

TO 00-20-9

TECHNICAL MANUAL

**FORECASTING REPLACEMENT REQUIREMENTS
FOR SELECTED CALENDAR AND HOURLY
TIME CHANGE ITEMS**

(ATOS)

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Page No.	*Change No.	Page No.	*Change No.	Page No.	*Change No.
Title		4			
A		4			
i		4			
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1-1		0			
1-2		4			
2-1 - 2-3		0			
2-4 - 2-5		4			
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3-4 Blank		0			
4-1 - 4-12		4			
4-13 - 4-16 Deleted		4			
4-17 - 4-20 Deleted		1			

*Zero in this column indicates an original page

TABLE OF CONTENTS

Chapter		Page
1	GENERAL	1-1
1.1	Purpose.....	1-1
1.2	Scope.....	1-1
1.3	Submitting Changes to this T.O	1-1
1.4	Forecasting	1-1
1.5	Air Force Materiel Command Responsibilities	1-2
1.6	Base Level Responsibilities	1-2
1.7	Egress Indicator	1-2
2	SELECTED CALENDAR AND HOURLY TIME CHANGE ITEMS	2-1
2.1	Purpose.....	2-1
2.2	Forecasting Cycle	2-1
2.3	Base-Level Responsibilities	2-1
2.4	Air Force Materiel Command Responsibilities	2-1
2.5	Manual Preparation of AFTO Form 223 (See Figure 2-1).....	2-1
2.6	Automated AFTO Form 223.....	2-2
2.7	G081.....	2-2
2.8	Listing of Selected Items	2-3
3	SELECTED CALENDAR TIME CHANGE LIFE SUSTAINING ITEMS	3-1
3.1	Purpose.....	3-1
3.2	Forecasting Cycle	3-1
3.3	Web Based Forecasting of Life Sustaining Items.....	3-1
3.4	Listings of Selected Life Sustaining Items.....	3-1
4	SELECTED CARTRIDGE/PROPELLANT ACTUATED DEVICES (CAD/PAD)	4-1
4.1	Purpose.....	4-1

LIST OF ILLUSTRATIONS

Number	Title	Page
2-1	AFTO Form 223, Time Change Request Requirements	2-3

LIST OF TABLES

Number	Title	Page
2-1	Selected Calendar and Hourly Time Change Items.....	2-4
3-1	Selected Calendar Time Change Life Sustaining Items	3-2
4-1	Selected Cartridge/Propellant Actuated Devices.....	4-1

CHAPTER 1

GENERAL

1.1 PURPOSE.

This TO provides procedures for forecasting replacement requirements for selected calendar and hourly Time Change Items (TCIs). The TCIs listed in this TO are those items the item manager determines a need for additional forecast data, to assure assets are available to meet replacement requirements. Refer to applicable chapters for preparation and submission of the AFTO Form 223:

1.1.1 Chapter 1 contains general forecasting procedures.

1.1.2 Chapter 2 contains a list of selected calendar and hourly TCIs. The items identified by stock number, part number, noun and/or nomenclature, and weapon or support system or end item applicability have been selected by DoD IMs for special reporting.

1.1.3 Chapter 3 contains a list of selected calendar Time Change Life Sustaining Items such as man-carrying parachutes, parachute components, egress components and survival equipment that are non-munitions cartridge/propellant actuated devices (CAD/PAD) items.

1.1.4 Chapter 4 contains a list of selected CAD/PAD items used primarily in aircrew escape systems. The items identified by stock number, part number, noun and/or nomenclature, and weapon or support system or end item applicability have been selected by DoD IMs for special reporting.

1.2 SCOPE.

The procedures prescribed in this TO are applicable to the AFMC IM, ALC base support organizations, AF bases, Major Commands and requisitioning agencies. Security Assistance (SA) Program countries requisitioning items designated in this technical order from Air Force sources will comply with AF base reporting requirements.

1.3 SUBMITTING CHANGES TO THIS T.O.

Recommended additions/deletions/changes should be submitted IAW TO 00-5-1 to HQ AFMC/ENBP, Wright-Patterson AFB OH, 45433.

1.4 FORECASTING.

NOTE

Accurate forecasting is a critical element of the TCI budgeting and procurement process. Failure to submit an accurate forecast will result in asset shortages and possible aircraft grounding. Forecast data is used to determine requirements for replenishment spares and for development of budget submissions. These submissions are required 4-5 years prior to the actual item due date, depending on item procurement lead times. It is also used to identify optimum time frames for initiation of TCI procurement actions. The forecasting process is vital to successful, effective support of mission critical, safety of flight devices.

1.4.1 The primary method for forecast submission is the (Automated or Manual) AFTO Form 223. Forecasting is the quarterly break out of TCIs by due date. Forecasts for items will be by quarter covering periods outlined in each chapter.

1.4.1.1 Calculating Due Dates: TCI due dates are determined by the earlier of either date of manufacture (DOM) or date of installation (DOI) expiration, not to exceed total shelf or service life of the item. For example, an item manufactured in June 2000 with a ten-year shelf and service life would expire 30 June 2010, regardless of DOI. If the item was not installed until 2005, it would still expire 30 June 2010 because service life cannot exceed shelf life as determined from the DOM. When an item's service life is less than item's shelf life, the earlier expiration date would dictate time change. For example, an item with a nine-year shelf life (based on DOM) and a seven-year service life (based on DOI) manufactured in August 2000 and installed in October 2001 would require time change no later than 31 October 2008 based on service life expiration. However, if that part was installed in July of 2003, it must be changed out by August 2009, based on DOM.

TO 00-20-9

1.4.2 Forms containing classified information will be assigned appropriate security classification and will be processed in accordance with applicable security directives.

1.5 AIR FORCE MATERIEL COMMAND RESPONSIBILITIES.

1.5.1 Calendar and hourly time change items requiring special handling will be selected by the IM from the applicable -6 series or commodity series TO. Listings of these items, including national stock number (NSN), manufacturers part number, noun, or nomenclature and applicability will be forwarded to HQ AFMC/ENBP for publication in this TO. Items, which are calendar time change based on the date of manufacture, will be designated with a double asterisk preceding the stock number. Revision of published lists will be processed in the same manner.

1.5.2 Annually task each IM to validate NSNs and part numbers listed in this TO. The IM will provide HQ AFMC/ENBP with corrections to the listing. Negative replies are required. This validation will be completed by 1 May of each year.

1.5.3 311 HSW/YAC and 784 CBSG/GJ will send a reminder message to all MAJCOM Maintenance Policy Divisions with instructions to retransmit to subordinate units. This message will include any last minute changes to forecasting requirements or procedures and applicable POCs.

1.6 BASE LEVEL RESPONSIBILITIES.

1.6.1 CAMS/G081 Automated Units.

1.6.1.1 All aircraft installed TCIs for example: egress, life support, and survival equipment items, must be loaded in the local CAMS/G081 database for time change tracking and requirements forecasting purposes. For specific loading, changing and updating policy on installed TCIs, refer to Air Force and Command Instructions.

1.6.1.2 The applicable data base manager will be responsible for extracting the applicable time change data from CAMS/G081.

1.7 EGRESS INDICATOR.

The Egress Indicator is used in CAMS to assist in developing certain reports. Although named Egress, the indicator has expanded to include more than just egress items. The three codes are as follows:

1.7.1 "C" is used for CAD/PAD explosive items, but is not used for Egress explosive items. A lot number is required in CAMS.

1.7.2 "B" is used for an item that is both a CAD/PAD explosive item and an Egress explosive item. Egress items of this type do not always have to be installed on a seat itself. The approved installed on chain must always be followed for each aircraft type and actual installation must be properly documented manually or through the electronic data systems. A lot number is required in CAMS.

1.7.3 "E" is an Egress item that is non-explosive and may not have an associated lot number. It may also be used for Life Support items. However a lot number will be used if available.

CHAPTER 2

SELECTED CALENDAR AND HOURLY TIME CHANGE ITEMS

2.1 PURPOSE.

This chapter provides:

2.1.1 The procedures for processing of automated AFTO Form 223 via CAMS/G081. Units hosted on CAMS/G081 will use the automated procedures contained in this technical manual.

2.1.2 The procedure for completion and processing of manual AFTO Form 223, Time Change Requirements Forecasts for those units not hosted on CAMS/G081.

2.1.3 A list of selected time change items that require special reporting.

2.2 FORECASTING CYCLE.

2.2.1 Items listed in Table 2-1 will be forecast quarterly, starting with the next quarter and covering the next two years. Quarters cover periods beginning with Oct, Jan, Apr and Jul. Forecasts are to be completed and submitted to the applicable IM with an info copy to applicable MAJCOM Weapons System Team. Submit NLT 15 days prior to the required quarter.

