

# LOGISTICS MANAGEMENT REPORT FOR U.S. NAVY PROPELLANT-ACTUATED DEVICES (PAD)



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Prepared for  
Program Executive Officer,  
Tactical Aircraft Programs, PMA-201



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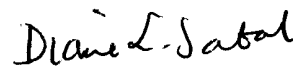
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## FOREWORD

The Indian Head Division, Naval Surface Warfare Center, Indian Head, MD, is the cognizant field activity for U.S. Navy propellant-actuated devices (PAD). The PAD Engineering Division (Code 510) at Indian Head is delegated the responsibility of maintenance engineering for PAD devices by PEO (W) PMA-201. The logistics management report is prepared to summarize the status of Navy PAD stocks, detail the logistics support given or required for aircraft escape system changes, and highlight other matters pertaining to Navy PAD logistics support and acquisition management. The subject report also serves as a reference source for general Navy PAD information.

Anyone desiring to make inquiries about the material covered herein or to receive subsequent editions of this semiannual report should contact Mike Audley (Code 5110H), DSN 354-2105 or commercial line (301) 744-2105.

  
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Manager, PAD Branch

Approved and released by:



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Director, AEPS/PAD Engineering Division

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## INTEGRATED LOGISTICS SYSTEM NOTES

### NAVAIR 11-100-1.1-CD Electronic Technical Manual

Basic Issued dated 1 February 2001, Revision 1 dated January 2002, Revision 2 dated January 2003, IRAC 36 dated 4 April 2004, IRAC 37 dated June 2004.

#### Production Lot Designation Change

All assets now entering the stock system will have ammunition lot numbers per MIL-STD-1168. An illustration is given below:

IHM01A002-001

a b c d e

- a = Manufacturer's identification symbol
- b = Two-digit numeric code identifying the year of production of the oldest propellant batch used in the propellant actuated device (PAD) lot
- c = Single alpha code signifying the month of production of the oldest propellant batch used in the PAD lot
- d = Lot interfix number (controlled by Indian Head Division, Naval Surface Warfare Center, Indian Head, MD 20640-5035)
- e = Lot sequence number.

#### PAD Spares Policy

Because PAD assets are limited and are not allocated items, refer to NAVSURFWARCENDIV Indian Head Naval Message 121339Z October 2000 for the Management Policy on CAD/PAD.

#### Corrosion

The service life for PAD devices is determined by an extensive type-life and ordnance evaluation test program. Corrosion is considered to be a maintenance discrepancy reportable via a safety report or quality deficiency report in accordance with OPNAVINST 8600.2. Corrosion is not a criterion for reducing the service life of an entire lot or specific type of PAD device, but should be reported on a case-by-case basis.

## PAD INVENTORY

The following section contains information concerning the Navy PAD devices utilized in U.S. Navy and Marine Corps aircraft. Each aircraft is reported separately. The PAD devices are listed under their respective ejection seat configurations. In general, each PAD device is identified as to national stock number, Department of Defense (DOD) identification code/Navy ammunition logistics code (DODIC/NALC), service life, and quantity per aircraft. The serviceable inventory is reported, with both production lot quantities and quantities per lot installed in aircraft. Quantities installed in aircraft are from the CAD/PAD Traceability System (CATS). These inventories of installed assets conducted in cooperation with type commanders and aircraft manufacturers are compiled at Indian Head. Lot quantity figures indicate the amount delivered by a contractor for Navy use/Navy stock.

The following color code applies to each lot table per aircraft type:

**Red = Lot expiring within the next 6 months.**

**Dark Brown = Lot that has expired in last 6 months.**

**Blue = Lot is on a worldwide service-life extension.**

**Green = A new mod change and affected lots from that change.**

**Violet = The service life of this unit has been increased since the last published report.**

**Propellant-Actuated Devices***[As of 30 June 2003]*

PAD device	NSN	DODIC	Series aircraft	No. per aircraft	Service life (mo/yr)
<b>Rocket Catapults</b>					
Mk 12 Mod 1 <sup>1</sup>	1377-00-276-2364	MC77	OV-10A	2	120/10
Mk 16 Mod 1 <sup>2</sup>	1377-01-040-9324	MD72	TA-4J	2	156/13
			S-3B	4	156/13
Mk 18 Mod 0 <sup>1</sup>	1377-00-250-0206	M941	T-2C	2	120/10
CKU-7A <sup>1,2</sup>	1377-00-125-7777	MS15	F-5E	1	120/10
			F-5F	2	120/10
			T-38A	2	120/10
CKU-5B/A	1377-01-169-7797	MT47	F-16A	1	48/4
			F-16B	2	48/4
<b>Man/Seat Separators</b>					
Mk 82 Mod 0 <sup>1,2</sup>	1377-00-119-2022	M928	S-3B	2	192/16
Mk 82 Mod 1 <sup>1,2</sup>	1377-01-412-6530	MU76	TA-4J	1	84/7
Mk 90 Mod 1 <sup>1,2</sup>	1377-01-412-6462	MU75	S-3B	2	84/7
<b>Yaw Thrusters</b>					
Mk 83 Mod 0 <sup>2,3</sup>	1377-00-119-2031	M929	S-3B	2	84/7
Mk 85 Mod 0 <sup>2,3</sup>	1377-00-119-2045	M932	S-3B	2	84/7
<b>Vernier</b>					
Mk 84 Mod 2 <sup>2,4</sup>	1377-01-199-8315	MF57	S-3B	4	156/13
P/N 50436-11	1377-01-255-1650	MT32	F-16A	1	120/10
			F-16B	2	120/10
<b>Seatback Rocket</b>					
Mk 79 Mod 1/2 <sup>1,4</sup>	1377-01-069-1787	MF21	AV-8B	2	132/11
			TAV-8B	4	132/11
<b>WORD/Drogue Assembly</b>					
Mk 113 Mod 1 <sup>2,4</sup>	1377-01-149-3516	MG67	AV-8B	1	96/8
			TAV-8B	2	96/8
<b>Catapult Cartridge</b>					
Mk 205 Mod 2	1377-01-138-3829	XW36	AV-8B	1	96/8
			TAV-8B	2	96/8
<b>Underseat Rocket Motor</b>					
Mk 74 Mod 0 <sup>5</sup>	1377-00-181-9532	M572	F-14A/B, NF-14A/B	1	240/20
Mk 74 Mod 1 <sup>1</sup>	1377-01-246-5282	M572	F-14A/B, NF-14A/B	1	240/20
Mk 75 Mod 0 <sup>5</sup>	1377-00-181-9533	M573	F-14A/B, NF-14A/B	1	240/20
Mk 75 Mod 1 <sup>1</sup>	1377-01-246-5283	M573	F-14A/B, NF-14A/B	1	240/20
Mk 86 Mod 0 <sup>5</sup>	1377-00-201-9543	M938	EA-6B	2	240/20
Mk 86 Mod 1 <sup>1</sup>	1377-01-246-5286	M938	EA-6B	2	240/20
Mk 87 Mod 0 <sup>5</sup>	1377-00-201-9545	M939	EA-6B	1	240/20
Mk 87 Mod 1 <sup>1</sup>	1377-01-246-5287	M939	EA-6B	1	240/20
Mk 88 Mod 0 <sup>5</sup>	1377-00-201-9533	M940	EA-6B	1	240/20

See footnotes at end of table.

**Propellant-Actuated Devices—Continued**

PAD device	NSN	DODIC	Series aircraft	No. per aircraft	Service life (mo/yr)
Mk 88 Mod 1 <sup>1</sup>	1377-01-246-5288	M940	EA-6B	1	240/20
Mk 92 Mod 1 <sup>1</sup>	1377-01-036-8514	M933	QF-4N, QF-4S	2	192/16
<b>Mk 100 Mod 0<sup>5</sup></b>	<b>1377-01-039-2927</b>	<b>MD68</b>	<b>FA-18A/C/B/D</b>	<b>1</b>	<b>216/18</b>
<b>Mk 101 Mod 0<sup>5</sup></b>	<b>1377-01-039-2928</b>	<b>MD69</b>	<b>FA-18B/D/E</b>	<b>1</b>	<b>216/18</b>
Mk 123 Mod 0 <sup>2,5</sup>	1377-01-246-5280	MT30	F-14D	1	180/15
			FA-18D/F	1	180/15
			T-45A/C	1	180/15
Mk 124 Mod 0 <sup>2,5</sup>	1377-01-246-5281	MT31	F-14D	1	180/15
			FA-18C/D/E/F	1	180/15
			T-45A/C	1	180/15
<b>Canopy Remover Rocket Motor</b>					
Mk 109 Mod 0 <sup>2,4</sup>	1377-01-101-1443	MF56	FA-18A/C/B/D/E/F	2	132/11
Mk 109 Mod 1 <sup>2,4</sup>	1377-01-454-9321	SS67	FA-18A/C/B/D/E/F	2	132/11
P/N J114716-1	1377-01-057-5431	ME80	F-16A	1	84/7
			F-16B	1	84/7
P/N J114716-501	1377-01-058-5431	ME81	F-16A	1	84/7
			F-16B	1	84/7
<b>Rocket Motor Divergence</b>					
Mk 121 Mod 0 <sup>2,3</sup>	1377-01-242-8859	MT28	TAV-8B	4	84/7
P/N 1143-3 <sup>3</sup>	1377-01-053-0587	MD99	F-16A	1	204/17
			F-16B	2	204/17
<b>Parachute Deployment Rocket Motor</b>					
Mk 122 Mod 0 <sup>2,5</sup>	1377-01-246-5279	MT29	F-14D	2	84/67 <sup>6</sup>
			FA-18C/D/E/F	2	84/7 <sup>6</sup>
			T-45A/C	2	84/7 <sup>6</sup>
			<b>All lots from 1998 to present</b>		<b>120/10</b>

<sup>1</sup>NAVSURFWARCENDIV, Indian Head (IH).

<sup>2</sup>Universal Propulsion Company (UPC).

<sup>3</sup>Pacific Scientific.

<sup>4</sup>Talley Defense Systems (TAC).

<sup>5</sup>Martin-Baker Aircraft Co., Ltd. (MBA).

<sup>6</sup>All lots manufactured in 1998 and after are extended to 120/10; all others remain 84/7.

**AV/TAV-8B AIRCRAFT**  
**Stencel SJU-4A AV-8B**  
**Stencel TAV-8B SJU-13/A Fwd, SJU-14A Aft**

## 1. Seatback Rocket Motor Mk 79 Mod 1/2

- a. NSN: 1377-01-069-1787
- b. DODIC: MF21
- c. Service life: 132 months (11 years)
- d. Rocket motor WUC: 97D1M
- e. Two per AV-8B aircraft, four per TAV-8B aircraft.



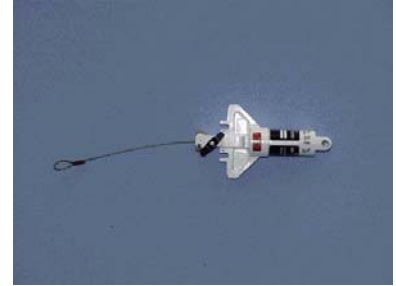
Lot No.	Lot quantity	AV-8B	NAV-8B	TAV-8B	Total units installed	Service-life expiration date
<b>TAC93L001-056</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>November 2004</b>
TAC97D001-001 <sup>1</sup>	135	53	0	10	63	April 2008
TAC97J002-001 <sup>1</sup>	171	110	2	20	132	September 2008
TAC99H002-002 <sup>1</sup>	261	23	0	6	29	August 2010
IH-98A003-002	110	54	0	12	66	January 2009
IH-99M002-003	50	2	0	0	2	December 2010
TAC00L002-003 <sup>1</sup>	30	0	0	0	0	November 2011
TAC01E002-004 <sup>1</sup>	80	0	0	0	0	May 2012
TAC00E002-005 <sup>1</sup>	16	0	0	0	0	May 2011
TAC01K002-006	53	0	0	0	0	October 2012
TAC01K002-007	40	0	0	0	0	October 2012
TAC01M002-008	20	0	0	0	0	December 2012
TAC02A002-009	8	0	0	0	0	January 2013
TAC02E002-010	12	0	0	0	0	May 2013
Total installed:		242	2	48		
Grand total installed:					290	

**ILS Notes:**

1. **NSWC/IHDIIV has qualified and released a Mk 79 Mod 2 (MF21) Seatback Rocket Motor. This new unit can be used in all applications in which the Mod 1 unit is currently being used. The Mod 2 is a one-for-one exchange with the Mk 79 Mod 1 (MF21) unit.**
2. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
3. No lots have expired since the last publication of this report.
4. **The next lot scheduled to expire will expire in November 2004.**
5. For information on the Mk 79 Mod 1 (MF21) conventional ordnance deficiencies on the AV-8 aircraft, see Table V.

2. WORD Rocket Motor/Drogue Release Assembly Mk 113 Mod 1

- a. NSN: 1377-01-149-3516
- b. DODIC: MG67
- c. Service life: 96 months (8 years)
- d. Rocket motor WUC: 97D3C
- e. One per AV-8B aircraft, two per TAV-8B aircraft.



Lot No.	Lot quantity	AV-8B	NAV-8B	TAV-8B	Total units installed	Service-life expiration date
UPC99D001-001	237	115	1	24	140	April 2007
UPC00G001-002	32	9	0	0	9	July 2008
TAC98M003-001	64	7	0	0	7	December 2006
TAC00J004-003	30	0	0	0	0	September 2008
TAC01H004-004	7	0	0	0	0	August 2009
Total installed:		131	1	24		
Grand total installed:					156	

**ILS Notes:**

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
3. The next lot scheduled to expire will expire in April 2007.
4. For information on the Mk 113 Mod 1 (MG67) conventional ordnance deficiencies on the AV-8 aircraft, see Table V.

