



448th Supply Chain Management Wing



Commercially Used & Overhauled Program



***Mr. Stephen Benjamin
429 SCMS/GUMD - SASPO
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15 Aug 2019



Introductions



- **Strategic Alternate Sourcing Program Office (SASPO)**
 - **Mr. Jerry Zamora – SASPO Chief**
 - **Ms. Summer Wishon– SASPO Lead**
 - **Mr. Randolph (Randy) Harris – Contract Lead**
 - **Mr. Stephen Benjamin – CU&OH Program Manager**
 - **Mr. Myron Knight – RE/RD Program Manager**



Commercially-Used Overhauled Program



- **Air Force (AF) requirements**
 - Items with & without AF approved source(s) of repair
 - FAA Part 145 certified repair house
 - Additional opportunities for commercially-used parts
- **Other SASPO Programs/Products**
 - Reverse Engineer / Repair Development (Myron Knight)
 - RPOW Repairs List (4yrs of forecasted raw data)
 - RPOW Spares List (3yrs of forecasted raw data)
 - SASPO Target List
 - SASPO “G” Coded List
- **Source Approval Request (SAR) training (available on our website)**
<https://www.tinker.af.mil/Home/429SCMS-SASPO/>



Overview of Commercially-Used Parts



- **Objective: Match AF requirements to industry availability of commercially-used parts with a military application**
- **Purpose: To drive cost efficiencies through careful implementation of a commercial practice**
- **Goal: Achieve cost efficiencies and war fighter support**
- **Savings to date: Over \$128.3M**



F108

Commercially-Used Overhauled Program

Prototype



Pilot 2011-2012

- 1st approved item
- 1st contract awarded

RESULTS:

- Significant savings
- 84 days reduced PLT

Expand



2012-2018

- Approved many items through SAR process
- 40 contracts awarded
- Added FAA as an option for non-CSI parts

RESULTS:

- Significant savings
- 292 days reduced PLT

Standardize



2019 and Beyond

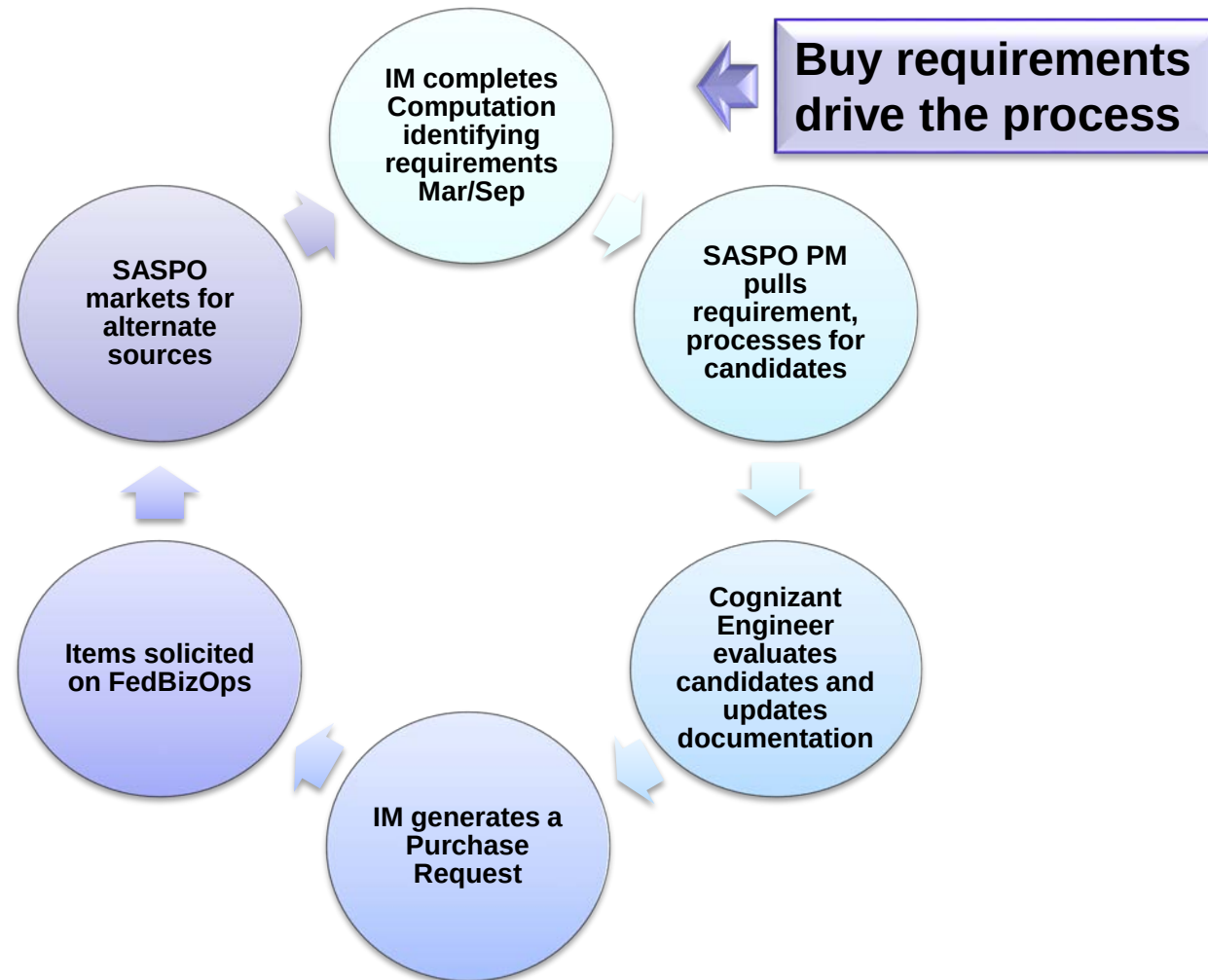
- Analyze F108 Life Limited Parts (LLPs)
- Analyze other commercial derivative engines
- Increase approved items through Source Approval process
- Awarded First Method 2 on 2 July 2019

Increase Supportability ★ Increase Availability ★ Increase Competition ★ Reduce Costs

Supplying Warfighter Dominance



Candidate Determination Process



Increase Supportability ★ Increase Availability ★ Increase Competition ★ Reduce Costs

Supplying Warfighter Dominance



Commercially-Used Parts with AF Approved Source(s) of Repair



- **Parts with at least one AF approved source of repair**
 - **Advertised and procured through Federal Business Opportunities (FedBizOps) at www.FBO.gov**
 - **Forecasts published twice per year from the Fall and Spring AF Requirements Computation Cycle on Federal Business Opportunities (FedBizOps) at www.FBO.gov**
- **Solicitation identifies**
 - **AF Approved manufacturing (usually OEM) and repair sources**
 - **Parameters for disqualification of parts**
 - **Involved in an accident, submerged in water, exposed to volcanic ash, etc.**



Commercially-Used Parts with No AF Approved Source(s) of Repair



- Parts with **NO** AF approved source(s) of repair Method 1
 - Advertised through Requests For Information (RFI) or Sources Sought Synopsis on Federal Business Opportunities (FedBizOps) at www.FBO.gov
 - Looking for companies to submit repair Source Approval Request (SAR) packages
 - Companies approved and qualified via the SAR process will be listed as an AF Approved Source of Repair
 - AF approved Source(s) of Repair will be included in the solicitations on FedBizOps for future commercially-used overhauled requirements



Commercially-Used Parts with No AF Approved Source(s) of Repair



- Parts with **NO** AF approved source(s) of repair Method 2
 - Companies approved and qualified via the FAA Part 145 House process
 - Non-CSI items with out a valid AF approved repair source
 - PMA parts currently not accepted
 - Supplier must be AS9110, AS9120, and ISO 9001 or AS9100 certified
 - Certified to buy off 8130-3 “Authorized Release Certificate”
 - Disqualifiers – Volcanic ash, radiation, or submerged



AF Commercially-Used Overhauled Program



- **If you have the right repair capabilities the AF would like you to submit repair SARs**
 - **Request Qualification Requirements (QR) from the AFSC Small Business Office: <http://www.tinker.af.mil.sbo.asp>**
 - **Include the NSN in the Subject Line of the email**
 - **Determine if you have the ability to repair the item**
 - **Determine if the AF repair fits your business case**
 - **Build a SAR IAW the QR and AFMCI 23-113**



Commercially Used Overhauled List

- Example

F108											
With Air Force-Approved Source(s) of Repair											
	FSC	NSN	Noun	CSI	FY18 QTY	FY18 VALUE	FY19 QTY	FY19 VALUE	FY20 QTY	FY20 VALUE	FY18-FY20 Buy Value
1	2840	011892638	VANE ASSEM		91	11,820,900	87	11,301,300	84	10,911,600	\$34,033,800
2	2840	011873200	VANE ASSEM		70	10,598,000	74	11,203,600	69	10,446,600	\$32,248,200
3	2840	013443232	LINER,OUTE		38	7,710,200	49	9,942,100	50	10,145,000	\$27,797,300
4	2840	011878262	VANE ASSEM		81	7,358,040	82	7,448,880	80	7,267,200	\$22,074,120
5	2840	012244243	SUPPORT,TU	Y	21	6,652,800	28	8,870,400	27	8,553,600	\$24,076,800
6	2840	012403435	SUPPORT,TU	Y	98	6,074,040	62	3,842,760	55	3,408,900	\$13,325,700
7	2840	014722727	STEEL CASE	Y	14	5,458,320	45	17,544,600	27	10,526,760	\$33,529,680
8	2840	014651987	VANE ASSEM		54	4,497,120	52	4,330,560	53	4,413,840	\$13,241,520

F108											
No Air Force-Approved Source(s) of Repair											
	FSC	NSN	Noun	CSI	FY18 QTY	FY18 VALUE	FY19 QTY	FY19 VALUE	FY20 QTY	FY20 VALUE	FY18-FY20 Buy Value
1	2840	014558002	COMBUSTION	Y	39	4,001,400	39	4,001,400	37	3,796,200	\$11,799,000
2	2840	014813365	SHROUD,COM		5	1,453,200	7	2,034,480	8	2,325,120	\$5,812,800
3	2840	014593039	SUPPORT,TU	Y	15	617,021	21	863,830	22	904,965	\$2,385,816
4	2840	011469378	SEAL,AIR,A	Y	16	498,432	9	280,368	6	186,912	\$965,712
5	2915	015133409	HOUSING,FU	Y	21	324,450	7	108,150	5	77,250	\$509,850



Additional Opportunities for Commercially-Used Parts



- **What are other opportunities**
 - **Expanding to additional engines**
 - **F108 = CFM56-2B*****
 - **TF33 = JT3D-7** DERs considered on a case by case basis.**
 - **TF34 = CF34**
 - **J85 = CJ610**
 - **T56 = T501-D**
 - **In order to be successful we need visibility of commercial availability**
 - **Life Limited Parts (LLPs) currently F108 ONLY**
 - **Other non-propulsion items that you may bring to our attention, your input is valuable**



Contact Information

- AFSC Small Business Office
 - Website: <http://www.tinker.af.mil/sbo.asp>
 - Email: afsc.sb.workflow@tinker.af.mil
 - Address: 3001 Staff Drive Suite 1AG 85A
Tinker AFB, Oklahoma
73145-3009
- SASPO
 - Website: <http://www.tinker.af.mil/Home/429SCMSSASPO.aspx/>
 - Email: 429scms.workflow.saspo@us.af.mil
 - Address: 3001 Staff Drive Suite 2AC4 94B
Tinker AFB, Oklahoma
73145-3009



Questions





448th Supply Chain Management Wing



Reverse Engineering, Repair Development and Additive Manufacturing Program 15 Aug 2019



***Myron O. Knight
429 SCMS – SASPO
405-734-7809
myron.knight@us.af.mil***





PURPOSE

- **Objective:** Reduce Air Force supply chain costs/risks through increased competitive sourcing strategies
 - Focus on creating competition to improve affordability and supportability
- **Plan:** Implement Wing Approved approach to the identification and management processes of CER engineering projects
- **Projected results:** Strategic identification, prioritization and tracking of engineering project candidates and capability to report actual ROI results

50% of 448 SCMW Spares Buys and
60% of Repairs are Sole Source

Supplying Warfighter Dominance

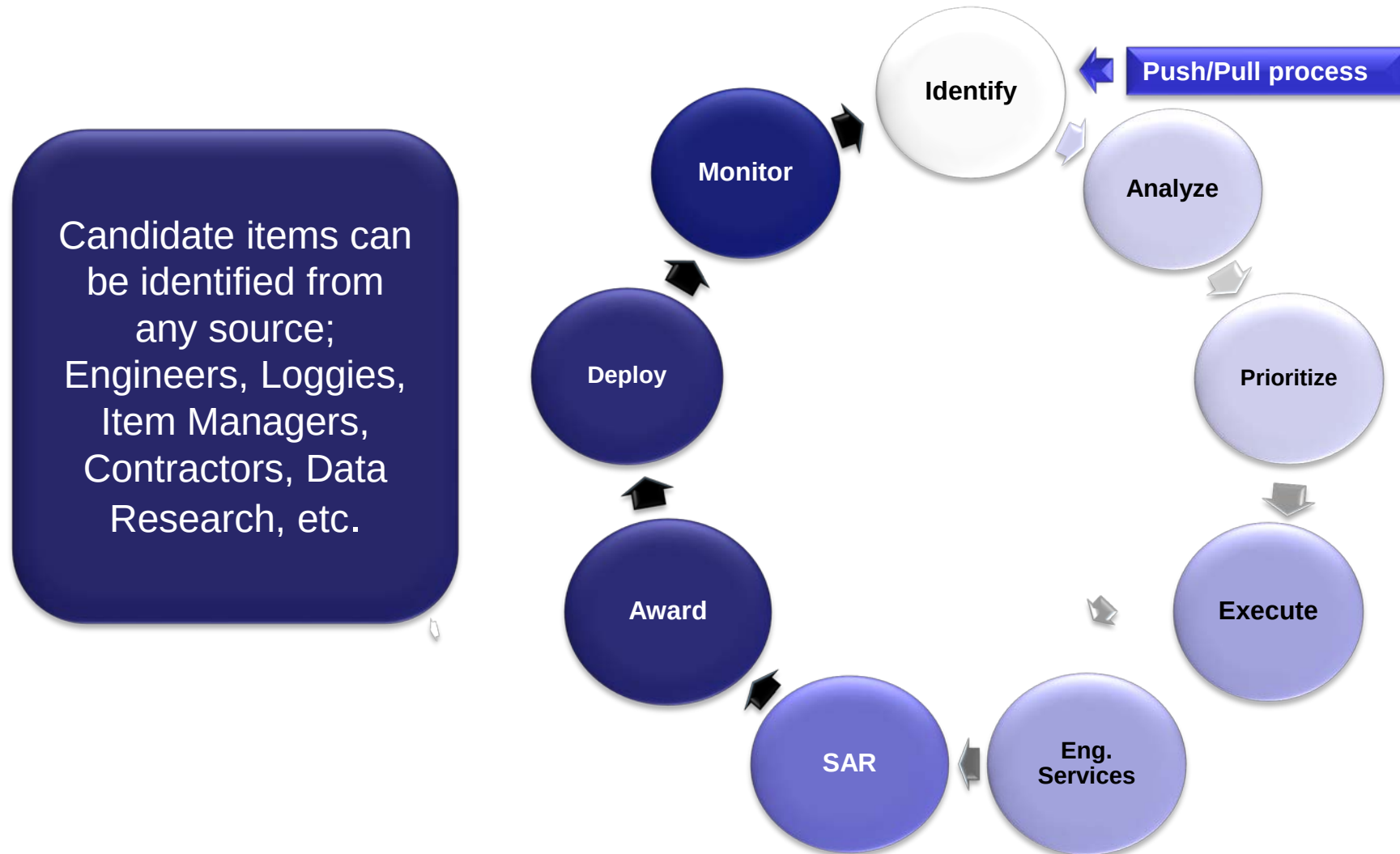


448 SCMW RE/RD/AM Plan

- 448 SCMW is investing in our supply chain
 - Acquire Data
 - Increase Competition
- Able to use CSAG dollars to create competition
 - Working Capital Fund
 - Reliability, Accessibility, Maintainability – Competition Projects (RAM-C)
- Enterprise Level (Robins, Hill, Tinker)
- Working to identify candidate item

