR, WING TANKS - 600 GALS., AIQ-100 PODS, PROVISIONS FOR 20MM GUNS, CRYPTOGRAPHIC COMPUTER AND ALTITUDE REPORTING, LANDING WT. - 38,000 LBS. 2 - TF-30 (VECT. THRUST) AEA-51	2-19-64	E6610-201
98	FK	USN	F-4B (VERY ADVANCED)	SAME AS MODEL 98FJ EXCEPT FOR THE FOLLOWING CHANGES: L.E. FLAPS (2 POSITION) FLAPERON, OUTBD. AILERONS, HORIZONTAL TAIL: 119 SQ. FT. 2 - TF-30 (VECT. THRUST) AEA-51	2-19-64	E6610-201
98	FL	USAF	RF-4C	MOD. OF RF-4C FOR AUTOMATIC TERRAIN FOLLOWING 2-J79/J1B	4-24-64	E6610-236
98	FM	USN	F-4B	WING AREA: 595 SQ. FT. JTF10A-20 AEA-51	5-6-64	
98	FN	USN	F-4B	WING AREA: 636 SQ. FT. TF-30 AEA-51	5-6-64	
98	FO	USN	F-4L MOD.	SAME AS 98EX RB-168-25R AEA-51	5-15-64	

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	FOA	USN	F-4L	THE F-4B AIRPLANE WITH THE FOLLOWING CHANGES: 2 - RB168-25R ENGINES, INTERNAL FUEL - 2200 GALS., 2 - 600 GAL. WING TANKS, NO. 7 FUEL TANK, FUEL SEQUENCING #2 TANK, BLC FLAPERON, O.W. AILERON, -15° DIHEDRAL, EX.-EXTENDIBLE NLG, 6 SPARROW III 6B MISSILES, SHRIKE MISSILE, 2 - PHOENIX MISSILES, GUN MODULE (ALTERNATE), AN/AWG-10 MULTISHOT, WECO DIGITAL COMPUTER DIVE TOSS CAPABILITY, ASN-44 NAV. COMPUTER, NO. 1 FUEL CELL, EQUIPMENT BAY, LEAD COMPUTING SERVOED SIGHT, 30KVA GENERATORS, FULL MINIATURIZED CNI, ARN-52 MIN. TACAN, AIR-TO-AIR IFF, CRYPTO. COMP. AND ALT. REPORTING, ASW-21 DATA LINK. 2-RB168-25R AEA-54	6-22-64	E6610-201
98	FP	USN	RF-4B (ADVANCED)	THE RF-4B AIRPLANE WITH THE FOLLOWING CHANGES: 2 - J79/J1B ENGINES, INTERNAL FUEL - 2091 GALS., 2 - 600 GAL. WING TANKS, FUSELAGE LENGTH +18", WING AREA (SQ. FT.) 595, BLC FLAPERON, O.W. AILERON, HORIZ. TAIL AREA (SQ. FT.) 119, -15° DIHEDRAL, M.L.G. TIRE SIZE - 30 X 11.5, EX. EXTENDIBLE N.L.G., STROBE LIGHT POD, MINIATURIZED CNI, H.F. COMM. SET - AVCO AT-400, IMP. ACCURACY OF AIRBORNE NAVIGATION, COMPUTER SET, IMPROVED RADAR MAPPING SET SLR, MICRO. MIN. FLT. DIRECTOR GROUP, REMOVE JACKPADS LDG. GR., REMOVE BELLMOUTH OIL COLOER REMOVE CABIN HEAT AUTO. CONTROL, USE TITANIUM FOR STN. STL., INTERMEDIATE SHEET METAL GAGES, RIGID WING FUEL TRANS. LINE, CHEM. MILLED COCKPIT FLOOR, KEEL WEB REDESIGN. 2-J79/J1B AEA-55	7-15-64	E6610-201
98	FQ	USAF	RF-4C (ADVANCED)	THE RF-4C WITH THE FOLLOWING CHANGES: INTERNAL FUEL - 2081 GALS., 2 - 600 GAL. WING TANKS, +18" FUSELAGE LENGTH, 595 SQ. FT. WING AREA, BLC FLAPERON, O.W. AILERON, 119 SQ. FT. HORIZ. TAIL AREA, -15° DIHEDRAL, N.L.G. DRAG BRACE, STROBE LIGHT POD, FULL MINIATURIZED CNI, ARN-52 MIN. TACAN, 3500 UHF CHANNEL, MINIATURIZED	7-15-64	E6610-201

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	FQ	(CONTINUED)		CNI SET, AVCO AT-400 H.F. COMM. SET, IMPROVED ACCURACY VERSION (MINAC) AIRBORNE NAVIGATION COMPUTER SET, IMPROVED RADAR MAPPING SET SLR, MICRO MIN. FLT. DIRECTOR, REMOVE JACKPADS, LDG. GR., REMOVE BELLMOUTH OIL COOLER, REMOVE CABIN HEAT AUTO. CONTROL. USE TITANIUM FOR STN. STL., INTERMEDIATE SHEET METAL GAGES, RIGID WING FUEL TRANS. LINE, CHEM MILLED COCKPIT FLOOR, KEEL WEB REDESIGN 2-J79/J1B AEA-56		
98	FR	USN	F-4B (ADVANCED) WITH AWG-9 MCS	USING THE F-4J AS A BASE, CONFIGURE AN AIRPLANE SIMILAR TO MODEL 98FHA BUT WITH THE AWG-9 MCS INSTALLED. 2 - 600 GAL. EXTERNAL TANKS, 640 SQ. FT. WING, BLC FLAPERON & O.W. AILERON, AN/ASN-44 INERTIAL NAV. SET, MINIATURIZED AN/ASW-21 DATA LINK, NEW MAIN LANDING GEAR, 30 X 11.5 MLG TIRES, PHOENIX MISSILE PROVISIONS, NEW EQUIPMENT COOLING PACKAGE, 60 KVA GENERATOR AND CSD, 18 IN. NOSE EQUIPMENT BAY WITH NEW RADOME, INCREASED AREA STABILATOR WITH -15° DIHEDRAL, EXTRA-EXTENDIBLE NLG WITH CATAPULT TOW CAPABILITY, SERVOED SIGHT, RADAR WARNING & HOMING, AN/ALQ-100 PODS, AIR-TO-AIR IFF, AN/ASQ-91 WEAPONS RELEASE COMPUTER, 20MM GUN MODULE PROVISIONS, NO. 7 FUEL TANK, INCREASED INTERNAL FUEL, RAISED UPPER SHEER, FOLDING VERTICAL TAIL AND LENGTHENED AFT FUSELAGE. TF-30-P-1 AEA-57	8-6-64	
98	FS		F-4C WITH RB168 ENGINE	AEA-58	8-7-64	
98	FT		F-4D WITH RB168 ENGINE	AEA-58	8-7-64	
98	FU		F-4 MACH 1.6	GEI/FIO AEA #60		
98	FV		F-4 MACH 1.6	640 SQ. FT. WING (MCDONNELL REPORT B964) J79/J1B ENGINE AEA #60		

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	FW		ADVANCED F-4B	USING F-4J AS A BASE CONFIGURE AN AIRPLANE WITH TJ60D5A2 (SCALED), 2330 GAL. INTERNAL FUEL. THE EQUIPMENT BAY ABOVE NO. 1 FUEL CELL SHALL BE ELIMINATED AND THE FUEL SYSTEM REVISED CONSISTENT WITH WEIGHT AND BALANCE REQUIREMENTS. CW TJ60D5A2 (SCALED) AEA-62	9-25-64	
98	FX		ADVANCED F-4B	USING F-4J AS A BASE CONFIGURE AN AIRPLANE WITH TJ60D5A2 (SCALED) 2330 GAL. INTERNAL FUEL, 595 SQ. FT. WING AREA, 119 SQ. FT. HORIZONTAL TAIL AREA, -15° DIHEDRAL, 30 X 11.5 MLG TIRE SIZE, NEW MLG SIDE BRACE, 6 SPARROW III 6B MISSILES, CW T60D5A2 (SCALED) AEA-62	9-25-64	
98	FY		ADVANCED F-4C	CLOSE SUPPORT VERSION AEA-63	10-1-64	
98	FZ	USAF	LGA VERSION OF THE F-4C	USING THE F-4C AS A BASE, THE 98FZ WILL BE CONFIGURED AS FOLLOWS: TWO PLACE CONFIGURATION WILL BE RETAINED, 20MM M61 GUN PLACED IN THE NOSE, PROVISIONS FOR ECM AND GUN PODS, SIDEWINDER 1A, REMOVE BULL PUP PROVISIONS, REMOVE ALL AIR-TO-AIR EXCEPT SIDEWINDER, INCLUDING AERO 1A, APA-157, SPARROW PROVISIONS. REMOVE THE FOLLOWING: WING FOLD AND PIN-PULL MECHANISM, VARIABLE DUCT RAMPS (LEAVE VARIABLE BELLMOUTH), RAM AIR TURBINE, TAIL HOOK AND REPLACE WITH LIGHT WEIGHT HOOK, REMOVE RADOME, REPLACE WITH METAL NOSE, REMOVE ALL BUT STAB-AUG MODE FROM AUTOPILOT, REMOVE IFR RECEPTACLE, AILERON-RUDDER INTERLOCK AND TOW MECHANISM. USE ELECTRIC SHUT-OFF VALVE FOR BLC SO THAT T.O. CAN BE MADE WITH FLAPS BUT WITHOUT BLC. 2J79-J1B (MCDONNELL REPORT B901) AEA-64	10-8-64	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	GA			THE MODEL 98GA WILL BE THE SAME AS 98FZ EXCEPT AS FOLLOWS: REMOVE J79/J1B ENGINES; ADD J79-15 ENGINES, REMOVE LASER EQUIPMENT, REMOVE LLLTV, REMOVE NO. 7 FUEL TANK, AFT SEAT, AFT CONTROLS AND ALL INSTRUMENTS AND EQUIPMENT WHICH ARE FOR THE AFT COCKPIT ONLY, REMOVE PROTECTIVE ARMORY. J79-15 AEA-65	10-8-64	E66-10-201
98	GB		ADVANCED F-4B	98FV WITH INTEGRATED AVIONICS SYSTEM, AND IMPROVED ELECTRONIC EQUIPMENT ACCESS (NAVY) MCDONNELL REPORT B206 AEA-72	12-2-64	
98	GC	USN	ADVANCED RF-4B	USE RF-4B AS BASE AIRCRAFT 2283 INTERNAL FUEL, 600 FUSELAGE LENGTH, 640 SQ. FT. WING AREA, 119 SQ. FT. HORIZ. TAIL AREA, HF COMM. SET AVCO AT-400 , (MCDONNELL REPORT B615,B964) J79-J1B AEA-69	12-2-64	E6610-201
98	GD	USN	ADVANCED RF-4B	USE RF-4B AS BASE AIRCRAFT 2283 INTERNAL FUEL, 600 FUSELAGE LENGTH, 640 SQ. FT. WING AREA, HF COMM. SET AVCO AT-400 RB-168-25RA AEA-69	12-2-64	E6610-201
98	GE	USN		DELETED FROM AEA #69, 7 JAN. 1965 AEA-69	12-2-64	
98	GF			F-4 (FV) WITH RB-168-36R DUCT SIZES REMAIN SAME AS FOR RB-168-25RA RB-168-25RA AEA-70 AEA-88	12-11-64	E6610-201

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	GG		ADVANCED F-4E	F-4 WITH INTEGRATED AVIONICS SYSTEM (AIR FORCE). INTERNA. FUEL 1972 GAL., FUSELAGE LENGTH 26-0-0. THE 98EZ SHALL BE ASSUMED AS A STARTING BASE. J79/J1B MCDONNELL REPORT B399 AEA-73	12-29-64	E6610-201
98	GH			F-4 LIGHT ATTACK VERSION IMPROVED PERF. REMOVED SOME AVIONICS EQUIP., IMPROV. 98FZ AEA-	1-13-65	
98	GI			F-4E WITH ENGLISH RECONNAISANCE PACK EQUIPMENT IN POD		
98	GJ			F-4E WITH ENG RECON. PACK + RF-4C SLR IN POD		
98	GK			RF-4C WITH ENG RECON. EQUIPMENT INTERNALLY CARRIED		
98	GL			RF-4C WITH ENG RECON. EQUIP. PLUS RF-4C SLR INTERNALLY CARRIED		
98	GM	USAF	ADVANCED F-4	USE THE F-4E AS THE BASE AIRCRAFT, WING AREA OF 640 SQ. FT. HORIZONTAL TAIL AREA OF 119 SQ. FT. MCDONNELL REPORT B751 J79-17 AEA-75	1-21-63	E6610-201
98	GN	RAF		F-4K WILL ENG P1154 PHOTO RECON. EQUIP. ADDED ELECTRONICS WILL BE: INERTIAL NAV. SYS., F-4D BOMB COMPUTER, LEAD COMPUTING SIGHT, RF COMM (SSB) AN/ARC-105. REMOVE DUAL CONTROLS. AEA-76	1-21-65	E6610-201
98	GO	USAF	F-4C	ADVANCED F-4C WITH NEW WING PLANFORMS 2(600) GAL. FUEL TANKS. J79-17 AEA-80	1-21-65	E6610-201

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	GP			F-4K WITH RF AFT FUSE. AND P1154 RECON. POD AS CONFIGURED BY BRITISH	1-22-65	
98	GQ			F-4 LIGHT ATTACK	1-29-65	
98	GR		F-4E	MODEL F-4D PLUS AWG-10 J79-GE-15	2-5-65 E. PIJUT	
98	GS		F-4E	MODEL F-4D PLUS AN/APQ-109/CORDS J79-GE-15	2-5-65 E. PIJUT	
98	GT	NAVY	F-4B	ELECTRONIC WARFARE VERSION BASED ON F-4B (GIVEN TO PETERS BY PIJUT - CAPABLE OF CARRYING ONE CCM AND CHAFF PODS EXTERNALLY AND PASSIVE RECEIVING EQUIPMENT INTERNALLY ABOVE MUST BE IN NAVY INVENTORY TO ENSURE EARLY OPERATIONAL AVAILABILITY OF THE A/C, STRIKE WILL BE CARRIED ON WINGS STATIONS IN LIEU OF FUSELAGE MOUNTED SPARROWS - WELL COVERS ADDED. AEA-84	6-2-65	E6610-201
98	GU	NAVY	F-4B	MODIFIED F-4B TO OPERATE FROM HANCOCK CLASS CARRIER, MCDONNELL REPORT B944	6-8-65 N. PETERS	
98	GV	AF	F4C	USE M61 GUN, FITTED WITH 3 BARRELS AND MODIFIED F-105 LINKLESS DRUM WITH 600 ROUND AMMUNITION, BASIC AIRPLANE IS F-4 (TSF)/2 PLACE CONFIG., USE RF-4 NOSE CONTOURS, HUGHES AIR-TO-GROUND LASER RANGES, LARGEST RADAR ANTENNA POSSIBLE, RETAIN SPARROW III MISSILE CAPABILITY, #7 FUEL TANK FOR BALLAST IF REQUIRED. ADD AIR-TO-AIR I.F.F. (AN/APX-69) PROVISIONS AEA-89	7-21-65 N. PETERS	E6610-201

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	GW	AF	F-4C	USING M 39 GUN - 300 ROUNDS OF AMMUNITION, BASIC AIRPLANE IS F-4(TSF)/2 PLACE CONFIGURATION, USE RF-4 AIRPLANE NOSE CONTOURS, ADD AIR-TO-AIR I.F.F. (AN/APX-69) PROVISIONS. AEA-89	7-21-65 N. PETERS	
98	GX		F4(FX)	INTERNAL GUNS, BETTER REARWARD VISIBILITY, 98FV PERFORMANCE, IMPROVED ATTACK AVIONICS. AEA-91	7-26-65 L.BRADLEY	E6610-201
98	GY		CATS (CARRIER ADV. TACT-ICAL SYS.)	DECKED LAUNCHED INTERCEPT, BEACHHEAD AIR SUPERIORITY ENEMY DEFENSE SUPPRESSION (SHRIKE, BULLPUP, WALLEYE) AEA-91	7-26-65 L.BRADLEY	E6610-201
98	GZ		F-4C AF	MODEL 98GM/ASG-18 RADAR	8-5-65 N. PETERS	
98	HA		F-4(TSF)	SP.III/SADDLE/RADAR/M-61 GUN AEA-92 NOT RELEASED	8-25-65 L.BRADLEY	
98	HB		F-4(TSF)	SP. III/APQ-109/M-61 GUN AEA-93 NOT RELEASED	8-31-65 L.BRADLEY	
98	HC		ADVANCED RF-4C	IMPROVED ELECTRONICS QUICK ACCESS TO RECORDERS ENVIRONMENT FOR COMPONENTS SHALL BE FROM -10°C TO +60°C EXCEPT FOR RECORDERS WHICH SHALL HAVE AN ENVIRONMENT OF FROM 10°C TO +55°C. PROVIDE A READOUT SCOPE AND CONTROL PANEL IN THE R.O.'s COMPARTMENT. (MCDONNELL REPORT E201) AEA-94	9-14-65 N. PETERS	
98	HD	TAC	F-4D	M61, TSF RADAR J79-17	10-1-65 N. PETERS	
98	HE	ADC	F-4D	AWG 10 J79-17	10-1-65 N. PETERS	
98	HF		F-4E	MODEL F-4D PLUS AN/APQ/CORDS J79-GE-17	11-1-65 L.SCHMID	
98	HG		RF-4C	TACTICAL ELINT - THE CONFIGURATION WOULD BE BASIC RF-4C AND ADDING THOMPSON-RAMS WOOLRIDGE (TRW) ELINT EQUIP. INTERNALLY INSTALLED. AEA-97, AEA-98	11-2-65 L.BRADLEY	E6610-201

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	HG		RF-4C	TACTICAL ELINT - THE CONFIGURATION WOULD BE BASIC RF-4C AND ADDING THOMPSON - RAMS WOOLRIDGE (TRW) ELINT EQUIP, INTERNALLY INSTALLED. AEA-98, AEA-97	2-11-65 L.BRADLEY	E6610-201
98	HH		RF-4C	VERY ADVANCED RF-4C A FORWARD LOOKING RADAR, INTERNAL ELINT, TWO KA-60 LAP CAMERAS, LASER CAMERA, IMPROVED IR MAPPER. ADVANCED INS, DATA TRANSFER CAPABILITY, 98HC BASIC AIRCRAFT. AEA-99 (MCDONNELL REPORT E 575)	4-11-65 L.BRADLEY	E6610-201
98	HI		RF-4J	RF-4J PROPOSED FOR SALES DEPT. RF-4B (SD-513-IR-1-R1)BASIC A/C, IMPROVED CARRIER SUITABILITY AEA-101	29-11-65 L.BRADLEY	E6610-201
98	HJ		RF-4C	VERY ADVANCED RF-4C 98HC BASIC A/C PRIORITY OVER HH, APQ-99 FORWARD LOOKING RADAR, IMPROVED IR MAPPER, ELECTRIC INTELLIGENCE SYSTEM (POD) MCDONNELL REPORT E439 AEA-99	8-12-65 N. PETERS	E6610-201
98	HK		F4(FV)	WITH J79-J8 ENGINE	27-12-65 L.BRADLEY	
98	HL		F4(FV)	WITH RB-168-27R SPEY ENGINE REPAIR LOWER FUSELAGE AFT 164.50 AND THE LOWER NACELLE AFT 203.00 INTO NEW WING CONTOUR. RELOCATE FORWARD MISSILES. MCDONNELL REPORT E310	27-12-65 L.BRADLEY	
98	HM		RF-4C	BASIC RF-4C AIRCRAFT WITH NOTHING REMOVED EXCEPT THE SIDE LOOKING RADAR. PROVISIONS FOR THE SLR (I.E.) MOUNTING, COOLING, ETC. WOULD BE RETAINED. THE AIRBORNE INSTRUMENTS LABORATORY ELINT EQUIPMENT WOULD BE INSTALLED IN PLACE OF THE SLR. AEA-105	15-2-66 N. PETERS	E6610-201
98	HN		BASE F-4C	CONVERSION OF F-4C TO F-4E+ - ADDITION OF THE F-4E PLUS NOSE AND GUN SYSTEM, AN/APQ-120 RADAR, J79-GE-17 ENGINES, SLOTTED STABILATOR, NO. 7 FUEL TANK, "FIXED" INBOARD LEADING EDGE FLAPS, AND F-4E PLUS AVIONICS, CORDS WILL BE OMITTED. AEA-108	6-1-66 N. PETERS	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	HO		BASIC F-4D	CONVERT F-4D TO F-4E+, THE PRINCIPLE FEATURES OF THE CONVERSION ARE THE ADDITION OF THE F-4E PLUS NOSE AND GUN SYSTEM, AN/APQ-120 RADAR, J79-GE-17 ENGINES, SLOTTED STABILATOR, NO. 7 FUEL TANK, "FIXED" INBOARD LEADING EDGE FLAPS, F-4E PLUS AVIONICS CORDS WILL BE OMITTED. AEA-108	6-1-66 N. PETERS	
98	HP			BRIEFING FOR FED. REPUBLIC OF GERMANY ON RF-4C, F-4E, AND F-4E+.	6-1-66	
98	HQ			THE RF-4 VERSIONS WILL BE BASED ON THE FY 1967 RF-4C DETAIL SPEC.	N. PETERS	
98	HR			MODEL 98HP WILL UTILIZE THE J79-GE-17 ENGINES. MODELS 98HQ, 98HR,		
98	HS			AND 98HS ARE F-4E VERSIONS. AEA-109		
98	FVS	NAVY	FV	VARIABLE SWEEP MEDIUM HIGH WING (MCDONNELL REPORT E 717,E758,E760	6-21-66 L.BRADLEY ECS-102 PER MEMO N.BURNETT	
98	HT	AIR FORCE	RF-4M		6-21-66 L.BRADLEY	
98	HU	AIR FORCE	F-4D	FLIGHT TEST INSTALLATION OF THE LITTON - ITT INTEGRATED LORAN - D/INS SYSTEM IN THE AFT COCKPIT AND IN THE NO. 1 FUEL CELL EQUIPMENT BAY. THE EQUIPMENT REPLACES, IN SPACE AND FUNCTION, THE BALLISTICS COMPUTER, THE NAVIGATION EQUIPMENT, AND WEAPONS RELEASE. "THE LORAN-D ANTENNA IS DESIGNED AS A NEW DOOR ASSEMBLY FOR THE NO. 1 FUEL CELL EQUIP. BAY." THE IFF ANTENNA, PRESENTLY FLUSH MOUNTED IN THIS DOOR, IS REMOVED AND REPLACED BY A BLADE ANTENNA MOUNTED ON THE NO. 3 FUEL CELL ACCESS DOOR. AEA-111	6-22-66 L.BRADLEY	
98	HV		RF-4J		6-30-66 B.SCHILLINGER	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	HW	NAVY	F-4J+	F-4J W/M61A1 GUN IN NOSE CARRIER SUITABLE; HOWEVER, BALLAST IS REQUIRED TO ASSURE ADEQUATE NOSE WHEEL LIFT OFF DURING BOLTER FOR THE NORMAL CARRIER LANDING CONFIGURATION. THE BASIC TAKEOFF GROSS WEIGHT INCREASES 1417 POUNDS OVER THE SPECIFICATION F-4J AIRPLANE. AEA-112	7-1-66 A.BAZOAIN	
98	HX	AF	F-4D	AVCO FLIR LORAN-D/INS. THE FLIR SCANNER, WITH ITS LIQUID NITROGEN COOLANT BOTTLE AND ITS ELECTRONIC UNIT, ARE PERMANENTLY MOUNTED ON THE LEFT HAND FORWARD SPARROW MISSILE WELL, REQUIRING REMOVAL OF THE SPARROW III MISSILE CAPABILITY COMPONENTS FROM THAT STATION. A FAIRING COVERING THE AFT PORTION OF THE WELL, ALSO SERVES AS AN ACCESS DOOR FOR THE ELECTRONIC EQUIPMENT. AEA-114	7-20-66 A.BAZOAIN	
98	HY	AF	F-4E+	TEX. INSTRUMENTS FLIR PROGRAM AEA-115	7-20-66 A.BAZOAIN	
98	HZ	AF	F-4	TEX. INSTRUMENTS FLIR AEA-116	7-20-66 A.BAZOAIN	
98	JA	GERMAN TRI SERVICE	RF-4C	ADVANCED - CONDUCTRON SIDE LOOKING RADAR INSTALLATION: INCORPORATES A FUTURISTIC SIDE LOOKING RADAR, FEATURES X-BAND GROUND MAPPING AND L-BAND HARD TARGET DETECTION. CERTAIN PHOTOGRAPHIC CAPABILITIES ARE RETAINED FOR BOTH DAYLIGHT AND NIGHT RECONNAISSANCE. AEA-117	7-20-66 A.BAZOAIN	
98	JB	GERMAN TRI SERVICE	RF-4C	CONDUCTRON SLR INSTALLATION IN PRESENT RF-4C NOSE.	7-26-66 A.BAZOAIN	
98	JC	GERMAN TRI SERVICE	RF-4C	CONDUCTRON SLR INSTALLATION CENTERLINE POD ON PRESENT RF-4C	7-26-66 A.BAZOIAN	
98	JD	GERMAN TRI SERVICE	RF-4C	GOODYEAR SLR IN PRESENT RF-4C NOSE AEA-120	8-8-66 J.GREGORY	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	JE	NAVY	F-4J+	F-4J WITH MARK II GUN IN THE NOSE. ALL WEATHER TACTICAL FIGHTER 90 POUNDS OF BALLAST ARE REQUIRED WHICH IS A REDUCTION OF 370 POUNDS FROM THE BASIC AIRPLANE. ADD NEW NOSE LANDING GEAR DOORS AND GUN FAIRING. AEA-121	8-16-66 J.GREGORY	
98	JF	NAVY	F-4B+	F-4B W/MARK II GUN IN THE NOSE - AN/APQ-120/CORDS RADAR, AND THE AN/ASG-22 LEAD COMPUTING SIGHT SYSTEM REPLACES THE F-4B FIXED SIGHT. AEA-122	8-16-66 J.GREGORY	
98	JG	A/F GERMAN AIRFORCE	RF-4E	INBOARD PROFILE	8-26-66 B.SCHILLINGER	
98	JH	NAVY	TRAINER	VTAJX, F-4 TRAINER AEA-123	9-6-66 J.GREGORY	
98	JI	AF	F-4C	DATA LINK IN THE F-4C AEA-124	9-12-66 J.GREGORY	
98	JJ	AF	F-4D	DATA LINK IN F-4D AEA-124	9-12-66 J.GREGORY	
98	JK	AF	F-4E+	DATA LINK IN F-4E+ AEA-124	9-12-66 J.GREGORY	
98	JL	AF	RF-4C	ELECTRONICS RECON. AEA-125	9-21-66 J.GREGORY	
98	JM	AF	F-4D	MODIFIED F-4D, AIR-TO-AIR MISSION ONLY FOR THE GOVERNMENT AIR FORCE J-79-GE-15	10-7-66 L.SCHMID	
98	JN	AF	F-4E+	F-4E+/SATS CATAPULT AND HOLD BACK PROVISIONS AEA-127	10-28-66 N. PETERS	