## 3. Catapult Cartridge Mk 205 Mod 2

- a. NSN: 1377-01-138-3829
- b. DODIC: XW36
- c. Service life: 96 months (8 years)
- d. Rocket motor WUC: 97D34
- e. One per AV-8B aircraft, two per TAV-8B aircraft.



Lot No.	Lot quantity	AV-8B	NAV-8B	TAV-8B	Total units installed	Service-life expiration date
TAC98M002-001	77	29	0	2	31	December 2006
TAC98M002-002	50	33	1	5	39	December 2006
TAC00B002-003A	60	23	0	4	27	February 2008
TAC01B002-004	126	31	0	2	33	February 2009
TAC01G002-005	8	4	0	4	8	July 2009
TAC01G002-006	24	12	0	7	19	July 2009
TAC04D002-011	26	0	0	0		April 2012
Total installed:		132	1	24		
Grand total installed:					157	

**ILS Notes:**

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. **The following lots have expired since the last publication of this report:.**  
**TAC96A001-004 January 2004**
3. The next lot scheduled to expire will expire in December 2006.
4. For information on the Mk 205 Mod 2 (XW36) conventional ordnance deficiencies on the AV-8 aircraft, see Table V.

4. Rocket Motor Divergence Mk 121 Mod 0

- a. NSN WUC: 93046
- b. Four per T: 1377-01-242-8859
- c. DODIC: MT28
- d. Service life: 84 months (7 years)
- e. Rocket motor AV-8B aircraft.



Lot No.	Lot quantity	TAV-8B	Total units installed	Service-life expiration date
<b>ESD00A001-001<sup>1</sup></b>	<b>95</b>	<b>48</b>	<b>48</b>	<b>January 2007</b>
UPC02L001-024	19	0	0	November 2009
Total installed:		48		
Grand total installed:			48	

*ILS Notes:*

1. **We have qualified Pacific Scientific (ESD) as a manufacturer.**
2. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
3. No lots have expired since the last publication of this report.
4. The next lot scheduled to expire will expire in January 2007.
5. For information on the Mk 121 Mod 0 (MT28) conventional ordnance deficiencies on the TAV-8 aircraft, see Table V.



## EA-6B AIRCRAFT

### Martin-Baker Mk GRUEA7 Ejection Seats

1. Underseat Rocket Motor Mk 86 Mod 0 and Mod 1
  - a. NSN: 1377-00-201-9543 (Mod 0), 1377-01-246-5286 (Mod 1)
  - b. DODIC: M938 (Mod 0), M938 (Mod 1)
  - c. Service life: Mod 0: 240 months (20 years); Mod 1: 240 months (20 years)
  - d. Rocket motor WUC: 97D3M Mod 0 and Mod 1
  - e. Two per aircraft (Pilot/ECMO-3).



Lot No.	Lot quantity	EA-6B	Total units installed	Service-life expiration date
MBA85E001-015	16	10	10	May 2005
MBA85E001-017	24	22	22	May 2005
MBA85H001-018	32	31	31	August 2005
MBA86J001-021	24	23	23	September 2006
UPC86J001-001(A) or (B)	37	26	26	September 2006
MBA86J001H020	50	50	50	September 2006
MBA88B001H023	7	2	2	February 2008
MBA88E001-027	22	14	14	June 2008
MBA89F001-030	24	14	14	June 2009
IH-94L002-003A	76	43	43	November 2014
Total installed:		235		
Grand total installed:			235	

#### **ILS Notes:**

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. **The following lots have expired since the last publication of this report:**  
**MBA84B001-013      February 2004**
3. The next lot scheduled to expire will expire in May 2005.
4. For information on the Mk 86 Mod 0/ 1 (M938) conventional ordnance deficiencies on the EA-6B aircraft, see Table V.

2. Underseat Rocket Motor Mk 87 Mod 0 and Mod 1

- a. NSN: 1377-00-201-9545 (Mod 0), 1377-01-246-5287 (Mod 1)
- b. DODIC: M939 (Mod 0), M939 (Mod 1)
- c. Service life: Mod 0: 240 months (20 years); Mod 1: 240 months (20 years)
- d. Rocket motor WUC: 97D3N Mod 0 and Mod 1
- e. One per aircraft (ECMO-1).



Lot No.	Lot quantity	EA-6B	Total units installed	Service-life expiration date
MBA85E001-015	8	4	4	May 2005
MBA85E001-017	12	9	9	May 2005
MBA85H001-018	25	21	21	August 2005
MBA86J001H020	39	39	39	September 2006
MBA86J001-021	17	17	17	September 2006
UPC86J001-001(A) or (B)	25	8	8	September 2006
MBA88B001H023	6	6	6	February 2008
MBA88E001-025	11	0	0	May 2008
MBA88E001-028	10	6	6	May 2008
MBA88H001H029	1	1	1	August 2008
MBA88E001-030	12	7	7	May 2008
MBA89F001-031	11	0	0	June 2009
IH-94L002-003A	26	5	5	November 2014
Total installed:		103		
Grand total installed:			103	

**ILS Notes:**

- 1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
- 2. **The following lot has expired since the last publication of this report:  
MBA84B001-013 February 2004**
- 3. The next lot scheduled to expire will expire in May 2005.
- 4. For information on the Mk 87 Mod 0/1 (M939) conventional ordnance deficiencies on the EA-6B aircraft, see Table V.

## 3. Underseat Rocket Motor Mk 88 Mod 0 and Mod 1

- a. NSN: 1377-00-201-9551 (Mod 0), 1377-01-246-5288 (Mod 1)
- b. DODIC: M940 (Mod 0), M940 (Mod 1)
- c. Service life: Mod 0: 240 months (20 years); Mod 1: 240 months (20 years)
- d. Rocket motor WUC: 97D3P Mod 0 and Mod 1
- e. One per aircraft (ECMO-2).



Lot No.	Lot quantity	EA-6B	Total units installed	Service-life expiration date
MBA85E001-015	8	6	6	May 2005
MBA85E001-017	12	10	10	May 2005
MBA85H001-018	31	16	16	August 2005
MBA86J001-021	13	13	13	September 2006
MBA88B001H023	6	0	0	February 2008
MBA88E001025	12	12	12	May 2008
MBA88E001-027	12	0	0	May 2008
MBA89F001-030	13	10	10	May 2009
IH-94L002-003A	33	31	31	November 2014
IH-94L002-004	25	2	2	November 2014
MBA00L002-031	46	19	19	November 2020
Total installed:		119		
Grand total installed:			119	

**ILS Notes:**

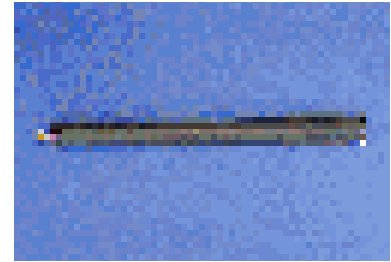
1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. **The following lot has expired since the last publication of this report:  
MBA84B001-013 February 2004**
3. The next lot scheduled to expire will expire in May 2005.
4. For information on the Mk 88 Mod 0/1 (M940) conventional ordnance deficiencies on the EA-6B aircraft, see Table V.

**F-5E/F-T-38A AIRCRAFT**

**Northrop Improved Ejection Seat  
Assembly Number 14-70202-505**

1. Rocket Catapult CKU-7A

- a. NSN: 1377-00-125-7777
- b. DODIC: MS15
- c. Service life: 120 months (10 years)
- d. Rocket catapult WUC: 97ABA
- e. One per F-5E aircraft, two per F-5F aircraft, two per T-38 aircraft.



Lot No.	Lot quantity	F-5E	F-5F	T-38A	Total units installed	Service-life expiration date
IH-95E001-046	8	3	3	0	6	May 2005
IH-96H001-048	5	1	0	2	3	August 2006
IH-98F001-049	21	16	0	5	21	August 2006
IHM00C001-051	46	11	5	7	23	March 2010
IHM00E001-052	22	1	0	4	5	May 2010
Total installed:		32	8	18		
Grand total installed:					58	

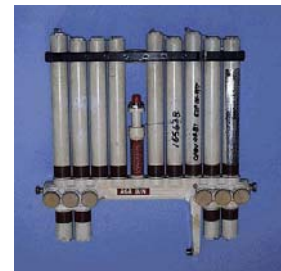
**ILS Notes:**

- 1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
- 2. No lots have expired since the last publication of this report.
- 3. The next lot scheduled to expire will expire in May 2005.
- 4. For information on the CKU-7A (MS15) conventional ordnance deficiencies on the F-5/T-38 aircraft, see Table V.

## F-14A/B AND NF-14A AIRCRAFT

### Martin-Baker Mk GRU-7A Ejection Seats

1. Underseat Rocket Motor Mk 74 Mod 0 and Mod 1
  - a. NSN: 1377-00-181-9532 (Mod 0), 1377-01-246-5282 (Mod 1)
  - b. DODIC: M572 (Mod 0), M572 (Mod 1)
  - c. Service life: Mod 0: 240 months (20 years); Mod 1: 240 months (20 years)
  - d. Rocket motor WUC: 97D1R Mod 0 and Mod 1
  - e. One each per aircraft (pilot).



Lot No.	Lot quantity	F-14A	F-14B	Total units installed	Service-life expiration date
MBA85E001-015	18	1	5	6	May 2005
MBA85E001-017	18	1	12	13	May 2005
MBA85H001-018	126	15	18	33	August 2005
UPC86J001-001A (or) B	25	1	3	4	September 2006
MBA88B001-024	15	0	8	8	February 2008
MBA88H001-026	6	2	1	3	August 2008
IH-94L002-003A	23	7	5	12	November 2014
IHM94L002-004	15	6	4	10	November 2014
IHM94L002-005		2	0	2	November 2014
Total installed:		35	56		
Grand total installed:				91	

#### *ILS Notes:*

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. **The following lot has expired since the last publication of this report:  
MBA84B001-013 February 2004**
3. The next lot scheduled to expire will expire in May 2005.
4. For information on the Mk 74 Mod 0/1 (M572) conventional ordnance deficiencies on the F-14A/B aircraft, please see Table V.

2. Underseat Rocket Motor Mk 75 Mod 0 and Mod 1

- a. NSN: 1377-00-181-9533 (Mod 0), 1377-01-246-5283 (Mod 1)
- b. DODIC: M573 (Mod 0), M573 (Mod 1)
- c. Service life: Mod 0: 240 months (20 years); Mod 1: 240 months (20 years)
- d. Rocket motor WUC: 97D3J Mod 0 and Mod 1
- e. One per aircraft (NFO).



Lot No.	Lot quantity	F-14A	F-14B	Total units installed	Service-life expiration date
MBA85E001-015	18	2	7	9	May 2005
MBA85E001-017	18	0	13	13	May 2005
MBA85H001-018	134	18	15	33	August 2005
UPC86J001-001A (or) B	25	4	0	4	September 2006
MBA88B001-024	13	0	7	7	February 2008
MBA88H001-026	5	0	2	2	August 2008
IH-94L002-003A	22	3	8	11	November 2014
IHM94L002-004	12	5	1	6	November 2014
IHM94L002-005		3	0	3	November 2014
Total installed:		35	53		
Grand total installed:				88	

**ILS Notes:**

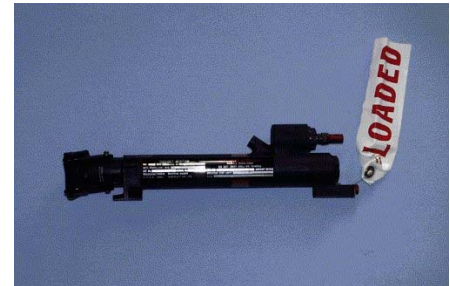
- 1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
- 2. **The following lot has expired since the last publication of this report:  
MBA84B001-03 February 2004**
- 2. The next lot scheduled to expire will expire in May 2005.
- 3. For information on the Mk 75 Mod 0/1 (M573) conventional ordnance deficiencies on the F-14A/B aircraft, see Table V.

## F-14D AND NF-14D AIRCRAFT

### SJU-17/(V)3/A (Forward Seat) and SJU-17/(V)4/A (Aft Seat)

1. Parachute Deployment Rocket Motor Mk 122 Mod 0

- a. NSN: 1377-01-246-5279
- b. DODIC: MT29
- c. Service life: 84 months (7 years), 120 months (10 years)
- d. Rocket motor WUC: 97D4A
- e. Two each per aircraft (pilot and MCO).



Lot No.	Lot quantity	F-14D	Total units installed	Service-life expiration date
<b>UPC97H003-005</b>	<b>192</b>	<b>24</b>	<b>24</b>	<b>August 2004</b>
MBA98J004-014	300	32	32	September 2008
MBA99J004-016	206	3	3	September 2009
MBA00F004-017	257	3	3	June 2010
UPC01E005-001	271	3	3	May 2011
UPC01E005-002	328	0	0	May 2011
Total installed:		63		
Grand total installed:			63	

#### *ILS Notes*

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
3. **The next lot scheduled to expire will expire in August 2004.**
4. For information on the Mk 122 Mod 0 (MT29) conventional ordnance deficiencies on the F-14D aircraft, see Table V.

2. Underseat Rocket Motor Mk 123 Mod 0 (front)

- a. NSN: 1377-01-246-5280
- b. DODIC: MT30
- c. Service life: 180 months (15 years)
- d. Rocket motor WUC: 97D4B
- e. One per aircraft (pilot).