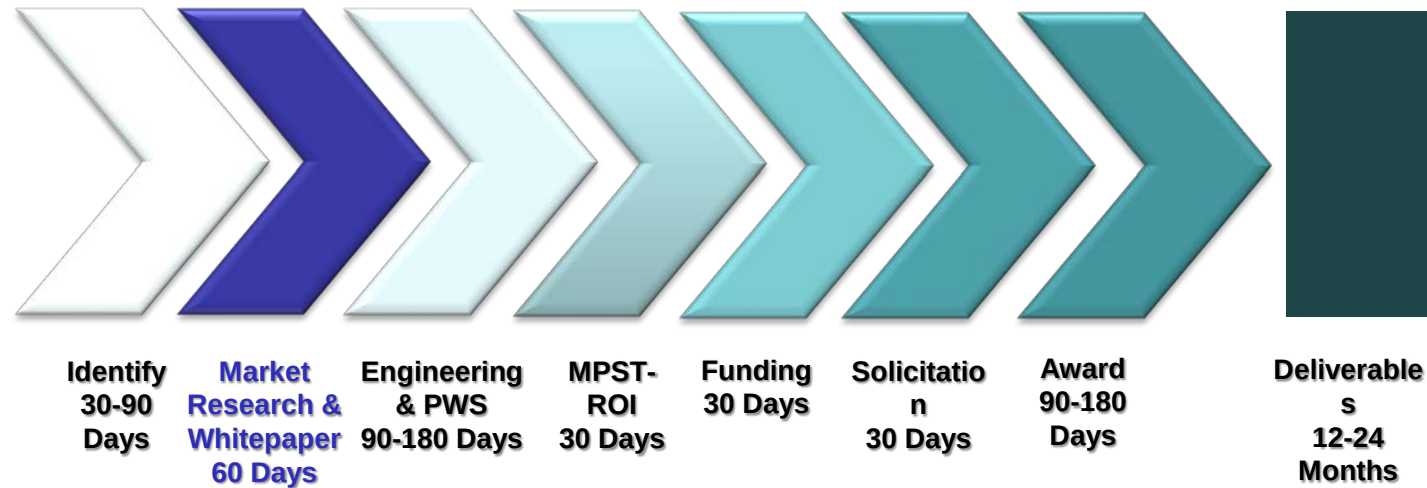


RE/RD/AM PROCESS





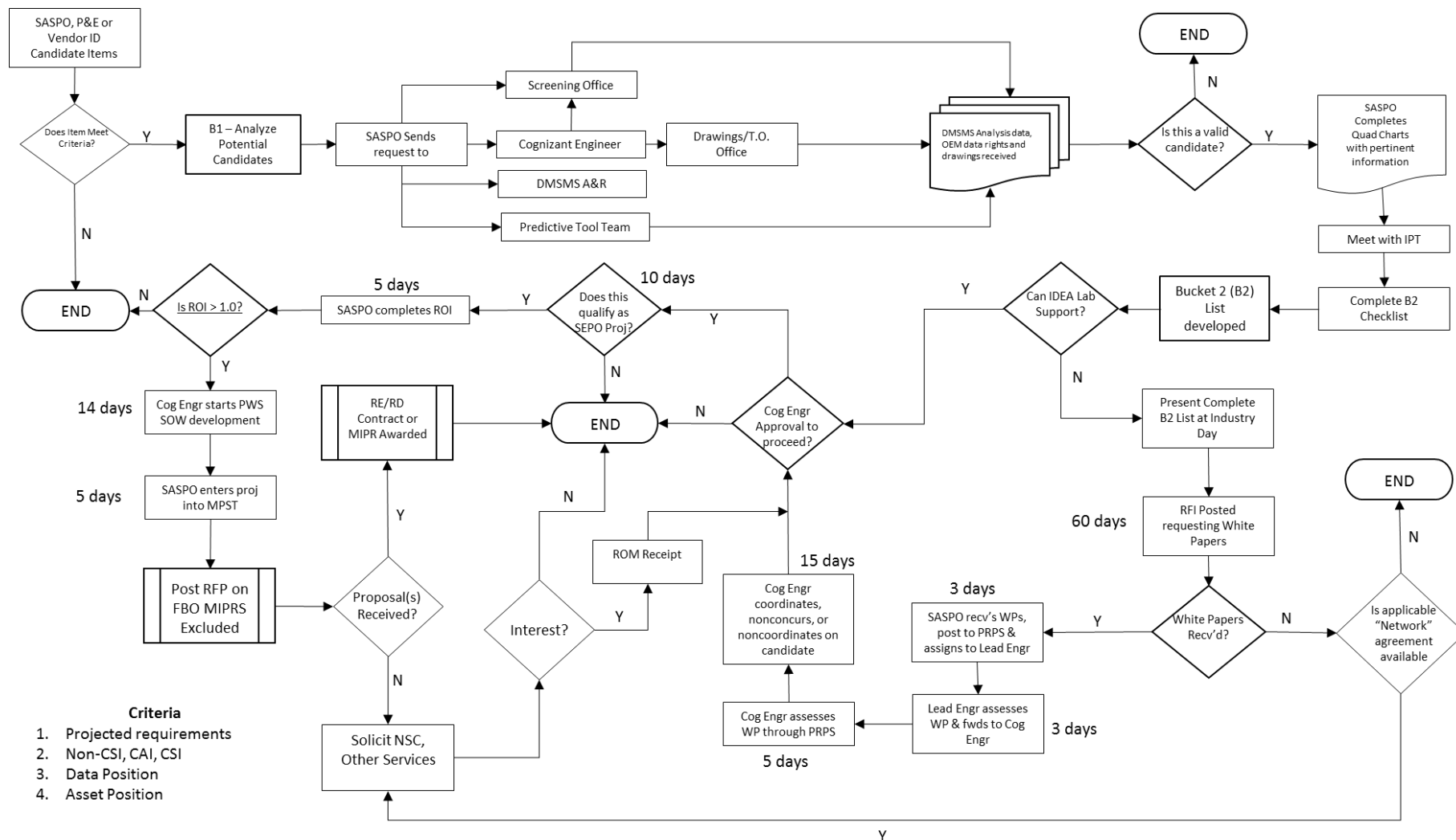
RE/RD/AM PROJECTED TIMELINE 1 - 3 YEARS



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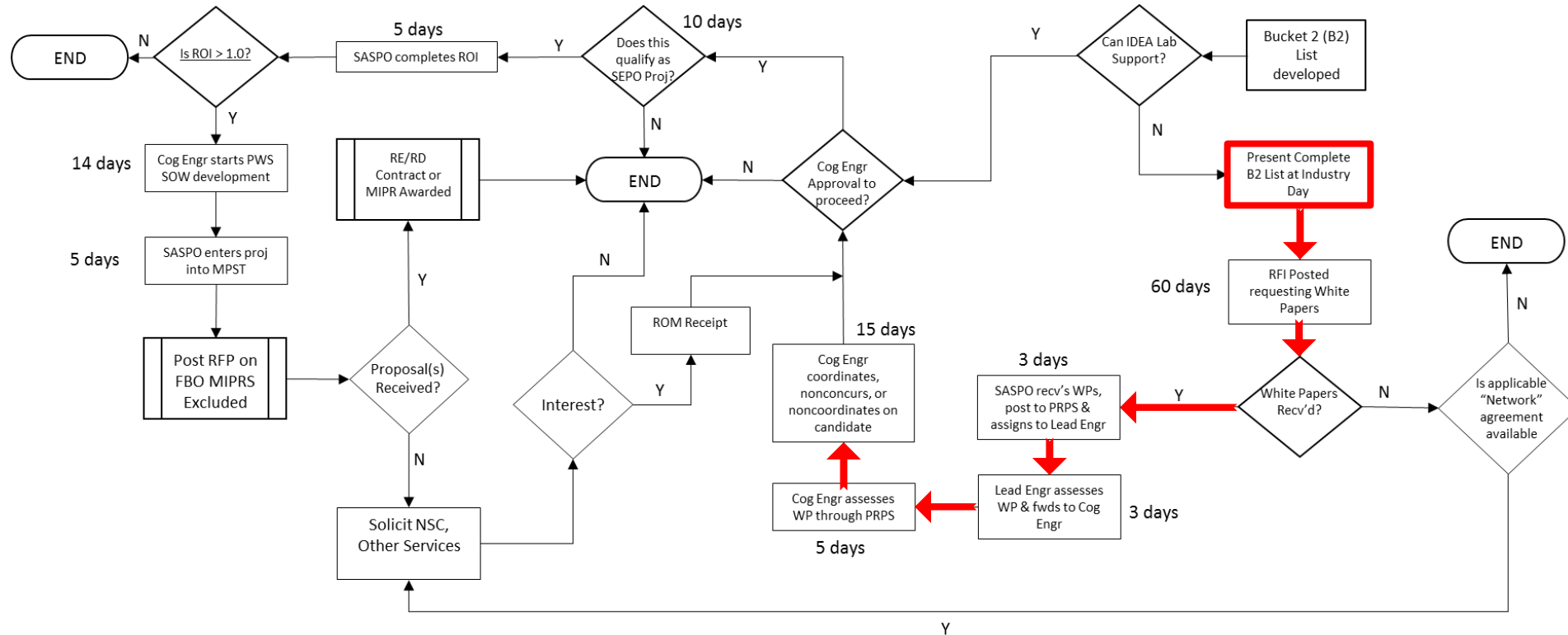


RE/RD/AM PROCESS FLOW





WHITE PAPER PROCESS FLOW



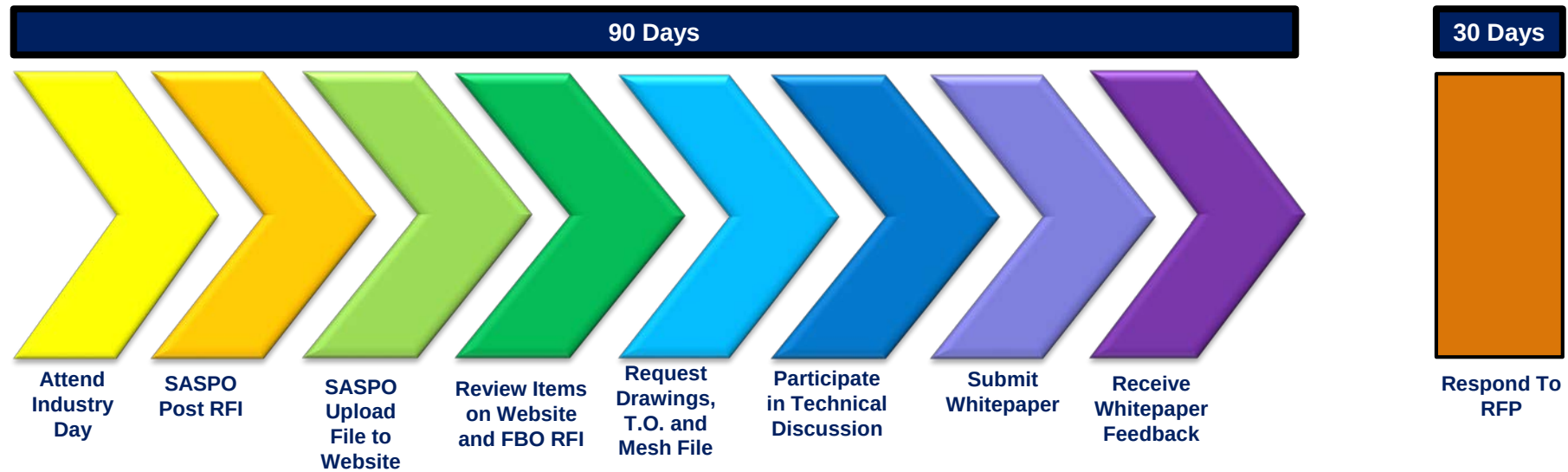


WHITEPAPER GUIDELINES

- Company Information
 - Cage Code
 - Capabilities
 - Facilities
 - Experience
- Background/Problem Statement
 - Nomenclature, NSN(s) and Part Number(s)
 - Equipment List (if applicable)
 - Type
 - RE, RD, AM or Manf.
 - Identify Problem/Problem Statement
- Solution
- Deliverables
- Rough Order Magnitude (ROM)
- Schedule
- Conclusion
- Due 60 Days from RFI



VENDOR 90 DAY PROCESS FLOW TIMELINE





WHAT WE ARE LOOKING FOR?

- Partner to produce a prototype
- Provide a full Tech Data Package (TDP)
- Maintaining the same Form/Fit/Function
- Reduce risk/cost/leadtime
- Resolve obsolescence
- Cooperative partnership
- Open communications
- Cost effective readiness



FUTURE OPPORTUNITIES

- As this program grows it will experience changes
- 448 SCMW will continue to identify opportunities
- Post Sources Sought Synopses (SSS) and/or Requests For Information (RFIs) on Federal Business Opportunities (FBO)
- Additional Industry Days Advertised on FBO and SASPO Website
 - Robins AFB – March
 - Hill AFB – June
 - Tinker AFB - August
- Open for suggestions or white papers on candidate or other items



EXPECTATIONS



Interested Companies:

- Submit a no-cost white paper stating interest with estimated costs and schedule
- Request the Engineering Data List (EDL)
- Procure all available data from the Public Sales Office
- Work with SASPO Program Manager and Engineer to identify the requirements
 - Test and Qualification
 - Tooling
 - Specifications



Questions

Mr. Myron O. Knight
429 SCMS – SASPO
405-734-7809
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FAALC Parts Quad Charts



Mike Monroney Aeronautical Center
Oklahoma City, OK
Radar Product Division AML - 2000

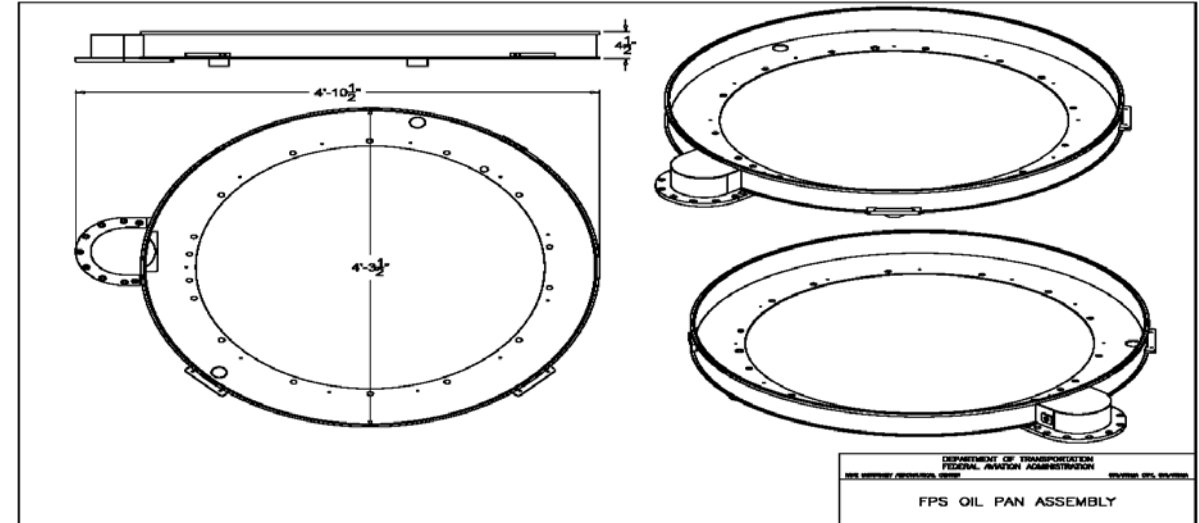


FPS Oil Pan

Alternate Sourcing (New Buy)



MDS/TMS: **Fixed Position System (FPS)**
Noun: **FPS Oil Pan**
NSN: **N/A**
P/N: **185N-126**
Buy Price: **N/A**
Date of Last Procurement: **None since original systems installed, 1980's**
Repair Price: **N/A**
Surplus Available: **0**
QPA Appl %: **10 (100%)**
Replacement Rate %: **~2 per year**



Out Year Requirements (Buy/Repair)

FY20: 2	FY21: 1	FY22: 2	FY23: 1	FY24: 2
FY20: 0	FY21: 0	FY22: 0	FY23: 0	FY24: 0

Details/Issues

- **FPS Oil Pan Assembly is made up of 10, separate steel parts welded together**
- **Drawings for all parts and final assembly available**
- **Low demand historically but no known supply source**



FPS Oil Pan

Alternate Sourcing (New Buy)



Material: **Steel (mild)**

Dimensions: **52"x5" (nominal)**

Criticality Code: **Medium**

Drawings Avail: **Yes**

Drawing #: **DE-B-4704**

T.O. Avail: **No**

T.O. #:

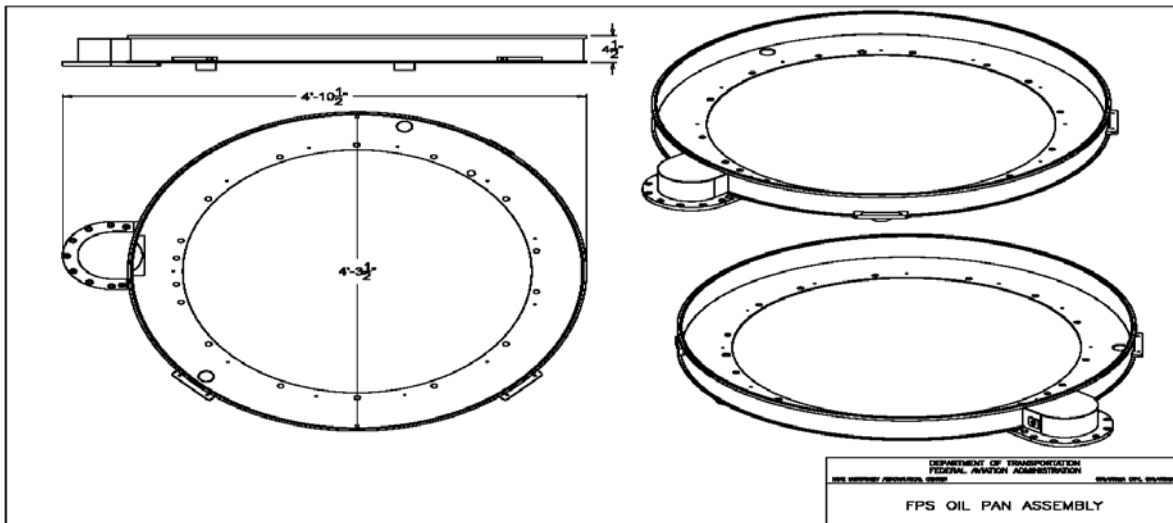
Drawing CAGE Code: **N/A**

Mesh File Avail: **No** #:

Next Higher Assembly: **FPS Pedestal**

DMSMS Report:

- **Obsolete part**
- **Single point of failure**
- **No supply source**



If you would like to participate in the Technical Discussion, on **18 Sep 2019, at 8:30-9:00 a.m. (CST)**, provide the following information NLT **11 Sep 2019**

429SCMS.SASPO.Workflow@us.af.mil

1. Company, address, name(s), email(s), phone
2. Questions for Engineering



Mode S



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Mode-S CPME Diplexer

Alternate Sourcing (New Buy)



MDS/TMS: **Mode-S**
Noun: **Diplexer**
NSN: **5985-01-365-6255**
P/N: **044547-0001, AY-C77S**
Buy Price: **\$702.00**
Date of Last Procurement: **N/A**
Repair Price: **Expendable**
Surplus Available: **0**
QPA Appl %: **100%**
Replacement Rate %: **5 per year**



Out Year Requirements (Buy/Repair)

FY20: 5	FY21: 5	FY22: 5	FY23: 5	FY24: 5
FY20: 0	FY21: 0	FY22: 0	FY23: 0	FY24: 0

Details/Issues

- **Drawings and specifications are available**
- **One Time Buy**



Mode-S CPME Diplexer

Alternate Sourcing (New Buy)



Material: **Aluminum per 6061-T6 (Package)**

Dimensions: **2.02" W x 1.03" H x 5.05" L Total**

Criticality Code: **Critical**

Drawings Avail: **Yes**

Drawing #: **044547**

T.O. Avail: **No**

T.O. #:

Drawing CAGE Code: **64537**

Mesh File Avail: **N/A**

#:

Next Higher Assembly: **Mode-S CPME (P/N 098547-0100)**

DMSMS Report:

- **Obsolete part**
- **Single point failure item**
- **No supply source**



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429SCMS.SASPO.Workflow@us.af.mil

1. Company, address, name(s), email(s), phone
2. Questions for Engineering



ASR – 9



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ASR-9 MVPS

Alternate Sourcing (New Buy)



MDS/TMS: **ASR-9**

Noun: **Chassis Assy**

NSN: **6130-01-408-7266**

P/N: **852600**

Buy Price: **\$17,303.00**

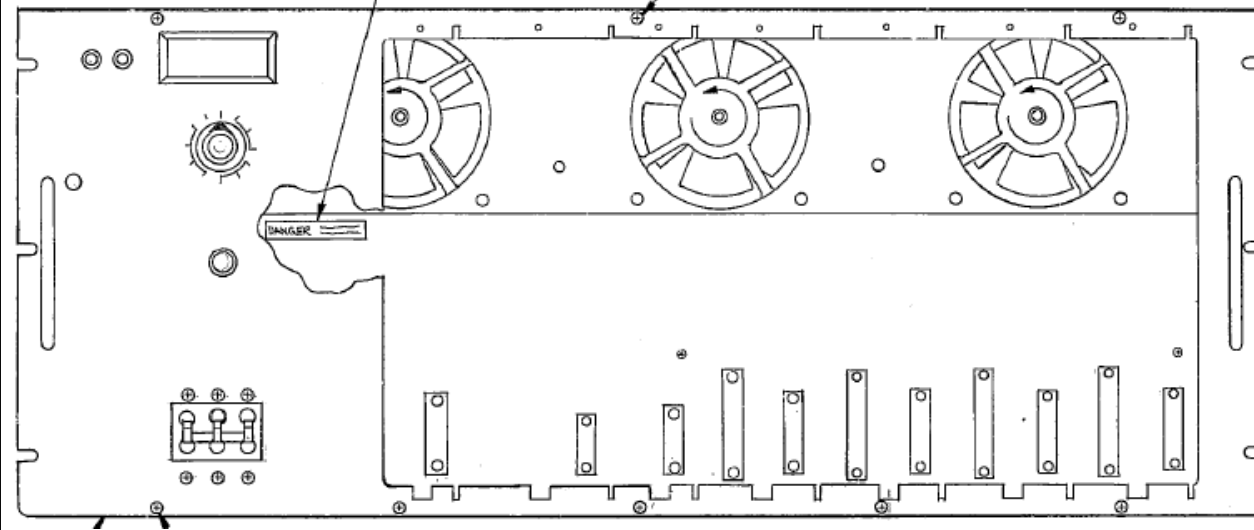
Date of Last Procurement: **Never procured after purchase from OEM, 1980s**