2.2.2 To calculate previous operating time, refer to TO 00-20-1.

2.3 BASE-LEVEL RESPONSIBILITIES.

2.3.1 CAMS/G081 Units.

2.3.1.1 All aircraft installed items listed in Table 2-1 must be loaded into local CAMS/G081 database for time change tracking and requirements forecasting purposes.

2.3.1.2 Database manager will be responsible for extracting the time change data from CAMS/G081.

2.3.2 Non CAMS/G081 Units.

2.3.2.1 Plans, Scheduling and Documentation (PS&D) personnel will initiate the AFTO Form 223 by completing blocks 1 through 6. Block 4 should be filled in with the Base Supply Stock Record Account Number (SRAN) that can be obtained from the unit Maintenance Supply Liaison. Only forecast for those items listed in this Table 2-1. Review forms to ensure part number accuracy and that all blocks are completed as specified in paragraph 2-6.

2.3.2.1.1 The wing PS&D superintendent will ensure forecasts are reviewed for accuracy; part numbers, duplicate job standard numbers and all blocks are properly filled in; and coordinate the forecast with work centers responsible for maintaining components before submission to the supply activity.

2.3.2.2 A copy will be forwarded not later than 10 workdays following the as of date of the form to maintenance supply liaison or PS&D. Base supply personnel input applicable retail stock level information and return to the initiating PS&D within 18 workdays after the as of date of the form. The supply activity and PS&D should both keep copies of the current forecast. The supply activity will forward a copy to the applicable IM.

2.4 AIR FORCE MATERIEL COMMAND RESPONSIBILITIES.

Upon receipt of projected time change item requirements from AF bases, the applicable IM will consolidate these requirements. Equipment specialist will review forecasts received and make recommendations to IMs prior to initiating procurement actions.

2.5 MANUAL PREPARATION OF AFTO FORM 223 (SEE FIGURE 2-1).

2.5.1 BLOCK 1, LOCATION. Enter name of base.

2.5.2 BLOCK 2, ORGANIZATION. Enter name of organization the forecast is for (not necessarily the same as the forecasting/documentation section).

TO 00-20-9

2.5.3 BLOCK 3, DATE. Enter date on which form is prepared.

2.5.4 BLOCK 4, SUPPLY ACCOUNT NUMBER. Enter six-digit stock record account number.

2.5.5 BLOCK 5, MAJOR COMMAND. Enter command code (two digits). If unsure, just enter the MAJCOM (ex. ACC, AFMC, etc.).

2.5.6 BLOCK 6A, PART NUMBER. Enter the NSN (preferred) and/or part number. Where interchangeable, secondary or substitute items are involved, enter part number or NSN of installed item.

2.5.7 BLOCK 6B, NOUN. Enter noun/nomenclature of item.

2.5.8 BLOCK 6C, REQUIREMENTS QUANTITY. Enter quarterly projections in column under YEAR AND QUARTER. Enter last two digits of calendar year for which projection is being made above the line and 1, 2, 3 or 4 below the line for applicable quarter. Use additional sheets to forecast all required years.

2.5.9 BLOCK 6D, TOTAL. Enter the total.

2.5.10 BLOCK 7, SUPPLY INFORMATION. Completed by the supply activity

2.6 AUTOMATED AFTO FORM 223.

2.6.1 CAMS

2.6.1.1 PS&D will forecast all aircraft installed -6 TO required items contained in Table 2-1.

2.6.1.2 Include on hand balances as part of forecast (filled in by the supply activity).

2.6.1.3 It is essential that data be validated and checked for accuracy. If changes are required, update CAMS database and rerun program.

2.6.1.4 Information on CAMS 490 screens are in AFCSM 21-579, Vol. 2. Units must ensure they fill out all the header data on the 490 screen. Use the servicing base supply SRAN (FB) in the "Supply Acct Code" field.

2.6.1.5 Save the CAMS 490 screen to a 3.5-inch floppy disk in ASCII or TXT format.

2.6.1.6 CAMS mainframes hosting more than one unit/organization should have separate files for each unit. If the organization is another government agency or a civilian company under contract to the Air Force, use a practical abbreviation for their file name.

2.6.1.7 Forward a copy of the disk to applicable aircraft System Program Office with instruction to forward the disk to the appropriate Item Managers (IMs). The System Program Office points of contact can be obtained at the website <https://www.afmc-dr.wpafb.af.mil/BlueBk/bluebook.asp>.

2.7 G081.

2.7.1 Program 67181 will be used to forecast all hourly/calendar TCIs IAW AMCI 21-112. This program is a batch/background program and can only be executed via screen 9058.

2.7.2 Refer to G081 help screen for detailed instructions on how to make the necessary changes prior to executing the program.

2.7.3 Program must be initially set-up by local G081 manager before initiating 67181 program

TIME CHANGE REQUIREMENTS FORECAST										LOCAL CONTROL NUMBER	REPORTS CONTROL SYMBOL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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AFTO FORM 223, 19940901 (EF-V2)

PREVIOUS EDITION WILL BE USED

H0108485

Figure 2-1. AFTO Form 223, Time Change Request Requirements

2.8 LISTING OF SELECTED ITEMS.

The following items identified by stock number, part number, noun and/or nomenclature, and weapon or support system or end item applicability have been selected by DoD IMs for the special reporting. Items identified by a single asterisk (*) are repairable TCIs that have unique forecasting requirements and procedures as directed by the IM.

TO 00-20-9

Table 2-1. Selected Calendar and Hourly Time Change Items

Stock Number	Part Number	Noun/Nomenclature/ Applicability	SOS*/IM/Symbol/DSN
1095 00 488 2075	44G11185	Bomb Group Selector, AN-A1 B-52 A/C	F2U, Lil Stevenson, LKGWL, 468-6195
*1620 00 505 1184	3303591-3	Nose Gear, C-130	FGZ, Becky Maroney, LILAM, 777-6322
*1620 01 170 8325	3316498-1	Soft Strut, C-130	FGZ, Becky Maroney, LILAM, 777-6322
*1620 01 263 6733	8430M4	Ballscrew, C-130	FGZ, Becky Maroney, LILAM, 777-6322
1620-01-429-3480	16VL031-5	F-16 H/W LT MLG Shipset	FGZ, Kim Vincent, LGMHLI- 1, 775-6660
1620-01-429-4928	16VL031-6	F-16 H/W RT MLG Shipset	FGZ, Kim Vincent, LGMHLI- 1, 775-6660
1620-01-429-4929	16VL031-115	F-16 H/W NLG Shipset	FGZ, Kim Vincent, LGMHLI- 1, 775-6660
1630-00-827- 8170	153715-1	Wheel, MLG F-104, (t) F-104G	F4U, Teresa Hawkins, LILAM, 775-6063
1650 00 679 7485	871775	Air Bottle, C-135	FHZ, Robert Shortley, LIIEC, 336-2433
1650 01 039 9127	23711999	Air Bottle, E-3, C-135	FHZ, Robert Shortley, LIIEC, 336-2433
1680 01 042 3261WF	2022058-1-1	Rotary Actuator, F-16	FGZ, John Bradley, LGFMM, 777-6203
1680 01 048 8977WF	2022056-1-1	Rotary Actuator, F-16	FGZ, John Bradley, LGFMM, 777-6203
1680 01 225 7319WF	2022058-1-2	Rotary Actuator, F-16	FGZ, John Bradley, LGFMM, 777-6203
1680 01 230 1279WF	2048344-1-4	Rotary Actuator, F-16	FGZ, John Bradley, LGFMM, 777-6203
1680 01 276 8711WF	2048342-2-1	Rotary Actuator, F-16	FGZ, John Bradley, LGFMM, 777-6203
2835 00 390 1884	19E173-2C	PTO Shaft, F-15	FGZ, Kristie Miles, LIPS, 777-5614
2835-01-115-6111	19E235-2A	PTO Shaft, F-16	FGZ, Beth Holt, LGHPS, 777-5972
2835-01-147-1900	19E170-2A	PTO Shaft	FGZ, Beth Holt, LGHPS, 777-5972
2835-01-208-0169	5007076B	ADG, F-16	FGZ, Beth Holt, LGHPS, 777-5972
2835-01-235-5249	5004451H	ADG, F-16	FGZ, Beth Holt, LGHPS, 777-5972
2835-01-263-9440	581750-11-1	Turbine Power Unit, F-16	FGZ, Beth Holt, LGHPS, 777-5972
2835-01-308-3769	160001-1100A	JFS, F-16	FGZ, Beth Holt, LGHPS, 777-5972