Lot No.	Lot quantity	F-14D	Total units installed	Service-life expiration date
<b>MBA89F001-003</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>June 2004</b>
<b>MBA89F001-005</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>June 2004</b>
MBA90H001-006	35	14	14	August 2005
MBA90H001-007	6	0	0	August 2005
MBA90K001-008	50	8	8	October 2005
UPC90L001H001B	17	1	1	November 2005
MBA91J001-009	21	4	4	September 2006
UPC91K001H002A	14	2	2	October 2006
MBA92C001-010	10	0	0	March 2007
UPC93E002H005	27	22	22	May 2008
MBA93F002-011	54	10	10	June 2008
UPC94B003H006	80	4	4	February 2009
MBA95C003-012	236	3	3	March 2010
MBA96C003-013	71	0	0	March 2011
MBA97G003-014	33	1	1	July 2012
MBA98J003-017	33	0	0	September 2013
MBA99H003-019	53	0	0	August 2014
MBA01A003-020	47	0	0	January 2016
MBA01E003-024	277	0	0	May 2016
MBA01F003-025	46	0	0	June 2016
Total installed:		66		
Grand total installed:			66	

**ILS Notes:**

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
- 3. The next lots scheduled to expire will expire in June 2004.**
4. For information on the Mk 123 Mod 0 (MT30) conventional ordnance deficiencies on the F-14D aircraft, see Table V.



## 3. Underseat Rocket Motor Mk 124 Mod 0 (rear)

- a. NSN: 1377-01-246-5281
- b. DODIC: MT31
- c. Service life: 180 months (15 years)
- d. Rocket motor WUC: 97D48
- e. One per F-14D and NF-14D aircraft (NFO).



Lot No.	Lot quantity	F-14D	Total units installed	Service-life expiration date
<b>MBA89F001-004</b>	<b>57</b>	<b>0</b>	<b>0</b>	<b>June 2004</b>
<b>MBA89F001-005</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>June 2004</b>
MBA90H001-006	68	13	13	August 2005
MBA90H001-007	36	0	0	August 2005
MBA90K001-008	91	12	12	October 2005
UPC90L001H001B	36	1	1	November 2005
MBA91J001-009	34	2	2	September 2006
UPC91K001H002A	29	2	2	October 2006
UPC91K001H003	6	0	0	October 2006
MBA92C001-010	27	0	0	March 2007
UPC93D002H004	62	1	1	April 2008
MBA93F002-011	104	8	8	June 2008
UPC94C003H005	142	1	1	March 2009
MBA95C003-012	165	6	6	March 2010
MBA96C003-013	71	0	0	March 2011
MBA97G003-014	70	2	2	July 2012
MBA98J003-017	66	0	0	September 2013
MBA99H003-019	84	0	0	August 2014
MBA01A003-020	76	0	0	January 2016
<b>MBA01E003-024</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>May 2016</b>
<b>MBA01F003-025</b>	<b>97</b>	<b>0</b>	<b>0</b>	<b>June 2016</b>
Total installed:		47		
Grand total installed:			47	

**ILS Notes:**

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
- 3. The next lots scheduled to expire will expire in June 2004.**
4. For information on the Mk 1224 Mod 0 (MT31) conventional ordnance deficiencies on the F-14D aircraft, see Table V.

**F-16A/B AIRCRAFT  
ACES II Seats  
General Dynamics**

1. Canopy Remover Rocket Motor (Right side)
  - a. NSN: 1377-01-057-5431
  - b. DODIC: ME80
  - c. Service life: 84 months (7 years)
  - d. Rocket motor WUC: 97CHO
  - e. One per F-16A/B.

Lot No.	Lot quantity	F-16A	F-16B	Total units installed	Service-life expiration date
UPC00D001-002	14	10	4	14	April 2007
Total installed:		10	4		
Grand total installed:				14	

***ILS Notes:***

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
3. The next lot scheduled to expire will expire in April 2007.
4. For information on the ME80 conventional ordnance deficiencies used on the F-16A/B aircraft, see Table V.

## 2. Canopy Remover Rocket Motor (Left side)

- a. NSN: 1377-01-058-5431
- b. DODIC: ME81
- c. Service life: 84 months (7 years)
- d. Rocket motor WUC: 97CGO
- e. One per F-16A/B.

<b>Lot No.</b>	<b>Lot quantity</b>	<b>F-16A</b>	<b>F-16B</b>	<b>Total units installed</b>	<b>Service-life expiration date</b>
OAC01D001-067	14	10	4	14	April 2007
Total installed:		10	4		
Grand total installed:				14	

***ILS Notes:***

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
3. The next lot scheduled to expire will expire in April 2007.
4. For information on the ME81 conventional ordnance deficiencies used on the F-16A/B aircraft, see Table V.

- 3. Rocket Catapult CKU-5/BA
  - a. NSN: 1377-01-169-7797
  - b. DODIC: MT47
  - c. Service life: 48 months (4 years)
  - d. Rocket motor WUC: 97EAM
  - e. One per F-16A, two per F-16B.

Lot No.	Lot quantity	F-16A	F-16B	Total units installed	Service-life expiration date
IHM01E001-024	14	10	4	14	May 2005
Total installed:		10	4		
Grand total installed:				14	

***ILS Notes:***

- 1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
- 2. No lots have expired since the last publication of this report.
- 3. The next lot scheduled to expire will expire in May 2005.
- 4. For information on the CKU-5/BA (MT47) conventional ordnance deficiencies on the F-16A/B aircraft, see Table V.

## 4. Rocket Divergence

- a. NSN: 1377-01-053-0587
- b. DODIC: MD99
- c. Service life: 204 months (17 years)
- d. Rocket motor WUC: 97EAJ
- e. One per F-16A, two per F-16B.

<b>Lot No.</b>	<b>Lot quantity</b>	<b>F-16A</b>	<b>F-16B</b>	<b>Total units installed</b>	<b>Service-life expiration date</b>
UPC90K001-058	14	10	8	18	July 2007
UPC96K001-024	5	0	0	0	October 2013
Total installed:		10	8		
Grand total installed:				18	

***ILS Notes:***

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
3. The next lot scheduled to expire will expire in July 2007.
4. For information on the MD99 conventional ordnance deficiencies used on the F-16A/B aircraft, see Table V.

5. Rocket Divergence

- a. NSN: 1377-01-255-1650
- b. DODIC: MT32
- c. Service life: 120 months (10 years)
- d. Rocket motor WUC: 97EAA
- e. One per F-16A, two per F-16B.

Lot No.	Lot quantity	F-16A	F-16B	Total units installed	Service-life expiration date
TAC01B001-032	2	1	1	2	February 2011
<b>TAC01L001-035</b>	12	10	2	12	November 2011
Total installed:		11	3		
Grand total installed:				14	

**ILS Notes:**

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
3. The next lot scheduled to expire will expire in February 2011.
4. For information on the MT32 conventional ordnance deficiencies used on the F-16A/B aircraft, see Table V.

## FA-18/A/B/C/D AIRCRAFT

### Martin-Baker SJU-5/A Ejection Seat F-18 and Rear Seat of F/A-18 B/D and SJU-6/A Ejection Seat (Front Seat of F/A-18 B/D)

#### 1. Rocket Motor Mk 100 Mod 0

- a. NSN: 1377-01-039-2927
- b. DODIC: MD68
- c. Service life: **216 months (18 years)**
- d. Rocket motor WUC: 97D38
- e. One per F/A-18 A/C and one per F/A-18 B/D (rear seat only).



Lot No.	Lot quantity	FA-18A	FA-18B	FA-18C	FA-18D	Total units installed	Service-life expiration date
<b>MBA86G001-012</b>	<b>57</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>July 2004</b>
<b>MBA86G001-013</b>	<b>47</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>8</b>	<b>July 2004</b>
<b>MBA86G001-015</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>July 2004</b>
<b>MBA86J001-016</b>	<b>56</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>September 2004</b>
<b>MBA86M001-017</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>2</b>	<b>9</b>	<b>December 2004</b>
<b>MBA86J001-018</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>5</b>	<b>September 2004</b>
<b>MBA86J001-020</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>September 2004</b>
MBA87K001-024	21	0	0	7	3	10	October 2005
MBA87K001-025	15	1	0	4	1	6	October 2005
MBA88B001-026	23	1	0	14	5	20	February 2006
MBA88G001-027	5	0	0	1	0	1	July 2006
MBA88B001-028	11	0	0	3	0	3	February 2006
MBA88G001-029	55	3	0	37	5	45	July 2006
MBA88G001-031	16	0	0	3	0	3	July 2006
MBA89A001-033	128	48	11	6	1	66	January 2007
MBA89B001-032	66	4	0	33	22	59	February 2007
MBA89F001-034	8	0	0	4	2	6	June 2007
MBA91B001-038	66	35	7	7	1	50	February 2009
MBA93C002-040	182	52	11	11	7	81	March 2011
MBA94C003-041	46	8	2	5	2	17	March 2012

Lot No.	Lot quantity	FA-18A	FA-18B	FA-18C	FA-18D	Total units installed	Service-life expiration date
MBA96L003-047	47	3	0	1	0	4	November 2014
MBA99M003-050	7	0	0	0	0	0	December 2017
Total installed:		181	33	155	53		
Grand total installed:						422	

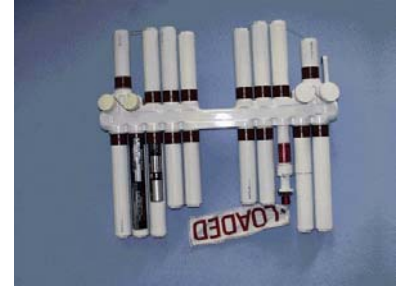
***ILS Notes:***

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
3. **The next lots scheduled to expire will expire in July 2004.**
4. **We have increased the service life on all lots from 204 months (17 years) to 216 months (18 years).**
5. For information on the Mk 100 Mod 0 (MD68) conventional ordnance deficiencies on the FA-18 aircraft, see Table V.



## 2. Rocket Motor Mk 101 Mod 0

- a. NSN: 1377-01-039-2928
- b. DODIC: MD69
- c. Service life: **216 months (18 years)**
- d. Rocket motor WUC: 97D3A
- e. One per F/A-18 (front seat only).



Lot No.	Lot quantity	FA-18B	FA-18D	Total units installed	Service-life expiration date
<b>MBA86G001-012</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>July 2004</b>
<b>MBA86G001-013</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>July 2004</b>
<b>MBA86J001-020</b>	<b>8</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>September 2004</b>
<b>MBA86M001-017</b>	<b>7</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>December 2004</b>
MBA87K001-024	2	0	2	2	October 2005
MBA87K001-025	3	0	2	2	October 2005
MBA88B001-026	7	0	6	6	February 2006
MBA88G001-029	8	0	6	6	July 2006
MBA89A001-033	25	4	3	7	January 2007
MBA89B001-032	30	4	16	20	February 2007
MBA91B001-038	17	9	3	12	February 2009
MBA93C002-040	23	4	1	5	March 2011
MBA94C003-041	33	8	8	16	March 2012
MBA96L003-047	47	0	0	0	November 2015
<b>MBA99M003-050</b>	15	0	0	0	December 2017
Total installed:		30	53		
Grand total installed:				83	

### ILS Notes:

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
3. **The next lots scheduled to expire will expire in July 2004.**
4. **We have increased the service life on all lots from 204 months (17 years) to 216 months (18 years).**
5. For information on the Mk 101 MOD 0 (MD69) conventional ordnance deficiencies on the F-18 aircraft, see Table V.

3. Rocket Motor Mk 109 Mod 0 and Mod 1

- a. NSN: 1377-01-101-1443 (Mod 0), 1377-01-454-9321 (Mod 1)
- b. DODIC: MF56 (Mod 0), SS67 (Mod 1)
- c. Service life: 132 months (11 years)
- d. Rocket motor WUC: 97D47
- e. Two per F/A-18
- f. For non-NACES FA-18 aircraft.