MCDONNELL MODEL NUMBERS 1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	JO	AF	F-4M	F-4M WITH F-4E+ NOSE AEA-128	10-28-66 N. PETERS	
98	JP	AF	F-4C TO F-4D	BOMBING CAPABILITIES MODIFICATION OF F-4C TO F-4D AEA-129	11-29-66 J.GREGORY	
98	JQ	AF	RF-4C	RF-4C WITH 48 INCH GOODYEAR SLR AND IMPROVED ELECTRONICS AEA-130	11-29-66 J.GREGORY	
98	JR	AF	RF-4B	RETROFIT OF TALACS IN RF-4B AEA-131	12-8-66 N. PETERS	
98	JS			F-4 DEVELOPMENT (J79-GE-J8A ENGINE) AEA-132	12-13-66 N. PETERS	
98	JT			F-4 DEVELOPMENT (GE-1 FAMILY ENGINES) AEA-133	12-13-66 N. PETERS	
98	JU			F-4 DEVELOPMENT (GE-1 FAMILY ENGINES AND LARGER WING) AEA-134	12-13-66 N. PETERS	
98	JV	NAVY	F-4J	MODIFIED RB 168 SPEY ENGINE INSTALLATION W/F-4J AIR INLET DUCT AEA-138	1-3-67 N. PETERS	
98	JW	NAVY	BASED ON F-4K/J	J79-GE-17 ENGINES IN F-4K/M AEA-135	1-3-67 N. PETERS	
98	JX	AF	BASED ON F-4J	F-4J/ADC (ATMOSPHERIC DEFENSE COMMAND) J79-GE-17 ENGINES TO PROVIDE CARTRIDGE STARTING, ANTI-SKID BRAKES, 1750 CHANNEL TWO-WAY MANUAL DATA LINK, ADAPT THE AN/AWG-10 FIRE CONTROL SYSTEM AND AN/ASA-32H AUTOPILOT TO THE TWO-WAY DATA LINK FOR AUTOMATIC INTERCEPTS, REPLACE FIXED OPTICAL SIGHT WITH AN AN/ASG-22 LCOSS - AEA-136	1-3-67 N. PETERS	
98	JY	FRG	BASED ON RF-4C	(FRG - FEDERAL REP. OF GERMANY) INSTALLATION OF AN/AAS-18 IN RF-4C - AEA-137	1-3-67 N. PETERS	
98	JZ	NAVY	F-4B	F-4B RETROFIT TO THE RF-4B, J79-GE-8 ENGINES RETAINED, CARRIER SUITABLE, RF-4B EQUIPMENT TO BE CONFIGURED PER SD-513-1R-1 AEA-140	1-18-67 N. PETERS	

MCDONNELL MODEL NUMBERS — 1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	KA	GERMANY	F-4E(FRG)	VERSION FOR THE FEDERAL REPUBLIC OF GERMANY, J79-GE-17 ENGINES, CORDS 20MM NOSE GUN -- APQ-120 RADAR	8-18-67 L.SCHMID	
98	KB	GERMANY	RF-4E(FRG)	RF-4E WITH RF-4C FEATURES --J79-GE-17 ENGINES,KS-87 FRAME CAMERA	8-18-67 L.SCHMID	
98	KC					
98	KD	RAF	F-4M	IMPROVED AEA-144	2-27-67 SWEENEY	
98	KE	AIR FORCE	F-4C/D	F-4C RETROFIT/F-4D & IMPROVED AVIONICS AEA-145	3-10-67 BURCH	E66-10-201
98	KF	AIR FORCE	F-4D	F-4/ASG - 18 FOR ADC AEA-146	3-15-67 BURCH	E66-10-201
98	KG	AIR FORCE	F-4E	J79-GE-J8A ENGINE INSTALLATION IN F-4E WITHOUT NO. 3 and NO. 7 FUEL TANKS AEA-147	3-20-67 SMYTH	
98	KH	AIR FORCE	F-4D	UPDATED F-4 FOR ADC AEA-148	3-31-67 SWEENEY	
98	KI	AIR FORCE	F-4E	F-4E W/GE 1/105005B AEA-149	4-11-67 SWEENEY	
98	KJ	AIR FORCE	RF-4E	SLR DATA TRANSFER SYSTEM AEA 150	4-17-67 STATLER	
98	KK			SKIPPED		
98	KL			INFLIGHT DATA TRANSMISSION SYSTEM AEA 153	6-2-67 SMYTH	
98	KM	NAVY	F-4B/J	GUN STUDIES AEA 155	6-29-67 BURCH	E66-10-20
98	KN	AIR FORCE	F-4E	GE-1 ENGINES, 180 #/SEC., 0.43 BPR AEA 156	7-5-67 BURCH	E66-10-20

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	KO	AIR FORCE	F-4E	GE 1 ENGINES, 205#/SEC. 0.63 BPR	7-5-67 BURCH	E66-10-201
98	KP			SLR ANTENNA POD FOR FRG F-4 AEA-158	7-24-67	E66-10-201
98	KQ	AIR FORCE	F-4E	ADVANCED F-4E MARK II AEA-159	8-14-67 BURCH	E66-10-201
98	KR	NAVY	F-4J	F-4J (II) MARKET PLAN CONFIGURATION AEA-160	8-14-67 HANLEY	E66-10-201
98	KS	NAVY	F-4J	F-4J (III) MARKET PLAN CONFIGURATION AEA-160	8-15-67 HANLEY	E66-10-201
98	KT	NAVY	F-4J	F-4J (IV) MARKET PLAN CONFIGURATION AEA-160	8-15-67 HANLEY	E66-10-201
98	KU	NAVY	F-4J	ADVANCED ADC INTERCEPTOR, F-4J MODIFIED AWG-10, AND SPARROW III, AIM-47 AEA-161	9-8-67 SWEENEY	
98	KV	AIR FORCE	F-4E	F-4E W/.9 BYPASS RATIO GE 1/10 ENGINES AEA-162	9-12-67 SWEENEY	E66-10-201
98	KW	NAVY	F-4J	F-4J (MK V) W/GE 1/105-20B ENGINE, F-4K DUCT AEA-163	9-14-67 WAITE	E66-10-201
98	KX	NAVY	F-4J	F-4J (MK VI) W/LARGER WING PHOENIX MISSILES, GE 1/10 ENGINE AEA-164	9-14-67 WAITE	E66-10-201
98	KY	AIR FORCE	F-4D	DMTI/T & LLLTV PROTOTYPE (TROPIC MOON) F-4D AEA-165	9-22-67 HANLEY	E66-10-201
98	KZ	AIR FORCE	F-4D	F-4D DMTI/T	10-16-67 BUCK	
98	LA	AIR FORCE	RF-4C	RF/4C UPDATE	10-16-67 MAGNUSON	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	LB	AIR FORCE	RF-4E MK-II	MISSION ALL-WEATHER, HIGH-LOW, DAY-NIGHT RECONNAISSANCE, OPTICAL AIR-TO-GROUND SPECIAL WEAPON ATTACK, 2 MAN CREW TANDAM COCKPIT, SLR NIGHT PHOTOGRAPHIC SYS., NUMBER 7 FUEL TANK, WET RUNWAY LANDING IMPROVEMENTS	9-21-67 MASUEN	
98	LC	AIR FORCE	F-4D	IR DATA TRANSMISSION FROM RF-4C AEA-169	10-16-67 MAGNUSON	
98	LD	NAVY	F-4J	F-4J W/AWG-9/PHOENIX AEA-170	10-27-67 WILLIAMS	E66-12-240
98	LE	NAVY	F-4J	F-4J (III) MODIFIED FOR AWG-9/PHOENIX AEA-171	10-27-67 WILLIAMS	E66-12-240
98	LF	NAVY	F-4J	F-4J (IV) MODIFIED FOR AWG-9/PHOENIX AEA-172	10-27-67	E66-12-240
98	LG	AIR FORCE	F-4D	(PAWS)PRECISION ATTACK WEAPONS SYSTEM IN (3) F-4D's AEA-173	10-25-67 SWEENEY	
98	LH	AIR FORCE	F-4E	AEA-174	11-10-67 HANLEY	
98	LI			SKIPPED		
98	LJ	GERMAN TRI-SERV	RF-4E	ADVANCED RECONNAISSANCE AIRPLANE FOR GERMAN TRI SERVICES AEA-175	12-14-67 WILLIAMSON	
98	LK	NAVY	F-4J	F-4J WITH LARGER WING, PHOENIX MISSILE & 79J GE-10 ENGINE	1-16-68 POLLY	
98	LL	NAVY	F-4J	ADVANCED F-4J WITH 2 PHOENIX MISSILES 36" AWG-10 ANTENNA, A/A IR	1-16-68 SWEENEY	
98	LM	NAVY	F-4J	ADVANCED F-4J WITH 2 PHOENIX MISSILES, 3KW AWG-10/36" ANTENNA, A/A I.R.	1-16-68 SWEENEY	
98	LN	NAVY	F-4J	ADVANCED F-4J WITH 2 PHOENIX MISSILES/DUAL FIRING, 3KW AWG-10/36" ANTENNA A/A I.R.	1-16-68 SWEENEY	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	LO	AIR FORCE	F-4C	RETROFIT F-4C/D WITH ATARS	1-19-68 SWEENEY	
98	LP	AEA	F-4D	RAPID PROGRAM	2-29-68 WILLIAM-SON	
98	LQ	AEA	F-4C	RAPID PROGRAM	2-29-68	
98	LR	AIR FORCE	F-4 (ADC)	ADVANCED F-4	4-12-68 VAN ORMAN	
98	LS		F-4 (ADC)	ADVANCED F-4E FOR NIGHT INTERDICTION AEA 185	4-17-68 M.L.EASLEY	
98	LT	NAVY	RF-4B	ADVANCED 65 RF/4B - RECON. AIRCRAFT	4-22-68 MASEUN	
98	LU	AEA(186)	F-4J	ADVANCED F-4J/2 PHOENIX/DWG. 10	5-21-68 SWEENEY	
98	LV	AEA(186)	F-4J	ADVANCED F-4J/2 PHOENIX/DWG. 10	5-21-68 SWEENEY	
98	LW	AEA(187)	F-4J	ADVANCED F-4J EXTENDABLE NOSE GEAR	6-2-68 SWEENEY	
98	LX	AEA	F-4J	ADVANCED F-4J/PHOENIX (F-4J III 3 PLUS 2 PHOENIX MISSILES/370 GAL. WING TANK	9-10-68 W.E.BUCK	
98	LY	AEA(188)	F-4D	F-4D BLIND BOMBING IMPROVEMENT	6-5-68 W.E.BUCK	
98	LZ	AEA(189)	F-4J	F-4J FOR ADC WITH A MINIMUM CHANGE	7-12-68 M.S.SMYTH	
98	MA	USMC	RF-4B	RF-4B UPDATE CONFIGURATION	7-23-68 R.Schillinger	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	MB	USAF	F-4E(a)	F-4E FOR FOREIGN SALES WITH SPECIAL WEAPON CAPABILITY WALLEYE ECM PODS AND CORDS DELETED	9-20-68 L.SCHMID	
98	MC	ADC	F-4E	AWG-9 OR ASG-18, AIM-7F, AND AIM-47B	8-6-68 M.S.SMYTH	AEA 192
98	MD	USAF	F-4E	FLIR/DMTI DEMONSTRATION	10-14-68	AEA 194
98	ME	USAF		INTERIM FX MARK II	11-25-68 M.S.SMYTH	AEA 195
98	MF	USAF	F-4E	F4E (MIN-MOD) FOR ADC	12-12-68 ZIMMERMAN	AEA 196
98	MG	USAF		FMS STRIKE/RECONNAISSANCE	JOHNSON	AEA 197
98	MH	USAF	F4-D	RETROFIT FOR NIGHT INTERDICTION	1-2-69 W.E.BUCK	
98	MI	USAF	(IS) RF-4C	RF-4C FOR FOREIGN SALES INCORPORATING J79-GE-17 ENGINE AND DELETING NUCLEAR CAPABILITY AND SPECIFIC SENSITIVE EQUIPMENT	2-4-69 MASUEN	
98	MJ	USAF	F-4E	F4 MAP FIGHTER	2-3-69 SHILLINGER	
98	MK	NAVY	F-4J	LIGHTWEIGHT F-4J	2-6-69 W.E.BUCK	
98	ML	USAF	F-4E	LIGHTWEIGHT F-4E WITH ADVANCED ENGINES	2-7-69 REMINGTON	
98	MM	NAVY	F-4J	LIGHTWEIGHT F-4J WITH ADVANCED ENGINES	2-7-69 REMINGTON	
98	MN	USAF	F-4E	STRIPPED F-4E FOR GERMANY	2-21-69	
98	MO	NAVY	F-4B & J	RETRO-FIT GUN	3-14-69	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	MP	NAVY	RF-4 ( )	NAVY RF-4 ( )	3-14-69	
98	MQ	USAF	F-4E	F-4E WITH F-15 SYSTEMS	4-29-69	
98	MR	USAF	RF-4C	JIFDATS PROTOTYPE INSTALLATION IN RF-4C AIRCRAFT	5-5-69	
98	MS	USAF	F-4E	F-4E WITH F-15 WING	5-22-69	
98	MT	NAVY	F-4J	STRIPPED F-4J FOR NAVY - CONFIG. A	7-22-69	
98	MU	NAVY	F-4J	STRIPPED F-4J FOR NAVY - CONFIG. B	7-22-69	
98	MV	AEA210	F-4E	STRIKE RECON F-4E (Foreign Military Sales)	7-8-69	
98	MW	AEA211	F-4E	CLOSE AIR SUPPORT W/SELF DEFENSE CAPABILITY FOR GERMANY	7-8-69	
98	MX	AEA212	F-4E	STRIKE RECON FOR ROYAL NETHERLANDS	7-8-69	
98	MY	AEA213	F-4E(F)	FIGHTER FOR GREECE	7-8-69	
98	MZ	AEA214	F-4E(F)	FIGHTER & TRAINER FOR GERMANY	5-15-70 W. E. Buck	
98	NA	AEA215	RF-4J	RECON VERSION FOR NAVY FOR 70s	5-19-70 C. Heron	
98	NB	AEA216	F-4C	F-4C for AIR DEFENSE COMMAND	5-27-70 J. Snider	
98	NC	AEA217	F-4J	AIR SUPERIORITY FIGHTER-USN	6-5-70 W. E. Buck	
98	ND		RF-4C	RF-4C/IR	7-7-70 J. Keller	
98	NE		F-4J	Stripped Model 98NC	7-27-70 W. E. Buck	
98	NF	AEA218	F-4E	RAYTHEON INTERNAL ECM	9-21-70 J. Snider	
98	NH			ADVANCED F-4 (USN)	9-21-70 G. North	

MCDONNELL MODEL NUMBERS — 1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	NJ	AEA219	F-4J	AUSTRALIAN F-4 (MIRAGE REPLACEMENT)	9-25-70 E J Peetz	
98	NK	AEA220	F-4B	UPDATED F-4B W/AIR SUPERIORITY MODIFICATION	11-20-70 G North	
98	NL	USAF	(JA)RF-4E	JAPANESE VERSION OF RF 4-E W/SIDE LOOKING RADAR	12-16-70 G Voss	
98	NM	USAF		ADVANCED F-4 (A/F)	12-28-70 G North	
98	NN		F-4E	F-4E (MOD) SINGAPORE	12-28-70 E J Peetz	
98	NP		F-4E	F-4E (MOD) MALAYSIA	12-28-70 E J Peetz	
98	NQ	USAF	F-4E(F)	FIGHTER & TRAINER FOR GERMANY	3-9-71 E J Peetz	
98	NR		F-4E	FLIGHT TEST F-4 FOR MRCA AVIONICS	4-19-71 E J Peetz	
98	NS	USAF	F-4F	FIGHTER ACFT FOR GREECE	6-29-71 G B North	
98	NT	USAF	RF-4C	CONVERSION OF RF4C TO EF4C	7-16-71 L H Williams	
98	NU	NAVY	F4J	F4J WITH CAMBERED OUTER WING	8-24-71 W E Buck	
98	NV		F-4	F-4 FOR CANADA	2-25-72 G North	
98	NW		F-4	F-4 FOR GERMAN NAVY	4-12-72 G North	
98	NX		F-4	F-4 FOR TURKEY	5-2-72 G North	
98	NY	USAF	F-4	F-4 COMMON DENOMINATOR AIRCRAFT	5-31-72 L H Williams	
98	NZ	FMS	F-4	F-4 FOR TIAWAN	7-28-72 G. North	
98	PA	FMS	F-4	F-4 AIRCRAFT WITH RECON POD	9-22-72 W Williams	
98	PB	USMC	F-4	USMC F-4J WITH F-4E NOSE, WX200 RADAR	10-10-72 G North	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
98	PC	USMC	F-4	USMC F-4J WITH F-4E NOSE, APQ 120 RADAR	10-12-72 G B North	
98	PD	CANADA	F-4	CANADIAN FIGHTER (MARINE F-4J BASE)	12-8-72 W E Buck	
98	PE	GERMANY	F-4F	F-4F WITH ADVANCED WEAPONS	10-9-73 L H Williams	
98	PF	A/F	RF-4	RF-4 FOR ADVANCED TACTICAL RECON	12-4-73 L H Williams	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
99	A	ARMY	CONVERTI-PLANE	TROOP CARRIER CONVERTIPLANE, NORMAL GR. WT. = 42000#, WING AREA = 467 SQ. FT., ASPECT RATIO = 6.0, CABIN SIZE SAME AS C-119 TWO TURBO-PROP XT56-A-4	9-53	01-36
99	B	ARMY	CONVERTI-PLANE	TROOP CARRIER CONVERTIPLANE, NORMAL GR. WT. = 38000#, WING AREA = 422 SQ. FT., ASPECT RATIO = 6.0 TWO TURBO-PROP XT56-A-4	9-53	01-36
99	C	ARMY	CONVERTI-PLANE	ASSAULT CONVERTIPLANE, NORMAL GR. WT. - 42000#, WING AREA = 450 SQ. FT., ASPECT RATION = 7.5, CABIN DIMENSIONS = 7 FT. H X 8.5 FT. W X 30 FT. L TWO TURBO-PROP XT56-A-4 (MCDONNELL REPORT 3541, 4188)	9-53	01-36
99	D	ARMY	HELICOPTER	TROOP CARRIER HELICOPTER, NORMAL GR. WT. = 42000#, WING AREA = 450 SQ. FT., ASPECT RATION = 7.5, HIGH WING, TAIL ROTOR, CABIN SIZE SAME AS C-119 TWO TURBO-PROP XT56-A-2	9-53	01-36
99	E	ARMY	HELICOPTER	TROOP CARRIER HELICOPTER, NORMAL GR. WT. = 42000#, WING AREA = 450 SQ. FT., ASPECT RATIO = 7.5, HIGH WING, TAIL ROTOR, ALL FUEL IN EXTERNAL PODS, CABIN DEMENSIONS = 7 FT. H X 8.5 FT. W X 30 FT. L TWO TURBO-PROP XT56-A-4	9-53	01-36
99	F	ARMY	HELICOPTER	TROOP CARRIER HELICOPTER, NORMAL GR. WT. = 42000#, BI-PLANE, SHORT FUSELAGE, 20 FT. CABIN TWO TURBO-PROP XT56-A-4	9-53	01-36
99	G	ARMY	HELICOPTER	SAME AS 99E EXCEPT TOTAL FUEL PRIMARILY IN WING TWO TURBO-PROP XT56-A-4	9-53	01-36

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
99	H	ARMY	HELICOPTER	TROOP CARRIER HELICOPTER, NORMAL GR. WT. = 42000#, WING AREA = 450 SQ. FT., ASPECT RATIO = 7.5, EJECTOR TYPE JET DIRECTIONAL CONTROL, ALL FUEL IN WING NACELLES TWO TURBO-PROP XT56-A-4	9-53	01-36
99	J	USAF	HELICOPTER	ASSAULT TRANSPORT HELICOPTER, LOW FIXED WING, SHAFT-DRIVEN ROTOR WITH TAIL ROTOR, FUEL AND MAIN GEAR IN PODS TWO TURBO-PROP T56-A-3 (MODIFIED)	9-2-54	01-36
99	K	ARMY	HELICOPTER	SAME AS 99F EXCEPT HIGH WING TWO TURBO-PROP XT56-A-4	9-53	01-36
99	L	ARMY	HELICOPTER	SAME AS 99F EXCEPT BURNELLI TYPE TAIL TWO TURBO-PROP XT56-A-4	9-53	01-36
99	M	USAF	CONVERTI-PLANE	ASSAULT TRANSPORT CONVERTIPLANE, HIGH FIXED WING WITH FUEL IN WING, SHAFT-DRIVEN ROTOR WITH TAIL ROTOR, ENGINES AND MAIN GEAR IN NACELLES TWO TURBO-PROP T56-A-4 (MODIFIED)	9-2-54	01-36
100			MISSILE	AIR TO AIR GUIDED MISSILE, FIGHTER LAUNCHED, BASED ON MODEL 92 ROCKET	11-10-53	01-34
101		NOT USED	BECAUSE OF SIMILARITY TO F-101 DESIGNATIONS.			
102		USAF	BUDDY TANK	BUDDY REFUELING TANK, EXTERNAL SHAPE SIMILAR TO MODEL 96, CONTAINS REFUELING DROGUE FOR IFR NONE (MCDONNELL REPORT 3338)	11-23-53	19-82-051
102A	A	USAF	FUEL TANK	EXTERNAL FUEL TANK, EXTERNAL SHAPE SIMILAR TO MODEL 96, CONTAINS APPROXIMATELY 1400 GALLONS FUEL NONE	1-5-54	19-82-051

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
102	B	USAF	FUEL TANK	SAME AS MODEL 102A EXCEPT ELLIPTICAL SHAPE NONE	11-18-54	19-82-550
102	C	USAF	FUEL TANK	SAME AS MODEL 102 EXCEPT ELLIPTICAL SHAPE NONE	11-18-54	19-82-550
102	D	USAF	BUDDY TANK	BUDDY REFUELING TANK, EXTERNAL SHAPE REVISED FOR ADDITIONAL GROUND CLEARANCE, FOLDING TUBE MECHANISM FOR IFR DROGUE, 1200 GALLONS FUEL NONE (MCDONNELL REPORT 3976)	2-15-55	37-85-580
102	E	USAF	BUDDY TANK	EXTERNAL IN-FLIGHT REFUELING, PACKAGE - FOLDING TUBE TYPE PROBE AND DROGUE METHOD, TRANSFERABLE FUEL - 325 GALS., DRY WEIGHT = 630 LBS., MAXIMUM LENGTH = 248.0 INCHES NONE (MCDONNELL REPORT 3976, 4576)	2-15-55	37-85-580 37-85-(
102	F	USAF	BUDDY TANK	SAME AS MODEL 102D EXCEPT HOSE & REEL MECHANISM FOR IFR DROGUE NONE (MCDONNELL REPORT 3976)	2-15-55	37-85-580
102	G	NAVY	BUDDY TANK	EXTERNAL IN-FLIGHT REFUELING PACKAGE - HOSE AND REEL TYPE, PROBE AND DROGUE METHOD, TRANSFERABLE FUEL = 315 GALS., DRY WEIGHT = 1013 LBS., MAXIMUM LENGTH = 254.29 INCHES, 102G ON F-105 - MINOR CHANGES TO PERMIT USE OF HYDRAULIC POWER IN LINE OF ELECTRIC NONE (MCDONNELL REPORT 3976, 25-55002, 4843, 6005)	2-15-55	37-85-580 10-85-(
102	H	USAF	FUEL AND EQUIPMENT TANK	EXTERNAL FUEL AND EQUIPMENT TANK FOR ECM CAPABILITY, EXTERNAL SHAPE SIMILAR TO MODEL 96, INTERCHANGEABLE NOSE AND TAIL ASSEMBLIES FOR THE FOLLOWING EQUIPMENT: AN/ALT-6, AN/ALT-7, AN/ALT-8, AN/ALE-1 WITH 11 CARTON CHAFF DISPENSER CORNER REFLECTORS, CONTAINS APPROXIMATELY GALLONS FUEL NONE (MCDONNELL REPORT 4485)	11-3-55	35-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
102	J	USAF	FUEL AND EQUIPMENT TANK	EXTERNAL FUEL AND EQUIPMENT TANK FOR CHAFFING CAPABILITY, EXTERNAL SHAPE SIMILAR TO MODEL 96, EQUIPMENT CONSISTING OF: AN/ALE-1 WITH 20 CARTON CHAFF DISPENSER, CONTAINS APPROXIMATELY 943 GALLONS FUEL NONE (MCDONNELL REPORT 4485)	11-5-55	35-10-050
103	A	USAF	MISSILE	AIR TO AIR GUIDED MISSILE CARRYING SPECIAL WARHEAD 24000 LBS. THRUST MOTOR, LENGTH = 110 INCHES, FIXED FINS SOLID ROCKET (MCDONNELL REPORT 3392)	1-7-54	01-37-100
103	B	USAF	MISSILE	SAME AS MODEL 103A EXCEPT: NOT GUIDED - INERTIALLY STABILIZED ROCKET, 40,300 LB. THRUST MOTOR, LENGTH = 117 INCHES SOLID ROCKET (MCDONNELL REPORT 3506)	1-7-54	01-37-110
103	C	USAF	MISSILE	SAME AS MODEL 103A EXCEPT: NOT GUIDED - FIN-STABILIZED ROCKET, 40,000 LBS. THRUST MOTOR, LENGTH = 123 INCHES, FOLDING FINS SOLID ROCKET (MCDONNELL REPORT 3518)	3-1-54	01-37-110
103	D	USAF	MISSILE	SAME AS MODEL 103A EXCEPT: NOT GUIDED - FIN-STABILIZED ROCKET, 48,500 LBS. THRUST MOTOR, LENGTH = 140 INCHES, FOLDING FINS SOLID ROCKET (MCDONNELL REPORT 3714, 3715)	8-11-54	01-37-110
103	E	USAF (MC #368-(AD-3-A1, 4-26-54)	MISSILE	SAME AS MODEL 103A EXCEPT: 40,000 LBS. THRUST MOTOR, LENGTH = 141 INCHES, FOLDING FINS SOLID ROCKET (MCDONNELL REPORT 3810)	7-15-54	19-80-068

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
104	A	ARMY USAF	MISSILE	SURFACE TO AIR MISSILE HIGH PERFORMANCE, EXTENDED RANGE AND VARIED PERFORMANCE AND DESTRUCTIVITY OVER TALOS, BOOSTER LAUNCHED RAMJET (MCDONNELL REPORT 3324)	1-28-54	01-33
105	A	USAF	MISSILE	SURFACE TO SURFACE MISSILE, 1500 NA. MI. MAXIMUM RANGE, 120,000 LB. THRUST ENGINE USING LIQUID-OXYGEN AND JP-4, SPECIAL WARHEAD LIQUID ROCKET	2-24-54	01-44
105	B	USAF	MISSILE	SAME AS MODEL 105A EXCEPT: ENGINE USING LIQUID - OXYGEN AND ALCOHOL, SLIGHT DECREASE IN WARHEAD WEIGHT LIQUID ROCKET	12-10-54	01-44
105	C	USAF	MISSILE	SURFACE TO SURFACE MISSILE, 1040 NA. MI. MAXIMUM RANGE, 60,000 LBS. THRUST ENGINE USING LIQUID-OXYGEN AND JP-4, SPECIAL WARHEAD LIQUID ROCKET (MCDONNELL REPORT 3886, 3896)	12-10-54	01-44
105	D	USAF	MISSILE	SURFACE TO SURFACE MISSILE, 1000 NA. MI. MAXIMUM RANGE 70,000 LBS. THRUST ENGINE USING ACID-JPX FUEL, SPECIAL WARHEAD LIQUID ROCKET (MCDONNELL REPORT 3886, 3896)	1-6-55	01-44
105	E	USAF	MISSILE	SURFACE TO SURFACE MISSILE, 1185 NA. MI. MAXIMUM RANGE, 109,000 LB. THRUST ENGINE USING LIQUID-OXYGEN AND JP-4, SPECIAL WARHEAD LIQUID ROCKET (MCDONNELL REPORT 3886, 3896)	3-14-55	01-44
105	F	USAF	MISSILE	SURFACE TO SURFACE MISSILE, 1060 NA.MI. MAXIMUM RANGE 50,000 LB. THRUST ENGINE USING LIQUID-OXYGEN AND JP-4, SPECIAL WARHEAD LIQUID ROCKET (MCDONNELL REPORT 3886, 3896)	3-14-55	01-44