Table 2-1. Selected Calendar and Hourly Time Change Items - Continued

Stock Number	Part Number	Noun/Nomenclature/ Applicability	SOS*/IM/Symbol/DSN
2845 00 827 4044AD	410915	Valve Assy, Oxidizer 437, Bumer II	S9G, Customer Service, 695-4865
4210 00 288 8268	13X13261	Fire Ext, Type A-20 C-121 (ALL)	S9C, Customer Service, 850-271-3191
4210 01 188 2615	896245-03	Nacelle Fire Bottles	
4210 01 373 1249	473034-1	Over Wing Fairing Bottles	
4320 01 152 8301	55113-02	Pump, Hydraulic, F-16	FGZ, Diane Watkins, YPXG, 777-3031
5835 00 954 1190	92002	Head, Reproduce AN/GSH35	S91, Customer Service, 444-2336
6135 00 416 2898	MIL-B-83771	Battery, Primary A1M-4AD	FHZ, Anita Garcia, LIAC, 884-8290

***SOS CONVERSION**

S9G DEFENSE GENERAL SUPPLY CENTER RICHMOND, RICHMOND, VIRGINIA 23297
 FGZ OGDEN AIR LOGISTICS CENTER, HILL AFB, UTAH 84056
 F4U OGDEN AIR LOGISTICS CENTER, HILL AFB, UTAH 84056
 FHZ OKLAHOMA CITY AIR LOGISTICS CENTER, TINKER AFB OKLAHOMA 73145
 S9C DEFENSE SUPPLY CENTER, COLUMBUS, OHIO 43215
 S91 DEFENSE INDUSTRIAL SUPPLY CENTER, PHILADELPHIA, PENNSYLVANIA 19111

CHAPTER 3

SELECTED CALENDAR TIME CHANGE LIFE SUSTAINING ITEMS

3.1 PURPOSE.

This chapter provides:

3.1.1 The procedure for completion and processing of the WEB Based Forecasting.

3.1.2 A list of selected non-CAD/PAD time change items that require special reporting.

3.2 FORECASTING CYCLE.

3.2.1 Life Sustaining Items will be forecast annually. Each unit's Wing Life Support Superintendent will ensure forecast completion and MAJCOM notification by 30 Sep. Forecasts will be by quarter, for the first three years starting with the first quarter of the upcoming calendar year, and by year for the remaining years for a minimum of six years. Quarters cover periods beginning with January, April, July and October. Each wing is responsible for consolidating their unit forecasts. MAJCOM functional managers will email 311 HSW/YACS by 30 Oct acknowledging their review and validation. 311 HSW/YACS will validate all MAJCOM forecasts and forward to WR-ALC and DLA. The forecast for items listed are to be completed and submitted to 311 HSW/YACS by 1 Nov each year and must include all end items assigned to the forecasting organization as of 15 Aug.

3.2.2 Once a life sustaining item is installed the first time, its service life expiration cannot change. For example, a 5-year service life item installed in October 1994, reaches its service life in October 1999. If the part is taken out and later reinstalled in another aircraft, the service life expiration remains October 1999. Applicable databases must be adjusted manually to reflect this.

3.3 WEB BASED FORECASTING OF LIFE SUSTAINING ITEMS.

Forecast will be accomplished by accessing 311 HSW/YA WEB Site at: hswya.brooks.AF.MIL/COMMON/MIL-GOV/LSM/LSMDB.HTM. EACH MAJCOM will use their previously designated password to access their time change spreadsheet. MAJCOMS will forward their password to their wings or designated units for completion of the forecast document. To ensure TCIs are forecasted properly, the wings Life Support Superintendent will input all time change data into this website. Obtain aircraft installed data from Wing PS&D personnel.

NOTE

The website is designed to reflect historical forecasts data from past to present years starting with CY 00. Historical data cannot be altered. It is for viewing and tracking only. Do not attempt to input any data in this area.

3.3.1 This website provides a formatted spreadsheet with all the applicable time change stock numbers, and nomenclatures found on the AFTO Form 223. The intent of this formatting is to standardize the inputs and data collection. CAMS, REMIS, ALSMS/ALERTS and/or manual data records should be used to develop forecasts. Installed and uninstalled equipment must be forecast. All time change items in use due to service life extensions must be included in the forecast.

3.4 LISTINGS OF SELECTED LIFE SUSTAINING ITEMS.

Many man-carrying parachutes and parachute components have a calendar year service life but cannot be listed in a -6 scheduled inspection and maintenance requirements manual. Items are not actually installed in the aircraft or may be moved from aircraft to aircraft and once service life begins, it continues to accrue even when the item is removed from service. The service life expiration date must be computed based on instructions contained in the applicable commodity series Technical Order (TO). An example of how to determine the service life expiration date is contained in TO 14D3-11-1, chapter 4. Because procurement lead-time may be 18 months or longer, a projection of replacement requirements is necessary to assure support. The following items have been selected for the special reporting prescribed by this TO. For those items contained in this chapter, the website automated AFTO Form 223 will be completed by the life support and maintenance organizations who have the responsibility for the maintenance of records. Items managed by DLA will be rolled up and transmitted by 311 HSW/YAC to DLA, during the normal annual submission.

TO 00-20-9

Table 3-1. Selected Calendar Time Change Life Sustaining Items

STOCK NUMBER	PART NUMBER	NOUN/NOMENCLATURE	EGR. IND.	APPLICABILITY
1660 01 421 0084	MR-10095AF	Emergency Passenger Oxygen System (EPOS)	E	Multi-Aircraft
1670 00 000 6440LS	MBEU23177	Line, Assy, Drogue Withdrawal	E	F-4
1670 00 020 5038LS	64D2162-6	Riser	E	B-57, T-33
1670 00 020 5039LS	64D2162-3	Riser	E	Multi (BA-22 Parachute)
1670 00 106 0743LS	68D207-1	Riser Ext	E	C-123, C-130, C-141
1670 00 106 6482LS	6752010	Harness, Personnel	E	C-123, C-130, C-141
1670 00 106 6483LS	67J2043	Pack, Personnel Parachute	E	Multi-Aircraft
1670 00 112 9861LS	48J6156-3	Canopy	E	C-141
1670 00 123 9080LS	MBEU34505	Parachute Assy Controller Drogue	E	F-4
1670 00 128 2290LS	68K147-1	Canopy, Personnel	E	Multi-Aircraft
1670 00 369 5444LS	68J5369	Harness, PCU-15 A/P	E	Multi-Aircraft
1670 00 377 6626LS	50C7041	Adapter, Riser	E	Multi-Aircraft
1670 00 377 9094LS	4857156-2	Canopy, Personnel	E	C-123, C-130, C-141
1670 00 451 1982LS	MBEU39295	Parachute Assembly, 5.00 FT	E	F-4 Stabilizer
1670 00 454 0926LS	685370	Harness, PCU-16 A/P	E	F-4, OV-10, A-7D Multi-Aircraft
1670 00 481 9760LS	MBEU38119	Strap, Extender	E	F-4
1670 00 486 4891LS	685420-101-	Harness, Personnel	E	Multi-Aircraft
1670 00 516 8068LS	5656126	Personnel Chute	E	Multi-Aircraft
1670-00-760-7933	387514-5	Restraint Harness	E	Multi Aircraft
1670 00 764 9647LS	MBEU4990PA	Line Assy-Withdrawal	E	F-4
1670 00 807 9436LS	5956706-30	Harness	E	Multi-Aircraft
1670 00 830 9134LS	59C6712	Riser	E	B-52
1670 00 834 8347LS	5956710	Harness	E	B-52H
1670 00 889 8322LS	MBEU34010	Line, Drogue Connecting	E	F-4
1670 00 891 1884LS	64D2162-4	Riser	E	Cargo Aircraft
1670 00 943 3024L	65K1533-101	Harness, Personnel	E	Multi-Aircraft, (BA-22 Parachute)
1670 01 003 4535LSS	7445709-10	Chute, Drogue	E	B-52
1670 01 003 4536LS	7445709-50	Chute, Drogue	E	B-52
1670 01 024 6642LS	68K147-7	Canopy, Personnel	E	C-130
1670 01 034 5836LS	GID51-474-505	Harness Assy, Ejection Seat	E	T-38, AT-38
1670 01 040 2569LS	GID21-288-503	Parachute Assy, Ejection Seat	E	T-38, AT-38
1670 01 040 5864LS	GID53-686-311	Sleeve Deployment, Ejection Seat	E	T-38, AT-38, F-5
1670 01 070 5208LS	D114549-501 D114549-505	Riser	E	ACESII
1670 01 236 3820	J5114551-505 J114551-501, J114551-505	Canopy, Personnel	E	ACES
1670 01 236 3822	50E6877-3A	Canopy, C9	E	F-4, T-37, T-38, AT-38, (BA-22 Parachute)