Lot No.	Lot quantity	FA-18A	FA-18B	FA-18C	FA-18D	Total units installed	Service-life expiration date
<b>UPC93J001-042</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>September 2004</b>
TAC94A002-001A	15	0	0	0	0	0	January 2005
UPC94D001-043	60	0	0	0	0	0	April 2005
UC95D001-044	29	0	0	0	0	0	April 2006
UPC95G001-045	27	0	0	0	0	0	July 2006
UPC95H001-046	25	0	0	0	0	0	August 2006
UPC95L001-047	20	0	0	0	0	0	November 2006
UPC96B001-048	48	10	2	28	8	48	February 2007
UPC96C001-049	8	0	0	0	0	0	March 2007
UPC96G001-050	195	34	2	47	28	111	July 2007
UPC96E001-051	18	0	0	0	0	0	May 2007
UPC97B001-053	4	0	0	0	0	0	February 2008
UPC97G001-054	7	0	0	0	0	0	July 2008
UPC97G001-055	6	0	0	0	0	0	July 2008
UPC98B001-056	54	0	0	0	0	0	February 2009
UPC99B001-057	12	0	0	0	0	0	February 2010
Total installed:		<b>44</b>	<b>4</b>	<b>75</b>	<b>36</b>	<b>159</b>	
<b>IH-98D001-001<sup>1</sup></b>	<b>57</b>	<b>10</b>	<b>4</b>	<b>19</b>	<b>11</b>	<b>44</b>	<b>April 2009</b>
<b>TAC99D001-002<sup>1</sup></b>	<b>250</b>	<b>100</b>	<b>10</b>	<b>34</b>	<b>20</b>	<b>164</b>	<b>April 2010</b>
<b>TAC00A001-003<sup>1</sup></b>	<b>273</b>	<b>36</b>	<b>7</b>	<b>47</b>	<b>6</b>	<b>96</b>	<b>January 2011</b>
<b>TAC01H001-005<sup>1</sup></b>	<b>109</b>	<b>4</b>	<b>9</b>	<b>5</b>	<b>6</b>	<b>24</b>	<b>August 2012</b>
<b>TAC01K001-006<sup>1</sup></b>	<b>60</b>	<b>32</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>37</b>	<b>October 2012</b>
<b>TAC01M001-007<sup>1</sup></b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>December 2012</b>
<b>UCO01F001-001</b>	<b>84</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>June 2012</b>
<b>TAC02K001-008<sup>1</sup></b>	<b>50</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>2</b>	<b>26</b>	<b>March 2013</b>
<b>TAC02M002-001<sup>1</sup></b>	<b>8</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>8</b>	<b>December 2013</b>
<b>TAC03M001-010</b>	<b>361</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>December 2014</b>
Installed: MOD 1		<b>196</b>	<b>38</b>	<b>122</b>	<b>47</b>	<b>403</b>	
Installed MOD 0		<b>44</b>	<b>4</b>	<b>75</b>	<b>36</b>	<b>159</b>	
Overall total:		<b>240</b>	<b>42</b>	<b>197</b>	<b>83</b>	<b>562</b>	

*ILS Notes:*

1. **NSWC/IHDIV has qualified and released a Mk 109 Mod 1 (SS67) Canopy Jettison Rocket Motor (CJRM). This new unit can be used in all applications in which the Mod 0 unit is currently used. The Mod 1 is a one-for-one exchange with the Mk 109 Mod 0 (MF56) unit. Mod 0 units will still be issued until stock is exhausted.**
2. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
3. **The following lots have expired since the last publication of this report:**

<b>UPC93A001-039</b>	<b>January 2004</b>
<b>UPC93C001-041</b>	<b>March 2004</b>
4. **The following lots will expire within the next six months:**

<b>UPC93J001-042</b>	<b>September 2004</b>
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5. For information on the Mk 109 Mod 0/1 (MF56/SS67) conventional ordnance deficiencies on the F-18 aircraft, see Table V.

**FA-18C/D/E/F AIRCRAFT**

**SJU-17/(V)2/A F/A-18D (Forward Seat) and SJU-17/(V)1/A F/A-18C/D (Aft Seat)**

1. Parachute Deployment Rocket Motor Mk 122 Mod 0

- a. NSN: 1377-01-246-5279
- b. DODIC: MT29
- c. Service life: 84 months (7 years), 120 months (10 years)
- d. Rocket motor WUC: 97D4A
- e. One per aircraft F/A-18C, E, two per aircraft F/A-18E, F (pilot and copilot).



Lot No.	Lot quantity	FA-18C	FA-18D	FA-18E	FA-18F	Total units installed	Service-life expiration date
<b>UPC97H003-005</b>	<b>192</b>	<b>30</b>	<b>23</b>	<b>9</b>	<b>11</b>	<b>73</b>	<b>August 2004</b>
MBA98J004-014	300	75	46	8	19	148	September 2008
MBA99J004-016	206	55	39	15	40	149	September 2009
MBA00F004-017	257	37	32	20	38	127	June 2010
UPC01E005-001	271	9	18	2	5	34	May 2011
UPC01E005-002	328	0	0	0	0	0	May 2011
Total installed:		206	158	54	113		
Grand total installed:						531	

**ILS Notes:**

- 1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
- 2. No lots have expired since the last publication of this report.
- 3. **The next lot scheduled to expire will expire in August 2004.**
- 4. For information on the Mk 122 Mod 0 (MT29) conventional ordnance deficiencies on the F-18 aircraft, see Table V.

## 2. Underseat Rocket Motor Mk 123 Mod 0

- a. NSN: 1377-01-246-5280
- b. DODIC: MT30
- c. Service life: 180 months (15 years)
- d. Rocket motor WUC: 97D4B
- e. One per F/A-18D and F aircraft (pilot).



Lot No.	Lot quantity	FA-18D	FA-18F	Total units installed	Service-life expiration date
<b>MBA89F001-003</b>	<b>31</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>June 2004</b>
<b>MBA89F001-005</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>June 2004</b>
MBA90H001-006	35	9	0	9	August 2005
MBA90H001-007	6	0	0	0	August 2005
MBA90K001-008	50	15	0	15	October 2005
UPC90L001H001B	17	1	0	1	November 2005
MBA91J001-009	21	6	0	6	September 2006
UPC91K001H002A	14	2	0	2	October 2006
MBA92C001-010	10	0	0	0	March 2007
UPC93E002H005	27	1	0	1	May 2008
MBA93F002-011	54	12	0	12	June 2008
UPC94B003H006	80	15	0	15	February 2009
MBA95C003-012	236	7	1	8	March 2010
MBA96C003-013	71	4	3	7	March 2011
MBA97G003-014	33	10	8	18	July 2012
MBA98J003-017	33	6	7	13	September 2013
MBA99H003-019	53	0	24	24	August 2014
MBA01A003-020	47	0	11	11	January 2016
MBA01E003-024	277	0	4	4	May 2016
MBA01F005-025	46	0	0	0	June 2016
Total installed:		91	66		
Grand total installed:				149	

**ILS Notes:**

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
3. **The next lots scheduled to expire will expire in June 2004.**
4. For information on the Mk 123 Mod 0 (MT30) conventional ordnance deficiencies on the F-18 aircraft, see Table V.

3. Underseat Rocket Motor Mk 124 Mod 0

- a. NSN: 1377-01-246-5281
- b. DODIC: MT31
- c. Service life: 180 months (15 years)
- d. Rocket motor WUC: 97D48
- e. One per F/A-18D, and F aircraft (copilot), one per F/A-18C, E aircraft (pilot).



Lot No.	Lot quantity	FA-18C	FA-18D	FA-18E	FA-18F	Total units installed	Service-life expiration Date
<b>MBA89F001-004</b>	<b>57</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>June 2004</b>
<b>MBA89F001-005</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>June 2004</b>
MBA90H001-006	68	16	9	0	0	25	August 2005
MBA90H001-007	36	8	7	0	0	15	August 2005
MBA90K001-008	91	19	7	0	0	26	October 2005
UPC90L001H001B	36	1	2	0	0	3	November 2005
MBA91J001-009	34	11	8	0	0	19	September 2006
UPC91K001H002A	29	2	2	0	0	4	October 2006
UPC91K001H003	6	0	0	0	0	0	October 2006
MBA92C001-010	27	8	2	0	0	10	March 2007
UPC93D002H004	62	4	2	0	0	6	April 2007
MBA93F002-011	104	57	7	1	1	66	June 2008
UPC94C002H005	142	23	14	0	0	37	March 2009
MBA95C003-012	165	76	8	4	1	89	March 2010
MBA96C003-013	71	6	5	0	1	12	March 2011
MBA97G003-014	70	10	12	11	13	46	July 2012
MBA98J003-017	66	3	5	7	9	24	September 2013
MBA99H003-019	84	1	0	23	19	43	August 2014
MBA01A003-020	76	0	0	8	14	22	January 2016
MBA01E03-024	2	0	0	0	0	0	May 2016
MBA01F003-025	97	0	0	0	0	0	June 2016
Total installed:		248	92	54	58		
Grand total installed:						452	

**ILS Notes:**

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
3. **The next lots scheduled to expire will expire in June 2004.**
4. For information on the Mk 124 Mod 0 (MT31) conventional ordnance deficiencies on the F-18 aircraft, see Table V.

## 4. Rocket Motor Mk 109 Mod 0 and Mod 1

- a. NSN: 1377-01-101-1443 (Mod 0), 1377-01-454-9321 (Mod 1)
- b. DODIC: MF56 (Mod 0), SS67 (Mod 1)
- c. Service life: 132 months (11 years)
- d. Rocket motor WUC: 97D47
- e. Two per F/A-18
- f. For NACES FA-18 Aircraft.



Lot No.	Lot quantity	FA-18C	FA-18D	FA-18E	FA-18F	Total units installed	Service-life expiration date
UPC93J001-042	25	24	1	0	0	25	September 2004
TAC94A002-001A	15	1	1	0	0	2	January 2005
UPC94D001-043	60	34	20	3	0	57	April 2005
UPC95D001-044	29	26	0	3	0	29	April 2006
UPC95G001-045	27	25	0	1	1	27	July 2006
UPC95H001-046	25	22	0	2	1	25	August 2006
UPC95L001-047	20	20	0	0	0	20	November 2006
UPC96B001-048	48	0	0	0	0	0	February 2007
UPC96C001-049	8	5	0	1	2	8	March 2007
UPC96G001-050	195	7	0	28	32	67	July 2007
UPC96E001-051	18	16	0	0	0	16	May 2007
UPC97B001-053	18	10	5	2	0	17	February 2008
UPC97G001-054	14	5	9	0	0	14	July 2008
UPC97G001-055	6	4	0	0	0	4	July 2008
UPC98B001-056	54	2	18	18	16	54	February 2009
UPC99B001-057	57	0	10	10	12	32	April 2010
Total installed:		<b>201</b>	<b>64</b>	<b>68</b>	<b>64</b>	<b>397</b>	
<b>IH-98D001-001<sup>1</sup></b>	<b>57</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>April 2009</b>
<b>TAC99D001-002<sup>1</sup></b>	<b>250</b>	<b>28</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>70</b>	<b>April 2010</b>
<b>TAC00A001-003<sup>1</sup></b>	<b>273</b>	<b>64</b>	<b>18</b>	<b>22</b>	<b>26</b>	<b>130</b>	<b>January 2011</b>
<b>TAC01H001-005<sup>1</sup></b>	<b>109</b>	<b>46</b>	<b>12</b>	<b>2</b>	<b>6</b>	<b>66</b>	<b>August 2012</b>
<b>TAC01K001-006<sup>1</sup></b>	<b>60</b>	<b>21</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>29</b>	<b>October 2012</b>
<b>TAC01M001-007<sup>1</sup></b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>December 2012</b>
<b>TAC02K001-008<sup>1</sup></b>	<b>50</b>	<b>3</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>March 2013</b>
<b>TAC02M001-001<sup>1</sup></b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>December 2013</b>
<b>TAC03M001-010</b>	<b>361</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>December 2014</b>
<b>Installed: MOD 1</b>		<b>166</b>	<b>58</b>	<b>40</b>	<b>48</b>	<b>312</b>	
<b>Installed: MOD 0</b>		<b>201</b>	<b>64</b>	<b>68</b>	<b>64</b>	<b>397</b>	
<b>Overall total:</b>						<b>709</b>	

*ILS Notes:*

1. **NSWC/IHDIV has qualified and released a Mk 109 Mod 1 (SS67) Canopy Jettison Rocket Motor. This new unit can be used in all applications in which the Mod 0 unit is currently used. The Mod 1 is a one-for-one exchange with the Mk 109 Mod 0 (MF56) unit. Mod 0 units will still be issued until stock is exhausted.**
2. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
3. **The following lots have expired since the last publication of this report:**

<b>UPC93A001-039</b>	<b>January 2004</b>
<b>UPC93C001-041</b>	<b>March 2004</b>
4. **The following lots will expire within the next six months:**

<b>UPC93J001-042</b>	<b>September 2004</b>
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5. For information on the Mk 109 Mod 0/1 (MF56/SS67) conventional ordnance deficiencies on the F-18 aircraft, see Table V.



## OV-10A AIRCRAFT

### North American LW-3B Ejection Seats

1. Rocket Catapult Mk 12 Mod 1
  - a. NSN: 1377-00-276-2364
  - b. DODIC: MC77
  - c. Service life: 120 months (10 years)
  - d. Rocket motor WUC: 97D3D
  - e. Two per aircraft.



Lot No.	Lot quantity	OV-10A	Total units installed	Service-life expiration date
IH-96K001-007	10	6	6	October 2006
IH00C002-009	14	10	10	March 2010
IHM02B002-020	21	4	4	February 2012
Total installed:		20		
Grand total installed:			20	

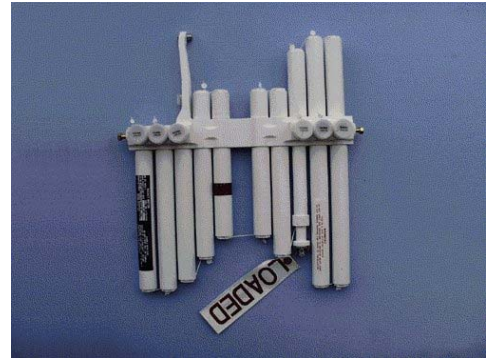
***ILS Notes:***

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
3. The next lot scheduled to expire will expire in October 2006.
4. For information on the Mk 12 Mod 1 (MC77) conventional ordnance deficiencies on the OV-10 aircraft, see Table V.

**QF-4N/S SERIES AIRCRAFT**

**Martin-Baker Mk H-7 Ejection Seats**

- 1. Underseat Rocket Motor Mk 92 Mod 1
  - a. NSN: 1377-01-036-8514
  - b. DODIC: M933
  - c. Service life: 192 months (16 years)
  - d. Rocket motor WUC: 97D3R
  - e. Two per aircraft (pilot and RIO).



Lot No.	Lot quantity	QF-4N	QF-4S	Total units installed	Service-life expiration date
<b>IH-88J001-005</b>	<b>306</b>	<b>5</b>	<b>43</b>	<b>48</b>	<b>September 2004</b>
Total installed:		5	43		
Grand total installed:				48	

**ILS Notes:**

- 1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
- 2. No lots have expired since the last publication of this report.
- 3. The next lot scheduled to expire will expire in September 2004.**
- 4. For the information on the Mk 92 Mod 1 (M933) conventional ordnance deficiencies on the QF-4 aircraft, see Table V.