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
105	G	BUORD	MISSILE	SURFACE TO SURFACE FLEET BALLISTIC MISSILE, SUBMARINE LAUNCHED, 1500 NA. MI. MAXIMUM RANGE, SPECIAL WARHEAD SOLID PROPELLANT ROCKET (MCDONNELL REPORT 4487, 4539)	1-19-56	01-44
105	H	USAF	MISSILE	SURFACE TO SURFACE MISSILE, RESEARCH TEST VEHICLE, 1500 NA. MI. MAXIMUM RANGE, SPECIAL WARHEAD SOLID PROPELLANT ROCKET	2-28-56	01-44
106	A	NAVY	AIRPLANE	STUDIES OF VARIOUS CONFIGURATIONS TO DETERMINE 1960 ENGINE REQUIREMENTS, 106-1 (A,B,C,D,E,) SINGLE ENGINE SERIES, 106-2 (A,B.C,D,E,) TWIN ENGINE SERIES TURBO-JET 1960 VERSION (MCDONNELL REPORT 3547)	3-9-54	01-42, 02-43
107	A	USAF (RFB 362831 3-11-54)	MISSILE	GUIDED AIRCRAFT DECOY MISSILE FOR BOMBER DEFENSE, AIR LAUNCHED, SHORT RANGE, NAVIGATIONAL FLIGHT CONTROL SYSTEM, (WEAPON SYSTEM 122A-GAM 72) ONE TURBO-JET J85-GE-3 (ALTERNATE J83-R-3) (MCDONNELL REPORTS 3557, 3561, 4200, 4201, 7899, 7900)	4-2-54	01-45 347 395 406 607 608 620
107	B	USAF	MISSILE	TARGET DRONE VERSION OF GAM-72, AIR LAUNCHED, SHORT RANGE, RADIO COMMAND SYSTEM, PARACHUTE RECOVERY SYSTEM (XQ-9 DRONE - SYSTEM 437L) ONE TURBO-JET J85-GE (ALTERNATES J81-WE OR J83-R) (MCDONNELL REPORT 4414)	9-29-55	01-62 01-69
107	C	ARMY	MISSILE	TARGET DRONE VERSION OF GAM-72, GROUND LAUNCHED, NOSE SECTION MODIFIED, STRUCTURAL CHANGES REQUIRED FOR GROUND LAUNCHING. ONE TURBO-JET J85-GE-3 (MCDONNELL REPORT 5745)	9-20-57	01-80

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
107	D	USAF	MISSILE	AIR TO SURFACE ANTIRADAR MISSILE. ANTIRADAR GUIDANCE SYSTEM (ARGS) FOR MIDCOURSE AND TERMINAL GUIDANCE, SMALL SPECIAL WARHEAD, SHORT RANGE, AERODYNAMIC CONFIGURATION SAME AS GAM-72 DECOY MISSILE WITH POSSIBLE EXCEPTION OF THE AIR INTAKE DUCTS. ONE TURBO-JET J85-GE-7 (MCDONNELL REPORT 6177)	8-16-58	01-80
107	E	ARMY (RFB NR 2182 2-6-59)	MISSILE	TARGET DRONE VERSION OF GAM-72, MEDIUM PERFORMANCE TARGET MISSILE SYSTEM. ONE TURBO-JET	2-18-59	E9424-0
107	F	USAF	MISSILE	B-52 AIRCRAFT DECOY MISSILE FOR BOMBER DEFENSE, AIR LAUNCHED, SHORT RANGE, NAVIGATIONAL FLIGHT CONTROL SYSTEM, HI-LO ALTITUDE LAUNCH AND FLIGHT CAPABILITY SINGLE TURBO JET J85-GE-7 (MCDONNELL REPORTS 7899, 7900)	9-6-61 REX	328
107	G	USAF	MISSILE (DSM)	PROPOSED GAM-72C DEFENSE, SUPPRESSIVE MISSILE, WARHEAD, TERRAIN FOLLOWING EQUIPMENT OSS-2 AND 3 REMOVED SMALL WARHEAD AND LESS SOPHISTICATED GUIDANCE SYSTEM SINGLE TURBO JET J85-GE-7	9-10-63	E6610-147
107	H	USAF	MISSILE (DSM)	PROPOSED GAM-72D, SAME AS MODEL 107G EXCEPT WILL HAVE A LARGER WARHEAD AND A MORE SOPHISTICATED GUIDANCE SYSTEM SINGLE TURBO JET J85-GE-7	9-10-63	E6610-147

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
108	A	USAF (RFB AFSWC, SWMR 5-11-54)	WEAPON	EXTERNAL WEAPON FOR USAF FIGHTERS, SPECIAL WARHEAD, STREAMLINE SHAPE, CARRIES FUEL FOR AIRCRAFT USE. NONE (MCDONNELL REPORT 3579 AND 3581	6-3-54	6010-02 6010-001
108	B	USAF	WEAPON	SAME AS MODEL 108A EXCEPT WITH DIFFERENT WARHEAD. NONE (MCDONNELL REPORT 3581)	6-8-54	6010-02 6010-001
108	C	USAF	WEAPON	SAME AS MODEL 108A EXCEPT SLIGHT INCREASE IN DIAMETER. NONE (MCDONNELL REPORT 3581)	6-9-54	6010-02 6010-001
108	D	USAF	WEAPON	SAME AS MODEL 108A EXCEPT WITH DIFFERENT WARHEAD. NONE (MCDONNELL REPORT 3581)	6-9-54	6010-02 6010-001
109	A	USAF	AIRPLANE - INTERCEPTOR	LONG RANGE INTERCEPTOR (SIMILAR TO F-101A), TWO PLACE, WING - 600 SQ. FT. AREA, ASPECT RATIO - 4.5, LENGTH - 89.8 FT., SIX FALCON MISSILES OR THREE MODEL 103E MISSILES, LRI FIRE CONTROL SYSTEM. TWO TURBO-JET J67-W-1 (MCDONNELL REPORT 3707)	6-17-54	19-80-062 6010-001
109	B	USAF	AIRPLANE - INTERCEPTOR	SAME AS MODEL 109A EXCEPT WING AREA OF 78 SQ. FT. AND LENGTH OF 96.5 FT. TWO TURBO-JET J67-W-1 (MCDONNELL REPORT 3707)	8-18-54	19-80-062
110	A	USAF (M.C. #368-AD-3-A1, 4-26-54)	AIRPLANE - INTERCEPTOR	LONG RANGE INTERCEPTOR, TWO-PLACE, WING - 1000 SQ. FT. AREA, ASPECT RATIO - 5.5, LENGTH - 86.8 FT., EIGHT FALCON MISSILES AND 48 - 2.75 IN. ROCKETS OR THREE UAW ROCKETS AND 48 - 2.75 IN. ROCKETS LRI FIRE CONTROL SYSTEM. THREE TURBO-JET J67-W-1 (MCDONNELL REPORT 3702)	7-14-54	01-46-055

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
110	B	USAF	AIRPLANE - INTERCEPTOR	LONG RANGE INTERCEPTOR, TWO-PLACE, WING - 819 SQ. FT. AREA, ASPECT RATIO - 4.31, LENGTH - 79 FT., SAME ARMAMENT AND FIRE CONTROL SYSTEM AS MODEL 110A (MODEL 110B - 1,2,3,4 WITH DIFFERENT WING PLANFORMS) TWO TURBO-JET J67-W-1 (MCDONNELL REPORT 3707)	8-18-54	01-46-055
111	A	USAF (M.C. #368-AD 3-A1, 4-26-54)	AIRPLANE - INTERCEPTOR	LONG RANGE INTERCEPTOR, TWO-PLACE, WING - 800 SQ. FT. AREA, ASPECT RATIO - 6.0, LENGTH - 80.6 FT., SAME ARMAMENT AND FIRE CONTROL SYSTEM AS MODEL 110A TWO TURBO-JET J67-W-1 (MCDONNELL REPORTS 3815, 3816)	10-26-54	01-46-055
112	A	NAVY	HELICOPTER	UTILITY HELICOPTER, SIX-PLACE, MAIN GEARED ROTOR AND TAIL ROTOR STUB WING WITH TIP PODS FOR FUEL AND LANDING GEAR, GROSS WEIGHT OF APPROXIMATELY 7500 LBS. ONE TURBO-PROP T58-GE (MCDONNELL REPORT 4430)	5-10-55	6010-002, 01-61
113	A	ARMY NAVY USAF	CONVERTI-PLANE	LIGHT CARGO AND TROOP TRANSPORT CONVERTIPLANE, 1-1/2 TON PAYLOAD CLASS PRESSURE JET - UNLOADED ROTOR TYPE TWO TURBO-PROP T58-GE	6-6-55	01-61
113	B	ARMY NAVY USAF	CONVERTI-PLANE	MEDIUM CARGO AND TROOP TRANSPORT CONVERTIPLANE 2-1/2 TON PAYLOAD CLASS PRESSURE JET - UNLOADED ROTOR TYPE THREE TURBO-PROP T58-GE	8-16-55	01-61
113	C	ARMY NAVY USAF	CONVERTI-PLANE	SIMILAR TO MODEL 113A EXCEPT REDUCED GROSS WEIGHT FOR SINGLE ENGINE OPERATION ON 100°F HOT DAY. TWO TURBO-PROP T58-GE	8-25-55	01-61

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
113	D	ARMY NAVY USAF	CONVERTI-PLANE	MEDIUM CARGO AND TROOP TRANSPORT - LONG RANGE RESCUE CONVERTIPLANE 2-1/2 TON PAYLOAD CLASS SHAFT-DRIVEN-UNLOADED ROTOR TYPE TWO TURBO-PROP ROLLS ROYCE DART R. DA.7	9-26-55	6010-002
113	E	ARMY NAVY USAF	CONVERTI-PLANE	SAME AS MODEL 113D EXCEPT WITH PRESSURE JET ROTOR TWO TURBO-PROP ROLLS ROYCE DART R. DA.7	9-28-55	6010-002
113	F	ARMY NAVY USAF	CONVERTI-PLANE	SAME AS MODEL 113D EXCEPT WITH FOUR T58-GE ENGINES AND PRESSURE JET ROTOR FOUR TURBO-PROP T58-GE	9-28-55	6010-002
113	G	ARMY NAVY USAF	CONVERTI-PLANE	SAME AS MODEL 113D EXCEPT WITH FOUR T58-GE ENGINES FOUR TURBO-PROP T58-GE	9-28-55	6010-002
113	H	ARMY NAVY USAF	CONVERTI-PLANE	MEDIUM CARGO AND TROOP TRANSPORT CONVERTIPLANE, ONE TON PAYLOAD CLASS, SHAFT-DRIVEN-UNLOADED ROTOR TYPE TWO TURBO-PROP T58-GE	9-28-55	6010-002
113	J	ARMY NAVY USAF	CONVERTI-PLANE	LONG RANGE RESCUE CONVERTIPLANE, 1250 LB. RESCUE PAYLOAD, PRESSURE JET - UNLOADED ROTOR TYPE TWO TURBO-PROP T58-GE	10-6-55	6010-002
113	K	ARMY NAVY USAF	CONVERTI-PLANE	GENERAL PURPOSE TRANSPORT AND LONG RANGE RESCUE, PRESSURE JET UNLOADED ROTOR TYPE TWO TURBO-PROP XT55-L	1-10-56	6010-002
113	L	ARMY NAVY USAF	CONVERTI-PLANE	SAME AS MODEL 113B EXCEPT WITH TWO ENGINES IN ONE NACELLE AND ONE ENGINE IN THE OTHER NACELLE THREE TURBO-PROP T58-GE	2-2-56	6010-002

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
113	M	ARMY NAVY USAF	CONVERTI-PLANE	SAME AS MODEL 113F EXCEPT ENGINES AND NORMAL GROSS WEIGHT INCREASED FOR STANDARD DAY OPERATION IN LIEU OF HOT DAY OPERATION. FOUR TURBO-PROP T53-L	3-8-56	6010-002
113	N	ARMY NAVY USAF	CONVERTI-PLANE	ASSAULT TRANSPORT AND LONG RANGE RESCUE CONVERTIPLANE, CREW: TWO SIDE BY SIDE, PASSENGERS: DEPENDENT UPON MISSION, ROTOR: UNLOADED TYPE. THREE BLADES - 62 FT. DIAMETER, PRESSURE - JET TIP BURNER PROPELLERS: TWO FOUR BLADED FIXED PITCH TYPE - 11 FT. DIAMETER. HIGH WING: AREA - 408 SQ. FT., SPAN - 52 FT. 8 IN., LENGTH: 64 FT. 11 IN., MAXIMUM TAKE-OFF GROSS WEIGHT: 38,500 LBS., PAYLOAD: 4,050 LBS., FERRY RANGE: 1900 NA. MI. FOUR TURBO-PROP XT58-GE-2 (MCDONNELL REPORT 4834)	3-8-56	6010-002 01-64
113	P	ARMY NAVY USAF (RFGMP 6-25-58)	CONVERTI-PLANE	MEDIUM RANGE COMPOUND HELICOPTER (CONVERTIPLANE) CREW: TWO SIDE-BY-SIDE. TROOPS: PROVISION FOR 23 WITH SPACE FOR 32 IN NORMAL LOAD. PROVISIONS FOR 24 LITTERS AND 2 MEDICAL ATTENDANTS. MAIN ROTOR: THREE BLADES - 65 FT. DIAMETER, MANUAL FOLDING, PRESSURE-JET TIP BURNERS. TAIL ROTOR: THREE BLADES 6 FT. 6 IN. DIAMETER, PROPELLER: TWO FOUR-BLADED, FIXED PITCH TYPE - 11 FT. DIAMETER. HIGH WING: AREA - 450 SQ. FT.; SPAN - 55 FT. 4 IN.; LENGTH: 71 FT. AFT LOADING RAMP IN FUSELAGE. NAV. COMPUTER, IR AND CNI SYSTEMS SIMILAR TO F4H. TRIPHIBIOUS GEAR CONVERSION CAPABILITIES. TWO G.E. TURBO-SHAFT T58-ST 115A POWER PACKAGES (FOUR T58-GE-8 ENGINES) (MCDONNELL REPORT 6248)	11-5-57	01-64 24 6010-001
114	A	ARMY USAF	AIRPLANE - TRANSPORT	SHORT TAKE-OFF AND LANDING TRANSPORT AIRPLANE. GROSS WEIGHT - 17,000 LBS. TWO PROPELLERS. NACA DOUBLE SLOTTED FLAPS. FOUR TURBO-PROP T58-GE	8-25-55	01-61
114	B	ARMY USAF	AIRPLANE - TRANSPORT	SHORT TAKE-OFF AND LANDING TRANSPORT AIRPLANE. GROSS WEIGHT - 14,500 LBS. TWO PROPELLERS. NACA DOUBLE SLOTTED FLAPS. THREE TURBO-PROP T58-GE	8-25-55	01-61

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
114	C	ARMY USAF	AIRPLANE - TRANSPORT	SHORT OR VERTICAL TAKE-OFF AND LANDING TRANSPORT AIRPLANE, GROSS WEIGHT - 16,000 LBS., FOUR PROPELLERS, NACA DOUBLE PLAIN FLAPS FOUR TURBO-PROP T58-GE	8-25-55	01-61
114	D	ARMY USAF	AIRPLANE - TRANSPORT	SHORT TAKE-OFF AND LANDING TRANSPORT AIRPLANE, GROSS WEIGHT - 25,000 LBS., FOUR PROPELLERS, SINGLE SLOTTED FLAPS FOUR TURBO-PROP T58-GE	8-25-55	01-61
115	A	NAVY USAF	MISSILE	AIR TO SURFACE WEAPON SYSTEM, SIMILAR TO MODEL 85B WITH DIFFERENT BOOSTER AND GUIDANCE SYSTEM. RAMJET	9-21-55	6010-001
116	A	USAF	ROCKET BOOST POD	EXTERNAL ROCKET BOOST POD FOR F-101B. CONTAINS ENGINE, OXIDIZER TANK, NITROGEN PRESSURIZATION SYSTEM, CONTROLS AND PUMPS, PROPELLANT CONSISTS OF 450 GALS. IRFNA IN POD AND JP-4 FROM AIRPLANE. ONE ROCKET BELL XLR-81 MODIFIED (MCDONNELL REPORT 4608)	2-14-56	41-10-050
116	B	USAF	ROCKET BOOST POD	EXTERNAL ROCKET BOOST POD FOR F-101B, CONTAINS ENGINE, OXIDIZER TANK, NITROGEN PRESSURIZATION SYSTEM, CONTROLS AND PUMPS. PROPELLANT CONSISTS OF 594 GALS. H_2O_2 IN POD AND JP-4 FROM AIRPLANE. ONE ROCKET REACTION MOTORS XLR-40-RM-2 (MCDONNELL REPORT 5169)	2-13-57	41-10-050
116	C	NAVY	ROCKET BOOST POD	EXTERNAL ROCKET BOOST POD FOR F3H-2. CONTAINS ENGINE, OXIDIZER TANK, NITROGEN PRESSURIZATION SYSTEM, CONTROLS. PROPELLANT CONSISTS OF 310 GALS. H_2O_2 IN POD AND JP-4 FROM AIRPLANE. ONE ROCKET REACTION MOTORS XLR-40-RM-2 (MCDONNELL REPORT 5265)	3-28-57	84-10-050 01-72
116	D	NAVY	TURBO-JET BOOST POD	EXTERNAL TURBO-JET BOOST POD FOR F3H-2. CONTAINS ENGINE, ENGINE ACCESSORIES, LUBRICATION SYSTEM, AND STARTER. PROPELLANT CONSISTS OF JP-4 FROM AIRPLANE. ONE TURBO-JET J34-WE-34	3-28-57	84-10-050

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
116	E	NAVY	TURBO-JET BOOST POD	EXTERNAL TURBO-JET BOOST POD FOR F3H-2. CONTAINS ENGINE, ENGINE ACCESSORIES, LUBRICATION SYSTEM, AND STARTER. PROPELLANT CONSISTS OF JP-4 FROM AIRPLANE. ONE TURBO-JET J83-R-1	3-28-57	684-10-050
117	A	USAF	ECM POD	EXTERNAL ELECTRONIC COUNTERMEASURE POD FOR F/RF-101A. CONTAINS VARIOUS COMBINATIONS OF THE FOLLOWING EQUIPMENT: AN/ALT-6B, AN/ALT-8B, AN/ALE-1 WITH 20 CARTON CHAFF DISPENSER CORNER REFLECTORS NONE (MCDONNELL REPORT 4649, DRAWING S-11298)	3-13-56	35-10-050 6010-001
118	A	USAF	AIRPLANE UTILITY TRAINER	LIGHT WEIGHT, TWIN-ENGINE UTILITY TRAINER. CREW: TWO-SIDE BY SIDE PASSENGERS: FOUR; HIGH WING: AREA 240 SQ. FT., ASPECT RATIO 8.25, TAPER RATIO 0.4, INTERNAL FUEL: 400 GAL., EXTERNAL FUEL: 440 GAL. (TIP TANKS); GROSS WEIGHT: 15050 LBS. TWO TURBO-JET YJ85-GE	8-23-56	6010-002
X119	~~A thru AB~~	~~USAF~~	~~AIRPLANE UTILITY TRANSPORT~~	CONFIGURATION STUDIES FOR MEDIUM WEIGHT, MULTIENGINE, UTILITY TRANSPORT. WING DESIGN: HIGH OR LOW, STRAIGHT OR SWEPT; ENGINE ARRANGEMENT: SUBMERGED OR PODDED, FUSELAGE OR WING LOCATION; EXPERIMENTAL DESIGNATION FOR CONFIGURATION SELECTED IS MODEL X119Y-4. THE PRODUCTION DESIGNATION FOR THIS CONFIGURATION IS MODEL 119A. FOUR TURBO-JET YJ85-GE- OR J83-R-1 (MCDONNELL REPORT 5707)	8-27-56	6010-002 01-71
X119	AC	USAF	AIRPLANE UTILITY TRANSPORT	EXTENDED LENGTH VERSION OF MODEL 119A. CREW: TWO-SIDE BY SIDE PASSENGERS: 14; LENGTH: 71.45 FT., MEDIUM WEIGHT, LOW WING: 550 SQ. FT. AREA. INTERNAL FUEL: 2550 GALS.; EXTERNAL FUEL: ONE CENTER LINE FUSELAGE TANK. AFT LOADING DOOR PROVIDED. FOUR TURBO-JET P & W JT12A-1 (MCDONNELL REPORT 5979)	2-24-58	94-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
X119	AD	USAF	AIRPLANE UTILITY TRANSPORT	MODEL 119A UTILITY TRANSPORT WITH AFT LOADING DOOR, SAME AS MODEL 119A EXCEPT THAT AN AFT LOADING DOOR, 56 BY 66 INCHES, IS PROVIDED AND THE AFT PRESSURE BULKHEAD IS MOVED AFT 20 INCHES. FOUR TURBO-JET P & W JT12A-1 (MCDONNELL REPORT 5979)	3-4-58	94-10-050 188-14-050
119	A	USAF	AIRPLANE UTILITY TRANSPORT	BASIC UTILITY TRANSPORT, CREW: TWO SIDE-BY-SIDE, LENGTH: 66.5 FT. MAXIMUM WEIGHT: 45,500 LBS., LOW WING AREA 550 SQ. FT., SWEEPBACK ANGLE AT 25% CHORD = 35°, THICKNESS RATIO: ROOT 14%, TIP 9%, INTERNAL FUEL: 3450 GALS. NORMAL, EXTERNAL FUEL: NONE, ENGINES INDIVIDUALLY MOUNTED ON PYLONS UNDERNEATH THE WING. FOUR TURBO-JET J60-P-3 (MCDONNELL REPORT 6341)	6-27-56	94 17 188-14-050
119	B (MEMO RMH-140 DATED 4-7-59)	COMMER-CIAL	AIRPLANE TRANSPORT	JET TRANSPORT FOR COMMERCIAL 6-13-58 MARKET. CREW: TWO SIDE-BY-SIDE, PASSENGER: TEN; LENGTH: 66.5 FT., MAXIMUM WEIGHT: 45,500 LBS. LOW WING AREA - 550 SQ. FT., SWEEPBACK ANGLE AT 25% CHORD: 35° THICKNESS RATIO: ROOT 14%, TIP 9%, INTERNAL FUEL: 2950 GALS. NORMAL ENGINES INDIVIDUALLY MOUNTED ON PYLONS UNDERNEATH WINGS. FOUR TURBO-JET JT12A-6 (MCDONNELL REPORT 6155)	6-13-58	94 188-14-050
119	C	USAF	AIRPLANE BOMB-NAV TRAINER	BOMB-NAV TRAINER SIMULATING B-52G EQUIPMENT. CREW: TWO SIDE-BY-SIDE, TRAINING CREW: THREE, LONG RANGE, MAXIMUM WEIGHT: 45,500 LBS. LOW WING: AREA 550 SQ. FT., SWEEPBACK ANGLE AT 25%, CHORD: 35° THICKNESS RATIO: ROOT 14%, TIP 9%, INTERNAL FUEL: 2950 GALS., MODIFIED 119A NOSE SECTION TO INCORPORATE LARGE RADAR SYSTEM. A.C. POWER SUPPLY. STRUCTURAL PROVISIONS ONLY FOR LEADING EDGE DE-ICE EQUIPMENT. AN/ASQ-38(V) EQUIPMENT. ENGINES INDIVIDUALLY MOUNTED ON PYLONS UNDERNEATH WINGS. FOUR TURBO-JET J60-P-3 (MCDONNELL REPORT 6237)	7-11-58	194 217 188-14-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
119	D	COMMER-CIAL	AIRPLANE TRANSPORT	JET TRANSPORT FOR COMMERCIAL MARKET. FOUR TURBO-FAN G.E. MODEL CF-700-1	9-18-59	194 188-14-050
119	F	USAF	AIRPLANE TRANSPORT	BASIC UTILITY TRANSPORT FOUR TURBO-FAN G.E. MODEL CF-700-1 CANCELLED 10-8-59 - SUPERSEDED BY MODEL 220	10-7-59	188
120	A	~~ARMY~~	~~HELICOPTER~~	V-1 JEEP UTILITY HELICOPTER, SINGLE PLACE, XV-1 ROTOR: 31 FT. DIAMETER BLADES, PAYLOAD: 3000 LBS., NORMAL GROSS WEIGHT: 4300 LBS. CRANE GROSS WEIGHT: 6000 LBS. THREE GTC CONTINENTAL MODEL 140 (ALTERNATE AIRESEARCH 85-15) (MCDONNELL REPORT 5181)	12-11-56	6010-002 01-68
120	B	ARMY	HELICOPTER	V-1 JEEP UTILITY HELICOPTER, SINGLE-PLACE, XV-1 ROTOR: 31 FT. DIAMETER BLADES. PAYLOAD: 3000 LBS., NORMAL GROSS WEIGHT: 4300 LBS. CRANE GROSS WEIGHT: 6300 LBS. THREE GTC CONTINENTAL MODEL 141	3-28-57	01-68
120	C	ARMY	HELICOPTER	V-1 JEEP UTILITY HELICOPTER, SINGLE-PLACE, XV-1 ROTER: 31 FT. DIAMETER BLADES. PAYLOAD: 3000 LBS., NORMAL GROSS WEIGHT: 4300 LBS. CRANE GROSS WEIGHT: 7500 LBS. ONE TURBO-SHAFT T58-GE	3-28-57	01-68
120	D	ARMY	HELICOPTER	UTILITY CARGO HELICOPTER, CREW: ONE, XV-1 ROTOR: THREE BLADES - 31 FT. DIAMETER, PAYLOAD: 2295 LBS. MAXIMUM, GROSS WEIGHT: 6300 LBS. MAXIMUM, SKID TYPE ALIGHTING GEAR. (ALSO ASW VERSION - SAME AS ABOVE PER MCDONNELL REPORT 6431) THREE GTC AIRESEARCH 8-35 (MODIFIED) THREE MCDONNELL PRESSURE JETS (MCDONNELL REPORTS 5472, 5908)	3-28-57	01-68

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
120	E	NAVY	HELICOPTER	UTILITY HELICOPTER, CREW: ONE PILOT, SINGLE ROTOR, THREE BLADES - 31 FT. DIA., SKID TYPE LANDING GEAR, APPENDICES TO DETAIL SPECIFICATION, DEFINE GFAE, PERSONNEL POD, MK 44 STORE, AND AUXILIARY TANK CONFIGURATIONS. THREE AIRESEARCH GTC 85-135 THREE MCDONNELL PRESSURE JETS (MCDONNELL REPORT 7124)	11-12-59	166
120	F					
121	A	NAVY (RFB AER-AC-351, 04128, 3-5-57)	AIRPLANE - ATTACK	ALL WEATHER LOW ALTITUDE ATTACK AIRPLANE, TWO-PLACE, CARRIER-BASED, SUBSONIC (DESIGN WORK STOPPED) NOT DETERMINED	5-31-57	6010-001
122	A	NAVY	MISSILE	AIR-TO-SURFACE GUIDED MISSILE, SHORT RANGE, SINGLE COMPACT DESIGN. SELF-CONTAINED INERTIAL GUIDANCE. PROVISION FOR MAP MATCHER TYPE ASSIST GUIDANCE. SOLID PROPELLANT SINGLE STAGE BOOSTER ROCKET (MCDONNELL REPORT 5614)	8-6-57	01-78
122	B	USAF	MISSILE	LAND LAUNCHED (SURFACE-TO-SURFACE) WINGLESS BOOST GLIDE AERO-BALLISTIC MISSILE. STABILIZATION THROUGH FOUR FIXED FINS ON THE AFT END OF BOOSTER. MISSILE COMPONENTS: BOOSTER UNIT: PROPULSION SELF-DESTRUCTION CHARGE, TERMINAL UNIT: FLIGHT CONTROL SYSTEM, TELEMETRY, RANGE SAFETY EQUIPMENT, PROPULSION, SHORT RANGE, SIMPLE COMPACT DESIGN. MCDONNELL REPORT 6971 PROPOSES USES AS CARGO, SURVEILLANCE, WEAPON, AND RESEARCH MISSILE FOR U.S. ARMY. SOLID PROPELLANT TWO-STAGE BOOSTER ROCKET (MCDONNELL REPORTS 5933, 6716, 6971, 7112)	10-7-57	01-78 396 186