Table 3-1. Selected Calendar Time Change Life Sustaining Items - Continued

STOCK NUMBER	PART NUMBER	NOUN/NOMENCLATURE	EGR. IND.	APPLICABILITY
1670 01 250 5468	J5114712-503 J114712-501, J114712-505	Drogue Assy	E	ACES
1670 01 375 2098	D114549-505	ACES II Riser Assy.	E	A-10, F-15, F-16, F-117, B-1, B-2
1670 01 375 2118	7947313-60	Riser Strap (RH)	E	F-4
1670 01 375 2119	7947313-50	Riser Strap (LH)	E	F-4
1670 01 443 290	64D2162-3A	Riser Assy	E	B-52, B-1
1680-00-115-29128	MBEU35674	Line, Release Assy	E	F-4
1680 00 496 0290LS	683417-10	Strap Safety	E	Multi-Aircraft (Cargo)
1680 00 944 0107LS	MBEU167H5	Face Screen, Seat	E	F-4
1680 01 084 6923LS	MBEU54600	Strap Restraining	E	F-4
1680 01 100 6631LS	300900-5,811-00112	Environmental Sensor	E	ACESII
1680 01 163 1590	68E417-30	Strap, Safety	E	C-130
1680 01 195 1059	MBEJ74139	Strap Assy	E	F-4
1680 01 224 5696	811-00112-1	Environmental Sensor	E	B-1
1680 01 234 0811	811-00087	Velocity Sensor	E	B-1
1680 01 385 3630	811-00112-2	Sensing Unit	E	F-117
4220 01 167 7594	852AS101	Electronic Package Assembly	C	SEAWARS Seawars
4240 01 119 2315	D5-3-1500	Canister, C-2	E	M40/43 Mask
4240 01 217 0046LS	802300-11	Emergency Escape Breathing Device (EEBD)	N/A	Multi-Aircraft
4240 01 217 0046	802300-14	Protective Breathing Equipment (PBE)	E	Multi Aircraft, Cargo
4240 01 361 1319	5-3-1520	Canister, C-2A1	E	M40/43 Mask
6135 01 050 3193	7747390-10	Battery, AN/URT33CM	E	Multi-Aircraft
6135 01 056 4609	P4-01-0013-110	Power Unit	E	C-5 Slide
6135 01 088 2708	BA-5588/U08	Battery, Lithium	N/A	AEPR Blower Assembly
6135 01 115 2867	4SR44	Battery, Non Rechrq	E	
6135 01 167 7604	1837-004-01	Battery, Seawars	E	Fighters
6135 01 187 4382	MMI-90-301	Battery, AN/URT-33	E	B-1
6135 01 235 4168	BA-5112/U	Battery	E	AN/PRC-112
6135 01 268 2151	A544	Battery, LPU-9/P	E	Multi-Aircraft
6135 01 268 2151	152-99-5341	Battery, Non Rechrq	E	LPU-SP Mask
6135 01 455 7947	BA-5368/U	Battery, AN/PRC-90 (LITH)	E	All Aircraft
6135 01 455 9646	BA-5374/U	Battery, SDU-5/E Light (LITH)	E	All Aircraft
6135 01 47 3935	1784AS0999	Battery (Lithium) for AN/URT-33 C/M and AN/URT-33D		

CHAPTER 4

SELECTED CARTRIDGE/PROPELLANT ACTUATED DEVICES (CAD/PAD)

4.1 PURPOSE.

NOTE

Accurate CAD/PAD forecasting is a critical element of the TCI budgeting, procurement, and distribution process. Failure to submit an accurate forecast or provide accurate IMDS/G081 data will result in shortages and possible aircraft grounding. All CAD/PAD items sufficiently tracked in IMDS will no longer be required to be forecasted to OO-ALC. The Life Support Activity is responsible for submitting a manual AFTO Form 223 for any and all CAP/PAD TCIs listed in Table 4-1 that are utilized by Life Support but are not tracked in IMDS/G081.

The 784 CBSG/GJ at OO-ALC will use the Requirements Determination Module (RDM), which utilizes information from IMDS/G081 to determine future forecasts. The items listed in Table 4-1 still require submission of the AFTO Form 223 in accordance with this technical order.

4.1.1 Deleted

4.1.2 Deleted

4.2 Deleted

Paragraphs 4.2 – 4.7 have been deleted.

Table 4-1. Selected Cartridge/Propellant Actuated Devices

NSN	Part No.	Noun/Nomenclature	EGR. IND.	Applicability
1377-00-006-7879ES	834AS100	Initiator, JAU-13A	B	F-16
1377-00-006-7880ES	834AS150	Initiator, JAU-14A	B	F-16E/XL
1377-00-011-9082ES	100996-5	Parts Kit, Cutter	C	UH-1
1377-00-070-2490ES	2129300	Cartridge, Delay	B	QF-4
1377-00-119-2055ES	MBEU2785RU 4904216	Rocket Motor	B	QF-4
1377-00-125-0074ES	140121-1	Actuator, Kit Deployment	B	Forecast under 1377-01-299-9862ES
1377-00-125-7777ES	11820361	Rocket Catapult	B	T-38
1377-00-138-2871ES	2297300-2 2297800-1	Cartridge Remover	B	F-15A/C
1377-00-138-3770ES	812666-9	Initiator	B	F-15, forecast under 1377-01-166-4262ES
1377-00-172-0428ES	895408 895408-1	Cartridge	C	UH-1N
1377-00-174-5024ES	895409 895409-1	Cartridge	C	UH-1N
1377-00-188-4086ES	30900400 200830	Cartridge, Fire Extinguisher	C	UH-1N
1377-00-193-4910ES	MBEU50058-1	Cartridge, Impulse	B	QF-4
1377-00-222-9062ES	11731474	Initiator, M113	B	T-37
1377-00-238-0552ES	2130300-1	Initiator	B	QF-4, F-15
1377-00-238-0553ES	2129300-1	Cartridge	B	QF-4

T.O. 00-20-9

Table 4-1. Selected Cartridge/Propellant Actuated Devices - Continued

NSN	Part No.	Noun/Nomenclature	EGR. IND.	Applicability
1377-00-238-0554ES	21301900-1 21301900-2	Initiator	B	QF-4, F-15
1377-00-241-1595ES	807991	Gas Generator	C	HC130
1377-00-245-7970ES	21291700-1	Cartridge	B	QF-4
1377-00-261-5371ES	21084-7	Cartridge	B	F-15
1377-00-262-1679ES	11743975	Catapult	B	Forecast under 1377-01-359-3194ES
1377-00-280-0272ES	30903802-1 113044-1 201250, 2- 102430-1	Cartridge, Fire Extinguisher	C	F-15
1377-00-299-1500ES	2293100	Initiator	B	F-15, forecast under 1377-01-262-0521ES
1377-00-299-1511ES	812666-11	Initiator	B	F-15B/D/E
1377-00-299-1512ES	2271500-1	Initiator	B	F-15
1377-00-299-1515ES	113355	Initiator	B	F-15B/D/E
1377-00-322-0778ES	2271700-2	Initiator	B	F-15
1377-00-349-3943ES	50905-3	Selector	B	F-15B/D/E
1377-00-349-3950ES	2404300-1	Canopy Remover Cartridge	B	F-15B/D/E, forecast under 1377-01-202-9195ES
1377-00-403-4827ES	11731737	JAU-8/A25A Initiator	B	A-10, F-117, F16, F-15
1377-00-412-3205ES	2197200	Cartridge, Impulse	B	QF-4
1377-00-448-8898ES	21301900	Initiator, Gas	B	QF-4
1377-00-489-1549ES	10069C002 1811-002-04	Container, Gas	B	E-3A, F117
1377-00-554-3103ES	11730533	Thruster, M25A1 (M25)	B	T-38
1377-00-596-9673ES	805300-24 200340 2- 100210	Squib	C	C-5A/B
1377-00-607-0306ES	8595439	Remover, M4	B	A-10
1377-00-607-0316ES	8594746	Thruster, M5A2	B	B-52
1377-00-628-5178ES	8593635	Catapult, M3A1	B	B-52/H
1377-00-628-5179ES	8593669	Catapult, M4A1	B	B-52/H
1377-00-628-5180ES	8593731	Remover, M1A3	B	Forecast under 1377-01-364-3955ES
1377-00-677-6281ES	4199-1 802465-2 074053-1	Squib, Fire Extinguisher	C	C-130B, E, H, P
1377-00-686-2266ES	13083-45 200940	Fire Extinguisher Cartridge	C	C-141
1377-00-720-3595ES	10521565	Thruster, M11	B	U2
1377-00-724-9886ES	10520555	Initiator, M28	B	B-52/H
1377-00-731-9271ES	10520405	Initiator, M99	B	A-10A, F-15A/B, F-16
1377-00-731-9272ES	10520619	Initiator, M53	B	A-10A, F-16, T-38, T38A