## S-3B AIRCRAFT

### Douglas ESCAPAC 1E-1 Ejection Seats

1. Rocket Catapult Mk 16 Mod 1

- a. NSN: 1377-01-040-9324
- b. DODIC: MD 72
- c. Service life: 156 months (13 years)
- d. Rocket motor WUC: 97D44
- e. Four per aircraft.



Lot No.	Lot quantity	S-3B	Total units installed	Service-life expiration date
UPC93B004-031	14	7	7	February 2006
UPC97B001-032	7	1	1	February 2010
UPC99J001-034	173	151	151	September 2012
UPC99L001-035	183	127	127	November 2012
UPC02C001-036	193	16	16	March 2015
UPC03B001-037	151	0	0	February 2016
Total installed:		302		
Grand total installed:			302	

***ILS Notes:***

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
3. The next lot scheduled to expire will expire in February 2006.
4. For information on the Mk 16 Mod 1 (MD72) conventional ordnance deficiencies on the S-3B aircraft, see Table V.

2. Rocket Motor Mk 82 Mod 0/1 (Man/Seat Separator, Left)

- a. NSN: Mod 0 1377-00-119-2022/Mod 1 1377-01-412-6530
- b. DODIC: M928/MU76
- c. Service life: Mod 0: 192 months (16 years); Mod 1: 84 months (7 years)
- d. Rocket motor WUC: Mod 0 97D11/Mod 1 97D12
- e. Two per aircraft (copilot/TACCO).



Lot No.	Lot quantity	S-3B	Total Units Installed	Service-life expiration date
UPC93B001-021	391	181	181	February 2009
UPC94C001-022	25	14	14	March 2010
<b>UPC99F001-003A<sup>1</sup></b>	<b>10</b>	<b>6</b>	<b>6</b>	<b>June 2006</b>
<b>UPC00E001-004<sup>1</sup></b>	<b>90</b>	<b>10</b>	<b>10</b>	<b>May 2007</b>
<b>IHM00B002-006<sup>1</sup></b>	<b>14</b>	<b>2</b>	<b>2</b>	<b>February 2007</b>
Total installed:		213		
Grand total installed:			213	

**ILS Notes:**

- 1. These lots of Mk 82 Mod 1 Man/Seat Separator Rocket Motors can be used in all applications in which the Mod 0 unit is currently being used. The Mod 1 is a one-for-one exchange with the Mk 82 Mod 0 (M928) unit. Mod 0 units will still be issued until stock is exhausted.**
2. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
- 3. Indian Head has changed its manufacturer's identification symbol from IH to IHM.**
4. No lots have expired since the last publication of this report.
5. The next lot scheduled to expire will expire in June 2006.
6. For information on the Mk 82 Mod 0 (M928) conventional ordnance deficiencies on the S-3B aircraft, see Table V.

## 3. Rocket Motor Mk 90 Mod 0/1 (Man/Seat Separator, Right)

- a. NSN: Mod 0 1377-00-201-9554/Mod 1 1377-01-412-6462
- b. DODIC: MC51/MU75
- c. Service life: Mod 0: 192 months (16 years); Mod 1: 84 months (7 years)
- d. Rocket motor WUC: Mod 0 97D3Q/Mod 1 97D3S
- e. Two per aircraft (Pilot/SENSO).



Lot No.	Lot quantity	S-3B	Total units installed	Service-life expiration date
IH-99H001-005 <sup>1</sup>	106	99	99	August 2006
IHM00B002-006 <sup>1,2</sup>	110	48	48	February 2007
UPC00E001-002 <sup>1</sup>	22	22	22	May 2007
Total installed:		169		
Grand total installed:			169	

**ILS Notes:**

1. **These lots of Mk 90 Mod 1 Man/Seat Separator Rocket Motors can be used in all applications in which the Mod 0 unit is currently being used. The Mod 1 is a one-for-one exchange with the Mk 90 Mod 0 (MU75) unit. Mod 0 units will still be issued until stock is exhausted.**
2. **Indian Head has changed its manufacturer's identification symbol from IH to IHM.**
3. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
4. No lots have expired since the last publication of this report.
5. The next lot scheduled to expire will expire in August 2006.
6. For information on the Mk 90 Mod 0/1 (MC51/MU75) conventional ordnance deficiencies on the S-3B aircraft, see Table V.



## 5. Rocket Motor Mk 84 Mod 2 (Vernier)

- a. NSN: 1377-01-199-8315
- b. DODIC: MF57
- c. Service life: 156 months (13 years)
- d. Rocket motor WUC: 97D3L
- e. Four per aircraft.



Lot No.	Lot quantity	S-3B	Total units installed	Service-life expiration Date
TAC93L001-006A	107	72	72	November 2006
TAC95J001-007A	86	83	83	September 2008
TAC96H001-001A	286	217	217	August 2009
TAC00K001-008	96	20	20	October 2013
TAC01G001-009	96	0	0	July 2014
Total installed:		392		
Grand total installed:			392	

**ILS Notes:**

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
3. The next lot scheduled to expire will expire in November 2006.
4. We have not received any information on Mk 84 Mod 2 (MF57) conventional ordnance deficiencies on the S-3B aircraft.

6. Rocket Motor Mk 85 Mod 0 (High Yaw Thruster)

- a. NSN: 1377-00-119-2045
- b. DODIC: M932
- c. Service life: 84 months (7 years)
- d. Rocket motor WUC: 97D43
- e. Two per aircraft (SENSO/TACCO).



Lot No.	Lot quantity	S-3B	Total units installed	Service-life expiration date
ESD99M001-001 <sup>1</sup>	121	81	81	December 2006
ESD00K001-002 <sup>1</sup>	121	53	53	December 2006
ESD01F001-003A <sup>1</sup>	131	38	38	June 2008
UPC02L002-016	89	12	12	November 2009
Total installed:		78		
Grand total installed:			78	

*ILS Notes:*

1. **We have qualified Pacific Scientific (ESD) as a manufacturer.**
2. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
3. **The following lots have expired since the last publication of this report:**  

**UPC97D002-015      April 2004**
4. No lots have expired since the last publication of this report.
5. The next lot scheduled to expire will expire in December 2006.
6. For information on Mk 85 Mod 0 (M932) conventional ordnance deficiencies on the S-3B aircraft, see Table V.



## T-2C SERIES AIRCRAFT

### North American LS-1A Ejection Seats

1. Rocket Catapult Mk 18 Mod 0

- a. NSN: 1377-00-250-0206
- b. DODIC: M941
- c. Service life: 120 months (10 years)
- d. Two per aircraft
- e. Rocket motor WUC: 97D1F
- f. This device also can be utilized in the LS-1 configuration seat, if installed in pairs.



Lot No.	Lot quantity	T-2C	Total units installed	Service-life expiration Date
IH-95C001-015	144	118	118	March 2005
IH-96K001-016	56	47	47	October 2006
IH-96K001-017	27	2	2	October 2006
IH-99F002-018	46	2	2	June 2009
IH-00C002-019	31	4	4	March 2012
<b>IHM02B002-020</b>	12	0	0	February 2012
Total installed:		174		
Grand total installed:			174	

***ILS Notes:***

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
3. The next lot scheduled to expire will expire in March 2005.
4. For information on Mk 18 Mod 0 (M941) conventional ordnance deficiencies on the T-2C aircraft, see Table V.

**T-45A/C AIRCRAFT**  
**SJU-17/(V)5/A (Forward Seat)**  
**SJU-17/(V)6/A (Aft Seat)**

1. Parachute Deployment Rocket Motor Mk 122 Mod 0
  - a. NSN: 1377-01-246-5279
  - b. DODIC: MT29
  - c. Service life: 84 months (7 years), 120 months (10 years)
  - d. Rocket motor WUC: 97D4A
  - e. Two per aircraft.



Lot No.	Lot quantity	T-45A	T-45C	Total units installed	Service-life expiration date
<b>UPC97H003-005</b>	<b>192</b>	<b>20</b>	<b>18</b>	<b>38</b>	<b>August 2004</b>
MBA98J004-014	300	49	33	82	September 2008
MBA99J004-016	206	15	29	44	September 2009
MBA00F004-017	257	19	45	64	June 2010
UPC01E005-001	271	23	17	40	May 2011
UPC01E005-002	328	0	0	0	May 2011
Total installed:		126	142		
Grand total installed:				268	

**ILS Notes:**

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
- 3. The next lot scheduled to expire will expire in August 2004.**
4. For information on Mk 122 Mod 0 (MT29) conventional ordnance deficiencies on the T-45 aircraft, see Table V.

## 2. Underseat Rocket Motor Mk 123 Mod 0

- a. NSN: 1377-01-246-5280
- b. DODIC: MT30
- c. Service life: 180 months (15 years)
- d. Rocket motor WUC: 97D4B
- e. One per aircraft (Pilot seat).



Lot No.	Lot quantity	T-45A	T-45C	Total units installed	Service-life expiration Date
<b>MBA89F001-003</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>June 2004</b>
<b>MBA89F001-005</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>June 2004</b>
MBA90H001-006	35	3	0	3	August 2005
MBA90H001-007	6	1	0	1	August 2005
MBA90K001-008	50	5	0	5	October 2005
UPC90L001H001B	17	3	0	3	November 2005
MBA91J001-009	21	1	0	1	September 2006
UPC91K001H002A	14	1	0	1	October 2006
MBA92C001-010	10	5	0	5	March 2007
UPC93E002H005	27	1	0	1	May 2008
MBA93F002-011	54	29	4	33	June 2008
UPC94B003H006	80	18	3	21	February 2009
MBA95C003-012	236	6	7	13	March 2010
MBA96C003-013	71	0	7	7	March 2011
MBA97G003-014	33	0	14	14	July 2012
MBA98J003-017	33	0	9	9	September 2013
MBA99H003-019	53	0	18	18	September 2014
MBA01A003-020	47	0	14	14	January 2016
MBA01E003-024	277	0	1	1	May 2016
MBA01F003-025	46	0	0	0	June 2016
Total installed:		73	77		
Grand total installed:				150	

**ILS Notes:**

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
- 3. The next lots scheduled to expire will expire in June 2004.**
4. For information on Mk 123 Mod 0 (MT30) conventional ordnance deficiencies on the T-45 aircraft, see Table V.

3. Underseat Rocket Motor Mk 124 Mod 0

- a. NSN: 1377-01-246-5281
- b. DODIC: MT31
- c. Service life: 180 months (15 years)
- d. Rocket motor WUC: 97D48
- e. One per aircraft (Aft seat).



Lot No.	Lot quantity	T-45A	T-45C	Total units installed	Service-life expiration date
<b>MBA89F001-004</b>	<b>57</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>June 2004</b>
<b>MBA89F001-005</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>September 2004</b>
MBA90H001-006	68	3	0	3	August 2005
MBA90H001-007	36	0	0	0	August 2005
MBA90K001-008	91	4	0	4	October 2005
UPC90L001H001B	36	2	0	2	November 2005
MBA91J001-009	34	4	0	4	September 2006
UPC91K001H002A	29	2	0	2	October 2006
UPC91K001H003	6	0	0	0	October 2006
MBA92C001-010	27	5	0	5	March 2007
UPC93D002H004	62	2	0	2	April 2008
MBA93F002-011	104	20	0	20	June 2008
UPC94C003H005	142	20	5	25	March 2009
MBA95C003-012	165	4	4	8	March 2010
MBA96C003-013	71	1	7	8	March 2011
MBA97G003-014	70	5	16	21	July 2012
MBA98J003-017	66	0	16	16	September 2013
MBA99H003-019	84	0	16	16	August 2014
MBA01A003-020	76	0	11	11	January 2016
<b>MBA01E003-024</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>May 2016</b>
<b>MBA01F003-025</b>	<b>97</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>June 2016</b>
Total installed:		71	76		
Grand total installed:				147	

**ILS Notes:**

1. Quantity per lot reported installed in CAD/PAD Traceability System (CATS).
2. No lots have expired since the last publication of this report.
3. **The next lot scheduled to expire will expire in June 2004.**
4. We have not received any information on Mk 124 Mod 0 (MT31) conventional ordnance deficiencies on the T-45 aircraft.

## PAD SUMMARY

The following section summarizes the service life, identification data, and total installed assets for each PAD device. Table I contains the PAD device, service life, and operating temperature range. Table I is based on the information current in NAVAIR 11-100-1.1-CD at the time this report was printed; NAVAIR 11-100-1.1-CD is the official source for the service life of PAD devices. Table II identifies each PAD device by DODIC, propellant type, explosive weight, manufacturer, NAVAIR part number, applicable specification (procurement description), applicable aircraft, and aircraft manufacturer. Table III presents the total installed assets for the PAD devices, and Table IV provides this information by lot numbers. Table V lists the PAD conventional ordnance discrepancy reports and explosive mishap report histories we have received in the last 12 months.