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
122	B-1	USAF	MISSILE	AIR LAUNCHED (AIR-TO-SURFACE) WINGLESS BOOST GLIDE AEROBALLISTIC MISSILE. SAME AS MODEL 122B EXCEPT FOR REQUIRED CHANGES FOR AIR LAUNCHING. SOLID PROPELLANT TWO-STAGE BOOSTER ROCKET (MCDONNELL REPORT 6192)	7-1-58	396
122	C	NAVY	MISSILE	AIR-TO-SURFACE GUIDED MISSILE, SHORT RANGE, SIMPLE COMPACT DESIGN. SELF-CONTAINED INERTIAL GUIDANCE. PROVISION FOR MAP-MATCHER TYPE ASSIST-GUIDANCE. CONFIGURATION A AND B: TANDOM BOOSTER ARRANGEMENT FOR EXTERNAL CARRIAGE. CONFIGURATION B SLIGHTLY LONGER. CONFIGURATION C: SIDE-MOUNTED BOOSTERS FOR INTERNAL CARRIAGE. SOLID PROPELLANT ROCKET BOOSTER (MCDONNELL REPORTS 5692 AND 5756)	10-28-57	01-78 6010-002-2
122	D	NAVY	MISSILE	SURFACE-TO-SURFACE GUIDED MISSILE, LONG RANGE, SUBMARINE LAUNCHED, SELF-CONTAINED INERTIAL GUIDANCE. PROVISION FOR MAP-MATCHER TYPE ASSIST GUIDANCE. SOLID PROPELLANT ROCKET BOOSTER	11-11-57	01-78
122	E	USAF (SR-168-1 11-18-57)	MISSILE	ADVANCED AIR-TO-SURFACE GUIDED MISSILE. AEROBALLISTIC TYPE. INERTIAL GUIDANCE AND RADAR MAP-MATCHER. CONFIGURATION A AND B: SINGLE-STAGE WEAPONS WITH DIFFERENCES IN WARHEAD WEIGHT AND RANGE. CONFIGURATION C: TWO-STAGE WEAPON WITH LARGER ROCKET MOTOR AND WARHEAD WEIGHT SIMILAR TO CONFIGURATION B. SOLID PROPELLANT ROCKET BOOSTER (MCDONNELL REPORTS 5838, 6050, 6004)	12-9-57	01-78 6010-002-3

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
122	F	USAF	MISSILE	AIR-TO-SURFACE GUIDED MISSILE. WINGED BOOST GLIDE TYPE, LONG RANGE SOLID PROPELLANT ROCKET BOOSTER (MCDONNELL REPORT 6467)	10-2-58	01-85-030
122	G	BMD	MISSILE	AEROBALLISTIC, BOOST GLIDE, GUIDED MISSILE. SURFACE-TO-SURFACE, WINGLESS, TWO STAGE BOOSTER/AEROBALLISTIC TERMINAL STAGE. LONG RANGE, INERTIAL NAVIGATIONAL GUIDANCE. OTHER CONFIGURATION INVOLVI WEIGHT VARIATIONS OF WARHEADS AND THE INCORPORATION OF A RADAR MAP MATCHER IN ADDITION TO INS. SOLID PROPELLANT TWO-STAGE (MCDONNELL REPORT 6545)	12-9-58	01-85-030
122	H	BMD	MISSILE	SAME AS MODEL 122G EXCEPT FOR VARIATION OF PROPULSION UNIT.	12-9-58	01-85-030
122	J	ARMY	MISSILE	ADVANCED VERSION OF MODEL 122B (ANTIMISSILE MISSILE TARGET) LAND LAUNCHED, SHORT RANGE SOLID PROPELLANT TWO-STAGE BOOSTER ROCKET	2-18-59	E9424-006
122	K	USAF (BMD-ARDC)	MISSILE	SURFACE-TO-SURFACE MISSILE. FLIGHT TEST VERSION OF ICABM APPLICATION ... RESEARCH VEHICLE. UTILIZES FIRST THREE STAGES OF USAF SYSTEM 609A. INERT TERMINAL STAGE. PROTOTYPE OF MODEL 122M. MEDIUM RANGE, LENGTH: 84.8 FEET, REPLACES MODEL 122J (MCDONNELL REPORT 6913)	6-18-59	E9424-028
122	L	USAF (BM-ARDC)	MISSILE	SURFACE-TO-SURFACE MISSILE. "MIDGETMAN" ICABM, TWO STAGES INCLUDING INTEGRAL MOTOR IN TERMINAL (SECOND STAGE). LENGTH - 35.4 FEET, LONG RANGE, COMPLETE MISSILE MINIATURIZED.	7-59	(MED) E9424-028

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
122	M	USAF (BM-ARDC)	MISSILE	SURFACE-TO-SURFACE MISSILE. WEAPONIZED VERSION OF MODEL P-1 WITH LARGE WARHEAD. TYPE: INTERCONTINENTAL SURFACE-TO-SURFACE WEAPON, CONFIGURATION: AEROBALLISTIC REENTRY VEHICLE, BOOSTER - THREE-STAGE SOLID PROPELLENT, TRAJECTORY-BALLISTIC FOLLOWED BY GLIDE FLIGHT. (MCDONNELL REPORT E799) MINUTEMAN BOOSTER (MCDONNELL REPORT 7353, 8295)	7-59	(SMSED) E9424- 028 073
122	N	(NOT USED)				
122	P-1 P-2 P-3	USAF	MISSILE	HYPERSONIC BOOST-GLIDE WINGLESS AEROBALLISTIC MISSILE THAT FLIES ON BODY LIFT WITHIN THE UPPER ATMOSPHERE. CONE-CYLINDER CONFIGURATION. CONTROLLED BY FLAPS OR PANELS THAT PROVIDE STEERING, ANGLE OF ATTACK OR ROLL. CAPABLE OF BEING AIR-LAUNCHED OR GROUND LAUNCHED. SLOWLY ROLLED DURING FLIGHT TO REDUCE EXTERNAL TEMPERATURES. ACHIEVES RANGE BY EXCHANGING VELOCITY AND A SMALL AMOUNT OF ALTITUDE FOR DISTANCE. CONTAIN GUIDANCE AND CONTROL, TEST INSTRUMENTATION, AND RANGE SAFETY EQUIPMENT SIMILAR TO THAT USED IN ALPHA DRACO (MCDONNELL MODEL 122B) PLUS THE FOLLOWING: a. AN INERTIAL NAVIGATION SYSTEM WITH ANALOG COMPUTER. b. NOSE TIP COOLING SYSTEM. c. CONTROL FLAPS INSTEAD OF CONTROL CONES. TWO RECOVERY VEHICLES WILL PERMIT RADIO COMMAND CONTROL DURING TERMINAL GLIDE AND HAVE DRAG CHUTE, MAIN CHUTE AND IMPACT BAGS. TWO MODIFIED VEHICLES WILL CARRY DEVELOPMENTAL COMPONENTS OF GOODYEAR RADAR MAP MATCHER SYSTEM (PINPOINT). MODELS 122P-1, 122P-2, 122P-3 ARE TO BE USED IN TASKS I, II, AND III. TASK I = PRIMARY PROGRAM - DEVELOPMENT AND FLIGHT TEST PROGRAM TASK II = FOLLOW-ON PROGRAM - CONTROLLED RECOVERY PROGRAM USING VEHICLES MODIFIED TO INCLUDE RECOVERY CAPABILITY. TASK III = FOLLOW-ON PROGRAM - TERMINAL GUIDANCE PROGRAM USING RADAR MAP MATCHER. ATLAS BOOSTER (MCDONNELL REPORT 7353)	6-60	(SMSED) E9424-049

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
122	Q	USAF	MISSILE	SURFACE-TO-SURFACE WEAPONIZED VERSION OF MODEL 122P-2 WITH LARGE WARHEAD. ATLAS OR TITAN BOOSTER (MCDONNELL REPORT 7353)	6-60	(SMSED) E9424-049
122	R	USAF	MISSILE	WEAPONIZED VERSION OF MCDONNELL MODEL 122P-3 WITH A LARGE WARHEAD. ATLAS OR TITAN BOOSTER (MCDONNELL REPORT 7353)	6-60	(SMSED) E9424-049
122	S	ARMY	MISSILE	CAMERA AND SENSOR CARRYING SURVEILLANCE VEHICLE. BOTH STRAIGHT LINE FLIGHT AND RECOVERABLE VEHICLE TRAJECTORY ARE AVAILABLE. RADAR: PENETRATION RANGE - 405 NAUTICAL MILES. SURVEILLANCE DATA RANGE - 325 NAUTICAL MILES. STRIP WIDTH - 80 NAUTICAL MILES. LIMITING RESOLUTION - 50 FEET. SQUARE MILES COVERED - 23,000 SQUARE NAUTICAL MILES. CAMERA (RECOVERABLE): PENETRATION RANGE - 100 NAUTICAL MILES. STRIP WIDTH - 84.6 NAUTICAL MILES. RESOLUTION - 11 FEET. SQUARE MILES COVERED - 12,500 SQUARE NAUTICAL MILES. (MCDONNELL REPORTS 7112, 7427, 7429, AND 7454)	6-60	(MED) E9424-049
122	T	USAF	MISSILE	TACTICAL AIR FORCE, ATTACK SURFACE-TO-SURFACE MISSILE, REPLACEMENT REPLACEMENT FOR MACE.	6-60	(MED) E9424-062
122	U	(NOT TO	BE USED)			
122	V					
122	W					
122	X					

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
122	Y	USAF	MISSILE	BOOST-GLIDE REENTRY VEHICLE STUDY, OBJECTIVES: TO EVOLVE AND DESIGN A BGRV SYSTEM WHICH WILL DEMONSTRATE THE CAPABILITIES OF SUCH A SYSTEM WITH RESPECT TO ACCURACY, PERFORMANCE, PAYLOAD AND RELIABILITY. TO PREPARE A FLIGHT TEST VEHICLE DESIGN AND A FLIGHT TEST PLAN WHICH IDENTIFIES THE ACTIVITIES NECESSARY TO DEMONSTRATE THE POSSIBILITY AND CAPABILITY OF A BGRV SYSTEM. (MCDONNELL REPORT 9863)(PROGRAM PLAN) MCDONNELL REPORT B 680, B684, B706, B721	7/3/63	376

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
123	A	NAVY	MISSILE	SURFACE-TO-SURFACE GUIDED, MISSILE (TRITINO I), MCDONNELL CONCEPT INERTIAL GUIDANCE, MAP-MATCHER TYPE ASSIST GUIDANCE. ONE RAM-JET	8-15-57	01-75
123	B	NAVY	MISSILE	SURFACE-TO-SURFACE GUIDED MISSILE (TRITINO II), MCDONNELL - APL CONCEPT, MINIATURIZED GUIDANCE, SMALLER WARHEAD ONE RAM-JET	8-15-57	01-75
124	A	NAVY	AIRPLANE FIGHTER	LONG RANGE, SUBSONIC MISSILE-CARRYING FIGHTER, TWO-PLACE (BOTH TANDEM AND SIDE-BY-SIDE ARRANGEMENTS CONSIDERED), CARRIER-BASED. ALL-WEATHER OPERATION, AIRBORNE INTERCEPT RADAR, ARMAMENT CONSISTS OF LONG RANGE, AIR-TO-AIR GUIDED MISSILES (EAGLE). HIGH AND LOW WING ARRANGEMENTS CONSIDERED. TWO TURBO-JET OR TURBO-PROP MCDONNELL DWG. SK-9893	9-23-57	01-81
125	A	NAVY	AIRPLANE RECONNAIS-SANCE	ALL-WEATHER RECONNAISSANCE AIRPLANE, DESIGN ALTITUDE: 80,000 FT. RADIUS: 2000 NA. MI. NOT DETERMINED	9-25-57	01-82
126	A	USAF (SR-152 10-30-56)	MISSILE	FEASIBILITY STUDY OF AICBM GUIDED MISSILE, (WORK STOPPED - SEE B.L. BRAUNINGER'S MEMO NO. 460-292, DATED 2-17-58 FOR PRELIMINARY DATA) NOT DETERMINED	10-10-57	01-74, Rev. I
127	A	NAVY (RFB 3-18-58)	MISSILE	AIR-TO-AIR GUIDED MISSILE (EAGLE - XAAM-N-10) LONG RANGE, WINGED TYPE WITH CANARD CONTROL, ACTIVE RADAR SYSTEM FOR FINAL PHASE GUIDANCE	12-5-57	01-79 6010-002-4
128	A (BRO-CHURE DATED 3-11-60 APPROX.	NAVY USAF	UNIVERSAL TOW VEHICLE	MULTIPURPOSE TOW TRUCK, DRAW - BAR PULL: 7500 LBS., HEIGHT: 30 INCHES, BED SIZE: 4 X 4, FOUR WHEEL DRIVE ONE DIESEL HERCULES	12-6-57	38-07-05 338-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
129	A	NAVY - BUORD (RFB 2-7-58 & 4-2-58)	MISSILE	"SURFACE"-TO-"SURFACE" MISSILE (SUBROC), SUBMARINE LAUNCHED, BALLISTIC TYPE, SHORT RANGE, INERTIAL GUIDANCE SYSTEM: TWO DESIGNS CONSIDERED: NOL-1 AND NOL-MOD. ROCKET-SOLID PROP (MCDONNELL REPORT 5911)	1-13-58	01-84 6010-002-7
130	A	ARMY (RFQ 2-26-58)	MISSILE	SURFACE-TO-SURFACE, GUIDED MISSILE (MISSILE A), FIELD ARTILLERY CLOSE-SUPPORT USE, MODIFIED BALLISTIC TYPE WITH CONTROL DURING THRUST, MISSILE-CONTAINED GUIDANCE SYSTEM, RANGE: 1000 TO 30,000 METERS, WEIGHT: LESS THAN 500 LBS. ROCKET SOLID PROP MCDONNELL REPORT 6017	1-23-58	6010-002
131	A	NAVY	ROCKET POD	UNIVERSAL ROCKET POD FOR 38MM BOOSTER ROCKET LAUNCHER T-132, REEL-FEED CONFIGURATION, CAPACITY: 250 RDS. OF T-225 ROCKETS, WEIGHT: 1632 LBS., LENGTH: 195.7 IN., CIRCULAR CROSS SECTION: 30-INCH MAXIMUM DIAMETER, LUG SPACING: 30 INCHES NONE (MCDONNELL REPORT 5910)	1-29-58	687-10-05
131	B	NAVY	ROCKET POD	UNIVERSAL ROCKET POD FOR 38MM BOOSTER ROCKET LAUNCHER T-132 BOX - FEED CONFIGURATION, CAPACITY: 250 RDS. OF T-225 ROCKETS, WEIGHT: 1633 LBS., LENGTH: 205.3 INCH, RECTANGULAR CROSS SECTION 20-INCH WIDTH BY 30-INCH HEIGHT MAXIMUM, LUG SPACING: 30 INCHES NONE (MCDONNELL REPORT 5910)	1-29-58	87-10-050
132	A	USAF (IFGMP 1-31-58)	AERIAL TEST VEHICLE	CONCEPTUAL TEST VEHICLE FOR DYNA SOAR I PROGRAM, BOOST - GLIDE TYPE SINGLE-PLACE, LOW WING, SPAN: (S), LENGTH: (S), INERTIAL NAVIGATION SYSTEM, AUTOMATIC AND MANUAL FLIGHT CONTROL SYSTEM, LANDING SKIDS AND PARACHUTE SYSTEM, PROVISIONS FOR DIFFERENT EQUIPMENT CONFIGURATIONS MOD. ATLAS BOOSTER SOLID-PROP. ROCKETS BRISTOL-ORPHEUS, TURBO-JET (MCDONNELL REPORT 6006)	2-18-58	6010-002

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
132	B	USAF (IFGMP 1-31-58)	AERIAL MANNED VEHICLE	AERIAL MANNED VEHICLE FOR DYNA SOAR II PROGRAM, BOOST-GLIDE TYPE, SINGLE-PLACE (TWO-PLACE ALTERNATE ARRANGEMENT), LOW WING, SPAN: (S), LENGTH: (S), INERTIAL NAVIGATION SYSTEM. AUTOMATIC AND MANUAL FLIGHT CONTROL SYSTEM. LANDING SKIDS. PROVISION FOR RECONNAISSANCE, BOMBER, OR RECONNAISSANCE - BOMBER MISSION EQUIPMENT. MOD. ATLAS BOOSTER, ALTERED NAVAHO BOOSTERS, SOLID-PROP. LOW WING ROCKETS (MCDONNELL REPORT 6006)	2-18-58	6010-002
132	C	USAF (IFGMP 1-31-58)	AERIAL MANNED VEHICLE	AERIAL MANNED VEHICLE FOR DYNA SOAR III PROGRAM. BOOST-GLIDE TYPE SINGLE-PLACE (TWO-PLACE ALTERNATE ARRANGEMENT) LOW WING SPAN: (S), LENGTH (S), INERTIAL NAVIGATION SYSTEM. AUTOMATIC AND MANUAL FLIGHT CONTROL SYSTEM. LANDING SKIDS. PROVISION FOR IMPROVED RECONNAISSANCE, BOMBER, OR RECONNAISSANCE - BOMBER MISSION EQUIPMENT. MOD. ATLAS BOOSTER "C" BOOSTERS SOLID-PROP. ROCKETS (MCDONNELL REPORT 6006)	2-18-58	6010-002
133	A	USAF (SR-172 11-4-57)	MANNED ORBITAL SPACE VEHICLE	ORBITAL VEHICLE - CAPSULE, CREW: ONE, MINIMUM CAPSULE DESIGN, FULL CONE BODY WITH FINS AND ADAPTER. BASIC EQUIPMENT. TWO- STAGE BOOSTER SOLID-PROP. ROCKETS (MCDONNELL EN-185)	5-1-58	6010-001
133	B 8-11-58 10-10-58	USAF (SR-172 11-4-57)	MANNED ORBITAL SPACE VEHICLE	ORBITAL VEHICLE - CAPSULE, CREW: ONE, HALF CONE BODY WITH CONTROL SURFACES AND ADAPTER. BASIC EQUIPMENT. TWO-STAGE BOOSTER SOLID-PROP. ROCKETS (MCDONNELL EN-185, REPORT 6272)	5-1-58	6010-001
133	C 8-11-58 10-10-58	USAF (SR-172 11-4-57)	MANNED ORBITAL SPACE VEHICLE	ORBITAL VEHICLE - CAPSULE, CREW: ONE, FULL CONE BODY WITH DRAG STABILIZING NOSE AND ADAPTER. VEHICLE VOLUME TO ACCOMMODATE 5'6" MAN WITH PRESSURE SUIT, IN SUPINE TO SEMIRECLINE POSITION. BASIC EQUIPMENT. TWO-STAGE BOOSTER SOLID-PROP. ROCKETS (MCDONNELL EN-185, REPORT 6272)	5-1-58	6010-001

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
133	D 8-11-58 10-10-58	USAF (SR-172 11-4-57)	MANNED ORBITAL SPACE VEHICLE	ORBITAL VEHICLE - CAPSULE, CREW: ONE, FULL CONE BODY WITH DRAG-STABILIZING NOSE AND ADAPTER. VEHICLE VOLUME TO ACCOMMODATE 5' 6" MAN WITH PRESSURE SUIT AND THREE-POSITION SEAT. BASIC EQUIPMENT. TWO-STAGE BOOSTER SOLID-PROP. ROCKETS (MCDONNELL EN-185, REPORT 6272)	5-1-58	6010-001
133	E 8-11-58 10-10-58	USAF (SR-172 11-4-57)	MANNED ORBITAL SPACE VEHICLE	ORBITAL VEHICLE - SPHERE, CREW: ONE, SPHERICAL BODY WITH ROTATING HEAT SINK AND ADAPTER. VEHICLE VOLUME TO ACCOMMODATE MAN WITH PRESSURE SUIT IN PENDULUM - ALIGNED CREW SUPPORT. BASIC EQUIPMENT PLUS BIOMEDICAL AND ENVIRONMENTAL INSTRUMENTATION. TWO-STAGE BOOSTER SOLID-PROP ROCKETS (MCDONNELL EN-185, REPORT 6272)	5-1-58	6010-001
133	F	USAF	MANNED ORBITAL SPACE VEHICLE	ORBITAL VEHICLE - CAPSULE, CREW: ONE, FULL CONE BODY WITH DRAG-STABILIZING NOSE AND ADAPTER. VEHICLE VOLUME INCREASED. BASIC EQUIPMENT PLUS MICROCLIMATE SYSTEM AND ADDITIONAL ELECTRONIC GEAR. UMBILICAL CONNECTION FOR BOOSTER ADAPTER. TWO-STAGE BOOSTER SOLID-PROP. ROCKETS (MCDONNELL REPORT 6272)	7-31-58	6010-001
133	G 8-11-58 10-10-58	USAF	MANNED ORBITAL SPACE VEHICLE	ORBITAL VEHICLE - SPHERE, CREW: ONE, SPHERICAL BODY AND ADAPTER. VEHICLE VOLUME TO ACCOMMODATE MAN WITH PRESSURE SUIT IN PENDULUM - ALIGNED CREW SUPPORTS. BASIC EQUIPMENT PLUS MICROCLIMATE SYSTEM AND ADDITIONAL ELECTRONIC GEAR. TWO-STAGE BOOSTER SOLID-PROP. ROCKETS (MCDONNELL REPORT 6272)	7-31-58	6010-001
133	H	USAF	MANNED ORBITAL SPACE VEHICLE	ORBITAL VEHICLE - CAPSULE, CREW: ONE, FULL CONE BODY WITH JETTISONABLE FALSE NOSE AND STABILIZING DROGUE. ADAPTER WITH 8 SAFETY ROCKETS. VEHICLE VOLUME TO ACCOMMODATE 5' 6" MAN IN PRESSURE SUIT. BASIC EQUIPMENT PLUS MICROCLIMATE SYSTEM AND RESEARCH AND TEST EQUIPMENT. UMBILICAL CONNECTION FOR BOOSTER ADAPTER. ALSO HAS ADAPTER CONFIGURATION USING HALF-SIZE POLARIS SECOND STAGE. TWO-STAGE BOOSTER SOLID-PROPELLANT ROCKETS (MCDONNELL REPORT 6272, 10-10-58)	7-31-58	6010-001 301-10-050

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
133	J	USAF	MANNED ORBITAL SPACE VEHICLE	ORBITAL VEHICLE - CYLINDER, CREW - ONE, SKIRTED CYLINDRICAL BODY, CYLINDER ADAPTER WITH HALF-SIZE POLARIS SECOND STAGE, JETTISONABLE EQUIPMENT MOUNTED ON ADAPTER STRUCTURE. VEHICLE VOLUME TO ACCOMMODATE 5' 6" MAN IN PRESSURE SUIT. ROTATING CREW SEAT WITH ACTUATORS FOR AUTOMATIC C.G. CONTROL. BASIC EQUIPMENT, PLUS MICRO-CLIMATE SYSTEM AND RESEARCH AND TEST EQUIPMENT. ATLAS TWO-STAGE BOOSTER SOLID-PROPELLANT ROCKETS (MCDONNELL REPORT 6272, 10-10-58)	7-31-58	6010-001
133	K	NASA	MANNED ORBITAL SPACE VEHICLE (MERCURY)	ORBITAL VEHICLE - CAPSULE, CREW - ONE, FULL CONE BODY WITH RECOVERY CHUTES. THREE RETROGRADE ROCKETS LOCATED ON CAPSULE. REACTION CONTROL SYSTEM WITH 12 LIQUID PROPELLANT ROCKETS. VEHICLE VOLUME TO ACCOMMODATE 5' 10" MAN IN PRESSURE SUIT. BERYLLIUM HEAT SINK PROVIDED ON SOME CAPSULES, OTHER CAPSULES PROVIDED WITH ABLATION SHIELD. TWO-STAGE BOOSTER SOLID-PROPELLANT ROCKETS (MCDONNELL REPORTS 6483, 12-4-58, 6603, 3-12-59 REV. 4-10-59) NOW PROJECT MERCURY	10-24-58	6010-001 301
133	L MK II MERCURY SPACE-CRAFT BROCHURE 7-6-61 (MINIMUM CHANGE MERCURY MARK II SPACECRAFT)	NASA NAS 9-119	MANNED ORBITAL SPACE VEHICLE	ORBITAL VEHICLE - CAPSULE, 18 ORBIT MISSION, CREW - ONE, FULL CONE BODY WITH RECOVERY CHUTE. ORBITAL ADAPTER WITH 8 BATTERIES, 5 LARGE POSIGRADE ROCKETS AND 3 TE-345 RETROGRADE ROCKETS. IMPACT SKIRT. ABLATION SHIELD. REACTION CONTROL SYSTEM WITH 12 LIQUID PROPELLANT ROCKETS. VEHICLE VOLUME TO ACCOMMODATE 5' 10-1/2", 180 LB. MAN IN PRESSURE SUIT. EQUIPMENT ELIMINATED - PERISCOPE, DROGUE CHUTE, RCS CONTROL LINKAGE, HF AND UHF RECOVERY BEACON, HF RECOVERY, WHIP ANTENNA, RECOVERY DIPLEXER, AND EARTH PATH INDICATOR. EQUIPMENT ADDED - EQUIPMENT COOLING, WATER AND COLD PLATES, AUX. UHF RESCUE BEACON AND AUX. BEACON ANTENNA. ATLAS TWO-STAGE BOOSTER	7-11-61	(SMSED) 832-10-APP

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
133	M MK II MERCURY SPACE-CRAFT BROCHURE 7-6-61	NASA NAS 9-119	MANNED ORBITAL SPACE VEHICLE	ORBITAL VEHICLE - RECONFIGURED CAPSULE, 18 ORBIT MISSION, CREW - ONE, FULL CONE BODY WITH PARACHUTE HARNESS SUSPENSION FOR CORNER LANDING. ORBITAL ADAPTER WITH 7 BATTERIES, 6 POSIGRADE ROCKETS AND 4 RETROGRADE ROCKETS. SPACE RADIATOR SYSTEM FOR ORBIT HEAT DISSIPATION. EJECTION SEAT FOR ASTRONAUT. HYDRAULICALLY ACTUATED HEAT SHIELD REPOSITIONED PRIOR TO LANDING FOR IMPACT RESISTANCE IN LIEU OF SKIRT. EQUIPMENT RELOCATED OUTSIDE OF PRESSURIZED AREA. EQUIPMENT ACCESS DOORS PROVIDED. VEHICLE VOLUME TO ACCOMMODATE 5' 10-1/2", 180 LB. MAN IN PRESSURE SUIT. EQUIPMENT ELIMINATED - PERISCOPE, DROGUE CHUTE, RCS CONTROL LINKAGE, HF AND UHF RECOVERY BEACON, HF RECOVERY, WHIP ANTENNA, RECOVERY DIPLEXER, EARTH PATH INDICATOR. EQUIPMENT ADDED - AUXILIARY UHF RESCUE BEACON, AUXILIARY BEACON ANTENNA. ATLAS TWO-STAGE BOOSTER	7-11-61	(SMSED) 832-10-APP
133	N MK II SPACE-CRAFT BROCHURE 7-6-61	NASA NAS 9-119	MANNED ORBITAL SPACE VEHICLE	ORBITAL VEHICLE - TWO-MAN MERCURY CAPSULE, 18 ORBIT MISSION, CREW - TWO, FULL CONE BODY WITH PARACHUTE HARNESS SUSPENSION FOR CORNER LANDING. ORBITAL ADAPTER - CENTAUR BOOSTER WITH 3 LIQUID PROPELLANT POSIGRADE ROCKETS AND 5 TE-345 SPHERICAL RETROGRADE ROCKETS. EJECTION SEAT FOR ASTRONAUT. HYDRAULICALLY ACTUATED HEAT SHIELD REPOSITIONED PRIOR TO LANDING FOR IMPACT RESISTANCE IN LIEU OF SKIRT. SEMIAUTOMATIC CHECKOUT EQUIPMENT. SPACE RADIATOR SYSTEM FOR ORBITAL HEAT DISSIPATION. EQUIPMENT RELOCATED OUTSIDE OF PRESSURIZED AREA. EQUIPMENT ACCESS DOORS PROVIDED. VEHICLE VOLUME TO ACCOMMODATE TWO MEN IN PRESSURE SUITS - HEIGHT 5' 10-1/2", WEIGHT 180 LBS. EACH. EQUIPMENT ELIMINATED - PERISCOPE, DROGUE CHUTE, RCS CONTROL LINKAGE, HF AND UHF RECOVERY BEACON, HF RECOVERY, WHIP ANTENNA, RECOVERY DIPLEXER, EARTH PATH INDICATOR. EQUIPMENT ADDED - AUXILIARY UHF RESCUE BEACON, AUXILIARY BEACON ANTENNA. ADAPTER-CENTAUR BOOSTER	7-11-61	(SMSED) 832-10-APP