Repair Price: **Varies, Repaired In-House. Generally, repairs are made to subsystems**

Surplus Available: **0**

QPA Appl %: **100%**

Replacement Rate %: **~8 per year**



Out Year Requirements (Buy/Repair)

FY20: **0** FY21: **7** FY22: **0** FY23: **0** FY24: **0**

FY20: **0** FY21: **0** FY22: **0** FY23: **0** FY24: **0**

Details/Issues

- **124 Total Parts in Full Assembly**
- **Drawings for CCAs, Fabrication, and wiring lists available**
- **Low Demand Item Historically**
- **One Time Buy**
- **Machine Work Needs to be Precise**



ASR-9 MVPS

Alternate Sourcing (New Buy)



Material: **6061-T6 AL Alloy, 5052-H32 AL Alloy**
Dimensions: **31.19" W x 12.75" H x 16.78" L Total**
Criticality Code: **Critical**
Drawings Avail: **Yes**
T.O. Avail:
Drawing CAGE Code: **09062**
Mesh File Avail: **No**
Next Higher Assembly: **ASR-9 Receiver Cabinet**

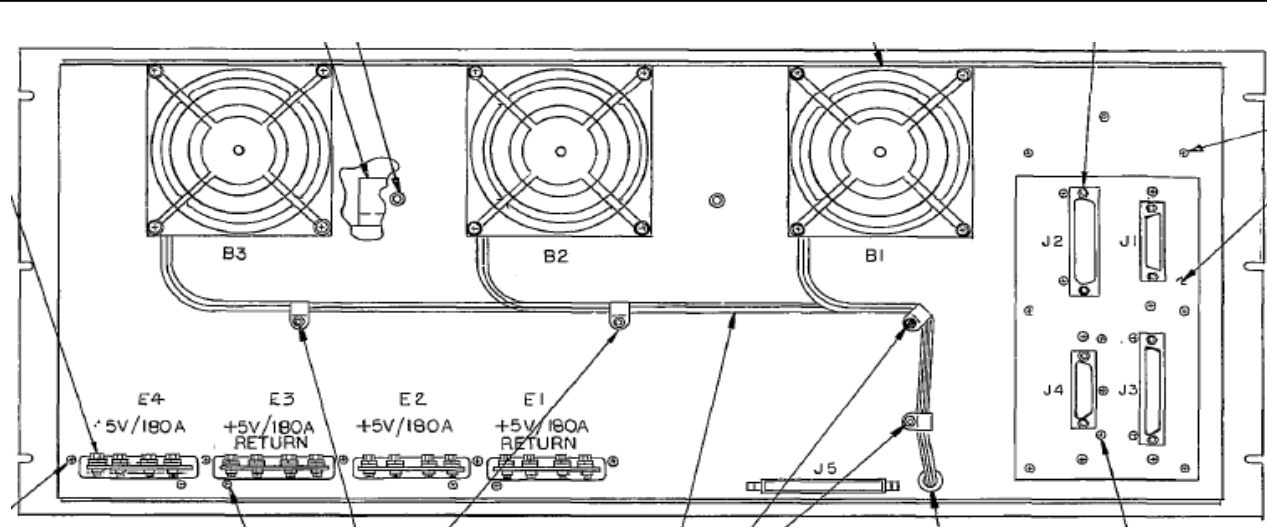
Drawings #: **D852600, D852617,
D852614, D852621,
D852622**

T.O. #:

#:

DMSMS Report:

- **Obsolete part**
- **Demand is increasing**
- **Single point failure item**
- **No supply source**



If you would like to participate in the Technical Discussion, on **18 Sep 2019, at 8:30-9:00 a.m. (CST)**, provide the following information NLT **11 Sep 2019**

429SCMS.SASPO.Workflow@us.af.mil

1. Company, address, name(s), email(s), phone
2. Questions for Engineering

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ASR -11



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ASR-11 Unit Amps

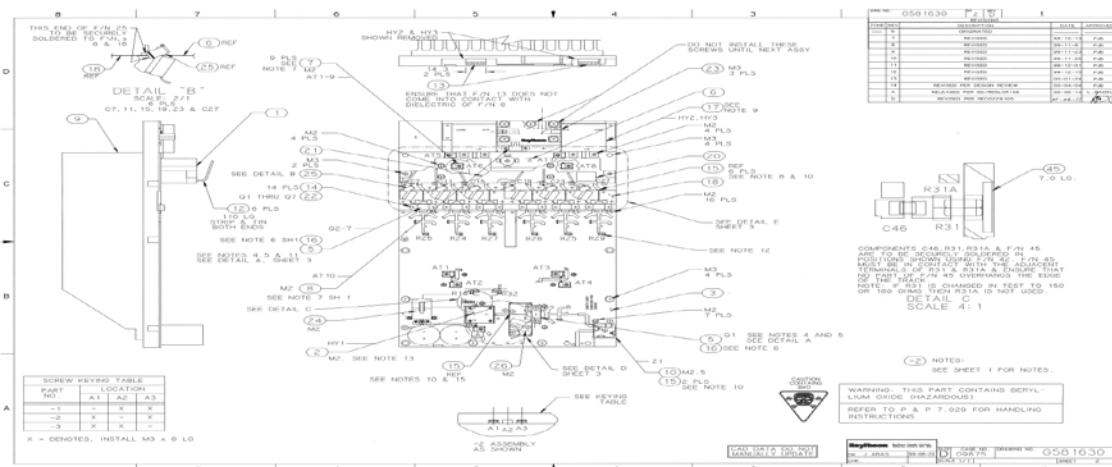
Alternate Sourcing (New Buy)



Material:
Dimensions:
Criticality Code:
Drawings Avail:
T.O. Avail:
Drawing CAGE Code:
Mesh File Avail:
Next Higher Assembly:

Drawing #:
T.O. #:
#:

DMSMS Report:



If you would like to participate in the Technical Discussion, on **18 Sep 2019, at 8:30-9:00 a.m. (CST)**, provide the following information NLT **11 Sep 2019**

429SCMS.SASPO.Workflow@us.af.mil

1. Company, address, name(s), email(s), phone
2. Questions for Engineering



F-15 Eagle



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Scale Dial

Reverse Engineering
Tinker AFB - 422 SCMS



MDS/TMS: **F-15/N/A**

Noun: **Scale Dial**

NSN: **5355-01-067-4289**

PN: **477339-1**

Buy Price: **\$2,163.50**

Date of Last Procurement: **April-2014**

Repair Price: **N/A**

AAC: **V**

Surplus Available: **No**

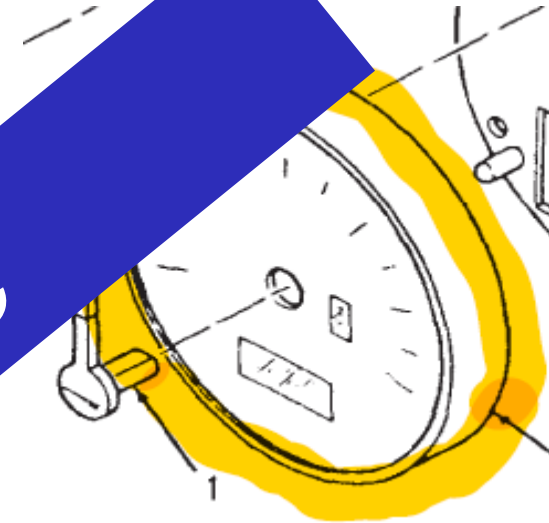
QPA & Appl %: **1 @ 100%**

Replacement Rate%: **3% (About Two a Year)**

Out Year Requirements (Buy/Repair)

FY20: **1** FY21: **1** FY22: **1** FY23: **1** FY24: **1**

FY20: **0** FY21: **0** FY22: **0** FY23: **0** FY24: **0**



Supportable

Details/Issues

- **No current organic or contract procurement**
- **Low replacement part, not aware of any workarounds**
- **Recently determined obsolete**

761 (**N**)

762 (**N**)

EDL (**N**)

RDL (**N**)

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Scale Dial

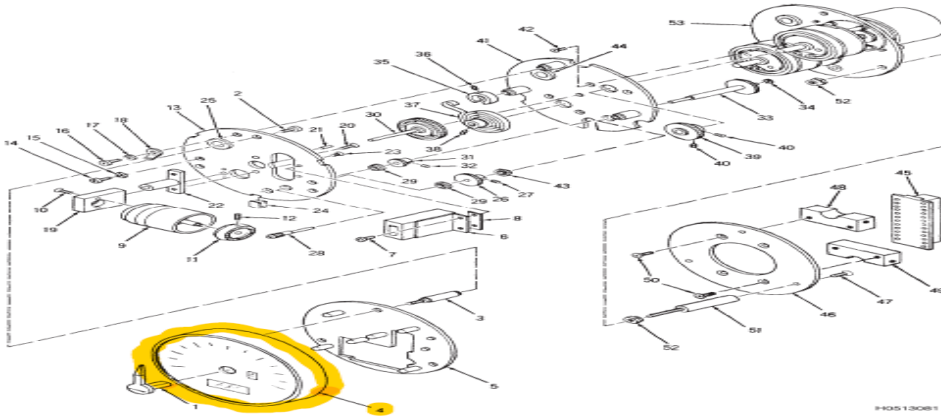
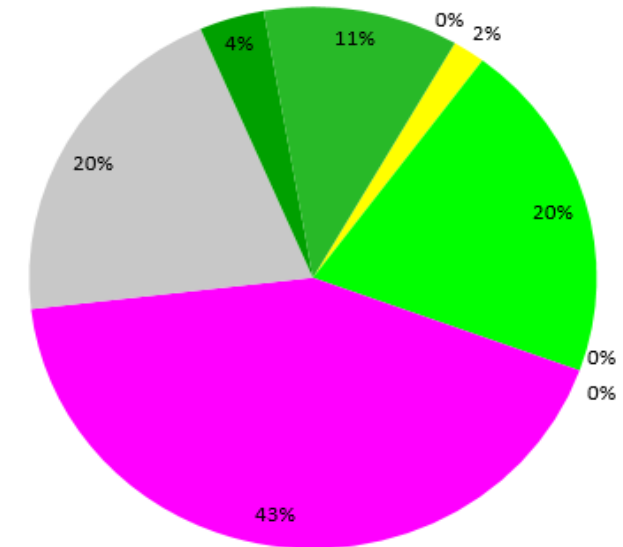
Reverse Engineering
Tinker AFB - 422 SCMS



AMC/AMSC: **3/D** RMC/RMSC: **N/A / N/A**
Material: **Type of Plastic**
Dimensions: **No Dimensions Available**
Criticality Code: **X**
Drawings Avail: **No** Drawings#: : **477339**
T.O. Avail: **No** T.O.#: **5L6-3-66-3**
Budget Code: **9**
Cage Code: **89305**
Mesh File Avail: **No** #
Next Higher Assembly: **Mechanical Subassembly,**
NSN 6680-01-059-4638

DMSMS Report

Obsolete	0
Sole Source	1
Two or More	11
Unknown	0
Proprietary	0
Logistics	23
NA	11
Build To Print	2
Common Industrial Item	6



If you would like to participate in the Technical Discussion on **21 Aug 2019, at 2:30-3:00 p.m. (CST)**, provide the following information NLT **19 Aug 2019**
429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering

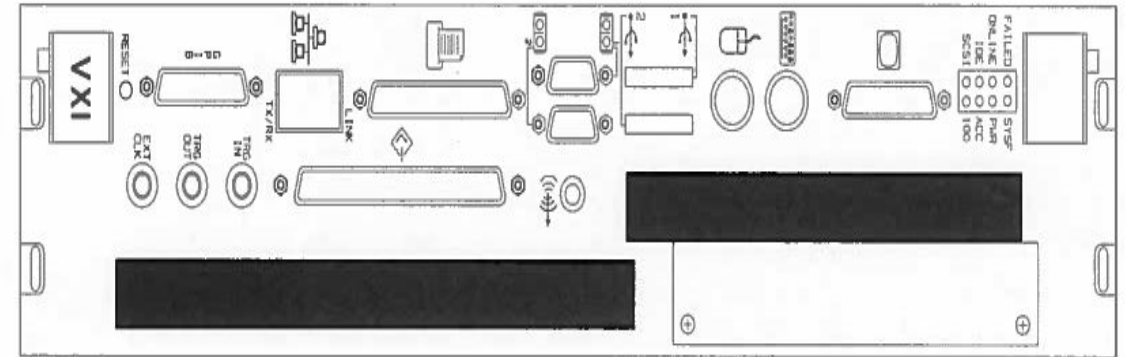


Electronic Plug-In Unit

Repair Development
Robins AFB – 410 SCMS



MDS/TMS: **F-15** / TMS: **N/A**
Noun: **Electronic Plug-In Unit**
NSN: **6625-01-552-7652**
PN: **778295-00/OPT778469-256** PN CAGE: **64667**
Buy Price: **\$32,005.86**
Date of Last Procurement: **9/23/2010**
Repair Price: **\$2,996.01**
AAC: **V**
Surplus Available: **No via ILSmart**
QPA & Appl %: **2 @ 75%**
Replacement Rate%: **0%**



Out Year Requirements (Buy/Repair)

FY20: **2** FY21: **3** FY22: **2** FY23: **3** FY24: **2**
FY20: **5** FY21: **4** FY22: **4** FY23: **4** FY24: **4**

761 (Y)

762 (Y)

EDL (Y)

RDL (Y)

Details/Issues

- **Item is a Bus Controller**
- **Repair source no longer available**
- **OEM (Honeywell) owns the technical data**
- **Currently there are MICAPs for 6 assets with back orders for 12 units**

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Electronic Plug-In Unit

Repair Development
Robins AFB – 410 SCMS



AMC/AMSC: **2 / G**

RMC/RMSC: **3 / R**

Material: **NA**

Dimensions: **NA**

Criticality Code: **X**

Drawings Avail: **No**

Drawings#: **5160490**

T.O. Avail: **No**

T.O.#: **33D7-44-353-4**

Budget Code: **8**

Drawing Cage Code: **017N4**

Mesh File Avail: **No** #

Next Higher Assembly: **F-15 Antenna Test Station/
AN/GSM-228**

DMSMS Report

DMSMS Report Not Available

VXI CHASSIS



**Electronic
Plug-In Unit**

If you would like to participate in the Technical Discussion on **18 Sep 2019, at 9:30-10:00 a.m. (CST)**, provide the following information NLT **11 Sep 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



T-6 Texan



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Inclinometer Assembly

Alternate Source - New Buy

Tinker AFB - CLS



MDS/TMS: **Beechcraft T-6A / N/A**

Noun: **Inclinometer Assembly**

NSN: **6610-01-482-8865**

PN: **050-03402-0000**

Buy Price: **Unknown**

Date of Last Procurement: **Unknown**

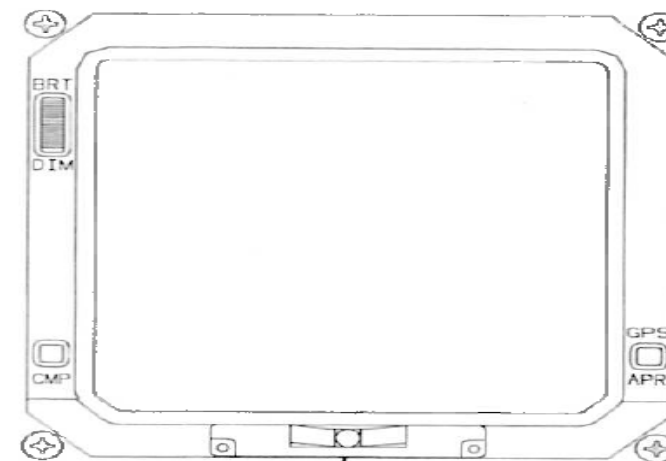
Repair Price: **Unknown**

AAC: **N/A**

Surplus Available: **No via ILSmart**

QPA & Appl %: **1@100%**

Replacement Rate%: **Unknown**



EADI

Electronic Attitude and
Direction Indicator

INCLINOMETER

Out Year Requirements (Buy/Repair)

FY20: 20	FY21: 20	FY22: 20	FY23: 20	FY24: 20
FY20: 0	FY21: 0	FY22: 0	FY23: 0	FY24: 0

Details/Issues

- **High Failure Rate**
- **Impact to Repair is Consumable Item**
- **Non Mission Capable Supply Impact 2019**
- **0 Spares on Inclinometer Assembly**
- **Model 3000 (T-6A)**
- **Requirement from Textron Aviation Defense**

761 (N)

762 (N)

EDL (N)

RDL (N)

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Inclinometer Assembly

Alternate Source - New Buy

Tinker AFB - CLS



AMC/AMSC: **N/A / N/A**

RMC/RMSC: **N/A / N/A**

Material: **Unknown**

Dimensions: **Unknown**

Criticality Code: **X**

Drawings Avail: **No**

Drawings#: **Proprietary**

T.O. Avail: **No**

T.O.#: **Proprietary**

Budget Code: **N/A**

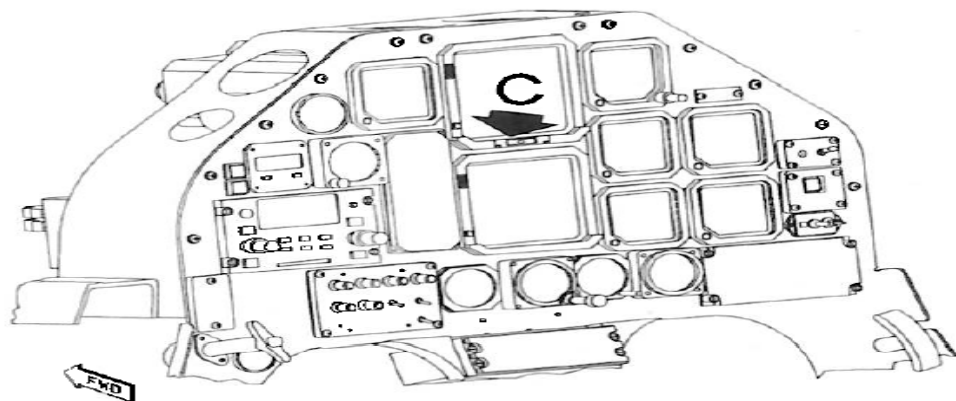
Drawing Cage Code: **22373**

Mesh File Avail: **No** #

Next Higher Assembly: **Beechcraft T-6A**

Description and Operation

- **Inclinometer mounts to the front of the (EADI)**
- **Includes a ball which is suspended in an alcohol filled chamber**
- **Movement of the ball indicates coordinated turn rate to the pilot**
- **Inclinometer is a mechanical Instrument that has no electrical requirement**
- **Receives indirect lighting from the (EADI)**
- **The potentiometer on the left forward switch panel controls illumination for the Inclinometer**