**Table I. Service-Life Listing<sup>a</sup>**  
[As of 30 June 2004]

Device	Service life (mo)	Operating range (°F)
<b>Rocket Catapult</b>		
Mk 12 Mod 1	120	-40 to 165
Mk 16 Mod 1	156	-40 to 160
Mk 18 Mod 0	120	-40 to 165
CKU-5	48	-40 to 165
CKU-7A	120	-40 to 160
<b>Man/Seat Separators</b>		
Mk 82 Mod 0	192	-40 to 160
Mk 82 Mod 1	84	-40 to 160
Mk 90 Mod 1	84	-40 to 160
<b>Yaw Thrusters</b>		
Mk 83 Mod 0	84	-40 to 160
Mk 85 Mod 0	84	-40 to 160
<b>Vernier Rocket</b>		
Mk 84 Mod 2	156	-40 to 160
P/N 50436-11	120	-40 to 160
<b>Seatback Rocket</b>		
Mk 79 Mod 1	132	-40 to 160
Mk 79 Mod 2	132	-40 to 160
<b>WORD/Drogue Release Assembly</b>		
Mk 113 Mod 0	96	-40 to 160
<b>Catapult Cartridge</b>		
Mk 205 Mod 2	96	-65 to 165

See footnote at end of table.

**Table I—Continued**

Device	Service life (mo)	Operating range (°F)
<b>Underseat Rocket Motor</b>		
Mk 74/75 Mod 0	240	-40 to 160
Mk 74/75 Mod 1	240	-40 to 160
Mk 86/87/88 Mod 0	240	-40 to 160
Mk 86/87/88 Mod 1	240	-40 to 160
Mk 92 Mod 1	192	-40 to 160
<b>Mk 100 Mod 0</b>	<b>204</b>	<b>-40 to 160</b>
<b>Mk 101 Mod 0</b>	<b>204</b>	<b>-40 to 160</b>
Mk 123 Mod 0	180	-65 to 165
Mk 124 Mod 0	180	-65 to 165
<b>Canopy Remover Rocket Motor</b>		
Mk 109 Mod 0	132	-65 to 165
Mk 109 Mod 1	132	-65 to 165
P/N J114716-1 (RS)	84	-65 to 200
P/N J114716-501 (LS)	84	-65 to 200
<b>Rocket Motor Divergence</b>		
Mk 121 Mod 0	84	-40 to 160
P/N 1143-3	204	-40 to 160
<b>Parachute Deployment Rocket Motor</b>		
Mk 122 Mod 0	84	-65 to 165

<sup>a</sup>Official listing maintained in NAVAIR 11-100-1.1-CD.

**Table II. Propellant-Actuated Devices Summary**  
*[As of 30 June 2004]*

Device	DODIC	Propellant type	Explosive weight (lb)	Manufacturer	Part number	Specification	Aircraft	Aircraft manufacturer
<b>Rocket Catapults (Navy)</b>								
Mk 12 Mod 1	MC77	CTPB	5.00	Indian Head	NAVAIR 709AS100 P/N 31276	MIL-DTL-85097/9A(AS)	OV-10A	Rockwell International Corp.
Mk 16 Mod 1	MD72	CTPB	7.00	Indian Head UPCO	NAVAIR 736AS300 (1000-6)	MIL-DTL-85097/1B	S-3A, TA-4J	Lockheed California Corp. McDonnell Douglas
Mk 18 Mod 0	M941	CTPB	5.00	Indian Head	NAVAIR 707AS100	MIL-DTL-85097/12(AS)	T-2	Rockwell International Corp.
<b>Rocket Catapults (Air Force)</b>								
CKU-7A	MS15	CTPB	6.40	Indian Head UPCO	F11820361	MIL-C-48568	F-5E F-5F T-38	Northrop Corp.
CKU-5B/A	MT47	CTBP	7.00	Indian Head UPCO	5184322	MIL-C-82734A	F-16A/B	General Dynamics
<b>Rocket Motors</b>								
Mk 74 Mod 0 (Pilot)	M572	Double Base	6.40	Martin-Baker UPCO	NAVAIR 4904093 (MB-300-1205)	MIL-A-85097/8B(AS)	F-14A F-14B NF-14A NF-14B	Grumman Aerospace Corp.
Mk 74 Mod 1 (Pilot)	M572	Double Base	6.40	Indian Head	759AS130	MIL-A-85097/8B(AS)	F-14A/B	Grumman Aerospace Corp.
Mk 75 Mod 0 (NFO)	M573	Double Base	6.40	Martin-Baker UPCO	NAVAIR 4904094 (MB-300-1206)	MIL-A-85097/8B(AS)	F-14A/B	Grumman Aerospace Corp.
Mk 75 Mod 1 (NFO)	M573	Double Base	6.40	Indian Head	759AS140	MIL-A-85097/8B(AS)	F-14	Grumman Aerospace Corp.
Mk 79 Mod 1 (SBR)	MF21	CTPB CTPB	2.70	Indian Head Talley	NAVAIR 672AS200 P/N 50579-5	MIL-A-85097/3C(AS)	AV-8B NAV-8B TAV-8B	Hawker-Siddeley/ McDonnell
Mk 79 Mod 2 (SBR)	MF21	HTPB HTPB	2.70	Indian Head Talley	NAVAIR 672AS200 P/N 50579-7	MIL-A-85097/3C(AS)	AV-8B NAV-8B TAV-8B	Hawker-Siddeley/ McDonnell
Mk 82 Mod 0 (Man/Seat Separator, Left)	M928	CTPB	0.60	UPCO	NAVAIR 944AS100 1033-2 (UPC)	MIL-DTL-85097/5B(OS)	S-3B	Lockheed California Corp.
Mk 82 MOD 1	MU&^							
Mk 83 Mod 0 (Low Yaw Thruster)	M929	CTPB	0.05	UPCO Pacific Scientific	NAVAIR 946AS100 1105-1 (UPC)	MIL-DTL-85097/6A (AS)	S-3B ES-3A	Lockheed California Corp.
Mk 84 Mod 2 (Vernier Rocket)	MF57	CTPB	1.12	Talley UPCO	NAVAIR 503AS200 (50436-9) (1340-2)	MIL-DTL-85097/7D(OS)	S-3B ES-3A	Lockheed California Corp.
Mk 85 Mod 0 (High Yaw Thruster)	M932	CTPB	0.10	UPCO Pacific Scientific	NAVAIR 989AS100 1136-1 (UPC)	MIL-DTL-85097/6A(AS)	S-3B ES-3A	Lockheed California Corp.
Mk 86 Mod 0 (Pilot/ECMO-3)	M938	Double Base	6.40	Martin-Baker UPCO	NAVAIR 4904171 (MB-200-610)	MIL-A-85097/8B(AS)	EA-6B	Grumman Aerospace Corp.
Mk 86 Mod 1 (Pilot/ECMO-3)	M938	Double Base	6.40	Indian Head	759AS170	MIL-A-85097/8B(AS)	EA-6B	Grumman Aerospace Corp.
Mk 87 Mod 0 (ECMO-1)	M939	Double Base	6.40	Martin-Baker UPCO	NAVAIR 4904172 (MB-200-612)	MIL-A-85097/8B(AS)	EA-6B	Grumman Aerospace Corp.
Mk 87 Mod 1 (ECMO-1)	M939	Double Base	6.40	Indian Head	759AS180	MIL-A-85097/8B(AS)	EA-6B	Grumman Aerospace Corp.

Table II—Continued

Device	DODIC	Propellant type	Explosive weight (lb)	Manufacturer	Part number	Specification	Aircraft	Aircraft manufacturer
Mk 88 Mod 0 (ECMO-2)	M940	Double Base	6.40	Martin-Baker UPCO	NAVAIR 4904173 (MB-200-614)	MIL-A-85097/8B(AS)	EA-6B	Grumman Aerospace Corp.
Mk 88 Mod 1 (ECMO-2)	M940	Double Base	6.40	Indian Head	759190	MIL-A-85097/8B(AS)	EA-6B	Grumman Aerospace Corp.
Mk 90 Mod 1	MU75	CTPB	0.60	Indian Head	NAVAIR 970AS201	MIL-DTL-85097/5B(OS)	S-3B ES-3A	Lockheed California Corp.
Mk 92 Mod 1	M933	Double Base	6.20	Indian Head	NAVAIR 1175AS100	MIL-A-85097/8B(AS)	QF-4N	McDonnell Douglas
Mk 100 Mod 0	MD68	Double Base	6.60	Martin-Baker	MBEU-69025-2 NAVAIR 1176AS200	MIL-A-85097/8B	FA-18A FA-18B FA-18C FA-18D	McDonnell Douglas
Mk 101 Mod 0	MD69	Double Base	6.60	Martin-Baker	MBEU-69028-2 NAVAIR 1176AS300	MIL-A-85097/8B	FA-18B FA-18D	McDonnell Douglas
Mk 109 Mod 0	MF56	CTPB	1.0	Indian Head Talley UPCO	P/N-50656-5 NAVAIR 1507AS100	MIL-DTL-85097/13C (OS)	FA-18A FA-18B FA-18C FA-18D FA-18E FA-18F	McDonnell Douglas (Boeing)
Mk 109 Mod 1	SS67	HTPB	1.0	Indian Head UPCO	1507AS201	MIL-DTL-85097/13A(OS)	FA-18A FA-18B FA-18C FA-18D FA-18E FA-18F	McDonnell Douglas (Boeing)
Mk 113 Mod 1	MG67	CTPB HTPB	0.288	UPCO Talley	NAVAIR 673AS200 P/N 50885-1	MIL-DTL-85097/11D(OS)	AV-8B TAV-8B	Hawker-Siddeley/ McDonnell Douglas
Mk 121 Mod 0 (Divergence)	MT28	CTPB	0.22	UPCO Pacific Scientific	P/N 1163-3 (UPC) NAVAIR 673AS300 2-102370-2 (Pac Sci)	MIL-A-85097/15	TAV-8B	McDonnell Douglas
Mk 122 Mod 0	MT29	Double Base	0.5	Martin-Baker UPCO	MBEU-146190	MIL-A-85097/16	FA-18C FA-18D, FA-18E FA-18F T-45 A T-45C F-14 D	McDonnell Douglas  British Aerospace/ McDonnell Douglas Grumman Aerospace Corp.
Mk 123 Mod 0	MT30	Double Base	6.8	Martin-Baker UPCO	MBEU-142801	MIL-A-85097/17	FA-18C FA-18D FA-18F T-45A T-45C F-14D	McDonnell Douglas  Grumman Aerospace Corp.
Mk 124 Mod 0	MT31	Double Base	6.8	Martin-Baker UPCO	MBEU-142802	MIL-A-85097/17	FA-18C FA-18D FA-18E FA-18F T-45 A T-45C F-14 D	McDonnell Douglas  British Aerospace/ McDonnell Douglas Grumman Aerospace Corp.
Mk 205 Mod 2	XW36	CTPB HTPB	0.25	Talley	NAVAIR 772AS400 P/N 5913-5	MIL-DTL-85097/2E	AV-8B TAV-8B	Hawker-Siddeley/ McDonnell Douglas
P/N 2820100-1 (Canopy Remover, Right)	ME80	CTPB	.07	Ordnance Engineering Assoc. Inc	2820100-1	-	F-16A/B	General Dynamics



**Table II—Continued**

Device	DODIC	Propellant type	Explosive weight (lb)	Manufacturer	Part number	Specification	Aircraft	Aircraft manufacturer
P/N 2820100-2 (Canopy Remover, Left)	ME81	CTPB	.07	Ordnance Engineering Assoc. Inc.	2820100-2	—	F-16A/B	General Dynamics
P/N 1143-3 (Divergence)	MD99	CTPB	.01	UPCO	P/N 1143-3	—	F-16A/B	General Dynamics
P/N 50436-11 (Vernier Rocket )	MT32	CTPB	1.1	Talley Inc.	P/N 50436-11	—	F-16A/B	General Dynamics

**Table III. Total Installed Assets***[As of 30 June 2004]*

PAD device	DODIC	Aircraft	Quantity installed (ea)	Total quantity installed (ea)
Mk 12 Mod 1	MC77	OV-10	20	20
Mk 16 Mod 1	MD72	S-3B	302	302
Mk 18 Mod 0	M941	T-2C	174	174
CKU-5B/A	MT47	F-16A	10	14
		F-16B	4	
Mk 74 Mod 0	M572	F-14A	20	67
Mk 74 Mod 1	M572	F-14B	47	
		F-14A	15	24
		F-14B	9	
Mk 75 Mod 0	M573	F-14A	24	68
Mk 75 Mod 1	M573	F-14B	44	
		F-14A	11	20
		F-14B	9	
Mk 82 Mod 0	M928	S-3B	195	195
MK 82 Mod 1	MU76	S-3B	18	195
				18
Mk 83 Mod 0	M929	S-3B	199	199
Mk 85 Mod 0	M932	S-3B	184	184
Mk 92 Mod 1	M933	QF-4N	5	48
		QF-4S	43	
Mk 86 Mod 0	M938	EA-6B	192	192
Mk 86 Mod 1	M938	EA-6B	43	43
				235
Mk 87 Mod 0	M939	EA-6B	98	98
Mk 87 Mod 1	M939	EA-6B	5	5
				103
Mk 88 Mod 0	M940	EA-6B	86	86
Mk 88 Mod 1	M940	EA-6B	33	33
				119
Mk 90 Mod 1	MU75	S-3B	159	159
	MU75			159