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
133	P MARK II SPACE-CRAFT	NASA	MANNED ORBITAL SPACE VEHICLE	ORBITAL VEHICLE-TWO MAN GEMINI CAPSULE, PARAGLIDER RECOVERY SYSTEM DOCKING ADAPTER FOR AGENA D TARGET VEHICLE. MISSION-RENDEZVOUS AND DOCKING PLANNED 14 DAY ORBITAL FLIGHT. EJECTION SEATS FOR ASTRONAUTS. NOSE AND MAIN LANDING SKIDS. SPACECRAFT: CONSISTS OF REENTRY MODULE AND ADAPTER. REENTRY MODULE: CONSISTS OF A HEAT SHIELD, CABIN SECTION, REENTRY CONTROL SYSTEM SECTION, AND RENDEZVOUS AND RECOVERY SECTION. ADAPTER: CONSISTS OF AN ADAPTER MATING SECTION, ADAPTER EQUIPMENT SECTION, AND RETROGRADE SECTION. DUAL COOLANT LOOP SPACE RADIATOR. COMMUNICATION SYSTEM: TWO-WAY UHF AND TWO-WAY HF ORBITAL VOICE COMMUNICATIONS SPACECRAFT-TO-GROUND TELEMETRY, C-BOARD RADAR TRACKING BEACON, S-BOARD RADAR TRACKING BEACON, UHF RECOVERY SYSTEM, UHF DIGITAL COMMAND SYSTEM, AND INTERCOMMUNICATIONS. (MCDONNELL REPORTS B 741,B742) ADAPTER-TITAL II BOOSTER	11-21-61	306-10-063
133	Q	NASA	GEMINI TRANSPORT	GEMINI TRANSPORT - A GEMINI SPACECRAFT IS MODIFIED TO ACCOMPLISH REARWARD DOCKING AND TO PROVIDE CREW ACCESS TO THE SPACE STATION. MODIFICATIONS: A. REENTRY MODULE 1. ADDITION OF: (a) A 27" DIAMETER HATCH IN THE LARGE PRESSURE BULKHEAD. (b) A 24" DIAMETER PRESSURIZED TUNNEL BETWEEN THE BULKHEAD AND HEAT SHIELD. 2. REMOVAL OF THE NOSE DOCKING GEAR. 3. MODIFICATION OF THE EJECTION SEAT BACKS TO PROVIDE ACCESS TO THE HATCH. 4. ELIMINATION OF THE TAPERED SECTION AT THE AFT END OF THE CENTER OVERHEAD STRUCTURE BOX. 5. RELOCATION OF PARAGLIDER DRIVE MOTORS, REELS, PULLEYS AND CABLES. B. ADAPTER 1. REARRANGEMENT OF INTERNAL EQUIPMENT, TANKAGE, AND RETRO-ROCKETS. 2. ADDITION OF: (a) A GEMINI-TO-STATION PRESSURIZED TUNNEL CONTAINING THE CREW DOCKING STATION AND VIEW WINDOW, (b) AFT END DOCKING RING (c) A RETROROCKET	12-31-62	

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
133	Q	(CONTINUED)		3. REDUCTION IN MANEUVERING PROPULSION SYSTEM PROPELLANTS AND TANKAGE, DUE TO THE LESSER REQUIREMENTS OF THE TRANSPORT MISSION. GLV MCDONNELL REPORT 9272		
134	A	USAF (WADC PR-08406 4-25-58)	SPACE CABIN	LIFE SUPPORT SYSTEM FOR SPACE VEHICLE. SINGLE PLACE. SPHERICAL-SHAPED CABIN: 5.5 FT. DIAMETER. SYSTEMS AND EQUIPMENT PROVIDED FOR: 1) CREW SUPPORT 2) MICRO-CLIMATE 3) DATE COLLECTIONS 4) VOICE COMMUNICATION 5) TELEVISION 6) BEACON 7) FOOD AND WATER 8) WASTE DISPOSAL MCDONNELL REPORT 6133	5-1-58	6010-001
135	A	ARMY (RFGMP 6-25-58)	HELICOPTER	MEDIUM TRANSPORT TANDEM ROTOR HELICOPTER. CREW: TWO SIDE-BY-SIDE. TROOPS: PROVISIONS FOR 23 IN NORMAL LOAD WITH SPACE FOR 32. PROVISIONS FOR 24 LITERS AND 2 MEDICAL ATTENDANTS. ROTORS: TWO-THREE BLADED - 55 FT. DIAMETER 24.5 IN. CHORD-MANUAL FOLDING. TRANSMISSION: THREE GEARED TYPE POWER TRANSMISSION SYSTEMS; ENGINE GEAR BOX, FRONT AND REAR ROTOR GEAR BOXES. LENGTH: 52 FT. (FUSELAGE); 80 FT. 3 IN. FRONT ROTOR BLADE TIP TO REAR ROTOR BLADE TIP. TAIL: H-TYPE, 21 FT. 7 IN SPAN. AREA: 125 SQ. FT. (HORIZONTAL) 138 SQ. FT. (VERTICAL). TWO EXTERNAL FUEL TANKS - 380 GAL. CAPACITY. AFT LOADING RAMP IN FUSELAGE. LANDING GEAR CONFIGURATION ADAPTABLE FOR INSTALLATION OF FLOAT OR SKI KITS. NAV.-COMPUTER, IR AND CNI SYSTEMS SIMILAR TO F4H. THREE TURBO-SHAFT T-55-L-9 MCDONNELL REPORT 6247	6-26-58	6010-001

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
136	A	USAF (RFP 5-16-58)	REENTRY VEHICLE	REENTRY VEHICLE FOR WEAPON SYSTEM 133A (MINUTEMAN). NOSE CONE PORTION. CONFIGURATION: SPHERICAL TIPPED, TRUNCATED CONE NOSE, CYLINDRICAL BODY, FLARED AFTERBODY. WEIGHT: BASIC CONFIGURATION TO ACCOMMODATE BOTH LIGHT AND HEAVY NOSE CONES. SPECIAL WARHEAD OF VARIOUS WEIGHTS MOUNTED WITHIN THE NOSE CONE. THREE-STAGE ROCKET (SOLID-PROP.) BOOSTER MCDONNELL REPORT 6175	7-2-58	6010-001
137	A	ARMY (TRFPDS 4-28-58)	MISSILE	SURFACE-TO-AIR MISSILE (MAULER). SHORT RANGE. ZERO LAUNCHED. SIMPLE AUTOPILOT. SEMI-ACTIVE RADAR SEEKER. PROPORTIONAL NAVIGATION OR INFRARED PASSIVE SEEKER. CRUCIFORM WINGS. CONVENTIONAL WARHEAD. CANARD CONTROL SURFACES. SOLID-PROP. ROCKET DUAL THRUST (BOOST AND SUSTAIN) MCDONNELL REPORT 6330	7-2-58	6010-001
138	A	NASA	RESEARCH SATELLITE	RESEARCH SATELLITE. VEHICLE (SOLARSCOPE). SCIENTIFIC INVESTIGATION OF TIME VARYING SOLAR AND STELLAR PHENOMENA. OCTAGONAL SHAPED, ALUMINUM STRUCTURE. VEHICLE COMPONENTS: a) INSTRUMENTATION b) STABILIZATION AND CONTROL SYSTEM c) POWER SYSTEM d) DATA STORAGE, TRANSMISSION, AND RECEPTION SYSTEM THREE-STAGE ROCKET (LIQUID AND SOLID PROP.) BOOSTER MCDONNELL REPORTS 6309, 6310, 6311	7-28-58	6140-020
139	A	NAVY RFP PR EN 11-2517-59 (10-29-58)	TARGET SYSTEM	AIR-TO-AIR POWERED TARGET. MIDWAY MONOPLANE, CRUCIFORM TAIL, ROLL FLIPPERS. PROGRAMMED GUIDANCE. TWIN ROCKET (LIQUID PROPELLANT) MCDONNELL REPORT 6537)	10-21-58	6010-001
140	A	USAF (RFP 7-23-58)	WEAPON SYSTEM	ASSEMBLY AND TEST PROGRAM FOR WEAPON SYSTEM 133A (MINUTEMAN). RESPONSIBILITIES FOR THE ASSEMBLY AND TEST PROGRAM GENERALLY INCLUDE THE FOLLOWING. a) CONFIRMATION OF MISSILE DESIGN b) FABRICATION OF AIRBORNE AND TEST SUPPORT EQUIPMENT c) ASSEMBLY AND CHECKOUT OF MISSILES d) CONDUCT OF GROUND, CAPTIVE AND FLIGHT TEST PROGRAM THREE-STAGE ROCKET (SOLID-PROP.) BOOSTER MCDONNELL REPORT 6351	8-11-58	6010-001

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
141	A	NAVY	HELICOPTER	FLYING CRANE HELICOPTER. CREW: THREE (PILOT, COPILOT, FLIGHT ENGINEER). ROTOR: THREE - THREE BLADED WITH PRESSURE JETS. 75 FOOT DIAMETER. MANUAL BLADE FOLDING. DIMENSIONS: LENGTH: 69.3 FEET. WIDTH: 80 FEET. HEIGHT: 18 FEET. DESIGN GROSS WT. 132,000 LBS. PAYLOAD 34,500 LBS. RANGE: 100 NAUTICAL MILES WITH 34,500 LBS. PAYLOAD DESIRED. CRUISE: 80 KNOTS - MINIMUM REQUIRED. LANDING GEAR - FIXED WHEELS. SIX TURBO-SHAFT T56-A-6	8-28-58	6010-001
141	B	NAVY	HELICOPTER	FLYING CRANE HELICOPTER. CREW: THREE (PILOT, COPILOT, FLIGHT ENGINEER). ROTOR: TWO - THREE BLADED, SHAFT DRIVEN, 85 FT. DIAMETER. DIMENSIONS: LENGTH: 144.5 FT. WIDTH: 85 FT. HEIGHT: 22. DESIGN GROSS WEIGHT 110,000 LBS. PAYLOAD 34,500 LBS. FOUR TURBO-SHAFT T56-A-( )	8-11-58	6010-001
141	C	NAVY	HELICOPTER	FLYING CRANE HELICOPTER. CREW: THREE (PILOT, COPILOT, FLIGHT ENGINEER). ROTOR: ONE - THREE BLADED WITH PRESSURE JETS. FURTHER INFORMATION NOT AVAILABLE. NOT AVAILABLE	8-11-58	6010-001
142	A	USAF COM-MERCIAL	AIRPLANE TRANSPORT	JET SUPERSONIC TRANSPORT. CREW: TWO SIDE-BY-SIDE. PASSENGERS: TEN. LENGTH: 100 FT. MEDIUM WEIGHT. HIGH WING: AREA 900 SQ. FT. SWEEPBACK ANGLE OF LEADING EDGE: 70°. THICKNESS RATIO: 4%. ENGINES MOUNTED ON PYLONS UNDERNEATH THE WING. TWO TURBO-JET J93-P-3	8-29-58	6010-001
142	B	USAF COM-MERCIAL	AIRPLANE TRANSPORT	JET SUPERSONIC TRANSPORT. CREW: TWO SIDE-BY-SIDE. PASSENGERS: TEN. LENGTH: 90 FT. MEDIUM WEIGHT. LOW WING: AREA 1000 SQ. FT. SWEEPBACK ANGLE OF LEADING EDGE: 70%. THICKNESS RATIO: 4%. ENGINES: TWO PACKAGES, UNDER WINGS AND AFT FUSELAGE. DUCTS: TWO SIDE-BY-SIDE BENEATH FUSELAGE AND WINGS. CANARD: LOCATED ON NOSE SECTION. TWO TURBO-JET GE-J93-X 279M	1-15-59	6010-001

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
142	C	USAF COM-MERCIAL	AIRPLANE TRANSPORT	JET SUPERSONIC TRANSPORT. CREW: TWO SIDE-BY-SIDE. PASSENGERS: TEN. LENGTH: 90 FT. MEDIUM WEIGHT. LOW WING: AREA 1000 SQ. FT. SWEEPBACK ANGLE OF LEADING EDGE: 70%. THICKNESS RATIO: 4%. ENGINES: TWO PODS BENEATH WINGS. CANARDS: LOCATED ON NOSE SECTION. TWO TURBO-JET GE-J93-X 279M	1-15-59	6010-001
142	D	USAF COM-MERCIAL	AIRPLANE TRANSPORT	JET SUPERSONIC TRANSPORT. CREW: TWO SIDE-BY-SIDE. PASSENGERS: TEN. MEDIUM WEIGHT. LOW WING: AREA 1000 SQ. FT. SWEEPBACK ANGLE OF LEADING EDGE: 70°. THICKNESS RATIO: 3%. TAIL: TWO - LOCATED ONE ON EACH WING SWEEPBACK ANGLE 60%. DUCTS: TWO SIDE-BY-SIDE BENEATH FUSELAGE AND WINGS. CANARD: AREA 130 SQ. FT. THICKNESS RATIO: 3%. TWO TURBO-JET GE-J93-X 279H (MCDONNELL REPORT 6599)	1-15-59	6010-001

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
143	A	USAF (WADC RFP 12-10-58)	SOLAR ELECTRICAL POWER SYSTEM (SEPS)	SOLAR ELECTRICAL POWER SYSTEM, AS PRESENTLY CONCEIVED, SEPS WILL CONSIST OF: a) TWO FOLDABLE AND EXTNEDABLE EQUILATERAL TETRAHEDRON ARRAYS OF SILICON SOLAR CELLS. b) EXTENSION AND UNFOLDING MECHANISMS FOR THE ARRAYS. c) A SELF-POWERED, ONE SHOT ARRAY EXTENSION PROGRAMMER. d) A NICKEL-CADMIUM STORAGE SUBSYSTEM. e) A BATTERY-CHARGING CONTROL SUBSYSTEM. f) A VOLTAGE-REGULATION SUBSYSTEM. (MCDONNELL REPORT 6587)	1-16-59	(MED) E9426-001
144	A	USAF (RFP 1-30-59	MISSILE	STUDY PROGRAM TO ASCERTAIN THE FEASIBILITY OF AN ADVANCED AIR-TO-SURFACE MISSILE FOR TAC. TO BE DETERMINED (MCDONNELL REPORT 6735)	2-18-59	MED) E9424-008
145	A	NASA	SPACE VEHICLE	SURVEYOR UNMANNED SPACECRAFT FOR INVESTIGATION OF MOON SURFACE AND ENVIRONMENT SOFT-LANDING METHOD, FIVE STRUCTURAL VERSIONS AND FOUR PROPULSION SYSTEMS CONSIDERED. SINGLE STAGE VEHICLE UTILIZING BIPROPELLANT LIQUID MOTORS AND COLD GAS JETS TO PROVIDE RETRO-THRUST, MID-COURSE CORRECTION AND ATTITUDE CONTROL. FOUR LEGGED LANDING GEAR SYSTEM WHICH PERMITS LANDING ON LUNAR SLOPES OF 20° BODY STRUCTURE CONSISTS OF A LIGHT WEIGHT TRUSS HAVING MINIMUM MEMBERS. SOLAR ARRAY CONSISTING OF FOUR PANELS OF 11 SQ. FT. EACH PROVIDING PRINCIPAL SOURCE OF ELECTRICAL POWER DURING TRANSIT AND FOR LUNAR DAY OPERATIONS. GUIDANCE OF CONTROL SYSTEM WHICH REQUIRES SHORT OPERATING TIME FOR MOST EQUIPMENT AND SINGLE RATHER THAN MULTIPLE, FUNCTIONAL REQUIREMENTS FOR EACH INSTRUMENT. EXPERIMENT PAYLOAD OF 280 LBS FOR FIRST SPACECRAFT. (MCDONNELL REPORTS 6923, 7539, 7931 VOL. II PART I), ATLAS CENTAUR	2-18-59	(MED) E9424 -011 327
146	A (B.S. SHARRAH'S MEMO. 410-146-34 1-4-60)	ARMY	MISSILE	ANTI-TANK WEAPON SYSTEM (BRAT), SHORT RANGE, MAN-TRANSPORTABLE GROUND BASED LAUNCHING SYSTEM OR VEHICLE MOUNTED RECOILESS RIFLE LAUNCHING SYSTEM. MINUMUM AMOUNT OF OPERATOR SKILL AND TRAINING REQUIRED. NO MOVING PARTS IN MISSILE. BASIC FEATURES DERIVE FROM UNIQUE GUIDANCE SYSTEM EQUIPPED AS FOLLOWS:	2-18-59	(MED) E9424-009 189, E9424-042

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
146	A (B.S. SHARRAH'S MEMO. 410-146-34 1-4-60)	(CONTINUED)		a) IR DETECTORS INCLUDED b) LAUNCHING SYSTEM WITH GEARED-DOWN MANUAL TRACKING SYSTEM. c) TRI-POD LAUNCHER d) LAUNCH TUBE WHICH IS ALSO USED AS CARRYING CASE. e) INFRARED PROJECTOR f) 10X TELESCOPIC SIGHT g) SMALL SPIN ROCKETS FOR MISSILE CONTROL WHEN FIRED FROM LAUNCHING TUBE h) SOLID, NON-METALLIC PROPELLANT ROCKET MOTOR GUIDANCE CONCEPT BASED ON ABILITY TO DETECT BOUNDARY BETWEEN BACKGROUND REDIATION AND RADIATION FROM PROJECTOR. TWO PORTIONS OF MODEL 146 FLIGHT a) UNGUIDED BOOST PHASE b) GUIDED FLIGHT PHASE AFTER MOTOR BURNOUT. SOLID PROPELLANT SINGLE STAGE (MCDONNELL REPORTS 7008, 7573, 8031)		
146	B	ARMY	MISSILE	SIDEKICK II ANTI-TANK MISSILE SYSTEM, MODIFICATION OF ABOVE SIDEKICK I a) MISSILE LAUNCHED FROM A TUBE b) MISSILE OPTICALLY TRACKED WITH A FIXED RETICLE, V-SHAPED PATTERN c) COMMAND SIGNALS ARE GENERATED AND TRANSMITTED TO THE MISSILE WITH A WIRE GUIDANCE LINK WHICH RESULT IN THE FIRING OF INDIVIDUAL SIDETHRUSTING CARTRIDGES IN THE MISSILE. SOLID PROPELLANT	9-19-61	(SMD) 348-06-0
147	A	ARMY (USCONARC)	AIRPLANE TRANSPORT (BASIC)	FOUR-TON STOL TRANSPORT FEASIBILITY STUDY. CREW: THREE, WING: HIGH CONFIGURATION LANDING GEAR: FUSELAGE MOUNTED AFT FUSELAGE AIR DROP DOOR. FOUR ENGINES (MCDONNELL REPORT 6474)	2-18-59	E9222-021
147	B	ARMY (USCONARC)	AIRPLANE TRANSPORT (OPTIONAL)	SAME AS 147A EXCEPT FOUR ENGINE STOVL WITH PROP BLOWN EMPENNAGE. FOUR ENGINES	4-28-59	E9222-021

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
147	C	ARMY (USCONARC)	AIRPLANE TRANSPORT (OPTIONAL)	SAME AS 147A EXCEPT SIX ENGINE VTOL WITH PROP BLOWN EMPANNAGE SIX ENGINES	4-28-59	E9222-021
147	D	ARMY (USCONARC)	AIRPLANE TRANSPORT (OPTIONAL)	SAME AS 147A EXCEPT TWO ENGINE CONVENTIONAL WITH NORMAL EMPENNAGE. TWO ENGINES	4-28-59	E9222-021
147	E	DESIGN FOR USAF	AIRPLANE TRANSPORT	CONVENTIONAL EMPENNAGE MILITARY HIAD (3G) SAFTOL 750'/50', GROSS WT. 20,000 # (MAX. LANDING WT. HIAD), WING: HIGH CONFIGURATION, LANDING GEAR: FUSELAGE MOUNTED AFT FUSELAGE AIR DROP DOOR, CREW: THREE	4-28-59	E9222-021
147	F	DESIGN FOR FAA(CAA) (3.5G)	AIRPLANE TRANSPORT	CONVENTIONAL EMPENNAGE SEMI-STOL (500'/50'), GROSS WT.: 17143 (MAX. LANDING WT. FAA). WING: HIGH CONFIGURATION, LANDING GEAR: FUSELAGE MOUNTED AFT FUSELAGE AIR DROP DOOR, CREW: THREE TWO ENGINES	4-28-59	E9222-021
147	G	DESIGN FOR USAF	AIRPLANE TRANSPORT	TRANSPORT AIRPLANE, FOUR ENGINE, PROP BLOWN EMPENNAGE, MILITARY HIAD (3G) STOVL, GROSS WT. 20,000# (MAX. LANDING WT. HIAD), WING: HIGH CONFIGURATION, LANDING GEAR: FUSELAGE MOUNTED AFT FUSELAGE AIR DROP DOOR, CREW: THREE FOUR ENGINES	4-28-59	(AED) E9222-021 E9222-046
147	H	DESIGN FOR FAA (CAA) (3.5G)	AIRPLANE TRANSPORT	TRANSPORT AIRPLANE FOUR ENGINE PROP BLOWN EMPENNAGE. VTOL (3.5G) VTOL (3.5G): GROSS WT. 17143# (MAX. LANDING WT FAA) OR STOVL (3G) GROSS WT. 20,000#, WING: HIGH CONFIGURATION, LANDING GEAR: FUSELAGE MOUNTED. AFT FUSELAGE AIR DROP DOOR, CREW: THREE FOUR ENGINES	4-28-59	(AED) E9222-021 E9222-046
148	A	ARPA (RFP DATED 12 JUN 59)	SATELLITE	STRATEGIC COMMUNICATION SATELLITE SYSTEM PROPOSAL, SIMPLE RIGID BODY WITH A FIXED SOLAR CELL ARRAY STABILIZED TO THE EARTH VERTICAL BY MEANS OF AN IR HORIZON SCANNER, AND TRACKING THE SUN ABOUT THE YAW (VERTICAL) AXIS ONLY TO MAXIMIZE ELECTRICAL OUTPUT OF THE SOLAR ARRAY. INCORPORATES SIX COLD-GAS ON-OFF REACTION JETS, USING STORED NITROGEN. A 75 POUND PAYLOAD ALLOWANCE IS PROVIDED WITHIN THE SATELLITE WEIGHT OF 350 POUNDS. BOOSTER (MCDONNELL REPORT 6914)	2-18-59	(MED) E9423-012

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
149	A	USAF	MCDONNELL AUTOMATIC CHECKOUT (MACS)	AUTOMATIC CHECKOUT SYSTEM. PURPOSE OF SYSTEM: EVALUATION OF F-101B AFCS SYSTEM AND OTHER COMPLEX CONTROL SYSTEMS. CAPABLE OF EVALUATING ANY SYSTEM THAT CAN BE EXPRESSED OR CONVERTED TO VOLTAGE, EVENTS PER UNIT OF TIME, TIME INTERVAL EVENT COUNT AND FREQUENCY RATIO. NONE (MCDONNELL REPORT 6333)	2-24-59	(AED) 603, 604, 603-91-980
150	A	WADC (PR NO. 23278 DATED 1-16-59)	REFRACTORY METALS RESEARCH	REFRACTORY METAL RESEARCH DEVELOPMENT PROGRAM TO DESIGN, FABRICATE AND TEST A REPRESENTATIVE AIRCRAFT STRUCTURAL COMPONENT OF REFRACTORY METALS DESIGNED TO OPERATE FOR EXTENDED PERIODS BETWEEN 1800°F AND 2500°F. NONE (MCDONNELL REPORTS 6637, 7487)	5-1-59	(MED) 304
151	A	USAF (BMD) RFB 5-1-59	SPACE VEHICLE COMPONENTS	PAYLOAD AND TEST WEAPON FOR W.S. 609A. GLIDE REENTRY VEHICLE WITH THREE TYPES OF CONFIGURATION: a. BALLISTIC PROBE b. BALLISTIC VEHICLE c. BOOST GLIDE VEHICLE DESIGN WILL UTILIZE STANDARDIZED MODULAR COMPONENTS WHEREVER PRACTICABLE. CHANCE-VOUGT SCOUT BOOSTER (MCDONNELL REPORTS 6837, 7479)	5-6-59	(MED) E9423-022 319
151	B	USAF WADD RFP 11-2-60	SPACE VEHICLE	ASSET TEST VEHICLE FOR EVALUATION OF ADVANCED STRUCTURAL DESIGN CONCEPTS FOR BOOST GLIDE AND LIFTING REENTRY VEHICLES UNDER ACTUAL FLIGHT CONDITIONS - THREE VEHICLE DESIGNS: (1) AEROTHEMODYNAMIC, 2) STRUCTURAL, (3) AEROTHERMOELASTIC. TEST VEHICLE WILL BE EMPLOYED AS THE FOURTH STAGE PAYLOAD OF THE STANDARD TS 609A VEHICLE. FOURTH STAGE ROCKET MOTOR, WILL BE CARRIED INTERNALLY AS AN INTEGRAL PART OF TEST VEHICLE. TEST VEHICLE WILL BE COMPOSED OF THREE STRUCTURAL SECTIONS; THE FORWARD SECTION, THE CENTER SECTION, AND THE AFT SECTION. PLANFORM AREA IS APPROXIMATELY 14 SQUARE FEET WITH ZERO° DIHEDRAL. FORWARD SECTION WILL UTILIZE HEAT RESISTANT STRUCTU E. NOSE SECTION WILL BE OF A HEAT SUSTAINING DESIGN SUITABLE FOR OPERATION AT ELEVATED TEMPERATURES UP TO 4100°F. BLUE SCOUT BOOSTER TS 690A (MCDONNELL REPORT 7925)		(SMD)

MCDONNELL MODEL NUMBERS 1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
151	C	USAF	SPACE VEHICLE (ASSET)	TEST VEHICLE FOR EVALUATION OF ADVANCED STRUCTURAL DESIGN CONCEPTS FOR BOOST GLIDE AND LIFTING REENTRY VEHICLES UNDER ACTUAL FLIGHT CONDITIONS - VEHICLE DESIGN: AEROTHEROMODYNAMICS/STRUCTURAL VEHICLES (ASV) USING THE THOR/DELTA BOOSTER. THE VEHICLE WILL BE COMPOSED OF TWO STRUCTURAL SECTIONS. PLANFORM AREA IS APPROXIMATELY 14 SQUARE FEET WITH ZERO° DIHEDRAL. NOSE SECTION WILL BE OF A HEAT SUSTAINING DESIGN FOR OPERATION AT ELEVATED TEMPERATURES UP TO 4100°F. SYSTEMS: AIRFRAME, FLIGHT CONTROL, INSTURMENTATION, COMMUNICATION, SELF DESTRUCT, RECOVERY, ELECTRICAL POWER AND DISTRIBUTION, BALLAST, AGE THOR/DELTA BOOSTER OR THOR/DELTA (MCDONNELL REPORT 9421) AND (MCDONNELL REPORT B824)	5-25-62	E9923-026
151	D	USAF	SPACE VEHICLE (ASSET)	2 - AEROTHERMOELEASTIC VEHICLES USING THOR BOOSTER. BASIC ASV VEHICLE AIRFRAME DESIGN WITH SIGNIFICANT CHANGES IN STRUCTURAL GEOMETRY TO PROVIDE FOR THE FLUTTER PANEL-HYPERSONIC RAKE AND AERODYNAMIC FLAP EXPERIMENTS. LENGTH: 69" SPAN: 55" WEIGHT: 1000 TO 1200 LBS. THOR BOOSTER (MCDONNELL REPORT 9421)		E9923-076
151	M	USAF	SPACE VEHICLE (ADVANCED ASSET)	THE TEST VEHICLE IS THE SAME AS PRESENT ASSET WITH THE FOLLOWING CHANGES: 3 GLIDE RESEARCH VEHICLES USING THE THOR-DELTA BOOSTER. PRIMARY EXPERIMENTS OPTIONAL BUT MAY INCLUDE EVALUATION OF: (1) SOME ASPECTS OF SUPERORBITAL REENTRY FLIGHT MECHANICS (2) HYPERSONIC MANEUVERING AND ENERGY MANAGEMENT (3) MAXIMUM HEATING FOR EQUILIBRIUM GLIDE (4) CONTROL SURFACE AERODYNAMICS AND HEATING (5) FLIGHT CONTROL SYSTEM USING AERODYNMAIC CONTROL (6) ADDITIONAL ENVIRONMENTAL MEASUREMENTS (7) PLASMA CHARACTERISTICS AND EFFECTS ON ELECTROMAGNETICS AND OPTICS.	5-25-63	E9423-076