Table 4-1. Selected Cartridge/Propellant Actuated Devices - Continued

NSN	Part No.	Noun/Nomenclature	EGR. IND.	Applicability
1377-00-756-1384ES	841155 841155-1 200230	Cartridge, Fire Extinguisher	C	H-3, T-39, T- 29, TC- 135B, C-131,C-137, C-130A/D
1377-00-756-3499ES	8595251	Initiator, M31	B	T-38
1377-00-824-2916ES	20042 2-100040 805300-2 2-102390-1	Squib, Fire Extinguisher	C	C-5A/B
1377-00-825-4910ES	2130300	Initiator, Pressure Operated	B	QF-4
1377-00-825-4911ES	21291700	Cartridge, Delay	B	QF-4
1377-00-845-1058ES	8597941	Initiator, M26	B	B-52, A-10, T-38
1377-00-845-1059ES	10520550	Initiator, M-27	B	T-38, B-52
1377-00-845-5242ES	2519696	Cartridge Set	B	QF-4
1377-00-849-0214ES	10521321	Thruster, M16	B	B-52/H
1377-00-883-8997ES	MBEU7536-1 2520002	Cartridge, Impulse	B	QF-4
1377-00-883-8998ES	2519698 MBEU16650-1 2164783	Cartridge, Impulse	B	QF-4
1377-00-891-5488ES	8593854	Thruster, M1A2	B	B-52
1377-00-891-6310ES	1000-34	Actuator, Rotary	B	B-52
1377-00-891-6318ES	1000-44	Actuator, Rotary	B	B-52
1377-00-891-6319ES	1000-45	Actuator, Rotary	B	T-37
1377-00-899-8874ES	8596170	Initiator, M5A2	B	B-52
1377-00-918-8533ES	13083-5200730	Squib, Fire Extinguisher	C	UH-1N
1377-00-921-5048ES	8593873	Thruster, M2A2	B	B-52
1377-00-926-9413ES	8595409-1	Initiator, M32A1	B	T-37
1377-00-926-9415ES	10520232-1	Initiator, M49A1	B	B-52D
1377-00-932-5031ES	8595821-1	Initiator, M3A2	B	B-52, QF-4, T-37
1377-00-953-5567ES	10522629	Thruster, M3A3	B	B-52/H, T-37B
1377-00-978-7644ES	100996-1	Cutter, Cartridge	C	UH-1N
1377-01-003-1175ES	50577-51	Parts Kit, Egress System	C	AC-130H
1377-01-015-6422ES	1018-500	Drogue Gun	B	T-38
1377-01-017-0601ES	1130-1	Initiator Cartridge	B	QF-4, F-15B/D/E
1377-01-017-0602ES	1131-1	Cartridge, Delay	B	F-15A/C
1377-01-017-0612ES	1132-1	Cartridge Delay	B	QF-4
1377-01-017-0613ES	1133-1	Cartridge Delay	B	QF-4
1377-01-036-8514ES	1175AS100	Rocket Motor	B	QF-4
1377-01-037-8538ES	30903801 200430 2-100170	Cartridge, Fire Extinguisher	C	E-3A
1377-01-043-8275ES	874000, -01	Cartridge	C	E-3A
1377-01-044-6367ES	30903823 200770	Squib	C	A-10
1377-01-047-7458ES	1007-4	Initiator, Cartridge	B	F5F, T-38
1377-01-049-7586ES	1000-54	Rotary Actuator	B	T-38

T.O. 00-20-9

Table 4-1. Selected Cartridge/Propellant Actuated Devices - Continued

NSN	Part No.	Noun/Nomenclature	EGR. IND.	Applicability
1377-01-052-8206ES	1002-41	Cartridge, Harness Release	B	A-10, F-15, F-16, B-2A, F-117, F-22
1377-01-052-8207ES	1005-3	Cartridge, Mortar	B	A-10, F-15, F-16, B-2A, F-117, F-22
1377-01-052-8208ES	1003-24	Cartridge, Drogue Gun	B	A-10, F-15, F-16, B-2A, F-117, F-22
1377-01-052-8209ES	ISE172-1.15	Cartridge Reefing Line	C	A-10, F-15, F-16, B-2A, F-117, F-22
1377-01-052-8210ES	ISE172-4.0	Cutter, Survival Kit Cord	C	A-10, F-15, F-16, B-2A, F-117, F-22
1377-01-053-0537ES	1004-3	Gas Generator, Gyro Spin Up	B	A-10, F-15, F-16, B-2A, F-117, F-22
1377-01-053-0586ES	50436-5	Rocket Motor	B	A-10, F-15, F-16, B-2A, F-117
1377-01-053-0587ES	1143-3	Divergence Rocket Motor	B	F-15B/D/E, A-10, F-16, F-117, B-2A
1377-01-053-7877ES	16K0341-1	Detonation Transfer Assembly	B	F-16
1377-01-053-7878ES	16K0341-18	Detonation Transfer Assembly	B	F-16
1377-01-053-7879ES	16K0341-3	Detonation Transfer Assembly	B	F-16
1377-01-053-7880ES	16K0341-4	Detonation Transfer Assembly	B	F-16
1377-01-053-7881ES	16K0341-5	Detonation Transfer Assembly	B	F-16
1377-01-053-7882ES	16K0341-19	Detonation Transfer Assembly	B	Forecast under 1377-01-198-7480ES
1377-01-053-7883ES	16K0341-20	Detonation Transfer Assembly	B	Forecast under 1377-01-198-7480ES
1377-01-053-7884ES	51126-1	Detonation Transfer Assembly	B	F-16
1377-01-053-7885ES	51126-2	Detonation Transfer Assembly	B	F-16
1377-01-053-7888ES	16K0341-9	Detonation Transfer Assembly	B	F-16
1377-01-053-7889ES	16K0341-10	Detonation Transfer Assembly	B	F-16
1377-01-053-7891ES	16K0341-8	Detonation Transfer Assembly	B	F-16
1377-01-053-8604ES	2101246-17-1 822601-505, 28700-20, A114520-541	Sequencer	B	A10
1377-01-053-9320ES	2101246-19-1 822601-501, 8700-19, A114520-539	Sequencer	B	F-16, F-15, F-117, F-22
1377-01-054-2911ES	2651100	Initiator	B	F-16
1377-01-054-2912ES	2650100	Initiator	B	F-16
1377-01-054-9949ES	51064-2	Detonation Assembly	B	F-16
1377-01-054-9950ES	51092-3	Detonation Assembly	B	F-16

Table 4-1. Selected Cartridge/Propellant Actuated Devices - Continued

NSN	Part No.	Noun/Nomenclature	EGR. IND.	Applicability
1377-01-055-8621ES	16K2038-1	Detonation Transfer Assembly	B	F-16
1377-01-055-8622ES	16K2038-2	Detonation Transfer Assembly	B	F-16
1377-01-055-8624ES	16K2038-42	Detonation Transfer Assembly	B	F-16
1377-01-055-8626ES	16K2038-33	Detonation Transfer Assembly	B	F-16
1377-01-055-8627ES	16K2038-34	Detonation Transfer Assembly	B	F-16
1377-01-055-8628ES	16K2038-22	Detonation Transfer Assembly	B	F-16
1377-01-055-9964ES	51062-3	Line Assembly Detonation	B	F-16
1377-01-056-4521ES	16K2038-24	Detonation Transfer Assembly	B	F-16
1377-01-056-4524ES	16K2038-37	Detonation Transfer Assembly	B	F-16
1377-01-056-4525ES	16K2038-29	Detonation Transfer Assembly	B	F-16
1377-01-056-4526ES	16K2038-35	Detonation Transfer Assembly	B	F-16
1377-01-056-4527ES	16K2038-36	Detonation Transfer Assembly	B	F-16
1377-01-056-4528ES	16K2038-31	Detonation Transfer Assembly	B	Forecast under 1377-01-144-8482ES
1377-01-056-4529ES	16K2038-32	Detonation Transfer Assembly	B	Forecast under 1377-01-144-8482ES
1377-01-056-8642ES	51062-4	Line Assembly Detonation	B	F-16
1377-01-056-8643ES	51062-6	Line Assembly Detonation	B	F-16
1377-01-056-8644ES	51062-7	Line Assembly Detonation	B	F-16
1377-01-057-5431ES	2820100-2	Remover	B	F-16
1377-01-058-0122ES	2820100-1	Rocket Canopy	B	F-16
1377-01-061-2268ES	16K2038-30	Detonation Transfer Assembly	B	F-16
1377-01-061-5738ES	5184875	CKU-8/A Catapult	B	T-37
1377-01-063-2198ES	2271100-1 6028100	Initiator	B	F-15
1377-01-063-9732ES	51092-4	Detonation Transfer Assembly	B	F-16
1377-01-063-9733ES	51092-5	Detonation Transfer Assembly	B	F-16
1377-01-073-2190ES	1220-1	Initiator	B	F-16
1377-01-073-3831ES	K303104-1	Refire Kit	C	H-60
1377-01-073-9444ES	51062-8	Line Assembly	B	F-16
1377-01-073-9445ES	51062-9	Line Assembly	B	F-16
1377-01-079-2663ES	16K0341-25	Detonation Transfer Assembly	B	F-16
1377-01-079-2664ES	16K0341-26	Detonation Transfer Assembly	B	F-16
1377-01-079-5328ES	16K2038-38	Detonation Transfer Assembly	B	F-16
1377-01-083-8459ES	31-1999932- 004X	Initiator, Fire Ext	C	C130H Simulator
1377-01-083-8459ES	811318-6 6012100-02	Droge FLSC Severance Assembly	B	F-15, F-16, A-10, B-2A, F-117
1377-01-084-9358ES	6010600	Cartridge, Booster	C	C-5, C-130, KC-135, C-141 B-52, T-37, T-38, F102, F-22
1377-01-085-5974ES	2652100-2	Bolt, Release	B	F-16
1377-01-087-2190ES	16K0341-27	Detonation Transfer Assembly	B	Forecast under 1377-01-144-8481ES
1377-01-087-5166ES	303104-1	Cable Cutter	C	UH-1, UH-60