**Table III—Continued**

PAD device	DODIC	Aircraft	Quantity installed (ea)	Total quantity installed (ea)
Mk 100 Mod 0	MD68	FA-18A	181	422
		FA-18B	33	
		FA-18C	155	
		FA-18D	53	
Mk 101 Mod 0	MD69	FA-18B	30	83
		FA-18D	53	
Mk 79 Mod 1	MF21	AV-8B	242	290
		NAV-8B	2	
		TAV-8B	48	
Mk 109 Mod 0 Non-NACES	MF56	FA-18A	44	159
		FA-18B	4	
		FA-18C	75	
		FA-18D	36	
Mk 109 Mod 1 Non-NACES	SS67	FA-18A	196	403 562
		FA-18B	42	
		FA-18C	197	
		FA-18D	83	
MK 109 Mod 0 NACES	MF56	FA-18C	201	397
		FA-18D	64	
		FA-18E	68	
		FA-18F	64	
Mk 109 Mod 1 NACES	SS67	FA-18C	166	397 709 1,271
		FA-18D	64	
		FA-18E	68	
		FA-18F	64	
Mk 84 Mod 2	MF57	S-3B	392	392
P/N J114716-1	ME80	F-16A	10	14
		F-16B	4	
P/N J114716-502	ME81	F-16A	10	14
		F-16B	4	
P/N 50436-11	MT32	F-16A	11	14
		F-16B	3	
P/N 1143-3	MD99	F-16A	10	14
		F-16B	4	

**Table III—Continued**

PAD device	DODIC	Aircraft	Quantity installed (ea)	Total quantity installed (ea)
Mk 113 Mod 1	MG67	AV-8B	131	156
		NAV-8B	1	
		TAV-8B	24	
CKU-7A	MS15	F-5E	32	58
		F-5F	8	
		T-38A	18	
Mk 121 Mod 0	MT28	TAV-8B	48	48
Mk 122 Mod 0	MT29	F-14D	63	531
		FA-18C	206	
		FA-18D	158	
		FA-18E	54	
		FA-18F	113	
		T-45A	126	
T-45C	142	268		
				862
Mk 123 Mod 0	MT30	F-14D	66	150
		FA-18D	91	
		FA-18F	66	
		T-45A	73	
		T-45C	77	
				365
Mk 124 Mod 0	MT31	F-14D	47	452
		FA-18C	248	
		FA-18D	92	
		FA-18E	54	
		FA-18F	58	
		T-45A	71	
T-45C	76	147		
				646
Mk 205 Mod 2	XW36	AV-8B	132	157
		NAV-8B	1	
		TAV-8B	24	

**Table IV. Total Reported Installed by Lot Number***[As of 30 June 2004]*

DODIC	Model	Lot No.	Lot quantity	Quantity installed	Total installed	Expiration date	Aircraft type(s)
MC77	Mk 12 Mod 1	IH-96K001-007	10	6	20	October 2006	OV-10
		IH-00C002-009	14	10		March 2010	
		IHM02B002-020	21	4		February 2012	
MD72	Mk 16 Mod 1	UPC93B004-031	14	7	302	February 2006	S-3B
		UPC97B001-032	7	1		February 2010	
		UPC99J001-034	173	151		September 2012	
		UPC99L001-035	183	127		November 2012	
		UPC02C001-036	193	16		March 2015	
		UPC03B001-037	151	0		February 2016	
M941	Mk 18 Mod 0	IH-95C001-015	144	118	174	March 2005	T-2C
		IH-96K001-016	56	47		October 2006	
		IH-96K001-017	27	3		October 2006	
		IH-99F002-018	46	2		June 2009	
		IH-00C002-019	31	4		March 2010	
		IHM02B002-020	12	0		February 2012	
M572	Mk 74 Mod 0	MBA85E001-015	18	6	73	May 2005	F-14A/F-14B
		MBA85E001-017	18	13		May 2005	
		MBA85H001-018	126	33		August 2005	
		UPC86J001-001A/B	25	4		August 2006	
		MBA88B001-024	15	8		February 2008	
		MBA88H001-026	6	3		August 2008	
M572	Mk 74 Mod 1	IH-94L002-003A	23	12	24	November 2014	F-14A/F-14B
		IH-94L002-004	15	10		November 2014	
		IH-94L002-005	38	2		November 2014	
				91			
M573	Mk 75 Mod 0	MBA85E001-015	18	9	76	May 2005	F-14A/F-14B
		MBA85E001-017	18	13		May 2005	
		MBA85H001-018	134	33		August 2005	
		UPC86J001-001A/B	25	4		August 2006	
		MBA88B001-024	15	7		February 2008	
		MBA88H001-026	5	2		August 2008	
M573	Mk 75 Mod 1	IH-94L002-003A	22	11	18	November 2014	F-14A/F-14B
		IH-94L002-004	12	6		November 2014	
		IH-94L002-005	34	3		November 2014	
				88			
M928	Mk 82 Mod 0	UPC93B001-021	391	181	197	February 2009	
		UPC94C001-022	25	14		March 2010	
MU76	MK 82 Mod 1	UPC99F001-003A	10	6	16	June 2006	S-3B
		UPC00E001-004	90	10		May 2007	
		IHM00B002-006	14	2		February 2007	
					213		

Table IV—Continued

DODIC	Model	Lot No.	Lot quantity	Quantity installed	Total Installed	Expired date	Aircraft type
M929	Mk 83 Mod 0	UPC97J002-014R	84	60	199	September 2004	S-3B
		<b>ESD00B001-001</b>	<b>96</b>	<b>78</b>		<b>February 2007</b>	
		<b>ESD00H001-002</b>	<b>119</b>	<b>61</b>		<b>August 2007</b>	
		UPC02L002-016	98	0		November 2009	
M932	Mk 85 Mod 0	<b>ESD99M001-001</b>	<b>121</b>	<b>80</b>	184	<b>December 2006</b>	S-3B
		<b>ESD00K001-002</b>	<b>121</b>	<b>53</b>		<b>December 2006</b>	
		<b>ESD01F001-003A</b>	<b>44</b>	<b>38</b>		<b>June 2008</b>	
		<b>UPC02L002-016</b>	<b>89</b>	<b>12</b>		<b>November 2009</b>	
M933	Mk 92 Mod 1	IH-88J001-005	306	48	48	September 2004	QF-4N/QF-4S
M938	Mk 86 Mod 0	MBA85E001-015	16	10	235	May 2005	EA-6B
		MBA85E001-017	24	22		May 2005	
		MBA85H001-018	32	31		August 2005	
		MBA86J001-021	24	23		September 2006	
		UPC86J001-001A/B	37	26		September 2006	
		MBA86J001H020	43	50		September 2006	
		MBA88B001H023	7	2		February 2008	
		MBA88E001-027	24	14		May 2008	
		MBA89F001-030	24	14		June 2009	
		IH-94L002-003A	79	43		November 2014	
		M939	Mk 87 Mod 0	MBA85E001-015		8	
MBA85E001-017	12			9	May 2005		
MBA85H001-018	25			21	August 2005		
MBA86J001H020	27			39	September 2006		
MBA86J001-021	12			17	September 2006		
UPC86J001-001A/B	25			8	September 2006		
MBA88B001H023	6			6	February 2008		
MBA88E001-025	11			0	May 2008		
MBA88E001-028	10			6	May 2008		
MBA88H001H029	3			1	August 2008		
MBA88E001-030	12			7	May 2008		
MBA89F001-031	11			0	June 2009		
IH-94L002-003A	26			5	November 2014		
M940	Mk 88 Mod 0			MBA85E001-015	8	6	86
		MBA85E001-017	12	10	May 2005		
		MBA85H001-018	31	16	August 2005		
		MBA86J001-021	13	13	September 2006		
		MBA88E001-025	12	12	May 2008		
		MBA88B001023	6	0	February 2008		
		MBA88E001-027	12	0	May 2008		
		MBA89F001-030	24	10	June 2009		
		MBA00L002-031	46	19	November 2020		
		IH-94L002-003A	49	31	November 2014		
		IH-94L002-004	25	2	November 2014		

Table IV—Continued

DODIC	Model	Lot No.	Lot quantity	Quantity installed	Total installed	Expired date	Aircraft type
MU75	Mk 90 Mod 1	IH-99H001-005 IHM00B002-006 UPC00E001-002	106 110 22	99 48 22	169	August 2006 April 2007 May 2007	S-3B
MD68	Mk 100 Mod 0	MBA86G001-012 MBA86G001-013 MBA86G001-015 MBA86J001-016 MBA86M001-017 MBA86J001-018 MBA86J001-020 MBA87K001-024 MBA87K001-025 MBA88B001-026 MBA88G001-027 MBA88B001-028 MBA88G001-029 MBA88G001-031 MBA89A001-033 MBA89B001-032 MBA89F001-034 MBA91B001-038 MBA93C002-040 MBA94C003-041 MBA96L003-047 MBA99M003-050	57 47 30 56 29 18 7 21 15 23 5 11 55 16 128 66 8 66 182 46 47 19	18 8 3 6 9 5 2 10 6 20 1 3 45 3 66 59 6 50 81 17 4 0	422	July 2004 July 2004 July 2004 September 2004 December 2004 September 2004 September 2004 October 2005 October 2005 February 2006 July 2006 February 2006 July 2006 July 2006 January 2007 February 2007 June 2007 February 2009 March 2011 March 2012 November 2015 December 2017	FA-18A/B/C/D
MD69	Mk 101 Mod 0	MBA86G001-012 MBA86G001-013 MBA86J001-020 MBA86M001-017 MBA87K001-024 MBA87K001-025 MBA88B001-026 MBA88G001-029 MBA89A001-033 MBA89B001-032 MBA91B001-038 MBA93C002-040 MBA94C003-041 MBA96L003-047 MBA93M003-050	2 11 8 7 2 3 7 8 25 30 57 23 33 47 15	1 0 4 2 2 2 6 6 7 20 12 5 16 0 0	83	July 2004 July 2004 September 2004 December 2004 October 2005 October 2005 February 2006 July 2006 January 2007 February 2007 February 2008 March 2011 March 2012 November 2015 December 2017	FA-18B/D
MF21	Mk 79 Mod 1	TAC93L001-056 TAC97D001-001 TAC97J002-001 IH-98A003-002 TAC99H002-002 IH-99M002-003 TAC00L002-003 TAC01E002-004 TAC01E002-005 TAC01K002-006 TAC01K002-007 TAC01M002-008 TAC02A002-009 TAC02E002-010	18 135 171 110 261 50 30 50 28 53 40 20 8 12	0 63 132 29 66 2 0 0 0 0 0 0 0 0	324	November 2004 April 2008 September 2008 January 2009 August 2010 December 2010 November 2011 May 2012 May 2012 October 2012 October 2012 December 2012 January 2013 May 2013	AV-8B/TAV-8B

**Table IV—Continued**

DODIC	Model	Lot No.	Lot quantity	Quantity installed		Total installed	Expired date	Aircraft type
				NACES	Non-NACES			
MF56	Mk 109 Mod 0	UPC93J001-042	25	25	0	25	September 2004	FA-18A/B/C/D
		TAC94A002-001A	15	2	0	2	January 2005	
		UPC94D001-043	60	57	0	57	April 2005	
		UPC95D001-044	29	29	0	29	July 2006	
		UPC95G001-045	27	27	0	27	July 2006	
		UPC95H001-046	25	24	0	24	August 2006	
		UPC95L001-047	20	20	0	20	November 2006	
		UPC96B001-048	48	0	48	46	February 2007	
		UPC96C001-049	8	8	0	8	March 2007	
		UPC96G001-050	195	67	111	178	March 2007	
		UPC96E001-051	18	16	0	16	May 2007	
		UPC97B001-053	18	17	0	17	February 2008	
		UPC97G001-054	16	14	0	14	July 2008	
		UPC97G001-055	6	4	0	4	July 2008	
		UPC98B001-056	54	54	0	54	February 2009	
		UPC99B001-057	51	32	0	32	February 2010	
			Mod 0			<b>159</b>	<b>159</b>	
SS67	Mk 109 Mod 1	IH-98D001-001	57	4	44	48	April 2009	FA-18/C/D/E/F
		TAC99D001-002	250	70	164	234	April 2010	
		TAC00A001-003	273	130	96	226	January 2011	
		TAC01H001-005	<b>109</b>	<b>66</b>	<b>24</b>	<b>90</b>	<b>August 2012</b>	
		TAC01K001-006	<b>66</b>	<b>29</b>	<b>37</b>	<b>66</b>	<b>October 2012</b>	
		TAC01M001-007	<b>2</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>December 2012</b>	
		<b>UCO1F001-001</b>	<b>57</b>	<b>9</b>	<b>2</b>	<b>11</b>	<b>April 2009</b>	
		<b>TAC02K001-008</b>	<b>50</b>	<b>4</b>	<b>26</b>	<b>29</b>	<b>March 2013</b>	
		<b>TAC02M002-001</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>8</b>	<b>December 2013</b>	
		<b>TAC03M001-010</b>	<b>361</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>December 2014</b>	
			Mod 1			403		
			Mod 0			159		
					822	562	1,615	
MF57	Mk 84 Mod 2	TAC93L001-006A	107	72			November 2006	S-3B
		TAC95J001-007A	86	83			September 2008	
		TAC96H001-001A	286	217			August 2009	
		TAC00K001-008	96	20			October 2013	
		TAC01G001-009	96	0			July 2014	
					392			
MG67	Mk 113 Mod 0	UPC99D001-001	237	140			April 2007	AV-8B/TAV-8B
		UPC00G001-002	32	9		166	July 2008	
MG67	Mk 113 Mod 1	TAC98M003-001	64	7			December 2006	
		<b>TAC00J004-003</b>	<b>30</b>	<b>0</b>		<b>7</b>	<b>July 2008</b>	
		<b>TAC01H004-004</b>	<b>7</b>	<b>0</b>		<b>7</b>	<b>August 2009</b>	
					156			
MS15	CKU-7/A	IH-95E001-046	8	6			May 2005	F-5E/F/T-38A
		IH-96H001-048	5	3			August 2006	
		IH-99F001-049	21	21			June 2009	
		IHM00C001-051	46	23			March 2010	
		IHM00E001-052	22	5			May 2010	
					58			
MT28	Mk 121 Mod 0	ESD00A001-001	86	48			January 2007	TAV-8B
		UPC02L001-024	19	0		0	November 2009	
					48			