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
151	M	(CONTINUED)		(8) SECOND GENERATION STURCTURE (9) IMPROVED MATERIALS (10) INCREASED GLIDE TIME ADD: CONTROL SURFACES AND SERVOS, EXTEND BODY AFT TO TRAILING EDGE OF CONTROL SURFACES. LENGTH: 83" SPAN: 65" WEIGHT: 1230 LBS. THOR-DLETA BOOSTER (MCDONNELL REPORT 9059)		
152	A	NASA REP ONR: 610:FAG 5-18-59	REENTRY	NUCLEAR EMULSION RECOVERY VEHICLE (REENTRY NOSE CONE). CAPSULE CONSIST OF FOLLOWING SUBASSEMBLIES: a. THE OUTER SHELL. b. THE NUCLEAR EMULSION PACKAGE AND RETRACTION MECHANISMS. c. RECOVERY COMPONENTS. (MCDONNELL REPORT 6893)	6-8-59	(MED) E9423-026
153	A	NAVY PR-AER-2477-0	AIRPLANE	ALL WEATHER CARRIER-BASED AIR DEFENSE AIRCRAFT ARMED WITH EAGLE MISSILES. (MISSILEER) FUEL: INTERNAL - 2542 GAL. UNUSABLE - 15 GAL. CREW: TWO-TANDEM COCKPIT WHEELS: MAIN - 36 X 11 NOSE WHEELS (DUAL) 22 X 5.5 DIMENSIONS: LENGTH: 61' 0" WIDTH: 64' 4" WING AREA: 600 SQ. FT. TWO P&W TF-30-P-2 (MCDONNELL REPORTS 7301, 7302)	10-15-59	(AED) E9222-048
154	A	NAVY	AIRPLANE	ALL WEATHER CARRIER-BASED AIR DEFENSE AIRCRAFT ARMED WITH EAGLE MISSILES. TURBO-PROP VERSION OF MODEL 153A. TURBO-PROP.	1-13-60	(AED) E9222-048

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
155	A	ABMA	PROPULSION UNIT	SECOND STAGE PROPULSION SYSTEM FOR SATURN. FOUR HYDROGEN/OXYGEN ENGINES UPRATED TO 20,000 POUNDS VACUUM THRUST AT A NOMINAL o/f RATIO OF 5.0. PROPELLANT CONTAINERS ACCOMMODATE 120,000 POUNDS OF LIQUID OXYGEN AND LIQUID HYDROGEN. ANTI-SLOSHING RINGS ARE PROVIDED. TWO RF LINKS PROVIDING NINE CONTINUOUS AND 218 COMMUTED DATA CHANNELS. LIQUID ROCKET FOUR PW RL10B-3 (MCDONNELL REPORT 7374)	1-29-60	(MED) E9423-059
156 200	TS	USAF (TRI-SERVICE)	AIRPLANE (TF-X)	PRIMARY MISSION - AN OFFENSIVE CAPACITY WITH DEFENSIVE CAPABILITIES. 2 CREW MEMEBERS SIDE BY SIDE, WING AREA - 375.0 SQ. FT., LENGTH - 80 FT. 8.0 IN. VARIABLE WING SWEEP, INTERNAL FUEL - 3915 GALS. WEAPONS - THE WEAPONS BAY SHALL PROVIDE FOR INTERNAL STORAGE OF ALTERNATE ARMEMENT LOADINGS SUCH AS GAM 83A OR B MISSILES GAR-8 MISSILES, MINES, DEMOLITION BOMBS, ETC. THE ALTERNATE EXTERNAL ARMAMENT LOADINGS CONSISTING OF THE GAM 83A OR C MISSILES, GAR-8 MISSILES, DEMOLITION BOMBS, FIRE BOMBS, ETC. THE OFFENSIVE SUB-SYSTEM SHALL PROVIDE THE CAPABILITY OF SUCCESSFULLY CARRYING LAUNCHING, AND CONTROLLING ARMAMENT FROM THE INTERNAL AND EXTERNAL STORES STATIONS 2 G.E. MODEL MF296A TURBOFAN	3-28-60	E9222-046
156 200	NI	NAVY (TRI-SERVICE)	AIRPLANE (TF-X)	PRIMARY MISSION - A CARRIER-BASED, ALL-WEATHER FIGHTER. SECONDARY MISSION - PERFORM AIR-TO-GROUND MISSIONS USING CONVENTIONAL AND NUCLEAR ORDNANCE. 2 CREW MEMBERS SIDE BY SIDE IN COCKPIT. WING AREA - 375.0 SQ. FT. LENGTH - 65 FT. 6.0 IN. INTERNAL FUEL - 3357 GALS. VARIABLE WING SWEEP, WEAPONS - LONG RANGE AIR-TO-AIR MISSILES INTERNALLY AS WELL AS EXTERNALLY. WILL ALSO CARRY ALTER-NATE ARMAMENT LOADINGS SUCH AS SPARROW III MISSILES. BULLPUP MISSILES, DEMOLITION BOMBS, NAPALM BOMBS, ETC. IT WILL INCORPORATE AN AIRBORNE MISSILE CONTROL SYSTEM (AMCS) PROVIDING FIRE CONTROL SYSTEM, MULTIPLE TARGET DETECTION AND TRACKING MULTIPLE LAUNCH OF LRAAM MISSILES. THE SYSTEM SHALL ALSO INCLUDE RADAR TRACK WHILE SCAN, DIGITAL COMPUTATION, GROUND MAP AND INFRARED SEARCH AND TRACK CAPABILITY. 2 G.E. MODEL MF 295A TURBOFAN	3-28-60	E9222-046

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
156-300	TS	USAF (TRI-SERVICE)	AIRPLANE (TF-X)	PRIMARY MISSION - AN OFFENSIVE WEAPON WITH DEFENSIVE CAPABILITIES UTILIZING COUNTER-AIR MISSION, SELECTED GROUND TARGET, CLOSE AIR-SUPPORT. 2 CREW MEMBERS IN A TANDEM SEATING COCKPIT. WING AREA-315.0 SQ. FT., LENGTH - 73.0 FT., WEAPONS - THE INTERNAL ARMAMENT LOAD SHALL CONSIST OF A SELECTION OF THE FOLLOWINC: GAR-8, GAM 83A OR B, DEMOLITION BOMBS, MINES, ETC. THE EXTERNAL ARMAMENT LOAD SHALL CONSIST OF THE FOLLOWING: GAR-8, GAM 83A OR C, DEMOLITION BOMBS, FIRE BOMBS, ETC. THE OFFENSIVE SUBSYSTEM SHALL PROVIDE THE CAPABILITY OF SUCCESSFULLY CARRYING, LAUNCHING AND CONTROLLING ARMAMENT FROM THE INTERNAL AND EXTERNAL STORES STATIONS. 2 G.E. MODEL MF 295A3 TURBOFAN	3-28-60	E9222-046
156-300	NI	NAVY (TRI-SERVICE)	AIRPLANE (TF-X)	PRIMARY MISSION - SHALL BE A CARRIER-BASED, ALL-WEATHER FIGHTER. SECONDARY MISSION - TO PERFORM AIR-TO-GROUND MISSIONS USING CONVENTIONAL AND NUCLEAR ORDNANCE. 2 CREW MEMBERS IN A TANDEM SEATING COCKPIT. WING AREA - 315.0 SQ. FT. LENGTH - 62 FT. VARIABLE WING SWEEP. INTERNAL FUEL - 2499 GALS. WEAPONS - LONG RANGE AIR-TO-AIR MISSILES INTERNALLY AS WELL AS EXTERNALLY. WILL ALSO CARRY ALTERNATE ARMAMENT LOADINGS SUCH AS SPARROW III MISSILES. BULLPUP, DEMOLITION BOMBS, NAPALM BOMBS, ETC. WILL BE PROVIDED WITH AN AIRBORNE MISSILE CONTROL SYSTEM (AMCS), PROVIDING FIRE CONTROL SYSTEM, MULTIPLE TARGET DETECTION AND TRACKING AND MULTIPLE LAUNCH OF LRAAM MISSILES, THE SYSTEM SHALL INCLUDE RADAR TRACK WHILE SCAN, DIGITAL COMPUTATION, GROUND MAP, AND INFRARED SEARCH AND TRACK CAPABILITY. 2 G.E. MODEL MF 295A3 TURBOFAN	3-28-60	E9222-046
157	A	USAF (BMD)	REENTRY VEHICLE	REENTRY VEHICLE FOR USE WITH TITAN II ROCKET. STRUCTURE IS BONDED ALUMINUM HONEYCOMB HEAT SHIELDED BY A PHENOLIC REFRASIL ABLATION COVERING. INCORPORATES A DOUBLE CONE FLARED SKIRT, SPIN INDUCING SEPARABLE FINS, A SPHERICAL BASE COVER, AND A PROJECT MERCURY-TYPE RELIABLE SEPARATION SYSTEM. LENGTH - 15 FEET. MAXIMUM DIAMETER - 8 FEET. WEIGHT (INCLUDING WARHEAD) - 7,490 POUNDS. TITAN II BOOSTER (MCDONNELL REPORT 7495)	4-12-60	(MED) E9221-003

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
158	A	TRI-SERVICE	HELICOPTER	LIGHT OBSERVATION HELICOPTER (LOH). ONE MAIN ROTOR (THREE BLADES) ONE TAIL ROTOR (TWO BLADES) HEIGHT - 9 FEET. MAXIMUM LENGTH - 38 FEET 6 INCHES. GROSS WEIGHT - 2360 POUNDS. CREW CAPACITY - TWO (SIDE BY SIDE). PASSENGER CAPACITY - TWO (SIDE BY SIDE). INTERNAL FUEL - 70 GALLONS (MAXIMUM) ALLISON TURBO-SHAFT YT63-A-3 (MCDONNELL REPORTS 7885, 7886, 7887, 7888, 7889)	5-11-60	(HED) E 9325-023
159	A	USAF	AIRCRAFT DISASTER SENSING SYSTEM	AIRCRAFT DISASTER PREDICTION SYSTEM IS A DEVICE TO BE USED IN THE B-52 AND B-58 BOMBER AIRCRAFT AND THE GAM-77 MISSILE. THE ADPS IS COMPOSED OF THE FOLLOWING: 1. CONTROL PANEL UNIT 2. TWO SENSOR UNITS 3. POWER SUPPLY UNIT 4. AIRCRAFT DISASTER PREDICTOR UNIT (MCDONNELL REPORTS 7407, 7878, 8142)	5-13-60	(AED) E9226-017 326
160	A	USAF	TAPE AUTOMATIC PREPARATION EQUIPMENT (TAPE)	TAPE AUTOMATIC PREPARATION EQUIPMENT (TAPE) FOR USE WITH THE AN/GJQ-9. IT WILL QUICKLY AND ACCURATELY PREPARE PUNCHED TAPES FOR CONTROLS OF AUTOMATIC CHECKOUT SYSTEMS. IT WILL CONVERT PROGRAMMING COMMANDS DIRECTLY FROM ENGLISH TO PUNCHED TAPE BY MEANS OF AN ENGLISH KEYBOARD. FIVE MODES OF OPERATION: a) PUNCH MODE b) VARIFY MODE c) DUPLICATE MODE d) SELECTIVE DUPLICATE MODE e) NUMERIC CODING MODE CAPABLE OF SELF TESTING BY MEANS OF DIAGNOSTIC SELF TEST TAPES. (MCDONNELL REPORTS 7169, 7749)	5-13-60	(AED) E9226-019
160	B	NAVY	TAPE AUTOMATIC PREPARATION EQUIPMENT (TAPE)	BASICALLY THE SAME AS THE MODEL 160A BUT DESIGNED FOR USE WITH THE NAVY BACE SYSTEM (BASIC AUTOMATIC CHECKOUT EQUIPMENT). (MCDONNELL REPORT 7169)	5-13-60	(AED) E9226-019

MCDONNELL MODEL NUMBERS — 1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
160	C	COMMERCIAL	AUTOMATIC PROGRAMMING TOOL (APT SIMPLE)	SIMILAR TO THE MODEL 160A BUT NOT AS COMPLEX. REQUIRES MORE MANUAL PREPARATORY FUNCTIONS BY THE OPERATOR WHEN SETTING UP THE PROGRAMMING. (MCDONNELL REPORT 7169)	5-13-60	(AED) E9226-019
160	D	COMMERCIAL	AUTOMATIC PROGRAMMING TOOL (APT COMPLETE)	A MORE COMPLEX VERSION OF THE MODEL 160A. ALMOST THE ENTIRE PROGRAMMING PROCEDURE IS ACCOMPLISHED AUTOMATICALLY. (MCDONNELL REPORT 7169)	5-13-60	(AED) E9226-019
161	A	NASA	SPACE VEHICLE	ORBITING ASTRONOMICAL SPACE OBSERVATORY. SATELLITE SHALL PROVIDE A MINIMUM SPACE OF 150 CUBIC FEET FOR ASTRONOMICAL EXPERIMENTAL EQUIPMENT. ESTIMATED DESIGN GROSS WEIGHT IS 2562 POUNDS INCLUDING 1000 POUNDS OF EXPERIMENTAL EQUIPMENT. A LINE OF SIGHT COMMUNICATION RANGE OF 2500 NAUTICAL MILES WILL BE OBTAINABLE. PRIMARY POWER SOURCE WILL BE A SOLAR CONVERTER SYSTEM WITH A STORAGE BATTERY SYSTEM PROVIDING 15 ±1 VOLTS DC AT A MINIMUM OF 15 WATTS AVERAGE AND 30 WATTS PEAK. TELEMETRY MINITRACK, AND TV EQUIPMENT WILL BE CARRIED. ATLAS - AGENA B BOOSTER (MCDONNELL PROPOSAL 7551)	5-17-60	(MED) E9423-051
162	A	USAF	AIRPLANE	INTER CONTINENTAL BALLISTIC MISSILE INTERCEPTER. A MANNED AIRPLANE UTILIZING A TITAN BOOSTER TO PROVIDE MAXIMUM ALTITUDES IN MINIMUM TIME.	5-24-60	(AED) E9222-026
163	A	NAVY	SONAR PROJECT	DEEP-OCEAN SONAR SYSTEM CAPABLE OF OPERATION AT DEPTHS OF 10,000 FEET WITH A DETECTION RADIUS OF APPROXIMATELY 25 NAUTICAL MILES. PROPOSED FREQUENCY - 3 KC. PEAK ACOUSTIC POWER - 50 KW. PULSE LENGTH - 0.1 SEC. RELIABLE DETECTION RANGE - 40 KYD. MAXIMUM DETECTION RANGE - 60 KYD. GROSS WEIGHT IN AIR - 5,500 LB. POWER REQUIREMENT - 115V, 60 CPS. (MCDONNELL REPORTS 6989, 7263, 7547, 7771)	5-25-60	(MED) E9547-003

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
164	A	USAF (BMD)	REENTRY VEHICLE	SAMOS PROJECT, VERSION E-6A, CAPSULE WILL BE A MODIFICATION OF THE MODEL 122. ATLAS AGENA "B"	8-18-60	(MED) E9423-067
164	B	USAF (BMD)	REENTRY VEHICLE	SAMOS PROJECT, VERSION E-6B, CAPSULE WILL BE A MODIFICATION OF THE MODEL 133 (MERCURY), THREE, SOLID PROPELLANT RETROGRADE ROCKET MOTORS, THREE, SOLID PROPELLANT SEPARATION ROCKET MOTORS, FOUR, LIQUID PROPELLANT, ORBIT CORRECTION ENGINES. MINIMUM OF 9,000,000 SQUARE MILES GEOGRAPHICAL COVERAGE AREA. PROVISIONS FOR KODAK AND ITEK CAMERA SYSTEMS. TWO COMMAND RECEIVERS, TWO TELEMETRY TRANSMITTERS. ATLAS AGENA "B"	8-19-60	(AED) E9223-001
165	A	ARMY	AIRPLANE	GROUND EFFECT, TAKE-OFF AND LANDING (GETOL), WING AREA - 1,233 SQUARE FEET, LENGTH - 73 FEET, SPAN - 50.3 FEET, GROSS WEIGHT - 11,400 POUNDS, JET CURTAIN AREA - 707 SQUARE FEET, PERIPHERAL JET PLANFORM - CIRCULAR 2 TURBO SHAFT (MCDONNELL REPORT 7766)	8-29-60	E9222-053
165	B	ARMY	AIRPLANE.	(GETOL) GROUND EFFECT TAKE-OFF AND LANDING, WING AREA - 1,200 SQUARE FEET, LENGTH - 64.5 FEET, SPAN - 48 FEET, GROSS WEIGHT 11,000 POUNDS, JET CURTAIN AREA -830 SQUARE FEET. PERIPHERAL JET PLANFORM - 2.1 ELLIPSE 2 TURBO SHAFT (MCDONNELL REPORT 7766)	8-29-60	(ASED) E 9222-053
165	C	ARMY	AIRPLANE	(GETOL) GROUND EFFECT TAKE-OFF AND LANDING, WING AREA - 1,415 SQUARE FEET, LENGTH - 76 FEET, SPAN - 52.4 FEET, GROSS WEIGHT - 11,600 POUNDS, JET CURTAIN AREA - 11,600 SQUARE FEET, PERIPHERAL JET PLANFORM - TRAPEZOIDAL 2 TURBO SHAFT (MCDONNELL REPORT 7766)	8-29-60	(ASED) E9222-053

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
165	D	ARMY	AIRPLANE	(GETOL) GROUND EFFECT TAKE-OFF AND LANDING, WING AREA - 520 SQUARE FEET, LENGTH 54.7 FEET, SPAN - 36 FEET, GROSS WEIGHT - 9,800 POUNDS, JET CURTAIN AREA - 470 SQUARE FEET, PERIPHERAL JET PLANFORM - MODIFIED TRAPEZOIDAL 2 TURBO SHAFT (MCDONNELL REPORT 7766)	8-29-60	(ASED) E9222-053
165	E	ARMY	AIRPLANE	(GETOL) GROUND EFFECT TAKE-OFF AND LANDING, WING AREA-772 SQUARE FEET, LENGTH - 57 FEET, SPAN - 38 FEET, GROSS WEIGHT - 9,600 POUNDS JET CURTAIN AREA - 410 SQUARE FEET, PERIPHERAL JET PLANFORM - DELTA TRACTOR/PUSHER 2 TURBO SHAFT (MCDONNELL REPORT 7766)	8-29-60	(ASED) E9222-053
165	F	ARMY	AIRPLANE	(GETOL) GROUND EFFECT TAKE-OFF AND LANDING, TWO PLACE SIDE BY SIDE, DUAL CONTROL VEHICLE WHICH UTILIZES THE GROUND EFFECT PHENOMEMA IN LIEU OF CONVENTIONAL LANDING GEAR FOR SHORT FIELD OPERATION. WING AREA - 772 SQUARE FEET, LENGTH - 57 FEET, SPAN - 38 FEET, GROSS WEIGHT - 10,600 POUNDS, JET CURTAIN AREA - 410 SQUARE FEET, CONVENTIONAL PILOT CONTROLS, PERIPHERAL JET PLANFORM - DELTA TRACTOR/PUSHER (2) T64-GE-2 (MCDONNELL REPORT 7766)	8-29-60	(ASED) E9222-053
165	G	ARMY	AIRPLANE	(GETOL) GROUND EFFECT TAKE-OFF AND LANDING, WING AREA - 587.4 SQUARE FEET, LENGTH - 47.7 FEET, SPAN - 38.5 FEET, GROSS WEIGHT- 9,700 POUNDS, JET CURTAIN AREA - 506.2 SQUARE FEET, PERIPHERAL JET PLANFORM - MODIFIED ELLIPSE 2 TURBO SHAFT (MCDONNELL REPORT 7766)	8-29-60	(ASED) E9222-053

MCDONNELL MODEL NUMBERS 1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
165	H	ARMY	AIRPLANE	(GETOL) GROUND EFFFCT TAKE-OFF AND LANDING, WING AREA - 453 SQUARE FEET, LENGTH - 43 FEET, SPAN - 33 FEET, GROSS WEIGHT - 9,200 POUNDS JET CURTAIN AREA -369 SQUARE FEET, PERIPHERAL JET PLANFORM - MODIFIED ELLIPSE 2 TURBO SHAFT (MCDONNELL REPORT 7766)	9-1-60	(ASED) E9222-053
166	A	BMD	SPACE VEHICLE	SATELLITE INSPECTOR, CANCELLED 9-3-60 ATLAS D AGENA B (MCDONNELL REPORT 7789)	9-1-60	(SMSED) E9424-066
167	A	NASA	SPACE VEHICLE	APOLLO THREE-MAN SPACE CAPSULE, FIVE PROPOSED CONFIGURATIONS. CAPABLE OF 14-DAY LUNAR MISSION. MODULAR & INTEGRAL CONCEPT CONFIGURATION. SATURN (MCDONNELL REPORT 7804)	9-8-60	(SMSED) E9421-001
168	A	NOT DETERMINED	SPACE VEHICLE	DUAL CONFIGURATION VEHICLE (MULTIPLE CHOICE BOOSTER)	9-15-60	(SMSED) NOT ASSIGNED
169	A	All	VTOL TRANSPORT	QUADRAFOIL, TANDEM TILT WINGS. FOUR HAMILTON STANDARD VARIABLE CAMBER 6 BLADE PROPS. ENGINES LOCATED AT PROPS. RECTANGULAR WINGS.	12-12-60	(ASED) E9222-065
169	B	All	VTOL TRANSPORT	SAME AS 169A EXCEPT: TAPERED AFT WING TIPS, FORWARD WING SPAN REDUCED, COCKPIT MODIFIED	12-12-60	(ASED) E9222-065
169	C	All	VTOL TRANSPORT	SAME AS 169B EXCEPT ENGINES IN FUSELAGE.	12-12-60	(ASED) E9222-065
169	D	All	VTOL TRANSPORT	SAME AS 169B EXCEPT ENGINES FORE AND AFT 15°	12-12-60	(ASED) E9222-065
169	E	All	VTOL TRANSPORT	SAME AS 169D EXCEPT FORWARD WING CHORD SHORTNED AND AFT CHORD LENGTHENED.	12-12-60	(ASED) E9222-065
169	F	All	VTOL TRANSPORT	SAME AS 169E EXCEPT FOR TWIN TAILS.	12-12-60	(ASED) E9222-065

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
170	A	All	VTOL TRANSPORT	TILTABLE DUCTED SHAFT DRIVEN FANS FOUR DUCTED FANS: TWO FORWARD, LOW INBOARD. TWO AT WING TIPS. CONVENTIONAL WING AND TAIL PLANFORM. AIRLINE VERSION. WAS CALLED T-70A.	12-12-60	(ASED) E9222-065
170	B	All	VTOL TRANSPORT	TILTABLE DUCTED SHAFT DRIVEN FANS. FOUR DUCTED FANS: 8-1/2 FOOT DIAMETER. ABOVE AND BELOW TILT WING. CONVENTIONAL WING AND TAIL PLANFORM. MILITARY VERSION. WAS CALLED T-70 GLOBAL LOGISTIC AIRCRAFT.	12-12-60	(ASED) E9222-065
170	C	All	VTOL TRANSPORT	TILTABLE DUCTED SHAFT DRIVEN FANS. FOUR DUCTED FANS: 8-1/2 FOOT DIAMETER ABOVE AND BELOW TILTING CENTER WING PANEL, OUTER PANELS FIXED. WAS CALLED T-70 CORPORATE JET TRANSPORT.	12-12-60	(ASED) E9222-065
170	D	All	VTOL	TILTABLE DUCTED SHAFT DRIVEN FANS. TWO DUCTED FANS: 15 FOOT DIAMETER LOCATED AT WING TIPS. PROP BLADES ARE ON HORIZONTAL PLANE FOR STORAGE. PROPELLER BLOWN STABILATOR AND RUDDER.	12-12-60	(ASED) E9222-065
170	E	All	VTOL TRANSPORT	SAME AS 170D EXCEPT PROPS BLADES ARE ON VERTICAL PLANE FOR STORAGE.	12-12-60	(ASED) E9222-065
170	F	All	VTOL TRANSPORT	TILTABLE DUCTED SHAFT DRIVEN FANS. THREE DUCTED FANS: TWO AHEAD OF WING, ONE ON TAIL BOOMS.	12-12-60	(ASED) E9222-065
170	G	All	VTOL TRANSPORT	TILTABLE DUCTED SHAFT DRIVEN FANS. TWO DUCTED FANS: 14 FOOT DIAMETER LOCATED AT WING TIPS. WINGS AND FANS FOLD AFT. ENGINES IN PODS INBOARD OF DUCTED FANS.	12-12-60	(ASED) E9222-065
171	A	All	VTOL TRANSPORT	(RECLASSIFIED AS MODEL 173C)	12-12-60	(ASED) E9222-065
171	B	All	VTOL TRANSPORT	CONVENTIONAL PLANFORM TILT WING, 90° TILT WING. FOUR 17 FOOT DIAMETER PROPS. ONE 5 FOOT DIAMETER PITCH PROP. TWO 3 FOOT DIAMETER YAW PROPS.	12-12-60	(ASED) E9222-065

MCDONNELL MODEL NUMBERS 1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
171	C	All	VTOL TRANSPORT	SAME AS 171B EXCEPT WING FOLD CONFIGURATION AND SMALL PITCH AND YAW PROPS AFT ARE REPLACED BY TWO 10 FOOT MOVABLE PITCH AND YAW PROPS AFT.	12-12-60	(ASED) E9222-065
171	D	All	VTOL TRANSPORT	SAME AS 171C EXCEPT TWO 10 FOOT PITCH AND YAW PROPS REMOVED AND REPLACED WITH DUCTED TAIL PITCH CONTROL PROP.	12-12-60	(ASED) E9222-065
172	A	All	VTOL TRANSPORT	TILTABLE DUCTED PERIPHERAL TURBINE DRIVEN FANS. FOUR TILTABLE, DUCTED TIP-TURBINE DRIVEN, 90" DIAMETER FANS AT WING-TIPS, FIXED QUADRAFOIL WING LAYOUT FOLDS TO 27' X 60'.	12-29-60	(ASED) E9222-064
172	B	All	VTOL TRANSPORT	FOUR TILTABLE, DUCTED, TIP TURBINE FANS, 90" DIAMETER, MOUNTED DIRECTLY TO FUSELAGE. TWO FORWARD AND TWO AFT OF AIR-PLANE CG. CONVENTIONAL WINGS WITH "VEE" TAIL. FOLDS TO 25' X 60' (4 ENGINES IN FUSELAGE).	12-29-60	(ASED) E9222-064
172	C	All	VTOL TRANSPORT	TWO 100" DIAMETER TIP TURBINE DRIVEN DUCTED FANS MOUNTED ON CENTER SECTION OF TILT WING. TAB CONTROLLED, FLOATING OUTER WING PANEL. CONVENTIONAL WING-TAIL PLANFORM LAYOUT, HOVERING CONTROL BY AUX-ILLIARY WING TIP AND AFT FUSELAGE JETS.	12-29-60	(ASED) E9222-064
172	D	All	VTOL TRANSPORT	TWO 100" DIAMETER TIP TURBINE DRIVEN DUCTED FANS MOUNTED NEAR AIRPLANE CG. CANARD PLANFORM.	12-29-60	(ASED) E9222-064
173	A	All	VTOL TRANSPORT	DEFLECTED SLIPSTREAM, CONVENTIONAL WING TILTED, SINGLE PITCH AND YAW FLAP AFT.	12-29-60	(ASED) E9222-064
173	B	All	VTOL TRANSPORT	SAME AS 173A EXCEPT PITCH AND YAW PROP CONFIGURATION REMOVED, REPLACED WITH DUCTED TAIL PITCH CONTROL PROP.	12-29-60	(ASED) E9222-064
173	C	All	VTOL TRANSPORT	45° TILT WING (4) 17' DIA. PROPS, FOWLER FLAPS, WING OUTER PANEL FOLDS FORWARD AND DOWN (WAS MODEL 171A)	12-29-60	(ASED) E9222-064
174	A	All	VTOL TRANSPORT	TILT WING, DEFLECTED FLAP, QUADRAFOIL.	1-20-61	(ASED) E9222-068