If you would like to participate in the Technical Discussion on **21 Aug 2019, at 2:00-2:30 p.m. (CST)**, provide the following information NLT **19 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



E-3 AWACS



Supplying Warfighter Dominance



Radio Mounting Tray

Reverse Engineering
Tinker AFB - LCMC



MDS/TMS: **E-3/N/A**

Noun: **Radio Mounting Tray**

NSN: **5975-01-536-3778**

PN: **822-1855-001**

Buy Price: **\$6,628.05**

Date of Last Procurement: **5/1/2007**

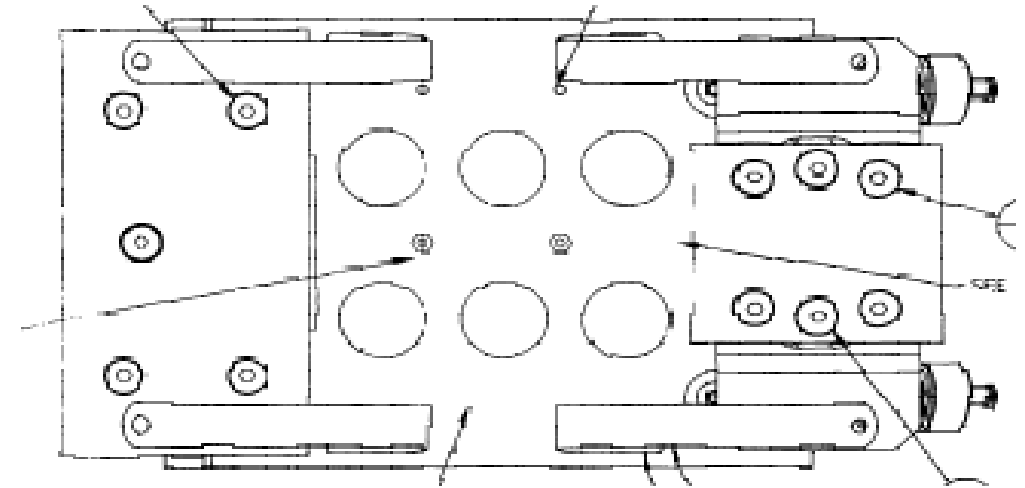
Repair Price: **N/A**

AAC: **V**

Surplus Available: **No via ILSmart**

QPA & Appl %: **2@100%**

Replacement Rate%: **NA**



Out Year Requirements (Buy/Repair)

FY20: 12	FY21: 0	FY22: 0	FY23: 0	FY24: 0
FY20: 0	FY21: 0	FY22: 0	FY23: 0	FY24: 0

Details/Issues

- **Lifetime buy to support E-3 life span**
- **Source of supply DLA/SMS**

761 (**N**)

762 (**N**)

EDL (**N**)

RDL (**N**)

Supplying Warfighter Dominance



Radio Mounting Tray

Reverse Engineering
Tinker AFB - LCMC



AMC/AMSC: **3/B**

RMC/RMSC: **N/A / N/A**

Material: **Unknown**

Dimensions: **Unknown**

Criticality Code: **X**

Drawings Avail: **Yes**

Drawings#: **204-44985**

T.O. Avail: **Yes**

T.O.#: **1E-3A-4-23-1**

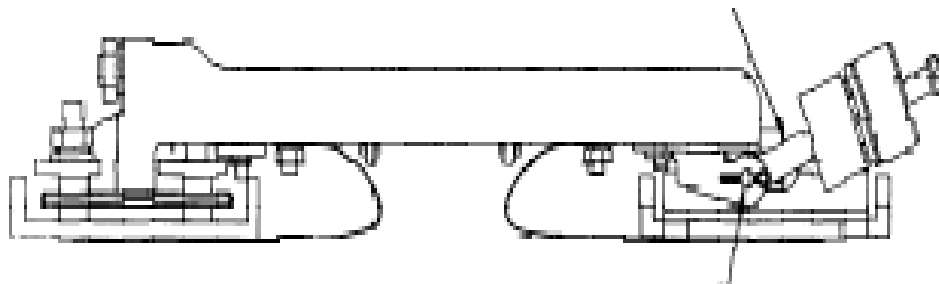
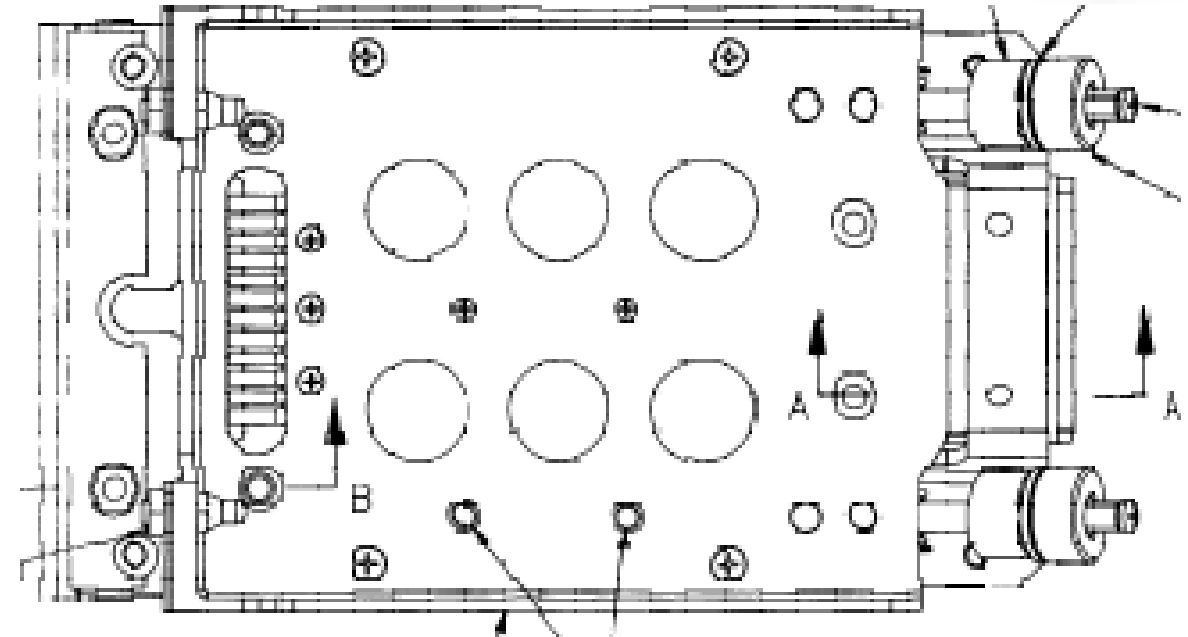
Budget Code: **9**

Drawing Cage Code: **81205**

Mesh File Avail: **No** #

Next Higher Assembly: **Shelf Assembly, E19-2**

Communication Equipment



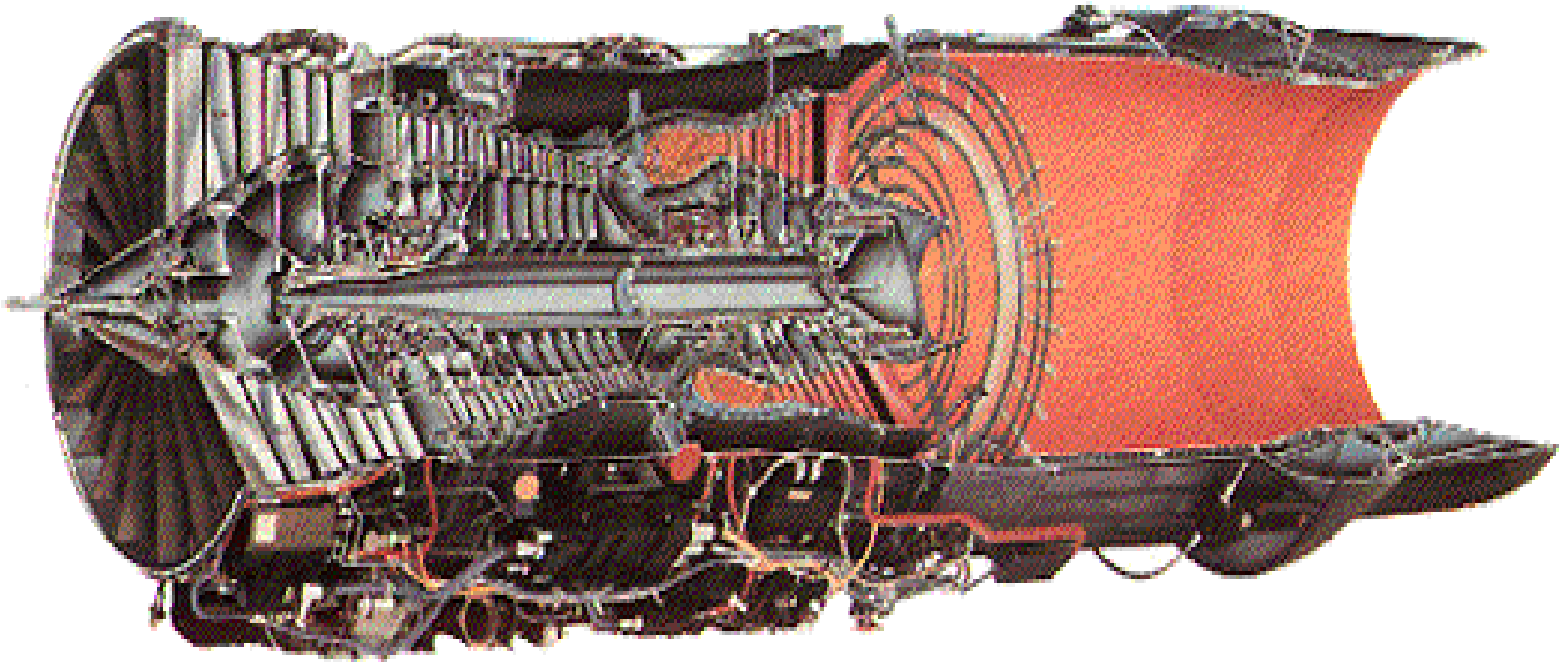
If you would like to participate in the Technical Discussion on **17 Sep 2019, at 10:00 – 10:30 a.m. (CST)**, provide the following information NLT **11 Sep 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



F100-PW-229



Supplying Warfighter Dominance



Compressor Vane Segment

Alternate Source (Repair)

Tinker AFB - 421 SCMS



MDS/TMS: **F-15 & F-16/F100**

Noun: **Vane Segment, Compressor**

NSN: **2840-01-619-7379**

PN: **4089078-03**

Buy Price: **\$7,441.47**

Date of Last Procurement: **04/26/2018**

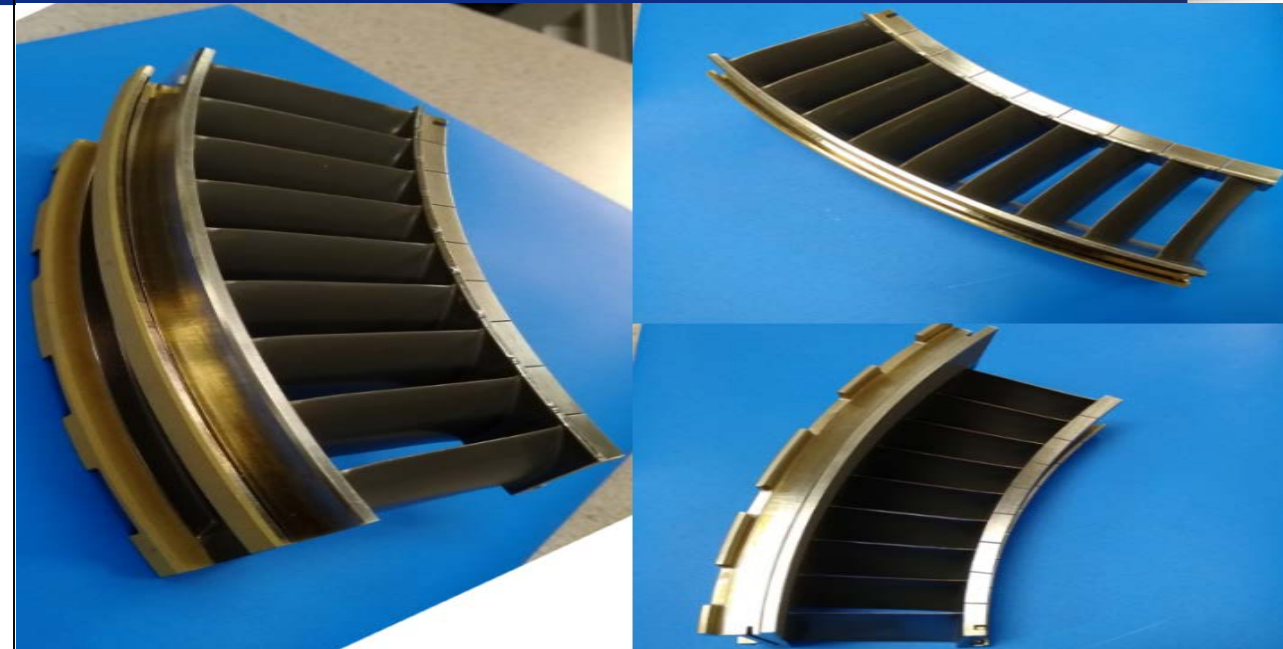
Repair Price: **\$2,902.17**

AAC: **C**

Surplus Available: **Yes via ILSmart (2 each/NE)**

QPA & Appl %: **2 @ 100**

Replacement Rate%: **100**



Out Year Requirements (Buy/Repair)

FY20: **00** FY21: **00** FY22: **22** FY23: **04** FY24: **40**

FY20: **00** FY21: **00** FY22: **32** FY23: **34** FY24: **37**

761 (Y)

762 (N)

EDL (Y)

RDL (N)

Details/Issues

- **Hot Section Module, Turbine Disk, Multiple NSNs**
- **Part is in the core module of the F100-229 engine**
- **Legacy NSN: 2840013674827 (AAA) P/N: 4083978-03 currently in use/both configurations require repair**
- **There is a difference in the coating for Legacy and New NSN's**
- **Interested vendors should submit a Source Approval Request (SAR)**

Supplying Warfighter Dominance



Compressor Vane Segment

Alternate Source (Repair)

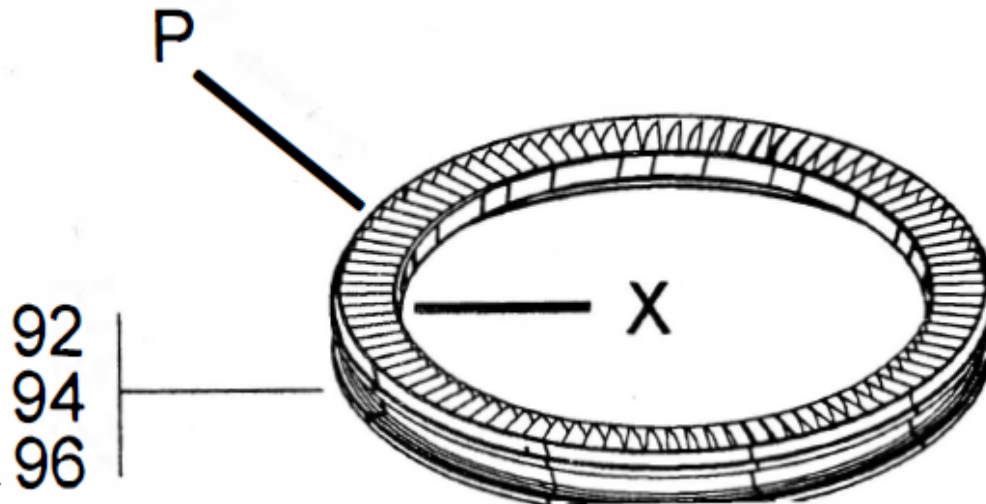
Tinker AFB – 421 SCMS



AMC/AMSC: **2C** RMC/RMSC: **NA**
Material: **Nickel Alloy**
Dimensions: **8.57L x 1.67W x 2.25H (Inches)**
Criticality Code: **F**
Drawings Avail: **No** Drawings#: **4083954**
T.O. Avail: **No** T.O.#: **2J-F100-54**
Budget Code: **8**
Cage Code: **77445**
Mesh File Avail: **No** #:
Next Higher Assembly: **N/A**

DMSMS Report

DMSMS Report Not Available



NSN:2840016197379-

If you would like to participate in the Technical Discussion on **17 Sep 2019, at 1:30 – 2:00 p.m. (CST)**, provide the following information NLT **11 Sep 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



Compressor Vane Segment

Alternate Source (Repair)

Tinker AFB - 421 SCMS



MDS/TMS: **F-15 & F-16/F100**

Noun: **Vane Segment, Compressor**

NSN: **2840-01-619-8983**

PN: **4089078-02**

Buy Price: **\$2,874.19**

Date of Last Procurement: **8/25/2012**

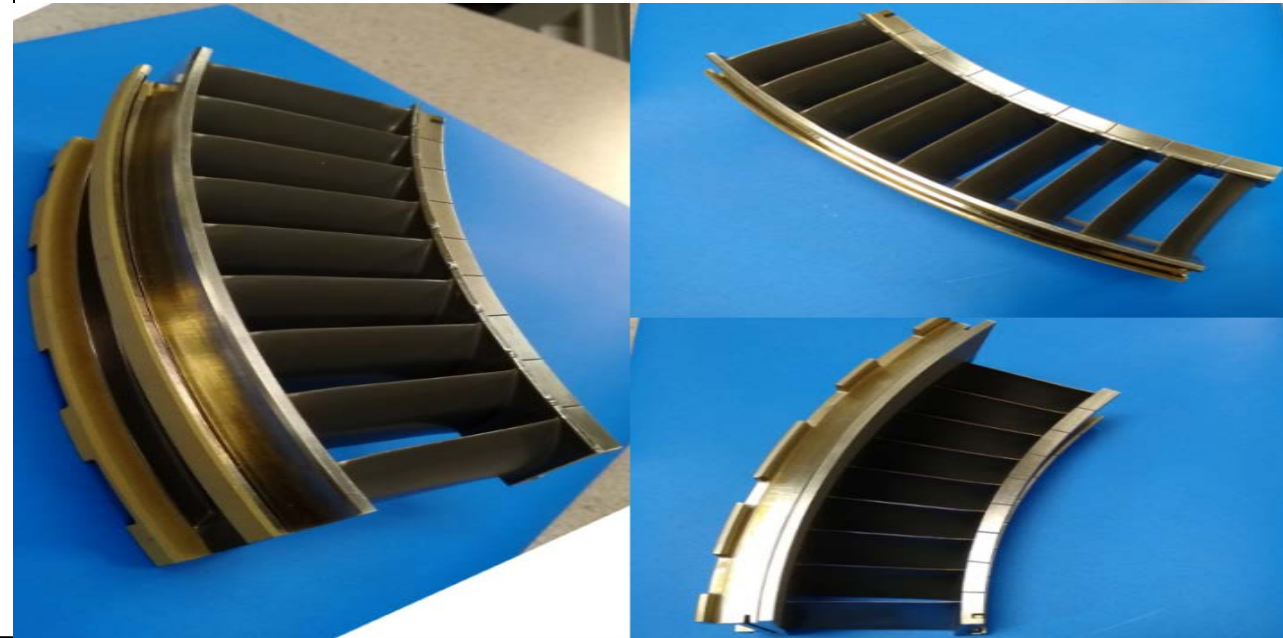
Repair Price: **\$1,264.64**

AAC: **C**

Surplus Available: **Yes via ILSmart (8 each/NE)**

QPA & Appl %: **4 @ 100**

Replacement Rate%: **100**



Out Year Requirements (Buy/Repair)