Table IV—Continued

DODIC	Model	Lot No.	Lot-quantity	Quantity Installed			Total Installed	Expired date	Aircraft type
				F-14D	F-18	T-45			
MT29	Mk 122 Mod 0	UPC97H003-005	192	24	73	38	149	August 2004	F-14D/FA-18C,E,F, T-45A,C
		MBA98J004-014	300	32	148	82	253	September 2008	
		MBA99J004-016	206	3	149	44	188	September 2009	
		MBA00F004-017	257	3	127	64	193	June 2010	
		UPC01E005-001	271	3	34	40	90	May 2011	
		UPC01E005-002	328	0	0	0	0	May 2011	
		Totals		63	531	268	873		
MT30	Mk 123 Mod 0	MBA89F001-003	31	0	3	0	2	June 2004	F-14D/F-18C,D,E,F T-45A, C
		MBA89F001-005	16	0	0	0	0	June 2004	
		MBA90H001-006	35	14	9	3	24	August 2005	
		MBA90H001-007	6	0	0	1	1	August 2005	
		MBA90K001-008	50	8	15	5	28	October 2005	
		UPC90L001H001B	17	1	1	3	5	November 2005	
		MBA91J001-009	21	4	6	1	11	September 2006	
		UPC91K001H002A	14	2	2	1	6	October 2006	
		MBA92C001-010	10	0	0	5	5	March 2007	
		UPC93E002H005	27	22	1	1	24	May 2008	
		MBA93F002-011	54	10	12	33	53	June 2008	
		UPC94B003H006	80	4	15	21	44	February 2009	
		MBA95C003-012	236	3	8	13	24	March 2010	
		MBA96C003-013	71	0	7	7	14	March 2011	
		MBA97G003-014	33	1	18	14	33	July 2012	
		MBA98J003-017	33	0	13	9	22	September 2013	
		MBA99H003-019	53	0	24	18	42	August 2014	
		MBA01A003-020	47	0	11	14	25	January 2016	
		MBA01E003-024	277	0	4	1	6	May 2016	
		MBA01F003-025	46	0	0	0	0	June 2016	
Totals		66	149	150	367				
MT31	Mk 124 Mod 0	MBA89F001-004	57	0	5	0	4	June 2004	F-14/F-18/T-45
		MBA89F001-005	7	0	0	0	0	June 2004	
		MBA90H001-006	68	13	26	3	41	August 2005	
		MBA90H001-007	36	0	15	0	15	August 2005	
		MBA90K001-008	91	12	26	4	42	October 2005	
		UPC90L001H001B	36	1	3	2	6	November 2005	
		MBA91J001-009	34	2	19	4	24	September 2005	
		UPC91K001H002A	29	2	4	2	6	October 2006	
		UPC91K001H003	6	0	0	0	0	October 2006	
		MBA92C001-010	27	0	10	5	15	March 2007	
		UPC93D002H004	62	1	6	2	9	April 2008	
		MBA93F002-011	104	8	66	20	95	June 2008	
		UPC94B003H005	142	1	37	25	65	March 2009	
		MBA95C003-012	165	6	89	8	104	March 2010	
		MBA96C003-013	71	0	12	8	21	March 2011	
		MBA97G003-014	70	2	46	21	66	July 2012	
		MBA98J003-017	66	0	24	16	40	September 2013	
		MBA99H003-019	84	0	43	16	56	August 2014	
		MBA01A003-020	76	0	22	11	29	January 2016	
		MBA01E003-024	2	0	0	2		May 2016	
MBA01F003-025	97	0	0	0	0	June 2016			
Totals		47	452	147	638				

**Table IV—Continued**

DODIC	Model	Lot No.	Lot quantity	Quantity Installed	Total installed	Expired date	Aircraft type
XW36	Mk 205 Mod 2	TAC98M002-001	77	31	172	December 2006	AV-8B/NAV-8B/ TAV-8B
		TAC98M002-002	50	39		December 2006	
		TAC00B002-003A	60	27		February 2008	
		TAC01B002-004	126	33		February 2009	
		TAC01G002-005	8	8		July 2009	
		TAC01G002-006	24	19		July 2009	
		TAC04D002-011	26	0		April 2012	
MT32	P/N 50436-11	TAC01B001-032	2	2	2	February 2011	F-16A, F-16B
		TAC01L001-035	12	12	12	November 2011	
MT47	CKU-5B/A	IHM01E001-024	14	14	14	May 2005	F-16A, F-16B
MD99	P/N 1143-3	UPC90K001-058	5	0	0	October 2007	F-16A, F-16B
		UPC96G001-024	14	14	14	July 2005	
ME80	P/N J114716-1	UPC00D001-002	14	14	14	April 2007	F-16A, F-16B
ME81	P/N J114716-502	OAC01D001-067	14	14	14	April 2007	F-16A, F-16B

**Table V. PAD Conventional Ordnance Discrepancy Reports (CODRs)  
Explosive Mishap Reports (EMR) History**

[As of 30 June 2004]

Item	Description
<b>Mk 109 Mod 0/1(MF56/SS67)</b>	
RCN: 09076-04-0018	The activity reported that while maintenance crews were performing a daily inspection, they discovered the exhaust nozzle protective cap missing. Indian Head requested that this unit be returned as a possible Quality Evaluation sample.
RCN: 0984-03-0090	The activity reported that while maintenance crews were performing a daily inspection, they found a gouge on side of motor beginning in the middle section extending two and one and a half inches downward and one eight-inch in depth. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 09558-0300007	During morning preflight inspection, a maintenance technician discovered a scratched and dented canopy jettison rocket motor. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 09965-04-0016	Maintenance personnel left a disconnected cable connector to a camera laying loose on canopy motor and closed the canopy. This resulted in a dent and scratch to canopy rocket motor. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 09230-02-0030	During a 42-day special inspection, the work center noticed a 2-inch scratch on the right canopy jettison rocket motor. A Not-Ready-For-Issue (NRFI) status based on inspection criteria outlined in NAVAIR 11-100-1.1 manual. Suspected damaged may have been caused by an object left on canopy sill prior to closing. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 09561-03-0029	Rocket motor was removed in accordance with the FA-18 maintenance manuals. While performing a routine inspection on the ejection seat and canopy assembly, it was discovered by maintenance personnel that the exhaust nozzle of the port canopy jettison rocket motor was damaged. Further investigation revealed that upon lowering of the canopy a disconnected port camera cannon plug was jammed between the canopy and canopy seal causing damage to the exhaust nozzle of the rocket motor. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 39783-03-030136	While maintenance crews installed canopy rocket motor into port side of canopy, during torque the B-nut on the MH37 SMCD line broke away, from the threaded portion of the ferrule leaving the threaded portion inside the rocket motor. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 39783-03-0137	The activity was installing a Shield Mild Detonating Cord (SMDC) line onto the port side of the rocket motor. While torquing the SMDC ferrule onto the rocket motor with a 40-200 inch pound torque wrench, the SMDC ferrule broke off at 90-inch pounds. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 55141-02-0021	During daily pre-flight inspection, a maintenance technician discovered the canopy jettison rocket motor exhaust cap dented. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 55141-02-0223	During routine 728-day seat maintenance inspection, both canopy jettison rocket motors were found to be corroded beyond limits. The paint had started to bubble and when removed, corrosion was found on aft sections of both rocket motors. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
<b>Mk 85 Mod 0 (M932)</b>	
RCN: 09226-03-0013	During pre-installation of M932 rocket motor a technician was stenciling expiration date on rocket motor body. While turning device it was accidentally dropped on desk from a height of approximately 4 inches. QA/SO witnessed the incident and deemed the M932 NON-RFI. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
<b>Mk 16 Mod 1 (MD72)</b>	
RCN: 09352-03-0016	While removing ejection seat for seat height actuator the binding rocket ballistic line nipple struck side of ejection seat and dented cap on nipple. Seat height adjuster gears on one side of actuator were binning, which caused only one side of actuator to move and then freeze up. While removing mounting bolt on seat/rocket, rocket shifted to side of seat striking seat frame and caused said damage to ballistic line nipple. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.

**Table V—Continued**

Item	Description
<b>Mk 18 Mod 0 (M941)</b>	
RCN: 09251-03-0025	During receiving screening found top of rocket corroded had CNATRA DET Meridian take photos. Repackaged container and turned in to NAS Meridian Weapons Department. Indian Head has requested this unit be returned as a possible Quality Evaluation sample
RCN: 49153-03-0049	During visual inspection after ejection seat removal, found lower sleeve of rocket had moved about (1) one inch and is now longer than standard rocket. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 52814-03-0709	The lower collar slid down on rocket about an inch and a half in adjacent to lower rocket brace. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 49153-03-0019	During 224 Day inspection of aircraft cockpits, found corrosion on top of rocket motor. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
<b>Mk 124 Mod 0 (MT31)</b>	
RCN: 09478-03-0034	While performing disarm procedures IAW ref (b), maintenance personnel noticed the tube of the igniter cartridge on the MK-124 MOD 0 under seat rocket motor was loose. The tube actually turned approximately 1/4-inch when gas line was being removed. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 09637-03-0021	Performed acceptance inspection on rocket motor in accordance with NAVAIR-11-100-1 and discovered protective caps on rocket motor cracked and separated from motor. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 09934-03-0040	While applying the specified torque to the gas line of the under seat rocket motor in accordance with NAVAIR 13-1-37, the gas fire igniter cartridge of the rocket motor started to turn at approximately 80 inch pounds of torque. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
<b>Mk 101 Mod 0 (MD59)</b>	
RCN: 09485-030070	While de-arming ejection seat IAW 448 day MRC, team members disconnecting gas line noticed the rocket motor breech was loose.
RCN: 44689-02-0048	During 448-day inspection technician discovered safety wire stretched and broken on SJU6 under seat rocket motor. An investigation was unable to determine if tube had rotated due to absence of slip indicator mark.
<b>Mk 100 Mod 0 (MD68)</b>	
RCN: 09561-03-0029	The ejection seat bucket was removed in accordance with FA-18 maintenance manuals. During the removal of the seat bucket the maintenance crew discovered that the right leg garter assembly was wedged between the forward ends of the forward right outboard rocket propellant tubes of the MD68 rocket motor. Further inspection revealed that there were dents on both forward right outboard rocket propellant tubes and a broken safety wire that secured both tubes together. It is suspect that lowering the seat without ensuring that garter assembly was stowed properly caused damage. The MD68 rocket motor was removed in accordance with the FA-18 maintenance manuals. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 65185-03-0004	The seat bucket was removed from aircraft cockpit during flight operations and placed on flight deck to facilitate a Foreign Object Damage search within the aircraft. Exhaust from a taxing F-14 caused the seat bucket to slide across flight deck and flip over, damaging the under seat rocket motor. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 65886-04-0001	Upon de-arming ejection seat and inspection of rocket motor a dent was found in one of the solid propellant tubes. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN:67815-03-0014	A safety wire was broken on right rear outboard tube. No other damage was visible. Underseat Rocket Motor was lowed on map light forcing map light through aircraft cabin floor. Cockpit floor has a 4-inch hold punctured through the floor into an avionics bay. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.

**Table V—Continued**

Item	Description
<b>Mk 122 Mod 0 (MT29)</b>	
RCN:09558-02-0011	Maintenance crew discovered parachute deployment rocket motor defective while performing 728-day special inspection. While removing parachute deployment rocket motor, they heard a loose metallic sound from inside rocket motor. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 49153-02-0164	STIRRUP links for the parachute were not properly installed. (A manufactured defect). The STIRRUP links are improperly clocked preventing proper STIRRUP link alignment with parachute withdrawal line STIRRUP links make contact with ejection seat main bean making it impossible to connect the parachute withdrawal line. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 65886-02-0223	During standard depot level maintenance (SDLM) of F-14 D BUNO 164349, corrosion was found on both the Pilot and MCO seat MT29 parachute deployment rocket motor around the STIRRUP bolts and exhaust nozzles. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 76301-02-0174	A parachute rocket deployment motor that had an electrical plug pin that is bent in 2 different directions was received in this condition from lot number UPC01E005-001. Repair or replace noted unit and return to: Boeing Company, McDonnell Aircraft and Missile systems, 8900 Frost Avenue Berkley, MO 63134, Bldg 245, LVL 1, GFAE/GOM. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
<b>Mk 86 Mod 0/1 (M938)</b>	
RCN: 65886-04-0002	Upon de-arming ejection seat and inspection of M938 rocket motor, the lot number was found to be illegible and the serial number did not match OPNAV 4790/26A installed explosive device record. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
<b>Mk 78 Mod 0/1 (M939)</b>	
RCN: 65886-04-0049	When artisan was de-arming ECMO-1 ejection seat, the igniter was found to be moving when the rocket motor igniter gas line was loosened. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
<b>Mk 88 Mod 0/1 (M940)</b>	
RCN: 09970-01-0061	While arming ECOMO-2 ejection seat maintenance technician noticed rocket motor (Mk 88 Mod 0, M940) 1/2 bolt would not align with mounting hole in port side of ejection seat. Further investigation revealed weld bead was hitting the port side of ejection seat prohibiting the alignment of the 1/2 bolt with the mounting hold in the rocket motor. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.
RCN: 39783-02-0076	While performing 364-day inspection on GRU-7 ejection seats. A maintenance technician discovered safety wire missing from firing head on ECMO-2 rocket motor and no torque stripe present. Indian Head has requested this unit be returned as a possible Quality Evaluation sample.