MCDONNELL MODEL NUMBERS 1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
175	A	TRI-SERVICE BUWEPS RFP, 1-27-61	VTOL TRANSPORT	MCDONNELL AND CANADAIR LIMITED. ALL-WEATHER TRANSPORT A/C CAPABLE OF VERTICAL AND/OR SHORT TAKE OFF & LANDING (VTOL-STOL) AND CONVENTIONAL A/P FLIGHT. A/C SHALL BE CAPABLE OF TAKING OFF & LANDING FROM UNPREPARED FIELDS OF BARE SOIL. CARRIER BASED, PROPELLER DRIVEN, TILT-WING DEFLECTED SLIP STREAM CONFIGURATION FOR TRANSPORTING TROOPS AND/OR CARGO. CREW: THREE - PILOT, CO-PILOT, CREW CHIEF, TRROPS: 32 COMBAT - EQUIPPED, TWO FOUR-BLADED PROPELLERS, DIAMETER 21.0 FT. ONE FOUR-BLADED, TAIL ROTOR, DIAMETER 9.0 FT. WING SPAN- MAXIMUM 47.2 FT. WING SPAN - FOLDED 26.0 FT. FOLDING WINGS, FOLDING TAIL UNIT TO MEET DIMENSIONAL REQUIREMENTS FOR STOWAGE ABOARD AIRCRAFT CARRIER. DUAL POWER CONTROL SYSTEM PROVIDED. EMERGENCY FLOTATION PROVIDED IN EVENT OF WATER LANDING. REAR LOADING OF WHEELED VEHICLES & PALLET LOADS WITH A/C IN FLIGHT OPERATING CONFIGURATION. LENGTH - STATIC GROUNDLINE LEVEL MAXIMUM 66.5 FT. LENGTH - STATIC GROUNDLINE, TAIL FOLDED 50.0 FT. FOUR T64-GE-A TURBO SHAFT (MCDONNELL REPORTS 8069, 8082)	2-8-61	(ASED) E9325-026
176	-	USAF	REENTRY VEHICLE	WINGED - AEROBALLISTIC REENTRY VEHICLE DUAL CONFIGURATION BODY LIFT VEHICLE. (MCDONNELL REPORT E620) POSSIBLE TURBO-JET ENGINE	4-17-61	(SMSED) E9423-073
176	A	USAF	REENTRY VEHICLE	THE MODEL 176 IS A HIGH PERFORMANCE, MANEUVERALBE SPACECRAFT WHICH IS ADAPTABLE TO A WIDE VARIETY OF MILITARY SPACE MISSIONS FOR THE FOLLOWING REASONS: (a) CAPABILITY FOR ACHIEVING ECONOMICAL BOOST INTO ORBIT. (b) AERODYNAMIC PERFORMANCE. (c) MANEUVERABILITY: CAPABLE OF EFFICIENT AEORDYNAMIC TURNS AT ORBITAL SPEED, PERMITTING LARGE ORBITAL PLANE CHANGES. A ROTATABLE WING IS STOWED ON THE UPPER SURFACE DURING LAUNCH, ORBITAL, FLIGHT AND REENTRY. OBJECTIVE: MAXIMUM MILITARY UTILITY REQUIREMENTS: MISSION CAPABILITY AND MISSION FLEXIBILITY PROPULSION CAPABILITY, ACHIEVE ECONOMICAL BOOST, MANEUVER IN ORBITAL GLIDE, CONVENTIONAL LANDING REUSABILITY. POTENTIAL MISSION: TRAINING, ORBITAL LOGISTIC SUPPORT, SATELLITE INSPECTION AND DESTRUCT, RECONNAISSANCE, ORBITAL GLIDE, RECON-STRIKE.	7-15-63	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
176	A	(CONTINUED)		PROPULSION: TWO ROCKET ENGINES (A BOOST ROCKET ENGINE AND A MANEUVER ROCKET ENGINE): A TURBO-JET ENGINE FOR SUBSONIC CRUISE IS OPTIONAL. NOMINAL LANDING WEIGHT: 14,500 LB. 2 ROCKET ENGINES (BOOST AND MANEUVER) (MCDONNELL REPORT 8618)		
176	B	USAF	REENTRY VEHICLE	THE BASIC CONCEPT IS THE SAME AS 176A EXCEPT THE NOMINAL LANDING WEIGHT IS 26,000 LBS. (MCDONNELL REPORT 8618)	7-15-63	
176	C	USAF	REENTRY VEHICLE	THE BASIC CONCEPT IS SAME AS 176A EXCEPT THE NOMINAL LANDING WEIGHT IS 45,000 LBS. (MCDONNELL REPORT 8618)	7-15-63	
176	D	USAF	REENTRY VEHICLE	THE BASIC CONCEPT IS THE SAME AS 176A EXCEPT THE NOMINAL LANDING WEIGHT IS 99,000 LBS. (MCDONNELL REPORT 8618)	7-15-63	
177	A	TRI SERVICE	CONVERTI-PLANE	COMPOUND HELICOPTER TRANSPORT AIRCRAFT, MODIFICATION OF MODEL 113F GROSS WEIGHT INCREASED AND EQUIPMENT MODIFIED TO CONFORM WITH TS-152. THREE FLIGHT REGIMES: HELICOPTER, AUTOGYRO, AIRPLANE. CREW: THREE - PILOT AND CO-PILOT, SIDE BY SIDE. CREW CHIEF IN DOORWAY BETWEEN PILOT AND CO-PILOT. CARGO SPACE SUFFICEINT FOR 32 TROOPS. DONUT TYPE FLOOR SEATING FOR GREATEST SAFETY AND LOWEST WEIGHT. PRESSURE JET ROTOR FOR LIFT, PROPULSION AND CONTROL IN HELICOPTER (LOW-SPEED) FLIGHT. WING, PROPELLERS AND TAIL SURFACE FOR LIFT, PROPULSION AND CONTROL IN AIRPLANE (HIGH-SPEED) FLIGHT. LOAD COMPRESSOR WHICH SUPPLIES COMPRESSED AIR TO ROTOR TIP JETS IN HELICOPTER FLIGHT. HOVERING TIME = 10 MINUTES FOR 100 NAUTICAL MILE RADIUS (MISSION I) 5 MINUTES FOR 200 NAUTICAL MILE RADIUS (MISSION II) ALL HOVER AND LOW SPEED MANEUVERS COMPARABLE TO CONVENTIONAL HELICOPTER. OUTER PORTION OF WINGS FOLDED DOWN DURING HOVERING AND LOW SPEED FLIGHT.	2-14-61	E9325-026

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
177	A	(CONTINUED)		SECOND WING FOLD LOCATED OUTBOARD OF ENGINE NACELLES. WING FOLDING WITH ROTOR FOLDING SATISFY CARRIER REQUIREMENT FOR MAXIMUM FOLDED WIDTH OF 30 FEET. LANDING GEAR IS COMPLETELY RETRACTABLE AND OF CONVENTIONAL, TRICYCLE CONFIGURATION. WINCH FOR RESCUE, LOADING AND UNLOADING OF CARGO AND REMOVAL AND REPLACEMENT OF MAJOR COMPONENTS IN THE FIELD AND WITHOUT ASSISTANCE OF GROUND EQUIPMENT. TWO T-60-GE-6 (MCDONNELL REPORT 8125)		

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
178	A	NASA	SPACE VEHICLE	PROSPECTOR LUNAR LANDING VEHICLE. SATURN C-II	2-16-61	E9423-073
179	A	ARMY ARGMA RFQ MI-61	INTERCEPT MISSILE	ARPAT: INTERCEPT MISSILE FOR ARMY (ANTI ICBM). MCDONNELL RESPONSIBILITY IS THE DESIGN AND PRODUCTION OF THE EAI - EXPERIMENTAL ARPAT INTERCEPTOR. CONE-CYLINDER CONFIGURATION WITH A BI-PROPELLANT LIQUID SUSTAINER SECOND STAGE. TERMINAL STAGE WITH MANEUVER ACCELERATION IS PROVIDED BY 4 UNCOOLED ROCKET ENGINES. ATTITUDE CONTROL IS IMPLEMENTED BY COLD GAS REACTION JETS IN THE TERMINAL STAGE SUPPLEMENTED BY FIXED STABILIZING FINS ON BOTH THE TERMINAL AND BOOSTER STAGES. THE EAI CARRIES GUIDANCE AND CONTROL ELECTRONICS, RANGE INSTRUMENTATION INCLUDING TELEMETRY FOR GUIDANCE AND OTHER VEHICLE FUNCTIONS, WITH A FLARE TO AUGMENT OPTICAL TRACKING. RTV LAUNCHER (W.E.C. REPORT 27-R377A559-61)	3-1-61	E9423-075
180	-	ARMY	PITOT-STATIC PRESSURE SIMULATOR ALSO KNOWN AS: PSM 15 MDE 32600	MAST-R-CHECK IS AN ADVANCED PITOT-STATIC PRESSURE TEST UNIT. SINGLE UNIT CONVENIENTLY HANDLED BY ONE MAN. UNIT CONTAINS PRESSURE - VACUUM PUMP, INDICATORS, REGULATORS, VALVES, SAFETY CONTROL CIRCUITS ETC., TOGETHER WITH STORAGE SPACE FOR HOSES, CABLES AND ACCESSORIES. MAY BE USED FOR FIELD, HANGAR, RAMP OR LABORATORY TESTING. SIZE: 19" X 20" X 18". CASE: WATERPROOF HIGH IMPACT FIBERGLASS. (MCDONNELL REPORT 8096)	4-3-61	E9226-051
181		NASA	SPACE VEHICLE	THE THREE-MAN APOLLO SPACE VEHICLE CONSISTING OF A COMMAND MODULE, SERVICE MODULE AND AN ADAPTER WITH SPACE LABORATORY OPTIONAL. ALSO, HAS A LUNAR LANDING MODULE FOR PHASE C. THE COMMAND MODULE WILL BE THE CREW QUARTERS AND SHALL CONTAIN THE COMMUNICATION, NAVIGATION, GUIDANCE CONTROL, COMPUTING AND DISPLAY EQUIPMENT. ALSO, ANY OTHER EQUIPMENT NEEDED FOR NOMINAL AND/OR EMERGENCY LANDING PHASES. THE SERVICE MODULE SHALL CONTAIN STORES AND SYSTEMS WHICH DO NOT REQUIRE CREW MAINTENANCE OR DIRECT OPERATION. WILL ALSO CONTAIN PROPULSION SYSTEM FOR RETURN FROM THE LUNAR SURFACE. IT IS EXPECTED THAT THE SERVICE MODULE WILL BE	6-28-61	E9221-013

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
181		(CONTINUED)		JETTISONED PRIOR TO REENTRY. THE SPACE LABORATORY MODULE IS A NONRECOVERABLE MODULE IN WHICH VARIOUS SPECIAL TESTS MAY BE PERFORMED. PHASE A - EARTH ORBIT USING SATURN C-1 PHASE B - CIRCUMLUNAR OR LUNAR ORBIT USING SATURN C-3 PHASE C - LUNAR LANDING USING NOVA OR SATURN C-3 WITH RENDEZVOUS TECHNIQUES		
182		COMPANY REQUEST FOR POSSIBLE SALE TO USAF	AIRPLANE	SPIN JET TEST BED. TEMCO TT-1. INSTALLATION OF A MCDONNELL SPIN JET ON A TEMCO TT-1 AIRPLANE - MCDONNELL SPIN JET - A NEW AERODYNAMIC ENERGY CONVERSION JET PROPULSION SYSTEM FOR USE ON PURE JET TRANSPORTS, V/STOL AIRCRAFT, HELICOPTERS AND MISSILES. USES TEMCO ENGINE	8-10-61	E9325-018
183		COMPANY REQUEST FOR POSSIBLE SALE TO USAF		VTOL - SPIN JET TEST. BED - TEMCO TT-1. REWORK OF TEMCO TT-1 AIRPLANE TO A MCDONNELL VTOL SPIN JET INSTALLATION. REMOVE TEMCO WING AND PUT IN OUR OWN. PWJT-12	8-10-61	E9325-018
184		NAVY	RESEARCH REFRACTORY METALS	REFRACTORY METALS TASK NO. 2. EVALUATION OF MOLYBDENUM SHEET AND STRUCTURAL COMPONENT - HIGH TEMPERATURE STRUCTURES. 1. EVALUATE QUALITY AND UNIFORMITY OF HIGH STRENGTH MOLYBDENUM ALLOY SHEET (TWO ALLOYS: Mo, 0.5% Ti AND Mo, 0.5% Ti, 0.10% Zr) 2. EVALUATE FABRICATION CHARACTERISTICS OF HIGH STRENGTH MOLYBDENUM SHEET (TWO ALLOYS: Mo, 0.5% Ti AND Mo, 0.5% Ti, 0.10% Zr) 3. DESIGN, FABRICATE AND TEST TYPICAL AEROSPACE STRUCTURAL ELEMENTS FROM HIGH STRENGTH MOLYBDENUM SHEETS (TWO ALLOYS: Mo, 0.5% Ti AND Mo, 0.5% Ti, 0.10% Zr) 4. DESIGN, FABRICATE, AND TEST A COMPONENT OF HIGH STRENGTH MOLYBDENUM ALLOY SHEET, CONSISTING OF A RUDDER SIMILAR TO THAT DESCRIBED IN MCDONNELL REPORT 8240. NONE	8-14-61	336-02

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
185		USAF	STUDY OF MAGNETO HYDRODYNAMIC WAVES	INVESTIGATION AND EXPERIMENTATION OF MHD WAVES. MCDONNELL REPORT 7754	1-8-62	354
186		LOCK-HEED		PRINT-OUT UNIT FOR AN/GSQ-63 TAPE PROCESSOR, PROGRAMMER. MCDONNELL REPORT 8562	C. F. PICARD	834 ITEM 21
187		MILITARY & NATO		HELIJET VTOL AIRCRAFT COMBAT TYPE-INTERCEPTOR AND GROUND ATTACK 20-40000 LBS. ONE OR TWO MAN CREW VARIABLE SWEEP AND TILT WING. MISSION: VAX & NATO FIGHTER.. COMB-TURBO-JET TURBO-FAN MULTIENGINES	2-6-62 V. ZIMMERMAN	E9222-076
188		ARMY	STOL TRANSPORT	STOL TACTICAL TRANSPORT. 3 CREW MEMBERS - PILOT, COPILOT, AND CREW CHIEF. PRIMARY MISSION - LAND TROOPS. SUPPLIES AND EQUIPMENT IN TACTICAL SITUATIONS UNDER NIGHT AND ALL WEATHER CONDITIONS SECONDARY MISSION - CAPABLE OF AERO MEDICAL EVACUATION AND AERIAL DELIVERY OF PARATROOPS, SUPPLIES, AND EQUIPMENT. CAPABLE OF SHORT FIELD TAKE-OFF LANDING. PROPELLERS - 4 - 14.75 FT. HAMILTON STANDARD. LENGTH - 73'11". WING AREA - 889 SQ. FT. FUEL CAPACITY - 2190 GALS. PROVISIONS FOR 24 LITTERS AND 8 SEATS FOR AEROMEDICAL EVACUATION. TROOP SEAT INSTALLATION: 32 PARATROOPS or 38 COMBAT TROOPS WITH AN ALTERNATE ARRANGEMENT FOR 55 COMBAT TROOPS.	5-5-62 H. COLE	ESA9222-082
188	A Commonly referred to as 188 Comm. version	COMM.	STOL TRANSPORT	COMMERCIAL STOL TRANSPORT FOR MEDIUM & SHORT HAUL ROUTES. 55 PASSENGERS 5 ABREAST. CREW OF 2, DESIGN GROSS WEIGHT 58,000 LBS. FOUR ENGINES T64-GE-16..WING MOUNTED.	11-22-67	E6612-279
188	B	ARMY	STOL TRANSPORT	STOL TACTICAL TRANSPORT BASIC MODEL 188. EMPTY WT. 27,200 LBS. INTERNAL FUEL 2189 GAL. MAX. GROSS WT. 55,750 LBS. FOUR G.E. T-58 TURBO SHAFT. MCDONNELL REPORT 8919		

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
188	C	ARMY	STOL TRANSPORT	STOL TACTICAL TRANSPORT. SAME AS BASIC 188 WITH FOLLOWING CHANGES: EMPTY WT. 27,500 LBS. INTERNAL FUEL 2189 GAL. MAX. GROSS WT. 53,000 LBS. FOUR CONTINENTAL CORP. MODEL 261-5 (MCDONNELL REPORT 8919.		
188	D	ARMY	STOL TRANSPORT	BASIC MODEL 188 WITH THE FOLLOWING CHANGES: STRONGER LANDING GEAR, INCREASED MAX. PAYLOAD, WIDER CARGO COMPARTMENT. FOUR CONTINENTAL CORP. MODEL 261-5 MCDONNELL REPORT 9129		
188	E	USAF	STOL TRANSPORT	STOL ASSAULT TRANSPORT. BASIC MODEL 188 WITH FOLLOWING CHANGES: PROVISIONS FOR 24 LITTERS AND 8 SEATS FOR AEROMEDICAL EVACUATION. TROOP SEAT INSTALLATIONS: 36 PARATROOPS OR 42 COMBAT TROOPS WITH AN ALTERNATE ARRANGEMENT FOR 55 COMBAT TROOPS. WING AREA 897 SQ. FT. LENGTH - 77'2". FUEL CAPACITY-(INTERNAL) 2642 GALS. FOUR CONTINENTAL CORP. MODEL 261-5 OR G. E. T58-GE-10 (MCDONNELL REPORTS B249, B682, E262)	5-27-63	
188	F	MILITARY	STOL TRANSPORT	STOL ASSAULT TRANSPORT. BASIC MODEL 188 WITH FOLLOWING CHANGES: PROVISIONS FOR 24 LITTERS & 8 SEATS FOR AEROMEDICAL EVACUATION. TROOP SEAT INSTALLATIONS: 36 PARATROOPS OR 42 COMBAT TROOPS WITH AN ALTERNATE ARRANGEMENT FOR 55 COMBAT TROOPS. WING AREA 897 SQ. FT LENGTH - 77'2". FUEL CAPACITY - (INTERNAL) 2642 GALS. FOUR CONTINENTAL CORP. MODEL 188E WITH T58-GE-1800 HORSEPOWER ENGINES.		
188	G	MILITARY	STOL TRANSPORT	STOL ASSAULT TRANSPORT. BASIC MODEL 188 WITH FOLLOWING CHANGES: PROVISIONS FOR 24 LITTERS & 8 SEATS FOR AEROMEDICAL EVACUATION. TROOP SEAT INSTALLATIONS: 36 PARATROOPS OR 42 COMBAT TROOPS WITH AN ALTERNATE ARRANGEMENT FOR 55 COMBAT TROOPS. WING AREA 897 SQ. FT. LENGTH - 77'2". FUEL CAPACITY - (INTERNAL) 2642 GALS. FOUR CONTINENTAL CORP. MODEL 188 E WITH T58-GE-2000 HORSEPOWER ENGINES.	5-27-63	
188	H	MILITARY	STOL TRANSPORT	STOL TRANSPORT FOR VARIOUS MILITARY MISSIONS. CREW OF 3, TROOP CARRYING OUR CARGO CAPACITY. DESIGN. GROSS WEIGHT 70 TO 72,000 LBS. FOUR T64-GE-16 ENGINES. WING MOUNTED	5-27-63	E6610-239

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
189		ARMY	ANTITANK WEAPON	MEDIUM ANTITANK/ASSAULT WEAPON. (MCDONNELL REPORT 9724) AND (MCDONNELL REPORTS B955, E036,E408, E505, AND E524)	9-5-63	E6610-135
190						
191				MULTIPURPOSE STRATEGIC RECONNAISSANCE AIRCRAFT (MCDONNELL REPORT 9603) AEA-24	2-23-63	E6610-210
191	A			SAME AS ABOVE (MCDONNELL REPORT 9603)	2-23-63	E6610-210
192				ASSIGNED TO DEPARTMENT 301. (MCDONNELL REPORT A287)	1-22-64	E6610-201
193			V/STOL FIGHTER	MCDONNELL REPORTS B646, B642, B685		
194		ILAAS		MCDONNELL REPORT 9800 FY '65	5-25-64	
194 FY'63	A	ILAAS				
195			MANNED ORBITING LABORATORY SYSTEM MOL	1. 30-DAY ORBIT DURATION 2. 2-MAN CREW 3. INTEGRAL LAUNCH- LAUNCHED BY TITAN IIIC 4. SHIRT SLEEVE ENVIRONMENT 5. LARGE TEST AND EXPERIMENTAL CAPACITY TO BE PROVIDED BY THE LABORATORY VEHICLE. 6. PROVISIONS FOR RENDEZVOUS, DOCKING AND TRANSFER. 7. LOW ALTITUDE EARTH ORBIT, 100-250 NM MCDONNELL REPORTS A651 AND 863		
195	A		MOL LAB	MCDONNELL REPORTS B761,B834		

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
195	B		GEMINI "B" SPACECRAFT			
195	HSQ				9-2-65	D.KELLEY
196		USN	NAVY ADVANCED TRAINER	ADVANCED TRAINING; FINAL TRAINER PRIOR TO OPERATIONAL AND PLANNED JET FLEET AIRCRAFT. TWO PLACE, TANDEM SLATING, TURBOJET OR TURBO-FAN PROPULSION, CARRIER SUITABLE (ESSEX CLASS). AT LEAST FOUR STORE STATIONS, UHF, DF AND TACAN - CNI EQUIPMENT, SIMPLIFIED AIR TO AIR F.C.S. AT LEAST FOUR STORE STATIONS, CAPABILITY TO TRAIN WITH STOCK PILED H. E. ORDNANCE, TRAINING TYPE H. E. ORDNANCE, AND 20 MM GUN POD. (MCDONNELL REPORTS E 428, E 429) AEA-61	9-9-64 E.M. FLESH	E6610-250
197		LOCK HEED		SATELLITE RECOVERY VEHICLE.	4-13-65 BLACKBURN PER C MARKS 99% CHANCE OF GETTING CONTRACT	
198		NASA	M-2	MINIMUM MANNED LIFTING ENTRY VEHICLE M-2 - STUDY CONTRACT.	4-29-65 JOHN BLACKBURN	
199		USAF	LA/ASF	LIGHT ATTACK - AIR (FX) SUPERIORITY FIGHTER, LOW ALTITUDE ATTACK, RESPECTABLE AIR-TO-AIR CAPABILITY. (MCDONNELL REPORT E563) AEA-83	5-7-65 L.P. BRADLEY	E6610-250-281
200	A	NASA	ONE ROOM SPACE STATION	ONE ROOM SPACE STATION - THE STATION CONTAINS A ONE-MAN SLEEPING COMPARTMENT, A HYGIENIC COMPARTMENT, FOOD PREPARATION AND STORAGE AREA, PAYLOAD STORAGE VOLUME. CLEAR FLOOR AREA IS ABOUT 36 SQ. FT. WITH 7 FT. OF HEAD CLEARANCE. MISSION TIME - 30-45-OR 60 DAYS. GROSS WEIGHT AT LAUNCH - 7498 LBS. GLV. (MCDONNELL REPORT 9272)	12-31-62	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
200	B	NASA	SUPPLY MODULE	THE SUPPLY STATION IS LAUNCHED UNMANNED INTO AN ELLIPTICAL ORBIT (87-200 NAUTICAL MILES); AFTER RENDEZVOUS WITH A GEMINI TRANSPORT THE STATION-TRANSPORT COMBINATION IS INJECTED INTO A 200 MILE CIRCULAR ORBIT USING A STATION-MOUNTED PROPULSION SYSTEM. THE STATION IS USED AS A SUPPLY MODULE BY ADDING CARGO STOWAGE, THE DOWN FACILITIES AND PROVIDING OR DOCKING COMMAND STATION. A TUNNEL SECTION AND DOCKING RING AND VIEWING PORT ARE ADDED IN THE AFT END TO MATE WITH THE ORBITING STATION. THE STATION-MOUNTED PROPULSION SYSTEM IS SUPPLIED WITH AN INCREASED PROPELLANT QUANTITY TO PROVIDE FOR (A) INJECTION OF THE COMBINED SUPPLY MODULE-TRANSPORT INTO A 200 NAUTICAL MILE CIRCULAR ORBIT, (B) RENDEZVOUS AND DOCKING TO AN ORBITING STATION. GROSS WEIGHT AT LAUNCH - 7498 LBS. GLV (MCDONNELL REPORT 9272)	12-31-62	
200	C	NASA	TWO ROOM STATION	THIS MODULE HAS SUFFICIENT ROOM TO HOUSE A FOUR-MAN CREW. MAY BE LAUNCHED SINGLY ON THE GLV OR AS PART OF THE FOUR-MAN STATION ON THE SLV 62A-C. THE UPPER ROOM CONTAINS SLEEPING AREA, HYGIENIC COMPARTMENT, FOOD STORAGE AND PREPARATION AREA. GENERAL LIVING SPACE, AND RECREATIONAL FACILITIES. THE LOWER ROOM IS A LABORATORY WITH STORAGE AND SET-UP FACILITIES. THIS ROOM ALSO HOUSES DOCKING AND MOVING TUNNELS, HATCHES, AND EQUIPMENT AND FACILITIES NECESSARY TO CHECK-OUT AND MAINTAIN A MOORED GEMINI TRANSPORT FOR LONG STAY TIMES. GROSS WEIGHT AT LAUNCH - 7498 LBS. GLV (MCDONNELL REPORT 9272)	12-31-62	
200	D	NASA	ELECTRICAL POWER MODULE	THE ELECTRICAL POWER MODULE IS BASICALLY AN EMPTY TWO-ROOM STATION CARRYING A 3KW SOLAR ARRAY. IT CAN BE LAUNCHED ON A GLV AS A SINGLE UNIT OR ON SLV 62A-C AS A PORTION OF THE FOUR-ROOM STATION. THE COMPLETE ELECTRICAL SYSTEM (STORAGE, CONVERSION, AND TRANSMISSION) IS CONTAINED IN ONE OF THE MODULE COMPARTMENTS AND THE REMAINDER OF THE MODULE IS OUTFITTED AND UTILIZED AS ADDITIONAL LABORATORY OR LIVING SPACE. A DOCKING RING, CREW DOCKING STATION WITH VIEWING PORT AND TRANSIT TUNNEL ARE LOCATED ON THE POWER MODULES TO ACCOMPLISH RENDEZVOUS AND DOCKING OF THE POWER MODULE AND TRANSPORT SPACECRAFT WITH THE SPACE STATION. GROSS WEIGHT AT LAUNCH - 7885 LBS. GLV MCDONNELL REPORT 9272	12-31-62	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
200	E	NASA	FOUR ROOM STATION	THE FOUR ROOM STATION AND A MANNED GEMINI TRANSPORT ARE LAUNCHED AS A UNIT BY THE SLV 62A-C LAUNCH VEHICLE. THE STATION IS A MODIFIED TWO-ROOM STATION CONNECTED TO AN ELECTRICAL POWER MODULE. THE UPPER ROOM OF THE POWER MODULE IS THE SLEEPING COMPARTMENT WITH PROVISIONS FOR PERSONAL GEAR AND CLOTHING STORAGE. THE LOWER ROOM PROVIDES LABORATORY SPACE FOR EXPERIMENTAL GEAR STOWAGE AND SET-UP. THE UPPER ROOM OF THE TWO-ROOM STATION PROVIDES CREW LIVING QUARTERS-FOOD PREPARATION, DINING, CREW HYGIENIC COMPARTMENT AND RECREATIONAL FACILITIES. THE LOWER ROOM IS USED FOR DOCKING AND STORAGE. GROSS WEIGHT AT LAUNCH - 25,667 LBS. SLV 62A-C LAUNCH VEHICLE (MCDONNELL REPORT 9272)	12-31-62	
200	F	NASA	SUPPLY TRANSPORT	THIS SPACECRAFT CONSISTS OF A GEMINI TRANSPORT POSITIONED ON TOP OF THE SUPPLY MODULE WITH THE DOCKING RING AND FORKS ATTACHED A STRUCTURAL ADAPTER IS ADDED BETWEEN THE TWO MODULES TO CARRY LAUNCH LOADS. THE MANEUVERING PROPELLANT IN THE GEMINI TRANSPORT MANEUVERING SYSTEM IS REDUCED SINCE IT IS NECESSARY ONLY TO PROVIDE ATTITUDE CONTROL DURING ORBIT RETROGRADE PRIOR TO REENTRY WITH THE TRANSPORT LAUNCH, RENDEZVOUS, AND DOCKING ATTITUDE CONTROL PROPELLANT AND RENDEZVOUS MANEUVERING PROPELLANT ARE CARRIED IN THE SUPPLY MODULE. GROSS WEIGHT AT LAUNCH - 26,000 LBS. SLV 62A-C (MCDONNELL REPORT 9272)	12-31-62	
201		NAVY	VS(X)	(ASW) ANTISUBMARINE WARFARE, FOUR MAN CREWS, CARRIER SUITABILITY TWIN TURBOFAN POWERPLANTS, HIGHLY INTEGRATED AVIONICS, HIGH RELIABILITY AND LOW MAINTENANCE, COMFORTABLE, EFFICIENT CREW ACCOMMODATIONS, "FLYING LAB" FOR LOCATING ENEMY SUBS.	7-12-65 L. P. BRADLEY	
202			SRAM (SHORT RANGE ATTACK MISSILE)		7-12-65 FLOWERS	
203		AEP		MCDONNELL REPORT E255	12-14-65 F. J. SANDERS	