FY20: 54	FY21: 65	FY22: 78	FY23: 62	FY24: 75
FY20: 3	FY21: 61	FY22: 67	FY23: 68	FY24: 72

761 (Y)

762 (N)

EDL (Y)

RDL (N)

Details/Issues

- **Hot Section Module, Turbine Disk, Multiple NSNs.**
- **Part is in the core module of the F100-229 engine**
- **Legacy NSN: 2840013674826 (AAA) P/N: 4083978-02 currently in use/both configurations require repair**
- **There is a difference in the coating for Legacy and New NSN's**
- **Interested vendors should submit a Source Approval Request (SAR)**

Supplying Warfighter Dominance



Compressor Vane Segment

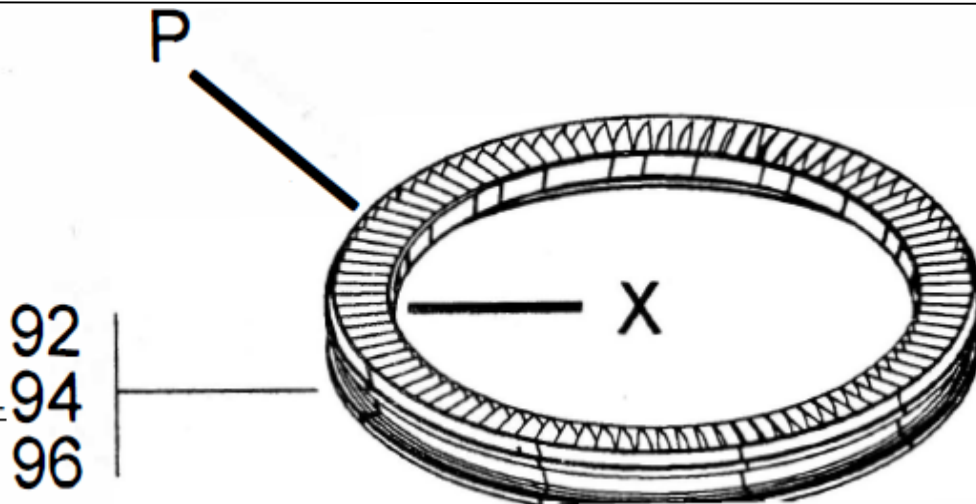
Alternate Source (Repair)
Tinker AFB - 421 SCMS



AMSC: **2C** RMSC: **NA**
Material: **Nickel Alloy**
Dimensions: **8.61L x 1.8W x 2.3H**
Criticality Code: **F**
Drawings Avail: **No** Drawings#: **4083954**
T.O. Avail: **No** T.O.#: **2J-F100-54**
Budget Code: **8**
Cage Code: **77445**
Mesh File Avail: **No** #:
Next Higher Assembly: **N/A**

DMSMS Report

DMSMS Report Not Available



If you would like to participate in the Technical Discussion on **17 Sep 2019, at 1:30 – 2:00 p.m. (CST)**, provide the following information NLT **11 Sep 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



Compressor Vane Segment

Alternate Source (Repair)

Tinker AFB - 421 SCMS



MDS/TMS: **F-15 & F-16/F100**

Noun: **Vane Segment, Compressor**

NSN: **2840-01-619-8985**

PN: **4089078-01**

Buy Price: **\$2,797.08**

Date of Last Procurement: **05/29/2018**

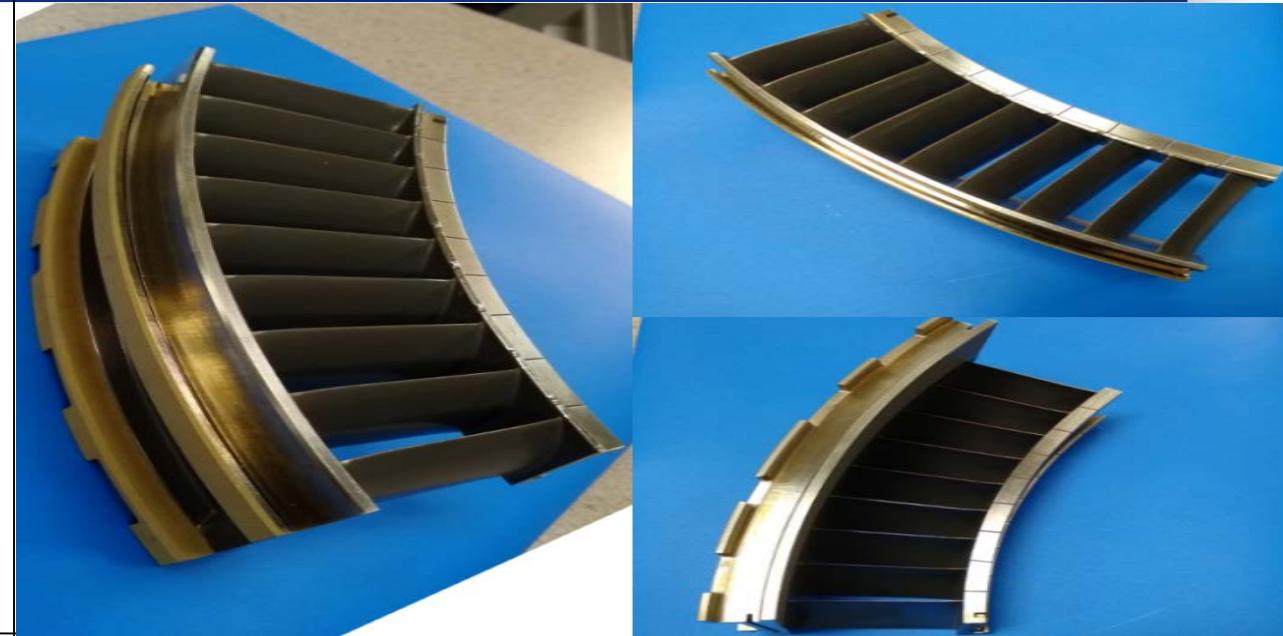
Repair Price: **\$1,230.71**

AAC: **C**

Surplus Available: **No via ILSmart**

QPA & Appl %: **4 @ 100**

Replacement Rate%: **100**



Out Year Requirements (Buy/Repair)

FY20: **62** FY21: **69** FY22: **72** FY23: **65** FY24: **75**

FY20: **03** FY21: **61** FY22: **67** FY23: **69** FY24: **73**

Details/Issues

- **Hot Section Module, Turbine Disk, Multiple NSNs**
- **Part is in the core module of the F100-229 engine**
- **Legacy NSN: 2840013674825 (AAA) P/N: 4083978-01 currently in use/both configurations require repair There is a difference in the coating for Legacy and New NSN's**
- **Interested vendors should submit a Source Approval Request (SAR)**

761 (Y)

762 (N)

EDL (Y)

RDL (N)

Supplying Warfighter Dominance



Compressor Vane Segment

Alternate Source (Repair)

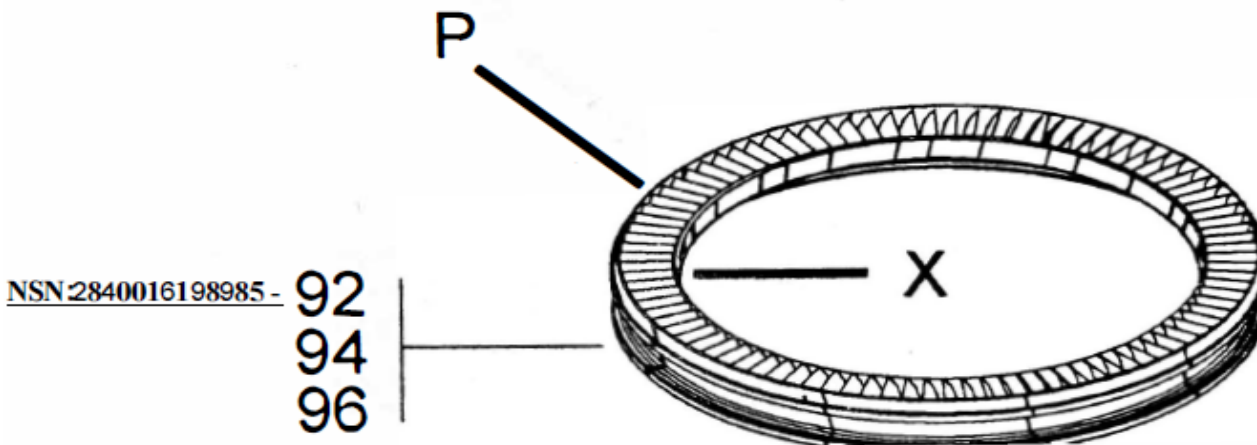
Tinker AFB - 421 SCMS



AMC/AMSC: **2C** RMC/RMSC: **NA**
Material: **Nickel Alloy**
Dimensions: **2.2000" L X 1.2000" W X 1.2000" H X 1.000 LB (Inches)**
Criticality Code: **F**
Drawings Avail: **No** Drawings#: **4083954**
T.O. Avail: **No** T.O.#: **2J-F100-54**
Budget Code: **8**
Cage Code: **77445**
Mesh File Avail: **No** #:
Next Higher Assembly: **N/A**

DMSMS Report

DMSMS Report Not Available



If you would like to participate in the Technical Discussion on **17 Sep 2019, at 1:30 – 2:00 p.m. (CST)**, provide the following information NLT **11 Sep 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



TF33-PW-100A Engine



Supplying Warfighter Dominance



TF33 Items

See Worksheet

Tinker AFB - 421 SCMS



MDS/TMS: E-8C/102C, B-52H/103, E-3/100A
Noun: See Worksheet
NSN: See Worksheet
PN: See Worksheet
Buy Price: See Worksheet
Date of Last Procurement (DOLP): See Worksheet
Repair Price: See Worksheet
AAC: See Worksheet
Surplus Available (ILSmart): See Worksheet
QPA & Appl %: See Worksheet
Replacement Rate%: See Worksheet



Out Year Requirements (Buy/Repair)

See Worksheet

Details/Issues

- Critical Safety Items
- Government does not own technical data rights
- For AMSC/RMSC "C" coded items interested vendors should submit a Source Approval Request (SAR)



TF33 Items

See Worksheet

Tinker AFB - 421 SCMS



AMC/AMSC: See wkst RMC/RMSC: See wkst Material: See worksheet Dimensions: See worksheet Criticality Code: See worksheet Drawings Avail: Partial Drawings#: See wkst Drawing Cage Code: 77445 T.O. Avail: Partial T.O.#: See Wkst Budget Code: 8 (OC) & 9 (DLA) Mesh File Avail: No # Next Higher Assembly/Application: See worksheet	DMSMS Report No Health Analysis Report
	If you would like to participate in the Technical Discussion on 22 Aug 2019, at 9:30-10:30 a.m. (CST), provide the following information NLT 19 Aug 2019 <u>429SCMS.SASPO.Workflow@us.af.mil</u> ▪ Company, address, name(s), email(s), phone ▪ Your questions for engineering



AS
(Alternate Sourcing) New Buy

RE
(Reverse Engineering)

AS
(Alternate Sourcing) Repair

TF33 Items (OC)

See Worksheet

Tinker AFB - 421 SCMS



PROJECT TYPE	SOS	NOUN	NSN	PN	BUY PRICE	DOLP	REPAIR COST	AAC	SURPLUS	QPA / APPL %	RPL or CMD %	BUY & REPAIR RQMTS FY20 thru FY24	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS	CRIT CODE	DRAWING	T.O.	NHA
AS New Buy	OC	Stage 1 Outer Duct	2840013055309	794814	\$11,233.88	9/4/2018	\$1,202.00	M	16	1/100	100 R	30/28/31/30/28 13/14/13/14/14	Y/N/Y/N	1C N/A	AMS56485ST	4"L X 48"W X 50"H X 30 LBS; Aprox 0.141" Thick	Y	794814	2J-TF33-4	TF33-103, Gas Turbine Engine Compressor, 2840012355252
RE	OC	Oil Tube Config	2915011909221	576588	\$7,400.00	4/10/2018	\$1,401.00	M	5	1/100	85 C	94/89/96/93/91 0/0/0/0/0	Y/N/Y/N	1P N/A	Steel Alloy	37"L X 4"W X 4"H X 10 LBS	F	576588	2J-TF33-34	TF33-102C, Rotor-Front Compressor Drive, 2840011606481 2840014679426
RE	OC	2nd Stage Compressor Disk	2840009663021	482402	\$34,926.00	9/25/2017	\$1,492.00	M	1	1/100	73 C	12/15/19/12/21 0/0/0/0/0	N/N/Y/N	3V N/A	PWA 1215 Titanium	16"L X 3.775"W X 16"H X 70 LBS	F	482402	2J-TF33-44	2nd Stage Disk & Blade Assembly (Compressor) 2840000151677, 2840013399164
RE	OC	12th Stage Compressor Disk	2840008067734	762412	\$31,752.28	8/14/2018	\$907.00	M	4	1/100	100R	14/19/20/17/17 0/0/0/0/0	Y/N/Y/N	3V N/A	PWA 749 or PWA 768 Low Alloy Steel	23.5"L X 1.365"W X 23.5"H X 62 LBS	F	762412	2J-TF33-4	Rotor-Rear Compressor, 2840011605511, 2840014741294
RE	OC	14th Stage Compressor	2840007990114	702414	\$20,218.00	3/29/2017	\$1,390.00	M	0	1/100	85 C	84/94/91/87/91 0/0/0/0/0	N/N/Y/N	3V N/A	PWA 749 or PWA 768 Low Alloy Steel	18.9"L X 0.994"W X 18.9"H X 62 LBS	F	702414	2J-TF33-4	Aircraft Compressor, 2840014678828
RE	OC	No 2 Compressor Rear Hub	2840014678591	710410	\$43,014.33	5/11/2015	\$6,685.36	C	0	1/100	52 C	44/48/47/46/46 0/0/0/0/0	N/N/Y/N	3P N/A	AMS 5660 Nickel Alloy	16.56"L X 16.56"W X 16.4"H X 55 LBS	F	710410	2J-TF33-4	Aircraft Compressor, 2840014678828
AS New Buy	OC	3rd Stage Spacer Assembly	2840009668086	714178	\$5,802.98	10/1/2015	\$2,172.00	M	89	1/100	50 C	0/0/0/6/7 1/7/0/0/0	Y/N/Y/N	2C N/A	Metal	25" L X 25" W X 4.8" H X 15 LBS	Y	714178	2J-TF33-44	N1 (LSC) Compressor Rotor, 2840000151677
AS New Buy	OC	4th Stage Compressor Spacer	2840009668085	762382	\$4,618.22	8/10/2016	\$3,306.00	M	20	1/100	63 C	0/47/24/15/25 0/0/0/0/0	Y/N/Y/N	1C N/A	AMS 6415, Low Alloy Steel	3.7890"L X 17.0800"W X 17.0800"H X 4.0000 (LBS)	Y	762382	2J-TF33-4, - 34	Front Compressor Rotor and Stator Assembly, 2840000151677, 2840011603158. 2840014648708
AS New Buy	OC	6th Stage Compressor Spacer	2840009668084	762384	\$4,450.28	7/2/2018	\$2,995.00	M	3	1/100	83 C	6/30/47/32/29 5/0/0/0/0	Y/N/Y/N	1C N/A	AMS 6415, Low Alloy Steel	3.1300"L X 17.2400"W X 17.2400"H X 3.000 (LBS)	Y	762384	2J-TF33-4, - 34	Front Compressor Rotor and Stator Assembly, 2840000151677, 2840011603158. 2840014648708

Supplying Warfighter Dominance



AS
(Alternate Sourcing) New Buy

RE
(Reverse Engineering)

AS
(Alternate Sourcing) Repair

TF33 Items (OC)

See Worksheet
Tinker AFB - 421 SCMS



PROJECT TYPE	SOS	NOUN	NSN	PN	BUY PRICE	DOLP	REPAIR COST	AAC	SURPLUS	QPA / APPL %	RPL or CMD %	BUY & REPAIR RQMTS FY20 thru FY24	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS	CRIT CODE	DRAWING	T.O.	NHA
AS New Buy	OC	5th Stage Compressor Spacer	2840009668083	762383	\$5,764.50	8/10/2016	\$3,604.00	M	24	1/100	38 C	24/30/34/24/30 0/0/0/0/0	Y/N/Y/N	1C N/A	AMS 2416 Steel, Nickel Cadmium	15.20"L X 17.10"W X 3.1250"H X 10 (LBS)	F	762383	2J-TF33-4, -34, -44	Front Compressor Rotor and Stator Assembly, 2840000151677, 2840011603158, 2840014648708
RE	OC	8th Stage Spacer	2840009668088	762377	\$18,434.91	4/1/2019	\$6,643.00	M	105	1/100	47 C	34/33/37/25/34 0/0/0/0/0	Y/N/Y/N	3P N/A	AMS 6415	2.80"L X 16"W X 16"H X 4 (LBS)	Y	762377	2J-TF33-4	Front Compressor Rotor and Stator Assembly, 2840000151677, 2840011603158, 2840014648708
RE	OC	15th Stage Spacer	2840009913735	461485	\$21,560.01	5/23/2017	\$1,835.00	M	27	1/100	83 C	9/12/13/15/8 0/0/0/0/0	Y/N/Y/N	3P N/A	AMS 5660 Nickel Alloy	25(IN) L, 25(IN) W, 3.5(IN) H, 10.8 (LB)	F	461485	2J-TF33-44	2840009188399
RE	OC	13th Stage Spacer	2840001183288	542032	\$16,551.97	8/25/2017	\$5,627.66	M	4	1/100	86 C	13/13/19/11/15 0/0/0/0/0	Y/N/Y/N	3P N/A	AMS 5660 Nickel Alloy	18.9040 (IN) L, 1.9650 (IN) W, 18.9040 (IN) H, 20 (LB)	Y	542032	2J-TF33-4, -34	2840011605511, 2840014741294
RE	OC	15th Stage Spacer	2840004355545	542026	\$16,571.00	3/19/2018	\$2,521.00	C	13	1/100	41 C	7/6/10/7/6 0/0/0/0/0	Y/N/Y/N	3P N/A	AMS 5660 Nickel Alloy	19.3250" L, 1.7880 (IN) W, 19.3250 (IN) H, 20 (LB)	Y	542026	2J-TF33-4, -34	2840011605511, 2840014741294
AS New Buy	OC	16th Stage Compressor Blade	2840009819204	753116	\$478.28	8/31/2017	\$624.00	M	0	77/100	39 R	714/747/758/723/740 0/0/0/0/0	Y/N/Y/N	1C N/A	AMS 5616 Steel Blade	1.835"L X 0.95"W X 0.47"H X 0.5 LBS	F	753116	2J-TF33-44	Aircraft Compressor, 2840009188399
AS New Buy	OC	Diffuser Case	2840012203997	796721	\$241,695.92	8/3/2018	\$23,110.39	C	0	1/100	81 R	20/13/12/14/14 5/6/8/14/3	N/N/Y/N	3P N/A	AMS 5504 and AMS 5613 Corrosion and heat resistance steel	27.47"L X 17.32"W X 38.9"H X 100 LBS	F	796721	2J-TF33-44	TF-33-100A
AS Repair	OC	Turbine Exhaust Case	2840011679586	800224	\$108,149.00	12/13/2018	\$9,200.00	C	16	1/100	58 R	0/0/0/0/0 105/73/117/104/112	Y/Y/Y/Y	3P 1C	Inconel	12"L X 38"W X 38"H X 125 LBS	Y	802406	2J-TF33-4	2840014254071 TF33-005/-009/-102C/-103
RE	OC	LST Shaft CF Config	2840011606500	671023	\$25,290.00	4/3/2018	\$4,298.93	M	0	1/100	79 C	83/91/89/84/92 N/A	N/N/Y/N	3V N/A	AMS 6304 Low Alloy Steel	64"L X 10"W X 10"H X 60 LBS	F	671023	2J-TF33-34	2840000896150, 2840009158261, 2840014679426