T.O. 00-20-9

Table 4-1. Selected Cartridge/Propellant Actuated Devices - Continued

NSN	Part No.	Noun/Nomenclature	EGR. IND.	Applicability
1377-01-090-7557ES	6022100	Cartridge	C	C-130, C-141,
1377-01-099-8087ES	16K0341-32	Detonation Transfer Assembly	B	F-16
1377-01-099-8088ES	16K0341-33	Detonation Transfer Assembly	B	F-16
1377-01-099-8089ES	16K0341-34	Detonation Transfer Assembly	B	F-16
1377-01-102-2219ES	1255-1	Initiator, Delay	B	F-16
1377-01-102-8963ES	1256-1	Initiator, Delay	B	F-16
1377-01-111-6840ES	16K0341-35	Detonation Transfer Assembly	B	F-16
1377-01-112-6951ES	16K2038-46	Detonation Transfer Assembly	B	F-16
1377-01-112-6952ES	16K2038-45	Detonation Transfer Assembly	B	F-16
1377-01-112-6953ES	16K2038-43	Detonation Transfer Assembly	B	F-16
1377-01-112-6954ES	16K0341-36	Detonation Transfer Assembly	B	F-16
1377-01-114-2034ES	MBEU69690	Impulse Ctg.	B	T-6
1377-01-114-2035ES	MBEU69692	Impulse Ctg.	B	T-6
1377-01-115-3850ES	16K2038-44	Detonation Transfer Assembly	B	F-16
1377-01-115-3851ES	51142-3	Detonation Transfer Assembly	B	F-16
1377-01-125-9407ES	361-26106-508 819209-1	Pressure Actuated Explosive Device	B	B-52
1377-01-125-9500ES	361-26106-522 819146-12	SMDC	B	B-52
1377-01-125-9501ES	361-26106-521 819146-11	SMDC	B	B-52
1377-01-125-9502ES	361-26106-520 819146-10	SMDC	B	B-52
1377-01-125-9503ES	361-26106-519 819146-9	SMDC	B	B-52
1377-01-125-9504ES	361-26106-509 819146-7	SMDC	B	B-52
1377-01-125-9505ES	361-26106-504 819146-2	SMDC	B	B-52
1377-01-125-9506ES	361-26106-503 819146-1	SMDC	B	B-52
1377-01-126-7690ES	361-26106-516 818696-3	Gas Generator	B	B-52
1377-01-128-8405ES	361-26106-4 818699-1 818699-2	Electric Detonator	B	B-52
1377-01-137-6039ES	1010-4	Initiator	B	T-38
1377-01-137-6040ES	1139-5	Initiator	B	T-38
1377-01-139-2835ES	51281-721	Detonation Transfer Assembly	B	F-16
1377-01-140-4415ES	51281-722	Detonation Transfer Assembly	B	F-16
1377-01-144-8481ES	51281-723	Detonation Transfer Assembly	B	F-16
1377-01-144-8482ES	51281-724	Detonation Transfer Assembly	B	F-16
1377-01-156-4139ES	1810-023-02	Cutter, Propellant Activated	B	EC-130H
1377-01-160-6506ES	51281-725	Detonation Transfer Assembly	B	F-16
1377-01-165-2080ES	6028400	Initiator	B	F-15B/D/E

Table 4-1. Selected Cartridge/Propellant Actuated Devices - Continued

NSN	Part No.	Noun/Nomenclature	EGR. IND.	Applicability
1377-01-166-4261ES	0113226-23 0113226-3	Initiator, Inertial Reel	B	QF-4, A-10, T-33, F-15, F-16, F-117, T-38, QF-106, B-2A
1377-01-166-4262ES	6028300	Initiator	B	F-15
1377-01-166-4263ES	6036100	Initiator	B	F-15
1377-01-166-4264ES	6028100	Initiator	B	F-15
1377-01-166-4265ES	6028200	Initiator	B	F-15
1377-01-166-4266ES	6036300	Initiator	B	F-15
1377-01-167-6621ES	6036200, 6036200-01	Initiator	B	F-15B/D/E
1377-01-168-2559ES	6047100	Cartridge, Delay 0.25 Second	B	T-38
1377-01-168-4419ES	6046100	Cartridge	B	T-37
1377-01-169-7797ES	5184322	Rocket Catapult	B	A-10, B-1B, F-15, F-16, B-2, F-117 forecast under 1377-01-359-3194ES
1377-01-185-2622ES	30903824-1 1512AS105 201170	Cartridge, Fire Extinguisher	C	H-60
1377-01-198-7480ES	51281-729	Detonation Transfer Assembly	B	F-16
1377-01-198-7481ES	51281-727	Detonation Transfer Assembly	B	F-16
1377-01-198-7482ES	51281-728	Detonation Transfer Assembly	B	F-16
1377-01-198-7483ES	51281-733	Detonation Transfer Assembly	B	F-16
1377-01-198-7484ES	51281-734	Detonation Transfer Assembly	B	F-16
1377-01-198-7485ES	51281-735	Detonation Transfer Assembly	B	F-16
1377-01-200-2429ES	51476-732	Detonation Transfer Assembly	B	F-16
1377-01-200-9008ES	51281-737	Detonation Transfer Assembly	B	F-16
1377-01-200-9009ES	51281-738	Detonation Transfer Assembly	B	F-16
1377-01-200-9010ES	51281-739	Detonation Transfer Assembly	B	F-16
1377-01-200-9011ES	51281-740	Detonation Transfer Assembly	B	F-16
1377-01-200-9012ES	51281-741	Detonation Transfer Assembly	B	F-16
1377-01-200-9013ES	51281-726	Detonation Transfer Assembly	B	F-16
1377-01-200-9014ES	51281-742	Detonation Transfer Assembly	B	F-16
1377-01-200-9015ES	51281-743	Detonation Transfer Assembly	B	F-16
1377-01-200-9016ES	51281-744	Detonation Transfer Assembly	B	F-16
1377-01-200-9017ES	51281-746	Detonation Transfer Assembly	B	F-16
1377-01-200-9018ES	51281-745	Detonation Transfer Assembly	B	F-16
1377-01-200-9019ES	51281-736	Detonation Transfer Assembly	B	F-16
1377-01-201-5515ES	51281-730	Detonation Transfer Assembly	B	F-16
1377-01-202-9195ES	2404800-1	Cartridge	B	F-15B/D/E
1377-01-203-1959ES	821019-1	Initiator	B	F-15
1377-01-203-1960ES	821019-3	Initiator	B	F-15B/D/E
1377-01-203-1961ES	2293200-1	Initiator	B	F-15
1377-01-203-8651ES	821020-1	Initiator	B	F-15B/D/E
1377-01-203-9713ES	51476-731	Detonation Transfer Assembly	B	F-16