MCDONNELL MODEL NUMBERS 1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
204			PROGRAM 612	CLASSIFIED (MCDONNELL REPORT E733, E785)	7-13-66 F.SANDERS	
204	A		612RV		12-21-66 R.GILLOOLY	
205			(AMFV) ADVANCED MOL FERRY VEHICLE	ADVANCED MULTIMISSION SPACECRAFT	7-18-66 C. MARKS	E6610-104
206		USAF	AX AIRCRAFT	A-X SPECIALIZED CLOSE SUPPORT AIRCRAFT	1-25-67 L. SMITH	
207		NASA	VOYAGER	VOYAGER FLIGHT CAPSULE, (MCDONNELL REPORT E191,E422,E442,E456)	3-10-67	E6612-103
207	A	NASA	VIKING	VIKING PROGRAM	A.BRUBAKER	
208			BIG G	LOGISTIC VEHICLE HAVING THE CAPABILITY OF TRANSPORTING PEOPLE AND CARGO TO A SPACE STATION AND REMAINING THERE A MINIMUM OF NINETY DAYS - SHOULD BE OPERATIONAL IN 1970 TO SUPPORT THE SAA PROGRAM.	1-15-69 5-22-67 R.GILLOOLY	
209		CARA		CARA AIRCRAFT IS A FIVE PLACE COMBAT AIRCREW RECOVERY AIRCRAFT - GEI/JI(J97) ENGINE. VERTICAL LIFT IS SUPPLIED BY A MECHANICALLY DRIVEN LIFT FAN SYSTEM. FLY AT SPEEDS UP TO .95 MACH NUMBER AT ALTITUDE 500 KNOTS AT SEA LEVEL.	5-22-67 H.COLE	
210	A	COMM.	TRANSPORT AIRCRAFT	STOL TRANSPORT AIRCRAFT, CREW OF 2, 90 PASSENGER, 6 ABREAST. DESIGN. GROSS WEIGHT 67,500 LBS. FOUR ENGINES T64-GE-16 WING MOUNTED	4-22-66	E6610-267
210	B	COMM.	TRANSPORT AIRCRAFT	STOL TRANSPORT AIRCRAFT, CREW OF 2, 90 PASSENGER, 6 ABREAST, DESIGN. GROSS WEIGHT 69,000 LBS. FOUR ENGINES T64-GE-16 WING MOUNTED		
210	C	COMM.	TRANSPORT AIRCRAFT	STOL TRANSPORT AIRCRAFT, CREW OF 2, 90 PASSENGER, 5 ABREAST, DESIGN GROSS WEIGHT 69,000 LBS. FOUR ENGINE T64-GE-16 WING MOUNTED.		
210	D	COMM.	TRANSPORT AIRCRAFT	STOL TRANSPORT AIRCRAFT, CREW OF 2, 87 PASSENGERS, 6 ABREAST WITH QUICK CHANGE CARGO CAPACITY OF 8 FT BY 8 FT BY 40 FT. DESIGN GROSS WEIGHT 79,000 LBS. FOUR ENGINE T64-GE-16 WING MOUNTED		

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
210	E	COMM.	TRANSPORT AIRCRAFT	STOL TRANSPORT, CREW OF 2, 90 PASSENGER, 6 ABREAST. DESIGN. GROSS WEIGHT 71,000 LBS. FOUR ENGINES T64-GE-16 WING MOUNTED. (MCDONNELL REPORT F-697)	6-27-67	E6612-279
210	F	COMM.	TRANSPORT AIRCRAFT	STOL TRANSPORT AIRCRAFT, CREW OF 2, 60 PASSENGERS, 5 ABREAST, DESIGN. GROSS WEIGHT 59,500 LBS. FOUR ENGINE TURBO MECCA TURMO III B-3.	6-27-67	E6612-279
210	G	COMM.	TRANSPORT AIRCRAFT	STOL TRANSPORT, CREW OF 2, TOURIST 112 PASSENGER, COMMUTER 122 PASSENGER, 2 AISLES, 6 ABREAST. TAKEOFF GROSS WEIGHT 84,500 LBS. FOUR ENGINES GE-CT64 WING MOUNTED.		
210	H	COMM.	TRANSPORT AIRCRAFT	FIGURE EIGHT TYPE FUELAGE WHICH WAS NOT DEVELOPED.		
210	J	COMM.	TRANSPORT AIRCRAFT	STOL TRANSPORT, CREW OF 2, TOURIST 90 PASSENGER, COMMUTER 106 PASSENGER, 1 AISLE, 6 ABREAST. TAKEOFF GROSS WEIGHT 76,000 LBS. FOUR ENGINES GE-CT64 WING MOUNTED.		
210	K	COMM.	TRANSPORT AIRCRAFT	STOL TRANSPORT, CREW OF 2, TOURIST 114 PASSENGER, 1 AISLE, 6 ABREAST. TAKEOFF GROSS WEIGHT 83,500 LBS. FOUR ENGINES GE-CT64 WING MOUNTED.		
211	A	MILITARY	MIL STOL TRANSPORT	MILITARY STOL TRANSPORT (PREVIOUS DESIGN ST 34D-2) CREW OF 3, TROOP CARRYING MEDICAL EVACUATION VERSIONS. DESIGN. GROSS WEIGHT 105,000 LBS. FOUR ENGINE T64-GE-16 WING MOUNTED.	D.Bennett 11-16-67	E6610-239
211	B	MILITARY	MIL STOL TRANSPORT	MILITARY STOL TRANSPORT (PREVIOUS DESIGN. ST 34D-7) WITH ALLISON ENGINE _____. CREW OF 3, TROOP CARRYING MEDICAL EVACUATION VERSIONS. DESIGN GROSS WEIGHT 105,000 LBS.	11-16-67	E6610-239
212 thru 219				RESERVED FOR STOL TRANS. SERIES PER J. S. MCDONNELL		

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
220	A	USAF	AIRPLANE TRANSPORT	BASIC UTILITY AIRPLANE. CREW: TWO SIDE-BY-SIDE. PASSENGERS: EIGHT. MAXIMUM WEIGHT: 50,000 LBS. LOW WING: AREA - 550 SQ. FT. SWEEPBACK ANGLE AT 25%, CHORD - 35°, THICKNESS RATIO: ROOT 14%, TIP 9%. INTERNAL FUEL: 3798 GALLONS. EXTERNAL FUEL: NONE. ENGINE INDIVIDUALLY MOUNTED ON PYLONS UNDERNEATH THE WING. FOUR TURBO-FAN G.E. MODEL CF-700-1 (MCDONNELL REPORT 6342)	10-8-59	194 188
220	B	USAF	AIRPLANE TRANSPORT	BASIC UTILITY AIRPLANE FOUR TURBO-JET JT12A-7	10-22-59	194 188
220	C	COM-MERCIAL	AIRPLANE TRANSPORT	JET TRANSPORT FOR COMMERCIAL MARKET. CREW: TWO SIDE-BY-SIDE. PASSENGERS: 10. MAXIMUM WEIGHT: 52,750 POUNDS. LOW WING: AREA - 550 SQ. FT., SWEEPBACK ANGLE AT 25%, CHORD 35°, THICKNESS RATIO - ROOT 14%, TIP 9%. INTERNAL FUEL: 3,798 GALLONS. EXTERNAL FUEL: NONE. ENGINES INDIVIDUALLY MOUNTED ON PYLONS UNDERNEATH THE WING. FOUR TURBO-FAN G.E. MODEL CF-700-1 (MCDONNELL REPORT 6343)	10-22-59	(AED) 188-14-050
220	D	COM-MERCIAL	AIRPLANE TRANSPORT	JET TRANSPORT FOR COMMERCIAL MARKET FOUR TURBO-JET JT12A-8	10-22-59	(AED) 188-14-050
220-TWO		COM-MERCIAL	AIRPLANE TRANSPORT	GROWTH VERSION OF MODEL 220 WITH TWO ENGINES - PROBABLY AFT MOUNTED. PASSENGERS - VARY IN NUMBER FROM 8 TO 60. MAXIMUM WEIGHT AND EXACT CONFIGURATION NOT DETERMINED YET. TWO	7-27-60	(AED) E9222-051
T-85A		COM-MERCIAL	AIRPLANE TRANSPORT	COMPACT JET TRANSPORT DESIGNED FOR USE AS A COMMERCIAL AIRLINE TRANSPORT. SWEPT WING, TWIN TURBO-FAN POWERED, MEDIUM SHORT RANGE TRANSPORT AIRCRAFT. CREW: TWO SIDE-BY-SIDE. ATTENDANTS: TWO - HOSTESSES + HOSTESS KITS. PASSENGERS: SIXTY-FOUR (FIRST CLASS) + BAGGAGE AND CARGO. EIGHTY-SEVEN (TOURIST CLASS) + BAGGAGE & NO CARGO. SEVENTY-TWO (MIXED - 32 FIRST CLASS, 40 TOURIST). WEIGHTS SPECIFIED HEREIN BASED ON A PASSENGER SEATING ARRANGEMENT OF 64 PASSENGERS AND 500 LBS. CARGO. DESIGN MAXIMUM WEIGHT = 79,500 LBS., DESIGN MINIMUM WEIGHT = 48,000 LBS., MAXIMUM FUEL CAPACITY = 3800 GALLONS, (25,460 LBS.). PRINCIPAL AREAS:	11-11-60	(ASED) E9222-072

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
T-85 (220)	A		(CONTINUED)	a) WING - 1050 SQ. FT., SWEEPBACK @ 25% CHORD = 24°, DIHEDRAL = 6°, THICKNESS RATIO (% CHORD) = 13% (B.L. 63.0), 9% TIP. b) HORIZONTAL TAIL - 248.8 SQ. FT. (TRUE AREA), SWEEPBACK @ 25% CHORD = 24°, DIHEDRAL = 10°, THICKNESS RATIO (% CHORD) = 9%. c) VERTICAL TAIL - 208 SQ. FT., SWEEPBACK @ 25% CHORD = 46.5°, THICKNESS RATIO (% CHORD) = 12%. MAIN GEAR TIRES - DUAL 12.50 X 16 TYPE III. NOSE GEAR TIRES = DUAL 22 X 5.5 TYPE VII. READILY REMOVABLE INTERIOR EQUIPMENT INCLUDES LAVATORIES, LUGGAGE RACKS, SEATS, GALLEYS, COCKPIT DOOR, TRIM AND FORWARD STAIRS. TWO P.W. JT8D-1 (MCDONNELL REPORT 8337)		
221		COMM.	AIRPLANE TRANSPORT	COMMERCIAL TRANSPORT, JET TRANSPORT FOR EXECUTIVE USE. CREW OF 2, SIDE BY SIDE. 21 PASSENGER , 2 ENGINES AFT MOUNTED	2-10-60	188-14-050
222		NAVY	NAVY ADVANCE FIGHTER PER RSC 10/27/67	ADVANCED FIGHTER/ATTACK AIRCRAFT	JARRETT 8-29-67	
223			RVTO - 2A	REENTRY VEHICLE TECHNOLOGY & OBSERVABLES	C.BLATTNER 9-8-67	
223	A			LARGE VEHICLE	C.BLATTNER 9-8-67	
223	B			SMALL VEHICLE	C.BLATTNER 9-8-67	
224		AF	A/C	HYPERSONIC MULTI-PURPOSE WEAPON SYSTEM	ALTAS 10-25-67	
225	A	NAVY		CARRIER-BASED, TWIN TURBOFAN ENGINE (TF30-P-12(MOD)), TWO-MAN TONDEM COCKPIT, FIGHTER AIRPLANE FOR THE U.S. NAVY WITH AN/AWG-9(MOD) MISSILE CONTROL SYSTEM FOR PHOENIX, SPARROW AND SIDEWINDER MISSILES.	R.S.CHASE 10-27-67	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
225	B	NAVY		ESSENTIALLY THE SAME AS MODEL 225A, EXCEPT FOR ADVANCED ENGINES, ADVANCED AVIONICS (MULTI-MODE) AVAILABLE IN MID 1970's AND THE MODEL 225B-2 ADAPTABLE TO AN ADVANCED RECONNAISSANCE VERSION. MODEL 225B-1 - P ¢ W, JTF-22A-22 ENGINES. MODEL 225B-2 - GE. 1/10F10B2 ENGINES.	R S CHASE 10-15-68	
225	C	NAVY		RECONNAISANCE VERSION OF THE MODEL 225B-2. INCREASED LENGTH OF 31". STRUCTURAL BUMP ON LOWER FUSELAGE FOR RECONNAISSANCE EQUIPMENT. CONVENTIONAL HORIZONTAL TAIL MATERIAL IN LIEU OF BORON. INCREASED FUEL VOLUME. DELETED ARMAMENT PROVISIONS AND INSTALLED RECONNAISSANCE EQUIPMENT.	R S CHASE 10-15-68	
226		USAF	ADVANCED MANNED INTECEPTOR	"ADVANCED MANNED INTECEPTOR", HIGH ALTITUDE, HIGH PERFORMANCE AIRCRAFT.	H D ALTIS 2-7-68	
227		USAF		CLASSIFIED AIR FORCE SPACE PROGRAM	J GARDNER 460 5-27-68	
228		NAVY	SHIP & AIR LAUNCHED MISSILE	"HARPOON" (WAS "ALSAM") - MISSILE USED TO ATTACK MISSILE LAUNCHING SURFACE SHIPS.	H L FLOWERS 8-27-68	
228	A	J0992-01	SHIP LAUNCHED MISSILE	STUDIES FOR THE INTEGRATION OF HARPOON MISSILE AND A FOREIGN CONTROL BOAT	J DURBIN 12-5-73	
228	B	J0992-02	SHIP LAUNCHED MISSILE	STUDIES FOR THE INTEGRATION OF HARPOON MISSILE AND CERTAIN FOREIGN SUBMARINES	J DURBIN 12-5-73	

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
250		MULTI-PLE SERVICE	FIGHTER	AIR SUPERIORITY FIGHTER	H ALTIS 1-24-69	
251		NAVY	VTOL	VERTICAL ASSAULT MEDIUM TRANSPORT - VSTOL ADVANCED DESIGN	V H ZIMMERMAN 2-2-70	
252		USAF	ATTACK	ADVANCED TACTICAL STRIKE AIRCRAFT (SX)	D REDDEN 2-13-70	
253		NASA	TRANS-PORT	ADVANCED QUIET LIFT FAN VSTOL TRANSPORT - DC-9 TYPE AIRFRAME	V ZIMMERMAN 3-2-70	
253	A	NASA	TRANS-PORT	SHORT-TAKE-OFF AIRCRAFT STOL - 1500 FT FIELD LENGTH	V ZIMMERMAN 3-24-70	
253	B	NASA	TRANS-PORT	VERTICAL-TAKE-OFF AIRCRAFT	V ZIMMERMAN 3-24-70	
254		NASA	SPACE VEHICLE	SPACE SHUTTLE - STRAIGHT WING ORBITER VERSION	R S CHASE 4-15-70	
255		NASA		SPACE SHUTTLE - DOUBLE DELTA ORBITER VERSION	R S CHASE 4-15-70	
256		NASA		SPACE SHUTTLE BOOSTER - DELTA BOOSTER VERSION (MDAC-W)	R S CHAST 4-15-70	
257		NASA		SPACE SHUTTLE BOOSTER - TWIN BODY BOOSTER VERSION (MARTIN)	R S CH[illegible] 4-15-70	
258	A	USMC	V/STOL	V/STOL UTILIZING VECTORED THRUST FOR PROPULSION, PEGASUS 16-01 ENGINE.	L KARROLL 7-27-70	

MAC 1691 (REV 6 DEC 66)

MCDONNELL MODEL NUMBERS 1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
258	B		V/STOL	LARGER AND HEAVIER V/STOL - LARGER LANDING GEAR, INCREASED AVIONICS, TAIL HOOK, ADDITIONAL ARMOR	L. KARROLL 7-27-70	
258	C		V/STOL	V/STOL WITH ADDITIONS OF LATER REQUIREMENTS IN NAVY HIGH PERFORMANCE ADVANCED ATTACK SYS (HIPAAS) GUIDELINES	L. KARROLL 9-22-70	
258	D		V/STOL	REFINED VERSION V/STOL - WEIGHT AND SIZE REDUCED	L. KARROLL 10-12-70	
258	E		V/STOL	V/STOL UTILIZING PEGASUS 15-03 PCB ENGINE AND TWO LIFT ENGINES	L. KARROLL 4-13-71	
258	F		V/STOL	BASIC AV-8A HARRIER RE-ENGINED WITH PEGASUS 15-03 PCB ENGINE	L. KARROLL 1-25-71	
258	G		V/STOL	MODIFIED AV-8A TO INCREASE FUEL CAPACITY AND USEFUL LOAD REPLACED PEGASUS II ENGINE WITH PEGASUS 11+ ENGINE		
258	H		V/STOL	MODIFIED AV-8A WITH SMALLER RADAR		
258	I		V/STOL	MAJOR MODIFICATION OF AV-8A TO INSTALL PEGASUS 15-02 ENGINE, INCREASED FUEL CAPACITY AND USEFUL LOAD		
258	J		V/STOL	MODIFIED V/STOL SIMILAR TO 258I EXCEPT FOR AVIONICS SUIT AND WING		
258	K		V/STOL	MODIFIED V/STOL WITH SUPERCRITICAL, COMPOSITE STRUCTURE WING AND INCREASED FUEL CAPACITY		
			V/STOL	SAME AS 258K V/STOL WITH AVIONICS SUIT FROM 258G		
258	M		V/STOL	SMALLER AND LIGHTER V/STOL UTILIZING PEGASUS 16B ENGINE		
258	N		V/STOL	MODIFIED AV-8A TO INCORPORATE CHANGES ESSENTIAL FOR NAVAL OPERATION		

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
258	P		V/STOL	V/STOL SAME AS 258N WITH ADDITION OF LASAR TRACKER/ RECEIVER	L. KARROLL	
258	Q		V/STOL	V/STOL SAME AS 258P WITH PEGASUS 11+ ENGINE AND SUPER-CRITICAL WING OF CONVENTIONAL METAL CONSTRUCTION		
258	R		V/STOL	V/STOL WITH HIGH WING AND TRICYCLE LANDING GEAR		
258	S		V/STOL	V/STOL WITH F-4 TYPE AFT FUSELAGE AND BIFURCATED ENGINE EXHAUST		
258	T		V/STOL	V/STOL WITH HIGH WING, F-4 TYPE AFT FUSELAGE AND TRICYCLE LANDING GEAR		
258	U		V/STOL	V/STOL BASED ON HARRIER DESIGN WITH PEGASUS 11 ENGINE AND PLENUM CHAMBER BURNING (PCB) IN FWD NOZZLES		
258	V			A CTOL WITH HIGH WING AND TRICYCLE LANDING GEAR		
258	W			A VTOL VERSION ON 258V		
258	X		V/STOL	V/STOL WITH HIGH WING, TRICYCLE LANDING GEAR, F-4 TYPE AFT FUSELAGE AND F-4 TYPE ENGINE INLET		
258	Y		V/STOL	V/STOL WITH LOW WING, TRICYCLE LANDING GEAR AND F-4 TYPE ENGINE INLET		
258	Z		V/STOL	V/STOL WITH HIGH WING, TRICYCLE LANDING GEAR		
258	AA		V/STOL	V/STOL WITH HIGH WING, TWIN TAIL BOOM, TRICYCLE LANDING GEAR AND BIFURCATED ENGINE EXHAUST		
258	AB		V/STOL	V/STOL WITH HIGH WING, TRICYCLE LANDING GEAR, F-15 TYPE TAIL		
258	AC		V/STOL	V/STOL WITH LOW WING, TRICYCLE LANDING GEAR, F-4 TYPE AFT FUSELAGE		
258	AD		V/STOL	HAWKER-SIDDELEY DESIGN, HIGH WING AND TRICYCLE LANDING GEAR		

MCDONNELL MODEL NUMBERS 1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
258	AE		V/STOL	V/STOL WITH HIGH WING, BICYCLE LANDING GEAR AND SPIKE ENGINE INLETS	L. KARROLL	
258	AF		V/STOL	V/STOL WITH HIGH WING, TRICYCLE LANDING GEAR AND TWIN BOOMS HOUSING ENGINES		
258	AG		V/STOL	V/STOL WITH HIGH WING, TRICYCLE LANDING GEAR AND ENGINES IN PODS		
258	AH		V/STOL	V/STOL WITH HIGH WING, BICYCLE LANDING GEAR, REVERSE FLOW ENGINE INLET ABOVE FUSELAGE		
258	AI		V/STOL	V/STOL BASED ON HARRIER DESIGN INCORPORATING PEGASUS 15-03 ENGINE WITH PCB IN FWD NOZZLES AND A/B IN REAR NOZZLES		
258	AJ		V/STOL	AV-8A HARRIER WITH CHANGES, USING PEGASUS 15-02 ENGINE		
258	AK		V/STOL	AV-8A HARRIER WITH CHANGES, USING PEGASUS II ENGINE		
258	AL		V/STOL	AV-8A HARRIER WITH CHANGES, USING PEGASUS 15-02 ENGINE		
258	AM		V/STOL	SAME AS MODEL 258C WITH SUPERCRITICAL WING		
258	AN		V/STOL	SAME AS MODEL 258AL EXCLUDING LASER SEEKER/TRACKER		
258	AP		V/STOL	MODIFIED AV-8A INTO AV-8C		
2(	AQ		V/STOL	MODIFIED MODEL 258AI WITH PEGASUS 15-03 ENGINE WITH PCB		
			V/STOL	V/STOL WITH MODIFIED WING AREA AND VENTRAL FIN		
			V/STOL	SAME AS 258AR EXCEPT USE OF RB-162-4 LIFT ENGINES		
			V/STOL	V/STOL WITH WING AREA 290 FT^2, AV-8C VERTICAL TAIL AND AV-8C FWD FUSELAGE AND NOSE		

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
258	AU		V/STOL	SAME AS 258AT EXCEPT 309 FT^2 WING AND XJ99 LIFT ENGINES	L. KARROLL	
258	AV		V/STOL	SAME AS 258AR EXCEPT USE OF RB-162-4 LIFE ENGINES		
258	AW		V/STOL	V/STOL WITH PEGASUS 15-03 ENGINE AND RB-162-4 LIFT ENGINES		
258	AX		V/STOL	V/STOL WITH 320 FT^2 WING		
258	AY		V/STOL	V/STOL WITH PEGASUS 15-02 ENGINE AND RB-162-81 LIFT ENGINES		
258	AZ		V/STOL	AV-8C WITH PCB, FORWARD FUSELAGE MOVED 1.5 FT FORWARDED		
258	BA		V/STOL	AV-8C WITH FUSELAGE 6.50 IN LONGER AND SUPERCRITICAL WING MOVED AFT		
258	BB		V/STOL	MODEL 258AI STRETCHED TO PROVIDE 10,000# FUEL USES		
258	BC		V/STOL	MODEL 258AN WITH IMPROVED REARWARD VISIBILITY CANOPY		
258	BD		V/STOL	AV-8A WITH SUPERVRITICAL WING AND PEGASUS 15-02 ENGINE AND ENLARGED INLET		
258	BE		V/STOL	V/STOL WITH PEGASUS II ENGINE WITH EJECTOR THRUST AUGMENTATION		
259		A/F	REMOTELY PILOTED	REMOTELY PILOTED A/C - SMALL INEXPENSIVE NON-EXPENDABLE A/C WITH VERSIONS TO PERFORM THE INTER-DICTION AIR SUPERIORITY AND RECON. ROLE	C V DRESSER 10-[illegible]-70	
260		NAVY	V/STOL	MULTI-MISSION, BASICALLY ASW, HIGH BY-PASS, V/STOL AIRCRAFT LONG ENDURANCE AIRCRAFT FOR SEA CONTROL SHIPS	ZIMMERMANN 12-20-71	

MAC 1691 (REV 6 DEC 66)

MCDONNELL MODEL NUMBERS

1 JULY 1974

MODEL NO.	SERIES LETTER	CUSTOMER	TYPE DESIGNATION	DESCRIPTION	DATE NO. ASSIGNED	JOB ORDER
261		NAVY	MISSILE	MODERN RAMJET SYSTEM SYNTHESIS (MORASS)	W WILKERSON 2-15-72	
262		NAVY	V/STOL FIGHTER	NAVY V/STOL SUPERSONIC FIGHTER FOR SEA CONTROL SHIPS	J P CAPELLUPO 2-15-72	
263		NAVY	FIGHTER	MULTI-MISSION AIRCRAFT FOR AIR SUPERIORITY WITH ALTERNATE CAPABILITY FOR COMBAT AIR PATROL INTERDICTION AND CLOSE AIR SUPPORT. SINGLE OFF-THE-SHELF ENGINE, SINGLE CREWMAN, 25,000 TO 30,000 LB TOGW CLASS, 1981IOC	J P CAPELLUPO 10-9-72	
264		NAVY	SPACE-CRAFT	CLASSIFIED NAVY SPACE PROGRAM	E A WOODWARD 2-16-73	
265		A/F	FIGHTER	ADVANCED MANEUVERING VECTORED LIFT FIGHTER (VLF)	W D CROKER 2-19-73	
266		NAVY	MISSILE	SMALL AIR-BREATHER SYSTEM SYNTHESIS (SASS) MISSILE EFFORT	L E STEPHENSON 6-28-74	
278		NAVY	Missile	ASW Stand-off Weapon		