Supplying Warfighter Dominance



AS
(Alternate Sourcing) New Buy

RE
(Reverse Engineering)

AS
(Alternate Sourcing) Repair

TF33 Items (DLA)

See Worksheet

Tinker AFB - 421 SCMS



PROJECT TYPE	SOS	NOUN	NSN	PN	BUY PRICE	DOLP	REPAIR COST	AAC	SURPLUS	QPA / APPL %	RPL or CMD %	BUY & REPAIR RQMTS FY20 thru FY24	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS	CRIT CODE	DRAWING	T.O.	NHA
RE	DLA	13th Stage Compressor Rotor Blade	2840007678337	364913	\$523.57	7/1/2019	N/A	D	0	75/100	UNK	1140/1140/1140/1140/1140 N/A	Y/N/Y/N	3R N/A	Titanium	N/A	Y	364913	2J-TF33-4	Rear Rotor Compressor, 2840006859482, 2840014678828
AS New Buy	DLA	Inter-Connector, Can	2840008168611	454297	\$429.44	6/1/2018	N/A	D	144	1/100	UNK	132/132/132/132/132 N/A	Y/N/Y/N	1C N/A	AMS 5536 Nickel Alloy	N/A	X	454297	2J-TF33-4	Rear Rotor Compressor, 2840006859482, 2840014678828
RE	DLA	Compressor Rotor Lock	2840007596319	494420	\$28.12	1/1/2019	N/A	D	30	77/100	UNK	1812/1812/1812/1812/1812 N/A	Y/N/Y/N	3R N/A	N/A	N/A	N/A	494420	2J-TF33-44	Rotor-Rear Compressor 2840009188399
AS New Buy	DLA	Pin-Grooved	5315009862213	463745	\$108.80	5/1/2019	N/A	D	446	2/100	UNK	362/362/362/362/362 N/A	Y/N/Y/N	1C N/A	AMS 5613SST	1.42" Min/1.43" Max - Overall Length 0.496" Min/0.4965" Max - Diameter 1.255" Min/1.275" Max - Effective Length	X	463745	2J-TF33-4	Front Accessory and Component Drives Gearbox Housing
AS New Buy	DLA	Seal Ring	2840003864715	207732	\$376.18	6/1/2019	N/A	D	136	2/100	UNK	165/165/165/165/165 N/A	N/N/N/N	3C N/A	N/A	N/A	Y	207732	2J-TF33-44	Seal, Air, 2840-01-472-1856
AS New Buy	DLA	Tie Rod	5306009668046	471211	\$13.38	12/1/2018	N/A	D	966	24/100	UNK	3950/3950/3950/3950/3950 N/A	Y/N/Y/N	1C N/A	N/A	N/A	F	471211	2J-TF33-14	Rotor Turbine, 2840-00-175-8163
RE	DLA	1st Stage Compressor Vane	2840007658144	390651	\$2,042.62	5/1/2019	N/A	D	10	38/100	UNK	3451/3451/3451/3451/3451 N/A	N/N/Y/N	3P N/A	N/A	N/A	Y	390651	2J-TF33-4	Case and Nozzle Assembly, 2840007982846
RE	DLA	Seal	2840011599631	598159	\$5,593.18	1/1/2019	N/A	D	1	1/100	UNK	84 per year N/A	Y/N/Y/N	3P N/A	N/A	N/A	Y	598159	2J-TF33-34	Shroud Segment, 2840012088503
AS New Buy	DLA	Type 3 Inner Liner	2840001522543	628368	\$4,505.02	2/1/2019	N/A	D	47	As Req'd	UNK	406 per year N/A	N/N/N/N	3C N/A	N/A	N/A	Y	628368	2J-TF33-34	Combustion Chamber, 2840008285212
RE	DLA	Plate Assy, Combust	2840000734415	492645	\$2,108.98	3/1/2018	N/A	D	4	2/100	UNK	0/0/0/0/0 N/A	Y/N/Y/N	1P N/A	AMS 5504 SST	N/A	N/A	492645	2J-TF33-44	NA
AS New Buy	DLA	Inlet Case Seal	2840007947348	786512	\$17,067.72	4/1/2019	N/A	D	2	1/100	UNK	0/0/0/0/0 N/A	Y/N/Y/N	3C N/A	N/A	N/A	Y	786512	2J-TF33-44	Case/Nozzle Assembly, 2840009120107
RE	DLA	#1 Bearing Seal Holder	2840008670134	513228	\$2,645.93	5/1/2019	N/A	D	15	1/100	UNK	144 per year N/A	Y/N/Y/N	3P N/A	N/A	N/A	Y	513228	2J-TF33-34, -44	Seal and Support, NSN 2840015217168
RE	DLA	Turbine Air Seal Ring	2840008478147	513542	\$3,439.24	5/1/2019	N/A	D	42	3/100	UNK	120 per year N/A	Y/N/Y/N	3P N/A	AMS 5754 Nickel Alloy	N/A	Y	513542	2J-TF33-4, -44, -33	NA

Supplying Warfighter Dominance

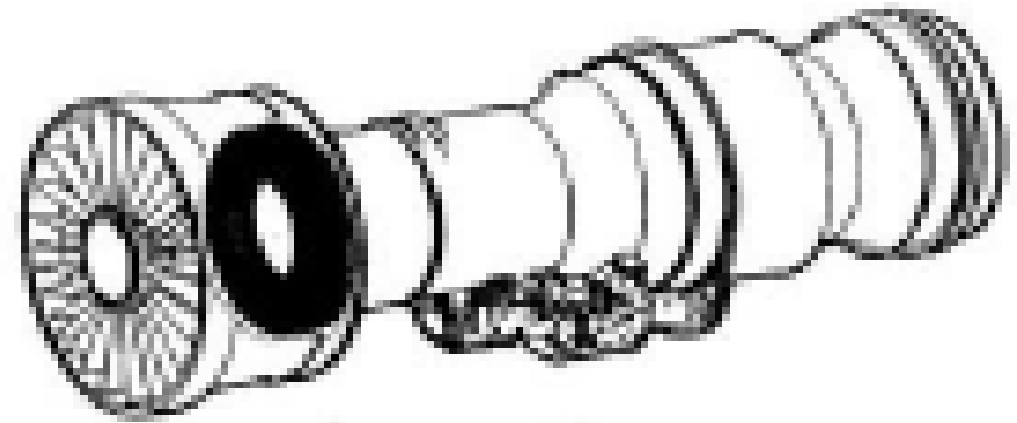


TF33 Stator Assemblies

Alternate Sourcing - Repair
Tinker AFB - 421 SCMS



MDS/TMS: **E-8G/100, B-52H/103, E-3/100**
Noun: **Stator Assemblies - See Worksheet**
NSN: **See Worksheet**
PN: **See Worksheet**
Buy Price: **See Worksheet**
Date of Last Procurement (DOLP): **See Worksheet**
Repair Price: **See Worksheet**
AAC: **See Worksheet**
Surplus Available (ILSmart): **See Worksheet**
QPA & Appl %: **See Worksheet**
Replacement Rate%: **See Worksheet**



Out Year Requirements (Buy/Repair)

See Worksheet

Details/Issues

- **Critical Safety Item**
- **Government does not own technical data rights**
- **Interested vendors should submit a Source Approval Request (SAR)**



TF33 Stator Assemblies

Alternate Sourcing - Repair

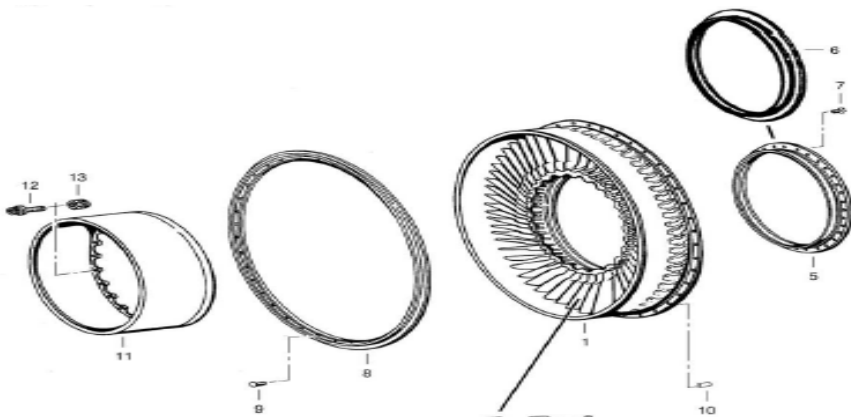
Tinker AFB - 421 SCMS



AMC/AMSC: **See wkst** RMC/RMSC: **See wkst**
Material: **See worksheet**
Dimensions: **See worksheet**
Criticality Code: **See worksheet**
Drawings Avail: **Partial** Drawings#: **See wkst**
Drawing Cage Code: **77445**
T.O. Avail: **Partial** T.O.#: **See Wkst**
Budget Code: **8**
Mesh File Avail: **No** #
Next Higher Assembly/Application: **See worksheet**

DMSMS Report

No Health Analysis Report



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429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering

Supplying Warfighter Dominance



TF33 Stator Assemblies

Alternate Sourcing - Repair
Tinker AFB - 421 SCMS



STAGES	NSN	PN	PN CAGE	AAC	BUY PRICE	DOLP	REPAIR PRICE	SURPLUS	QPA/ APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	T.O. NUMBER	NHA/APPL
5th Stage	2840-01-004-1796	748685	77445	C	\$3,265.92	9/24/1996	\$4,661.00	0	10 / 100	50	0/0/0/0/0 24/165/154/152/119	Y/Y/Y/Y	3H 5C	Steel Alloy	4"L X 22"W X 4"H X 15 LBS	Y	748685	2J-TF33-4, -44	TF33-005/-009/-100A/-102C/-103
6th Stage	2840-01-004-2179	748686	77445	C	\$36,128.60	9/30/2014	\$4,158.44	0	2 / 100	55	0/0/31/4/6 15/177/183/171/94	Y/Y/Y/Y	3P 5C	AMS4125	30.25"L X 3.31"W X 3.31"H X 10LBS	Y	748686	2J-TF33-4, -44	TF33-005/-009/-100A/-102C/-103
7th Stage	2840-01-004-1797	749777	77445	C	\$34,318.32	9/27/2013	\$4,255.00	1	10 / 100	61	0/50/59/61/60 76/205/186/133/87	Y/Y/Y/Y	3P 5C	AMS5504 & AMS5613 corrosion and heat resistant steel	29.67"L X 3.09"W X 29.67"H X 30 LBS	Y	749777	2J-TF33-4, -44	TF33-005/-009/-100A/-102C/-103
8th Stage	2840-01-004-1794	748688	77445	C	\$39,886.18	9/30/2011	\$3,815.00	1	2 / 100	52	0/0/0/0/0 59/175/164/165/124	Y/Y/Y/Y	1P 5C	Aluminum Alloy	29.17"L X 29.16"W X 2.86"H X 15 LBS	Y	748688	2J-TF33-4, -44	TF33-005/-009/-100A/-102C/-103
15th Stage	2840-01-004-5772	766595	77445	C	\$83,764.94	9/6/2017	\$14,291.00	0	1 / 100	100	0/0/0/0/0 10/40/39/25/24	Y/Y/Y/Y	3P 5C	AMS5504 & AMS5613 corrosion and heat resistant steel	27.78"L X 1.6"W X 27.78"H X 60 LBS	Y	766595	2J-TF33-44	TF33-100A Compressor
13th Stage	2840-01-005-1882	766593	77445	M	\$46,005.27	4/6/2011	\$14,731.85	1	1 / 100	100	20/13/7/12/7 31/28/27/26/24	Y/Y/Y/Y	3P 5C	AMS5613 Stainless Steel	27.46"L X 27.46"W X 2.23"H X 15 LBS	Y	766593	2J-TF33-44	TF33-100A Compressor
14th Stage	2840-01-004-5773	766594	77445	C	\$59,334.05	3/26/2010	\$13,456.08	2	1 / 100	100	0/0/0/0/0 38/51/44/31/28	Y/Y/Y/Y	3P 5C	AMS5613 Stainless Steel	27.8"L X 2.5"W X 27.8"H X 15 LBS	Y	766594	2J-TF33-44	TF33-100A Compressor
12th Stage	2840-01-004-5774	765192	77445	C	\$7,556.85	9/29/1993	\$9,224.33	1	1 / 100	100	48/16/6/15/8 28/25/23/22/21	Y/Y/Y/Y	3P 5C	AMS5613 Stainless Steel	27.74"L X 27.74"W X 1.38"H X 8 LBS	Y	765192	2J-TF33-44	TF33-100A Compressor

Supplying Warfighter Dominance



TF33 Stator Assemblies

Alternate Sourcing - Repair
Tinker AFB - 421 SCMS



STAGES	NSN	PN	PN CAGE	AAC	BUY PRICE	DOLP	REPAIR PRICE	SURPLUS	QPA/ APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	T.O. NUMBER	NHA/APPL
11th Stage	2840-01-004-5771	765191	77445	C	\$12,805.79	4/3/2009	\$9,143.96	1	1 / 100	100	0/0/1/3/10 29/57/40/24/22	Y/Y/Y/Y	1P 5C	AMS5613 Stainless Steel	2"L X 20"W X 20"H X 8 LBS	Y	765191	2J-TF33-44	TF33-100A Compressor
10th Stage	2840-01-004-1802	765190	77445	M	\$24,621.23	9/24/2008	\$6,656.85	3	1 / 100	100	0/0/0/0/0 4/52/46/38/31	Y/Y/Y/Y	1P 5C	AMS5613 Stainless Steel	2"L X 20"W X 2"H X 8 LBS	Y	765190	2J-TF33-44	TF33-100A Compressor
13th Stage	2840-01-160-3216	765573	52661	M	\$54,421.23	2/2/2012	\$10,272.00	36	1 / 100	100	175/40/39/53/41 77/61/61/67/64	N/Y/Y/Y	3P 5C	Stainless Steel	27.49"L X 27.49"W X 15 LBS	F	765573	2J-TF33-4, -34	TF33-102C/-103
14th Stage	2840-01-160-3217	765574	77445	M	\$51,562.55	12/4/2018	\$4,000.00	6	4 / 100	64	0/37/23/20/21 59/72/41/49/38	Y/Y/Y/Y	3P 1C	Inconel	23.94"L X 23.92"W X 6.41"H X 40 LBS	F	767922	2J-TF33-4, -34	TF33-005/-009/-102C/-103
15th Stage	2840-01-160-3218	765575	77445	M	\$55,913.20	9/24/2015	\$10,533.00	8	3 / 100	100	153/40/40/61/42 39/72/59/63/61	Y/Y/Y/Y	3P 5C	AMS5504 Stainless Steel	.83"L X .83"W X 19.4"H X 8 LBS	F	765575	2J-TF33-4, -34	TF33-005/-009/-102C/-103
10th Stage	2840-01-160-3213	759580	77445	M	\$16,331.78	2/26/2003	\$6,995.00	3	1 / 100	100	0/0/0/0 15/42/39/30/28	N/Y/Y/Y	3P 1C	AMS5613 Stainless Steel	27.74"L X 27.74"W X 1.38"H X 8 LBS	Y	759580	2J-TF33-34	TF33-102C
12th Stage	2840-01-160-3215	759672	77445	M	\$11,141.82	3/26/2003	\$6,712.00	1	1 / 100	100	0/0/3/10/10 21/44/25/17/16	Y/Y/Y/Y	3P 1C	AMS5613 Stainless Steel	27.74"L X 27.74"W X 2.30"H X 8 LBS	Y	759672	2J-TF33-34	TF33-102C
11th Stage	2840-01-160-3214	759581	77445	M	\$12,329.48	10/1/2014	\$7,152.00	14	1 / 100	100	0/0/0/0 24/43/38/20/18	Y/Y/Y/Y	3P 1C	AMS5504 & AMS5613 Stainless Steel	27.64"L X 1.22"W X 27.64"H X 50 LBS	F	759581	2J-TF33-34	TF33-102C
10th Stage	2840-01-004-1798	765180	77445	M	\$47,751.83	1/24/2014	\$6,727.00	0	1 / 100	100	0/53/25/30/26 66/102/52/53/52	Y/Y/Y/Y	3P 5C	AMS5504 & AMS5613 Stainless Steel	27.15"L X 3.25"W X 27.15"H X 40 LBS	Y	765180	2J-TF33-4	TF33-005/-009/-103
11th Stage	2840-01-004-1799	765181	77445	M	\$10,092.57	7/15/2009	\$6,682.00	0	2 / 100	100	96/15/15/31/11 47/62/60/66/65	Y/Y/Y/Y	3P 5C	Corrosion Resistant Steel	27.74"L X 27.72"W X 2.49"H X 15 LBS	Y	765181	2J-TF33-4	TF33-005/-009/-103
12th Stage	2840-01-004-1800	765182	77445	M	\$63,067.00	5/29/2018	\$11,225.00	0	2 / 100	100	119/21/19/32/17 42/56/56/60/60	Y/Y/Y/Y	3P 5C	Aluminum Alloy	32"L X 4"H X 32"H X 22 LBS	Y	765182	2J-TF33-4	TF33-005/-009/-103

Supplying Warfighter Dominance

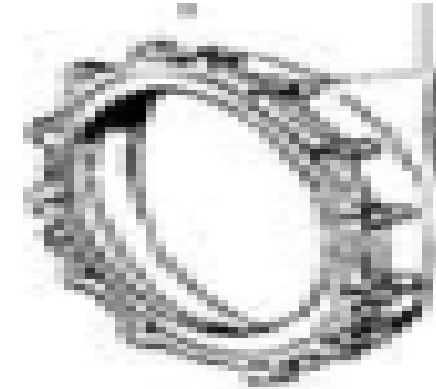


TF33 Carbon Seals

Alternate Sourcing - Repair
Tinker AFB - 421 SCMS



MDS/TMS: **E-8G/100, B-52H/103, E-3/100**
Noun: **Carbon Seals - See Worksheet**
NSN: **See Worksheet**
PN: **See Worksheet**
Buy Price: **See Worksheet**
Date of Last Procurement (DOLP): **See Worksheet**
Repair Price: **See Worksheet**
AAC: **C**
Surplus Available (ILSmart): **See Worksheet**
QPA & Appl %: **See Worksheet**
Replacement Rate%: **See Worksheet**