T.O. 00-20-9

Table 4-1. Selected Cartridge/Propellant Actuated Devices - Continued

NSN	Part No.	Noun/Nomenclature	EGR. IND.	Applicability
1377-01-211-7211ES	1512AS121	Cartridge, Cargo Hook	C	H-60, C-135, WC-135, OC-135, NKC-135
1377-01-211-7212ES	1512AS120	Thruster	C	H-60
1377-01-212-8583ES	3215-2	Cartridge, External Hoist	C	UH-1NF, HH-3E/4, HH-53H/CH, HH-53B/C
1377-01-216-4889ES	6061100	Cartridge Delay	B	B-52
1377-01-220-3746ES	8168890-1	Initiator	B	F-15B/D/E (no B-1B)
1377-01-225-8235ES	878492 878492-1 200330-3	Fire Extinguisher Cartridge	C	KC-135R
1377-01-234-0706ES	6012100-02	Drogue, Severance Cutter, (Scot)	B	A-10, F-15, F-16, F-117, B-2A, F-22
1377-01-234-0912ES	878493 878493-1 200330-4	Cartridge, Actuator Assembly Antenna	C	KC-135R
1377-01-240-3600ES	51281-749	Detonation Transfer Assembly	B	F-16
1377-01-242-4838ES	1810-025-01	Rod End Cutter	C	EC-130H
1377-01-250-1292ES	51655-751	Detonation Transfer Assembly	B	F-16
1377-01-250-1293ES	56155-752	Detonation Transfer Assembly	B	F-16
1377-01-255-1598ES	309903861, 2-101200-1	Fire Extinguisher Cartridge	C	KC-135R
1377-01-255-1650ES	50436-11	Rocket Motor	B	F-16, A-10, F-15, B-2A, F-117
1377-01-255-2382ES	2-101200-2, 101200-2	Fire Extinguisher Cartridge	C	KC-135R
1377-01-257-9467ES	6074100	Initiator, Man Actuated	C	F-16
1377-01-262-0521ES	6064200	Initiator, Stab	B	F-15
1377-01-263-3627ES	897899-1897899	Cartridge, Fire Extinguisher	C	H-60
1377-01-277-2868ES	1621-295-01 8566522	Cartridge Assembly	B	All A/C except F-16
1377-01-277-2869ES	1621-296-01 8566532	Cartridge Assembly	C	F-16
1377-01-287-4174ES	6065400	Initiator	B	F-15B/D/E
1377-01-289-4632ES	6065300	Initiator	B	F-15
1377-01-289-8570ES	3891-1	External Hoist Cart	C	HH060G
1377-01-297-5283ES	519-1952-014	Cartridge, Operating, Fire	C	De-icer trucks
1377-01-299-9862ES	6014100-01	Kit Deployment Actuator	B	QF-4, B-52, T-38
1377-01-312-3511ES	CAP-12115B CAP-12115C A115932-1	Power Supply	B	A-10, F-15, F-16, F-117, B-2, F-22
1377-01-318-1830ES	1340-1	Rocket Motor	B	A-10, F-15, F-16, F-117, B-2A
1377-01-318-5643ES	235031-1	Charge, Shape	B	B-2A
1377-01-318-5644ES	235031-2	Charge, Shape	B	B-2A
1377-01-318-5645ES	235032-1	Charge, Shape	B	B-2A
1377-01-318-5646ES	235032-2	Charge, Shape	B	B-2A
1377-01-318-5647ES	3854100-2	INIT, CTG Actuated	B	B-2A
1377-01-318-5648ES	3862100-4	INIT, Ambient Press	B	B-2A

Table 4-1. Selected Cartridge/Propellant Actuated Devices - Continued

NSN	Part No.	Noun/Nomenclature	EGR. IND.	Applicability
1377-01-318-7696ES	3123900-6	Initiator, 2.0 sec delay	B	F-15B/D/E
1377-01-318-7697ES	3123900-5	Initiator, 1.5 sec delay	B	F-15B/D/E
1377-01-319-3847ES	6066100-02	Gas Generator Gyro Spin-Up	B	A-10, B-2A, F-15, F-16, F-117, F-22
1377-01-322-0071ES	9392046-1	Cartridge, Drogue Gun	B	A-10, B-2A, F-15, F-16, F-117, F-22
1377-01-322-6334ES	6067100 A114311-503	Cartridge, Mortar	B	A-10, B-2A, F-15, F-16, F-117, F-22
1377-01-326-1466ES	9094252-10	Flu 9 Inflation Device	C	A-10, B-2, F-15, F-16, F-117, F-22
1377-01-327-7872ES	1517-002	Rocket Motor Canopy Jettison	B	F-16, Forecast under 1377-01-057-5431ES
1377-01-327-7873ES	1517-001	Rocket Motor Canopy Jettison	B	Forecast under 1377-01-058-0122ES
1377-01-332-2379ES	CI-1.15	Reefing Line Cutter	C	A-10, B-2A, F-15, F-16, F-117, F-22
1377-01-333-9143ES	CI-4.0	Locking Cord Cutter	C	A-10, B-2A, F-15, F-16, F-117, F-22
1377-01-336-6648ES	877597-1, 2-102060-1 201240	Cartridge, Power Device	C	B-1
1377-01-340-3042ES	10595-1	Catapult (alt for CKU 8)	B	T-37
1377-01-346-2215ES	1258-1	Initiator	B	F-117A
1377-01-346-2216ES	1257-1	Initiator	B	F-117A
1377-01-346-2217ES	1007-3	Initiator	B	F-117A
1377-01-346-2218ES	1008-3	Initiator	B	F-117A
1377-01-346-2219ES	6101100-04	1.0 Sec Dual Delay Initiator	B	F16B/D
1377-01-346-2220ES	6101100-05	.33 Sec Dual Delay Initiator	B	F16B/D
1377-01-346-2221ES	6101100-06	.4 Sec Dual Delay Initiator	B	F16B/D
1377-01-346-2222ES	1358-1	Thruster, Unlatch	B	F-117A
1377-01-346-2223ES	1253-1	Remover Canopy	B	F-117A
1377-01-348-6479ES	1259-2	Cable Cutter	C	F-117A
1377-01-348-6480ES	1179-2	Valve, Jettison	B	F-117A
1377-01-348-6481ES	1179-1	Valve, Jettison	B	F-117A
1377-01-352-4147ES	51499-3L-3L-210	DTA	B	B-2A
1377-01-352-4149ES	51499-3L-4H- 302	DTA	B	B-2A
1377-01-352-4150ES	51499-3L-4H- 506	DTA	B	B-2A
1377-01-352-4160ES	446041 2-102190-1	CTG, Discharge	B	B-2A
1377-01-352-4161ES	3860100-2	INIT, 0.4 Sec Delay	B	B-2A
1377-01-352-4162ES	3861100-2	INIT, 2.75 Sec Delay	B	B-2A
1377-01-352-4163ES	3942100-1	INIT, 0.15 Sec Delay	B	B-2A
1377-01-352-4195ES	3811300	RKT MT, Hatch Jett	B	B-2A
1377-01-355-0088ES	6104100	0.4 Sec Initiator	B	F-15B/D/E

T.O. 00-20-9

Table 4-1. Selected Cartridge/Propellant Actuated Devices - Continued

NSN	Part No.	Noun/Nomenclature	EGR. IND.	Applicability
1377-01-359-3194ES	6610113 5184322 11743975	Catapult CKU-5/B/A	B	A-10, B-1B, B-2A, F-15, F-16, F-117
1377-01-360-4900ES	6107100	Cartridge	C	T-38
1377-01-360-4902ES	6107300	Cartridge, MK4	C	B-52
1377-01-360-4903ES	6107400	Cartridge	C	T-37
1377-01-360-4904ES	6107500	Cartridge	C	B-52, KC-135, C-130, C-141, C-5, C-17
1377-01-364-3955ES	6783541	Remover, M1A3	B	T-37
1377-01-368-5411ES	9392046-2	Cartridge, Harness Release	B	A-10, B-2A, F-15, F-16, F-117, F-22
1377-01-380-1682ES	9198851-10	PADD	C	F-16, F-15, A-10, B-1B, B-2, F-117, B-52, F-22
1377-01-382-0647ES	824355-2	Initiator, External	C	C-17
1377-01-382-0650ES	824054-101	Initiator, External	C	C-17
1377-01-382-0670ES	824355-1	Initiator, External	C	C-17
1377-01-382-8535ES	2101246-18-1	Sequencer	B	B-2
1377-01-386-7676ES	1812-147-01	Flu 9 Inflation Device	C	F-15, F-16, F-117, A-10, B-1B, B-2, F-22
1377-01-393-4790ES	824036-1	Cart, Retractor Press	C	C-17
1377-01-391-5415ES	446161	Cart, Fire Extinguisher	C	C-17
1377-01-394-1271ES	1814-017-02	UWARS (Frost)	C	B-1B, B-2,
1377-01-394-1272ES	1814-017-01	UWARS (Koch)	C	A-10, B-1B, F-16, F-22 B-52, F-15, F-117, KC-135, QF-4
1377-01-414-8933ES	6121100	.075 Sec Delay Cart	B	F-15A/C
1377-01-414-8934ES	16122100	1.5 Sec Delay Cart	B	F-15B/D/E
1377-01-414-8935ES	6123100	2.0 Sec Delay Initiator	B	F-15B/D/E
1377-01-419-8796ES	873364-1	Cart, Fire Extinguisher	C	HH-53
1377-01-425-0548ES	6124100	Initiator Gas/Gas	B	F15B/D/E
1377-01-425-9738ES	825243-1	Panel Assembly, Forward L.	C	C-17
1377-01-425-9750ES	825243-2	Panel Assembly, Forward R.	C	C-17
1377-01-425-9737ES	825244-1	Panel Assembly, Aft L.	C	C-17
1377-01-425-9749ES	825244-2	Panel Assembly, Aft R.	C	C-17
1377-01-437-4075ES	826213	Cartridge, Selector	B	F-15B/D/E
1377-01-444-3631ES	DAA3122P023- 125 15602-3	Actuator, Pyrotech	B	B-2
1377-01-448-9856ES	9510382-10	Expl Cord Set	C	C-17
1377-01-454-9864ES	1812-181-01	FLU 9 Flotation Device	C	F-15, F-16, F117, A10, B-1B, B-2, T-6, T-38, AT-38, F-22
1377-01-449-7712ES	DAA3122P023- 123	Actuator Kit	B	B-2