Out Year Requirements (Buy/Repair)

See Worksheet

Details/Issues

- **Critical Safety Item**
- **Government does not own technical data rights**
- **DMSMS Report not available**
- **Interested vendors should submit a Source Approval Request (SAR)**



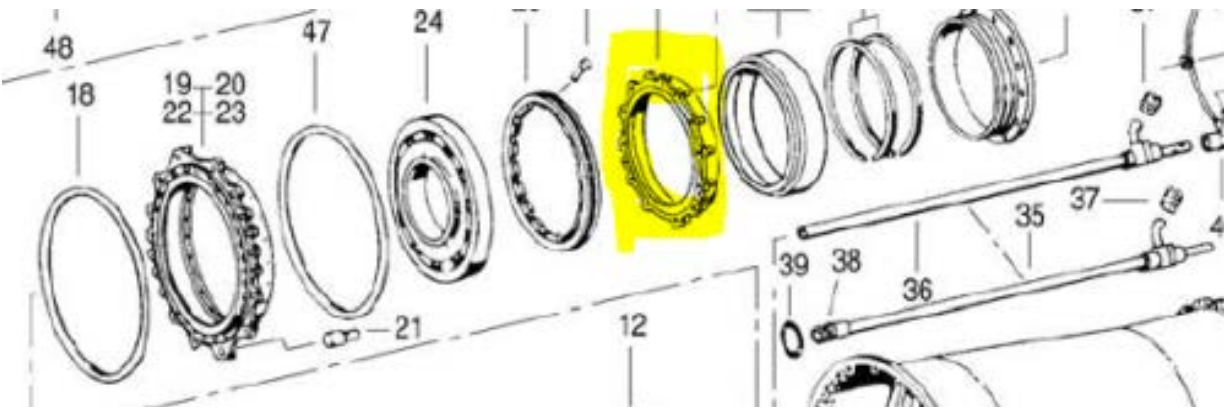
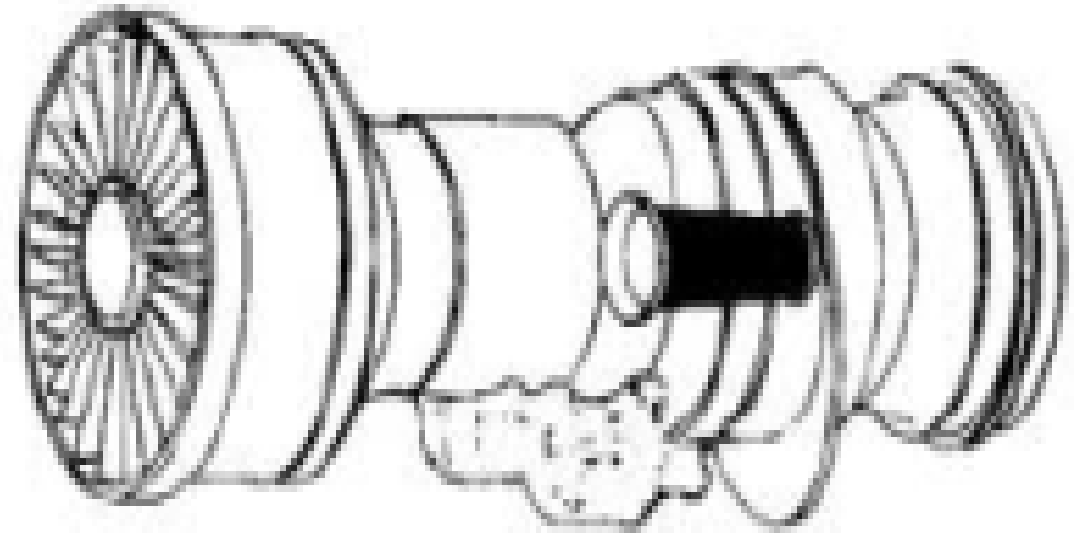
TF33 Carbon Seals

Alternate Sourcing - Repair

Tinker AFB - 421 SCMS



AMC/AMSC: **See wkst** RMC/RMSC: **See wkst**
Material: **See worksheet**
Dimensions: **See worksheet**
Criticality Code: **See worksheet**
Drawings Avail: **Partial** Drawings#: **See wkst**
Drawing Cage Code: **See Wkst**
T.O. Avail: **Partial** T.O.#: **See Wkst (IPB)**
Budget Code: **8**
Mesh File Avail: **No** #
Next Higher Assembly/Application: **See worksheet**



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Supplying Warfighter Dominance



TF33 Carbon Seals

Alternate Sourcing - Repair

Tinker AFB - 421 SCMS



NOUN	NSN	PN	PN CAGE	BUY PRICE	DOLP	REPAIR PRICE	SURPLUS	QPA/ APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	DWG CAGE	T.O. NUMBER	NHA/APPL
#3 Carbon Seal	2840-00-019-2220	463382	77445	\$1,310.21	4/20/2005	\$845.00	106	5 / 100	100	122/18/23/28/22 83/119/116/125/97	Y/Y/Y/Y	3R 1C	Metal Alloy, Carbon Seal & Steel Housing	8"L X 8"W X 1.5"H X 3 LBS	Y	463382	77445	2J-TF33-4, -44	TF33-005/-009/-100A/-102C/-103
#3 Carbon Seal	2840-00-505-9306	246822	77445	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
#5 Carbon Seal	2840-01-470-6511	815922	52661	\$2,713.17	11/19/2009	\$1,085.00	2	5 / 100	100	0/0/0/0/0 58/145/152/152/117	N/Y/Y/Y	4H 1C	Steel Alloy	6.8"L X 6.8"W X 1.0"H X 3.5 LBS	Y	815922	77445	2J-TF33-4, -44	TF33-005/-009/-100A/-102C/-103
#4 Carbon Seal	2840-00-758-8140	483197	77445	\$818.14	4/20/2017	\$792.00	89	4 / 100	100	0/0/0/0/0 69/107/109/120/85	Y/Y/Y/Y	2C 1C	Metallic housing made of AMS5613 SST and contains carbon element	7"L X 7"W X 1"W X 3 LBS	Y	483197	77445	2J-TF33-4, -34	TF33-005/-009/-102C/-103
#2 Carbon Seal	2840-01-160-3033	765302	77445	\$1,292.99	4/10/2004	\$781.00	68	4 / 100	81	0/86/13/11/10 53/66/71/77/62	N/Y/Y/Y	3P 1C	Steel Alloy	6.4"L X 6.4"W X 1.5"H X 3 LBS	Y	765302	77445	2J-TF33-4, -34	TF33-005/-009/-102C/-103
#1 Carbon Seal	2840-00-755-7525 Master	510393	77445	\$1,710.86	1/15/2014	\$806.00	32	4 / 100	100	120/4/12/11/13 67/86/89/102/77	N/Y/Y/Y	3P 1C	Metal Alloy	8"L X 8"W X 1.5"H X 3 LBS	F	510393	77445	2J-TF33-4, -34	TF33-005/-009/-102C/-103
#1 Carbon Seal	2840-00-768-2106 Sub	358395	77445	\$1,710.86	1/15/2014	\$806.00	98	4 / 100	100	included in master requirement (Repair only)	N/A	3C NA	NA	NA	Y	358395	77445	2J-TF33-24 2J-TF33-34	TF33-005/-009/-102C/-103
#2 Carbon Seal	2840-00-226-3901	565721	77445	\$1,816.53	5/20/2010	\$781.00	55	1 / 100	100	30/7/6/2/8 25/32/30/31/24	Y/Y/Y/Y	1C 1C	Steel Alloy	6.5"L X 6.5"W X 1"H X 3 LBS	Y	565721	77445	2J-TF33-44	TF33-100A
#1 Carbon Seal	2840-00-833-3845	565718	77445	\$2,090.59	2/17/2011	\$806.00	5	1 / 100	100	0/0/0/0/0 10/44/38/36/26	Y/Y/Y/Y	1R 1C	Steel Alloy	7.14"L X 1"W X 1.25"H X 5 LBS	Y	565718	77445	2J-TF33-44	TF33-100A

Supplying Warfighter Dominance

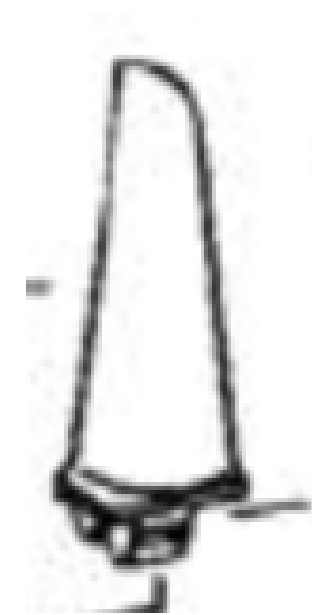


TF33 Blade Sets

Alternate Sourcing - Repair
Tinker AFB - 421 SCMS



MDS/TMS: **E-8G/100, B-52H/103, E-3/100**
Noun: **Blade Sets - See Worksheet**
NSN: **See Worksheet**
PN: **See Worksheet**
Buy Price: **See Worksheet**
Date of Last Procurement (DOLP): **See Worksheet**
Repair Price: **See Worksheet**
AAC: **C**
Surplus Available: **See Worksheet**
QPA & Appl %: **See Worksheet**
Replacement Rate%: **See Worksheet**



Out Year Requirements (Buy/Repair)

See Worksheet

Details/Issues

- **Critical Safety Item**
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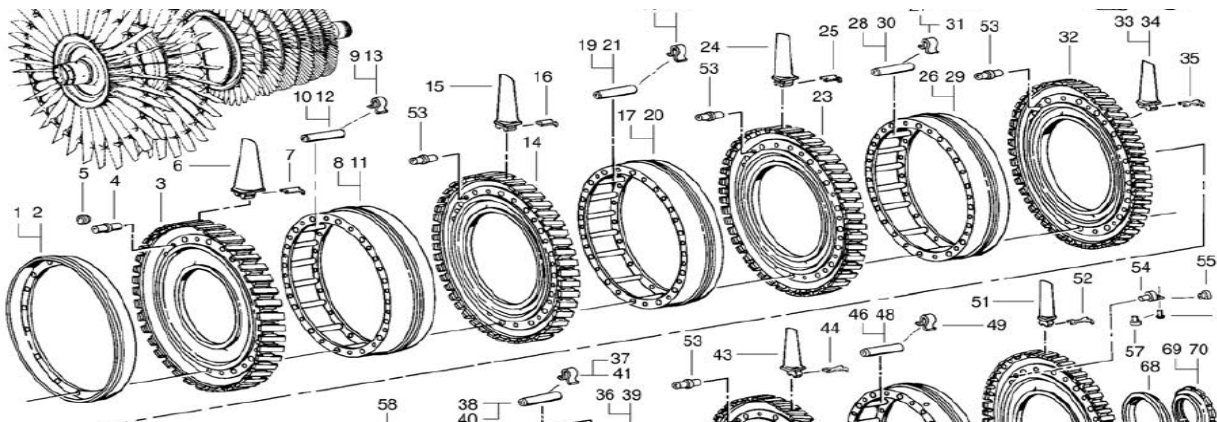
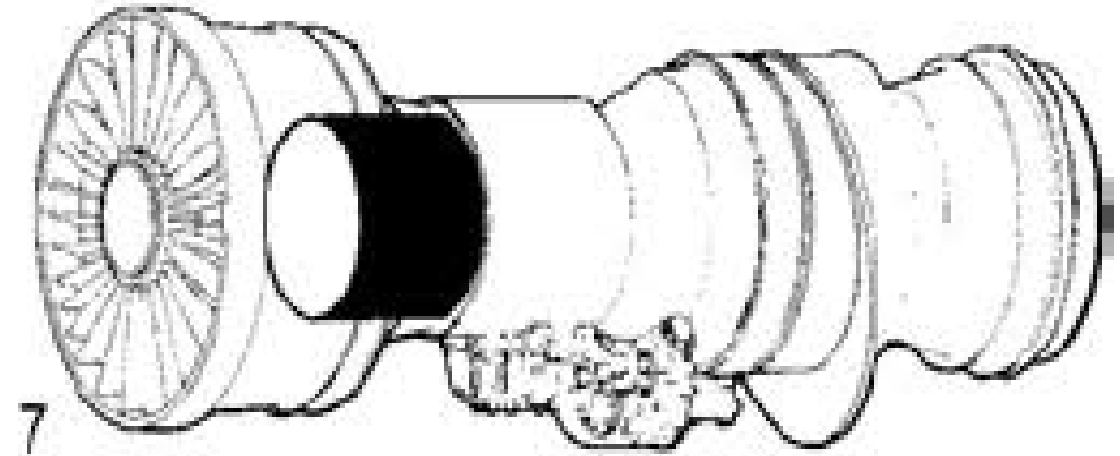
TF33 Blade Sets

Alternate Sourcing - Repair

Tinker AFB - 421 SCMS



AMC/AMSC: **See wkst** RMC/RMSC: **See wkst**
Material: **See worksheet**
Dimensions: **See worksheet**
Criticality Code: **See worksheet**
Drawings Avail: **Partial** Drawings#: **See wkst**
Drawing Cage Code: **See Wkst**
T.O. Avail: **Partial** T.O.#: **See Wkst (IPB)**
Budget Code: **8**
Mesh File Avail: **No** #
Next Higher Assembly/Application: **See worksheet**



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Supplying Warfighter Dominance



TF33 Blade Sets

Alternate Sourcing - Repair
Tinker AFB - 421 SCMS



NOUN	NSN	PN	PN CAGE	BUY PRICE	DOLP	REPAIR PRICE	SURPLUS	QPA/ APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	DWG CAGE	T.O. NUMBER	NHA/APPL
1st Stage Blade Set	2840-00-157-3633	694221	77445	\$4,738.50	7/27/1996	\$492.70	800	17 @ 100	100	0/0/248/0/0 373/496/467/404/375	Y/Y/Y/Y	1P 1P	AMS4928 Titanium Alloy	17.073"L X 3.92"W X .985"H X 5 LBS	F	694221	77445	2J-TF33-44	TF33-100 Compressor Hub
1st Stage Blade	2840-00-439-9238	410025	77445	\$5,394.57	9/27/2012	\$470.00	0	16 @ 100	100	0/0/0/0/0 453/1250/1211/1335/1245	N/Y/Y/Y	EV 1C	AMS4928 Titanium Alloy	16.279"L X 3.508"W X 1.5"H X 10 LBS	F	410025	77445	2J-TF33-4	TF33-P-103 Compressor Rotor
2nd Stage Compressor Blade Set	2840-00-439-9236	410026	52661	\$3,765.33	8/1/2002	\$600.00	0	16 @ 100	105	0/0/0/0/0 2269/2122/1964/2191/1796	Y/Y/Y/Y	3V 1C	AMS4928 Titanium Alloy	14.655"L X 3.347"W X .985"H X 8 LBS	Y	410026	77445	2-1-111; 2JTF33-53-1, 2, -5, -6, -7; 2J-TF33-345	TF33-P-102C/P-103 Low Speed Compressors
1st Stage Turbine Blade Set	2840-01-411-0982	780831	77445	\$2,022.00	9/28/2017	\$238.00	372	65 @ 100	100	0/0/0/0/0 5009/2795/6541/4285/3344	Y/Y/Y/Y	3R 1C	PWA 1455 Nickel Alloy with protective coating of PWA 70 with overcoating of PWA 73	3.75"L X 1.25"W X .75"H X .5 LB	F	780831	77445	2-1-111; 2J-TF33-53-1, 2, -5, -6, -7; 2J-TF33-4, -34, -44	TF33 Multiple Turbine Compressor Rotors

Supplying Warfighter Dominance



TF33 Turbine Nozzle Vanes

Alternate Sourcing - Repair
Tinker AFB - 421 SCMS



MDS/TMS: **E-8G/100, B-52H/103, E-3/100**
Noun: **Turbine Nozzle Vanes - See worksheet**
NSN: **See worksheet**
PN: **See worksheet**
Buy Price: **See worksheet**
Date of Last Procurement (DOLP): **See worksheet**
Repair Price: **See worksheet**
AAC: **See worksheet**
Surplus Available (ILSmart): **See worksheet**
QPA & Appl %: **See worksheet**
Replacement Rate%: **See worksheet**



Details/Issues

Out Year Requirements (Buy/Repair)

See Worksheet

- **Critical Safety Item**
- **Government does not own technical data rights**
- **DMSMS Report not available**
- **Interested vendors should submit a Source Approval Request (SAR)**



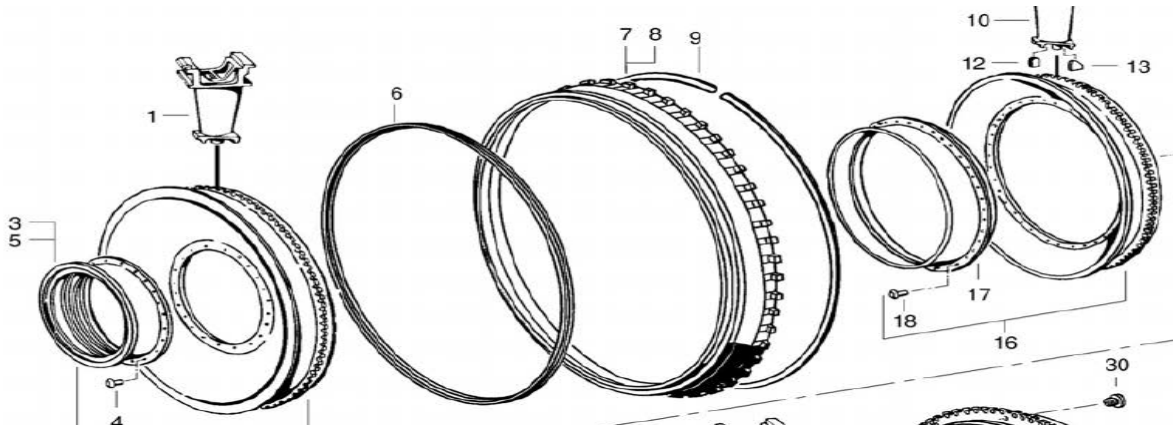
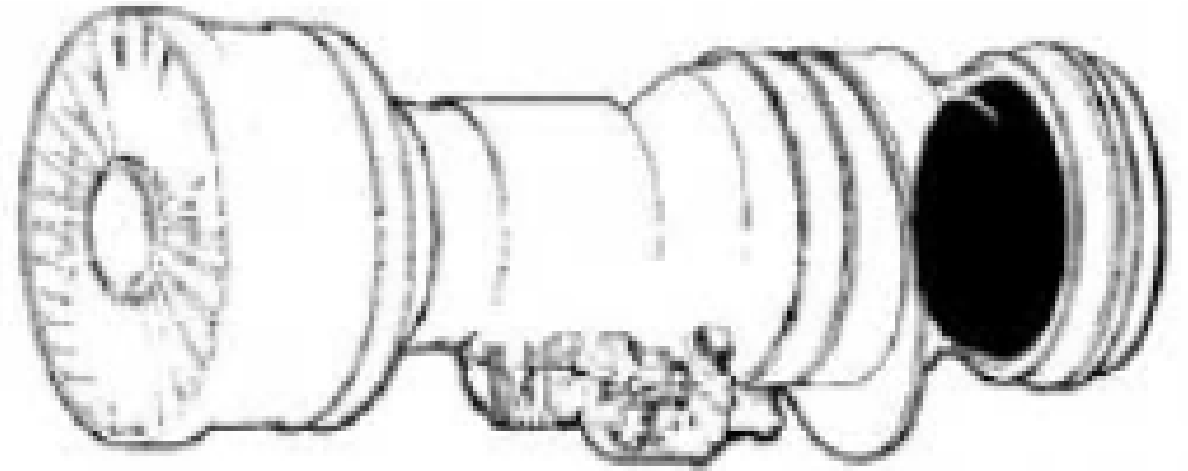
TF33 Turbine Nozzle Vanes