Table 4-1. Selected Cartridge/Propellant Actuated Devices - Continued

NSN	Part No.	Noun/Nomenclature	EGR. IND.	Applicability
1377-01-463-2595ES	51405-2	Tailhook Panel Severance	C	F-117
1377-01-463-3341ES	51406-2	Tailhook Initiator	C	F-117
1377-01-472-6459ES	2-102340-1	Divergence Rocket Motor	B	B-2A, F-15, F-16
1377-01-476-6457ES	215311	Cutter, Propellant	C	EC-130
1377-01-476-8952ES	215310	Cutter, Propellant	C	EC-130
1377-01-479-9295ES	6139100	Mode Selector	B	F-15B/D/E
1377-01-482-7510ES	60450E50152	Initiator, JAU-81/A	B	T-6
1377-01-482-7518ES	60450E50153	Initiator, JAU-82/A	B	T-6
1377-01-483-4269ES	826810-3	Cord Assy, Deton	B	T-6
1377-01-483-4271ES	826810-4	Cord Assy, Deton	B	T-6
1377-01-483-4272ES	826814-5	Cord Assy, Deton	B	T-6
1377-01-483-4273ES	826814-8	Cord Assy, Deton	B	T-6
1377-01-483-4274ES	826814-7	Cord Assy, Deton	B	T-6
1377-01-483-4275ES	826814-6	Cord Assy, Deton	B	T-6
1377-01-483-4350ES	826812-2	Donor Assembly	B	T-6
1377-01-483-4351ES	826812-1	Donor Assembly	B	T-6
1377-01-483-4353ES	826813-1	Actuator, Mechanical, ATU-136/A	B	T-6
1377-01-486-6045ES	827843-02	Panel Assy, Right Fwd	C	C-17A
1377-01-486-9700ES	827844-01	Panel Assy, Left Fwd	C	C-17A
1377-01-487-1952ES	827843-01	Panel Assy, Right Hand Aft	C	C-17A
1377-01-487-0148ES	827844-02	Panel Assy, Right Hand Aft	C	C-17A
1377-01-492-4305ES	1814-021-01	Cutter, Cartridge MLU-62/P25P	C	F-15, F-16, A-10, B-1B, B-2A, F-117, B-52, F-22
1377-01-496-2522ES	1853-011	Drogue FLSC Severance Assy	B	F-15, F-16, A-10, B-2A, F-117, F-22
1377-01-499-8853ES	200210068-10	Cord Set (Kit)	B	B-2A
1377-01-503-8280ES	60450E50151	Initiator, JAU-80/A	B	T-6
1377-01-503-8425ES	826808-1	FLSC	B	T-6
1377-01-503-8647ES	60450E50102 or 2-800090-1	Laser Detonator, CCU-158	E	T-6
1377-01-503-8731ES	MBEU164759	Impulse Ctg, CCU-152/A	B	T-6
1377-01-503-8737ES	MBEU179518-1	Impulse Ctg, CCU-153/A	B	T-6
1377-01-503-8797ES	MBEU185260	Impulse Ctg, CCU-154/A	B	T-6
1377-01-503-8880ES	MBEU179750-2	Impulse Ctg, CCU-155/A	B	T-6
1377-01-503-8932ES	MBEU179022-1 or 826746-1	Initiator, JAU-79/A	B	T-6
1377-01-503-8936ES	MBEU179023-1 or 826746-2	Initiator, JAU-78/A	B	T-6
1377-01-503-8967ES	MBEU179154	Impulse Ctg, CCU-156/A	B	T-6
1377-01-503-8982ES	MBEU179871	Impulse Ctg, CCU-157/A	B	T-6
1377-01-505-5212ES	30903948-1	Fire Ext Ctg, APU	C	F-22
1377-01-505-5213ES	30903946-1	Fire Ext Ctg, LH EN	C	F-22
1377-01-505-5214ES	30903947-1	Fire Ext Ctg, RH EN	C	F-22

T.O. 00-20-9

Table 4-1. Selected Cartridge/Propellant Actuated Devices - Continued

NSN	Part No.	Noun/Nomenclature	EGR. IND.	Applicability
1377-01-505-5215ES	873571-02	Fire Ext Ctg, (Joint Star)	C	E-8
1377-01-512-4035ES	512-174-0110	CKU-7A/A Catapult	B	T-38
1377-01-515-0929ES	200310579-10	DTA Ship Set	B	F-16 A/C
1377-01-515-0933ES	200310580-10	DTA Ship Set	B	F-16 B/D
1377-01-515-0934ES	200310619-10	ECRL Ship Set	B	F-16 A/C
1377-01-515-0935ES	200310620-10	ECRL Ship Set	B	F-16 B/D
1377-01-515-3484ES	12357300	EED, Dual Bridge-Wire	B	F-22
1377-01-515-3485ES	12350100-3	Canopy Remover Thruster	B	F-22
1377-01-515-3486ES	12830130	Zeroize Cutter Assy	C	F-22
1377-01-515-3487ES	12357100-1	EED, Single Bridgewire Canopy Thruster, Rkt Motor	B	F-22
1377-01-515-3489ES	12351100-4	Canopy Remover Rocket	B	F-22
1377-01-515-5924ES	10000811-501	Thermal Battery	B	F-22
1377-01-515-5927ES	12357200-1	EED, Dual Bridgewire	B	F-22
1377-01-517-5493ES	55000-2	Canopy Remover, Rkt Motor	B	F-16
1377-01-517-5499ES	55000-1	Canopy Remover, Rkt Motor	B	F-16
1377-01-518-9681ES	9510382-30	Explosive Cord Set	C	C-17
1377-01-519-3359ES	2335-16	Actuator, Seat/Foot Retractor	B	U-2
1377-01-519-3360ES	1000-215	Rotary Actuator	B	U-2
1377-01-519-3361ES	S04-10008-13	Initiator, Dual Gas Fired	B	U-2
1377-01-519-3362ES	S04-10007-13	Initiator, Dual Mechanically Fired	B	U-2
1377-01-519-3366ES	S04-10009-13	Initiator, Dual Gas Fired 0.3 Second Delay	B	U-2
1377-01-519-3369ES	S04-10010-13	Initiator, Dual Gas Fired 1.0 Second Delay	B	U-2
1377-01-519-3370ES	S04-10024-530	Initiator, Aneroid Actuator	B	U-2
1377-01-519-3848ES	S05-10018-13	Cartridge Assy, Drogue Gun	B	U-2
1377-01-519-4076ES	1201143-13	Cutter, Riser Line, Lower	B	U-2
1377-01-519-4080ES	1201143-14	Cutter, Riser Line, Lower	B	U-2
1377-01-519-4084ES	1201144-19	Cutter, Bridle, Upper	B	U-2
1377-01-519-4086ES	1001-503	Catapult, Rocket	B	U-2
1377-01-519-4091ES	1252-5 or 1252-6	Thruster, Canopy Unlatch	B	U-2
1377-01-519-4094ES	S05-10109-14	Drogue Gun, Cable Actuated	B	U-2
1377-01-520-3116ES	6154100	Initiator, .40 Second Delay	B	B-2
6135-00-488-4478ES	2204100	Battery	C	QF-4
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