Alternate Sourcing - Repair

Tinker AFB - 421 SCMS



AMC/AMSC: **See wkst** RMC/RMSC: **See wkst**
Material: **See worksheet**
Dimensions: **See worksheet**
Criticality Code: **See worksheet**
Drawings Avail: **Partial** Drawings#: **See wkst**
Drawing Cage Code: **See wkst**
T.O. Avail: **Partial** T.O.#: **See wkst (IPB)**
Budget Code: **8**
Mesh File Avail: **No** #
Next Higher Assembly/Application: **See worksheet**



If you would like to participate in the Technical Discussion on **22 Aug 2019, at 9:30-10:30 a.m. (CST)**, provide the following information NLT **19 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering

Supplying Warfighter Dominance



TF33 Turbine Nozzle Vanes

Alternate Sourcing - Repair
Tinker AFB - 421 SCMS



Stage/Class	NSN	PN	PN CAGE	BUY PRICE	DOLP	REPAIR PRICE	AAC	SURPLUS AVAILABLE (ILSMART)	QPA/ APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	DWG CAGE	T.O. NUMBER
3rd / 3	2840-00-962-1260	799353CL3	77445	\$368.90	5/4/1985	\$51.43	C	265	95/28% (005) 95/28% (009) 95/42% (100A) 95/34%(102C) 95/30%(103)	100	0/0/0/0/0 3664/4052/4118/4387/3296	Y/Y/Y/Y	2C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	799353	77445	2J-TF33-4, -34, -44
1st / 20	2840-01-394-5228	804351CL20	77445	\$1,215.39	6/26/2012	\$213.00	C	0	63/13% (005) 63/13% (009) 63/21% (100A) 63/19%(102C) 63/37%(103)	100	0/0/0/0/0 76/2389/2657/2955/2154	Y/Y/Y/Y	3R 1C	Cobalt Alloy	4.15"L X 2.04"W X 1.3"H X .5 LBS	Y	804351	77445	2J-TF33-4, -34, -44
3rd / 4	2840-00-962-1261	799353CL4	77445	\$368.90	5/4/1985	\$51.43	C	424	95/28% (005) 95/28% (009) 95/13% (100A) 95/23%(102C) 95/27%(103)	100	0/0/0/0/0 605/3063/3158/3540/2597	N/Y/Y/Y	4H 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	799353	77445	2J-TF33-4, -34, -44
4th / 8	2840-00-962-1265	799554CL8	77445	\$368.90	5/4/1985	\$51.00	C	70	95/28% (005) 95/28% (009) 95/13% (100A) 95/23%(102C) 95/27%(103)	100	0/2048/839/837/824 1838/3243/2176/2419/1809	N/Y/N/Y	3V 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	799554	77445	2J-TF33-4, -34, -44
3rd / 2	2840-00-962-1259	799353CL2	77445	\$52.97	11/21/2018	\$51.00	C	516	95 / 45	100	0/0/0/0/0 3749/4578/4674/5162/3792	Y/Y/Y/Y	2C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	F	799353	77445	2J-TF33-4, -34, -44
4th / 5	2840-00-962-1256	799554CL5	77445	\$368.90	5/4/1985	\$51.00	C	0	89/18% (005) 89/18% (009) 89/24% (100A) 89/27%(102C) 89/26%(103)	100	0/1921/855/853/856 2017/2685/2541/2502/1888	N/Y/Y/Y	3P 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	799554	77445	2J-TF33-4, -34, -44
1st / 19	2840-01-394-5226	804351CL19	77445	\$1,126.68	10/26/2011	\$213.00	C	0	63/13% (005) 63/13% (009) 63/30% (100A) 63/27%(102C) 63/36%(103)	100	0/0/0/0/0 2249/2994/3068/3307/2445	Y/Y/Y/Y	3R 1C	Cobalt Alloy	4.15"L X 2.04"W X 1.3"H X .6 LBS	Y	804351	77445	2J-TF33-4, -34, -44

Supplying Warfighter Dominance



TF33 Turbine Nozzle Vanes

Alternate Sourcing - Repair Tinker AFB - 421 SCMS



Stage/Class	NSN	PN	PN CAGE	BUY PRICE	DOLP	REPAIR PRICE	AAC	SURPLUS AVAILABLE (ILSMART)	QPA/ APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	DWG CAGE	T.O. NUMBER	NHA/APPL
2nd / 12	2840-00-757-0303	798452CL12	77445	\$368.90	5/4/1985	\$51.00	C	87	76/11% (005) 76/11% (009) 76/20%(102C) 76/33%(103)	100	0/0/0/0/0 1089/2415/2495/2853/2081	N/Y/Y/Y	4R 1C	Nickel Alloy	5"L X 2"W X 2"H X 2 LBS	Y	798452	77445	2J-TF33-4, -34	TF33-005/-009/-102C/-103
1st / 21	2840-01-394-5883	804351CL21	77445	\$832.05	2/16/2007	\$213.00	C	2	63/13% (005) 63/13% (009) 63/19%(100A) 63/17%(102C)	100	0/0/0/0/0 405/785/815/809/623	Y/Y/Y/Y	3R 1C	Cobalt Alloy	4.15"L X 2.04"W X 1.3"H X .6 LBS	Y	804351	77445	2J-TF33-4, -34, -44	TF33-005/-009/-100A/-102C
2nd / 11	2840-00-757-0307	798452CL11	77445	\$368.90	5/4/1985	\$51.00	C	478	76/14% (005) 76/14% (009) 76/30%(102C)	100	0/0/0/0/0 360/609/727/694/625	N/Y/N/Y	3R 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	798452	77445	2J-TF33-4, -34	TF33-005/-009/-102C
2nd/ 9	2840-00-803-6721	798452CL9	77445	\$368.90	5/4/1985	\$51.00	C	22	76/38% (005) 76/38% (009) 76/18%(102C)	100	0/0/0/0/0 163/400/460/434/394	N/Y/Y/Y	3P 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	798452	77445	2J-TF33-4, -34	TF33-005/-009/-102C
2nd / 10	2840-00-673-2210	798452CL10	77445	\$368.90	5/4/1985	\$51.43	C	0	76/37% (005) 76/37% (009) 76/32%(102C)	100	0/0/0/0/0 392/661/789/754/676	N/Y/N/Y	3C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	798452	77445	2J-TF33-4, -34	TF33-005/-009/-102C
1st / 24	2840-01-394-5229	804351CL24	77445	\$1,126.68	10/26/2011	\$213.00	C	0	63/28% (005) 63/28% (009)	0	0/0/0/0/0 0/0/0/0/0	Y/Y/Y/Y	1R 1C	Cobalt Alloy	4.98"L X 5.03" (max) - Flow area - 1.4" (min) to 1.5" (max)	Y	804351	77445	2J-TF33-4, -34, -44	TF33-005/-009
3rd / 5	2840-00-962-1262	799353CL5	77445	\$368.90	5/4/1985	\$52.97	C	140	95/25% (005) 95/25% (009)	0	0/0/0/0/0 0/0/31/51/52	Y/Y/Y/Y	4H 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	F	799353	77445	2J-TF33-4, -34, -44	TF33-005/-009

Supplying Warfighter Dominance



TF33 Turbine Nozzle Vanes

Alternate Sourcing - Repair
Tinker AFB - 421 SCMS



Stage/Class	NSN	PN	PN CAGE	BUY PRICE	DOLP	REPAIR PRICE	AAC	SURPLUS AVAILABLE (ILSMART)	QPA/ APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	DWG CAGE	T.O. NUMBER	NHA/APPL
3rd / 1	2840-00-962-1255	799353CL1	77445	\$368.90	5/4/1985	\$51.00	C	106	95/10% (102C) 95/14% (103)	100	0/0/0/0/0 720/1276/1324/1508/1094	N/Y/N/Y	2C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	799353	77445	2J-TF33-4, -34, -44	TF33-102C/103
2nd / 11	2840-00-966-3028	565852CL11	77445	\$368.90	5/4/1985	\$51.00	C	0	76/25% (100A)	100	608/226/239/297/219 863/837/405/415/299	N/Y/Y/Y	4R 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	565852	77445	2J-TF33-44	TF33-100A
2nd / 12	2840-00-966-3029	565852CL12	77445	\$368.90	5/4/1985	\$51.00	C	9	76/38% (100A)	100	394/348/364/454/337 645/1255/1137/630/457	N/Y/Y/Y	1C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	565852	77445	2J-TF33-44	TF33-100A
2nd / 13	2840-00-966-3030	489152CL13	77445	\$368.90	5/1/1985	\$51.00	C	0	76/37% (100A)	100	0/0/0/0/0 955/535/0/703/758	N/Y/N/Y	2C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	None	NA	2J-TF33-44	TF33-100A
1st / 17	2840-01-394-5230	804351CL17	77445	\$1,126.68	10/26/2011	\$213.00	C	0	63/13% (102C)	100	0/0/0/0/0 316/228/360/336/308	Y/Y/Y/Y	3H 1C	Steel Alloy	4"L X 1.43"W X 3"H X 2 LBS	Y	804351	77445	2J-TF33-4, -34, -44	TF33-102C
1st / 18	2840-01-394-5231	804351CL18	77445	\$1,151.28	4/14/2012	\$213.00	C	0	63/30% (100A) 63/24% (102C) 63/27% (103)	100	0/0/0/0/0 2159/1924/2412/2580/1967	Y/Y/Y/Y	3R 1C	Cobalt Alloy	4.15"L X 2.04"W X 1.3"H X .5 LBS	Y	804351	77445	2J-TF33-4, -34, -44	TF33-100A/-102C/-103
1st / 16	2840-01-394-5225	804351CL16	77445	\$1,126.68	10/26/2011	\$213.00	C	0	NA	NA	0/0/0/0/0 0/28/80/64/64	Y/Y/Y/Y	3R 1C	Cobalt Alloy	4.000"L X 1.4180"W X 3.000"H X 2.000 LBS	Y	804351	77445	2J-TF33-4	TF33
2nd / 13	2840-00-757-0304	798452CL13	77445	\$368.90	5/4/1985	\$51.00	C	200	76/33% (103)	100	0/0/0/0/0 858/1939/1940/2302/1576	N/Y/N/Y	3C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	798452	77445	2J-TF33-4, -34	TF33-103
2nd / 14	2840-00-757-0305	798452CL14	77445	\$368.90	5/4/1985	\$51.00	C	64	76/34% (103)	100	0/0/0/0/0 1398/1996/1996/2369/1624	N/Y/N/Y	3C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	798452	77445	2J-TF33-4, -34	TF33-103

Supplying Warfighter Dominance



TF33 Turbine Nozzle Vanes

Alternate Sourcing - Repair
Tinker AFB - 421 SCMS



Stage/Class	NSN	PN	PN CAGE	BUY PRICE	DOLP	REPAIR PRICE	AAC	SURPLUS AVAILABLE (ILSMART)	QPA/ APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	DWG CAGE	T.O. NUMBER	NHA/APPL
2nd / 9	2840-00-966-8081	565852CL9	77445	\$368.90	5/4/1985	\$51.43	C	8	0/0	0	0/0/0/0/0 0/0/0/0/0	N/Y/N/Y	2C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	565852	77445	2J-TF33-44	None
2nd / 15	2840-00-673-2162	798452CL15	77445	\$368.90	5/4/1985	\$51.43	V	25	0/0	0	0/0/0/0/0 0/0/0/0/0	N/Y/N/Y	0/0 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	798452	77445	2J-TF33-4, -34	TF33-100A
2nd / 10	2840-00-966-3027	565852CL10	77445	\$368.90	5/4/1985	\$51.43	C	0	0/0	0	0/0/0/0/0 0/0/0/0/0	N/Y/N/Y	2C 1C	Nickel Alloy Overall	3.000"L X 3.5000"W X 3.0000"H X 0.7000 OZ	Y	489152 & 565852	77445	2J-TF33-14, -44	TF33-100A
4th Stage	2840-00-962-1263	799554CL6	77445	\$368.90	5/4/1985	\$51.00	C	28	89 @ 26	100	2378/777/767/981/776 2006/2696/2047/2264/1716	N/Y/Y/Y	3P 1C	Nickel Alloy - AMS5388	3L, 3.5W, 3H, .7000 OZ	Y	799544	77445	2J-TF33-4, -34, -44	TF33 Multiple
NA	2840-00-962-1264	799554CL7	77445	\$368.90	5/4/1985	\$51.00	C	0	89 @ 31	100	2904/901/881/1109/878 2630/2705/2308/2563/1939	N/Y/Y/Y	4P 1C	Nickel Alloy	3L, 3.5W, 3H, .7000 OZ	Y	799554	77445	2J-TF33-4	TF33 Multiple

Supplying Warfighter Dominance



Turbine Nozzle Supports/Misc

Alternate Sourcing - Repair
Tinker AFB - 421 SCMS



MDS/TMS: **E-8C/102C, B-52H/103, E-3A/100**
Noun: **See worksheet**
NSN: **See worksheet**
PN: **See worksheet**
Buy Price: **See worksheet**
Date of Last Procurement (DOLP): **See worksheet**
Repair Price: **See worksheet**
AAC: **C**
Surplus Available (ILSmart): **See worksheet**
QPA & Appl %: **See worksheet**
Replacement Rate%: **See worksheet**



Out Year Requirements (Buy/Repair)

See worksheet

Details/Issues

- **DMSMS Report not available**
- **Interested vendors should submit a Source Approval Request (SAR)**



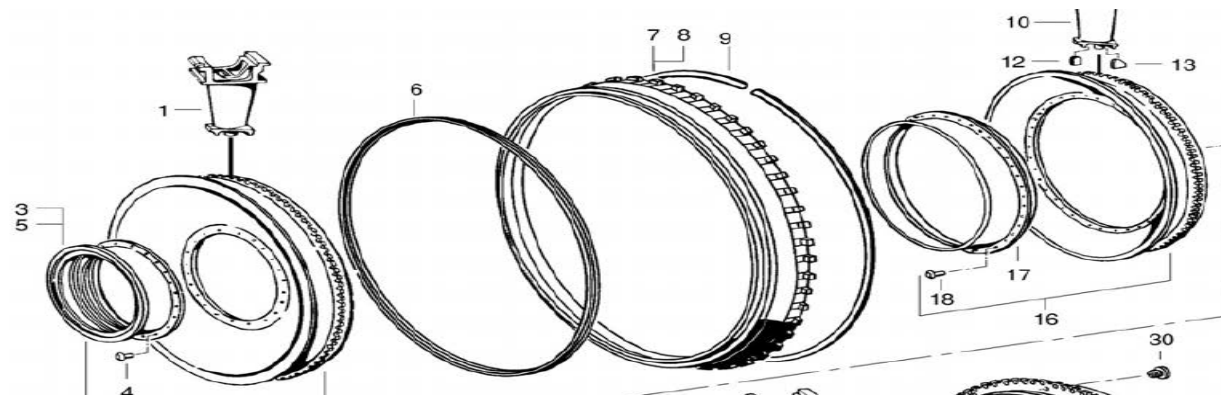
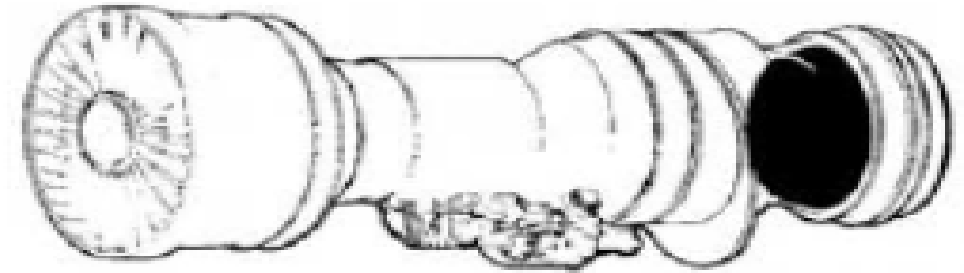
Turbine Nozzle Supports/Misc

Alternate Sourcing - Repair

Tinker AFB - 421 SCMS



AMC/AMSC: **See wkst** RMC/RMSC: **See wkst**
Material: **See worksheet**
Dimensions: **See worksheet**
Criticality Code: **See worksheet**
Drawings Avail: **Partial** Drawings#: **See wkst**
Drawing Cage Code: **77445**
T.O. Avail: **Partial** T.O.#: **See wkst**
Budget Code: **8**
Mesh File Avail: **No** #
Next Higher Assembly/Application: **See worksheet**



If you would like to participate in the Technical Discussion on **22 Aug 2019, at 9:30-10:30 a.m. (CST)**, provide the following information NLT **19 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



Turbine Nozzle Supports/Misc

Alternate Sourcing – Repair

Tinker AFB - 421 SCMS



NOUN	NSN	PN	PN CAGE	BUY PRICE	DOLP	REPAIR PRICE	SURPLUS	QPA/ APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	DWG CAGE	T.O. NUMBER	NHA/APPL
Combustion Clamp	2840-00-169-0191	622382	77445	\$1,313.17	4/16/1988	\$210.00	0	8 @ 100	60	0/0/0/0/0 27/627/707/750/566	Y/Y/Y/Y	1C 1C	Nickel Alloy	10L, 2.6W, 10H, 5LBS	Y	622382	77445	2J-TF33-4, -34, -44	TF33 Multiple
Turbine Nozzle Support	2840-01-038-3217	767922	77445	\$51,562.55	12/4/2018	\$4,000.00	6	4 @ 100	64	0/37/23/20/21 59/72/41/49/38	Y/Y/Y/Y	3P 1C	Inconel	23.935L, 23.923W, 6.41H, 40LBS	F	767922	77445	2J-TF33-4, -34	TF33 Multiple
Turbine Nozzle Support	2840-01-036-4842	767921	77445	\$39,994.74	5/15/2017	\$4,347.68	2	1 @ 100	68	0/0/0/0/0 9/37/35/29/14	Y/Y/Y/Y	3P 1C	Inconel	24L, 24W, 6.2500H, 40LBS	F	399080	77445	2J-TF33-4	TF33-100A
Turbine Exhaust Case Assy	2840-00-967-3951	802404	77445	\$78,208.56	12/8/2014	\$9,200.00	0	2 @ 100	50	0/0/0/0/0 32/32/15/12/8	N/Y/Y/Y	3P 1C	AMS5616 Stainless Steel	38.4L, 38.4W, 11.35H, 30LBS	Y	802404	77445	2J-TF33-44	Turbine Case, NSN 2840-01-425-7295

Supplying Warfighter Dominance



Inter-Continental Ballistic Missile (ICBM)



Supplying Warfighter Dominance



Final Assembly Solenoid

Alternate Sourcing - New Buy
Hill AFB – 414 SCMS



MDS/TMS: **ICBM/LGM30**

Noun: **Final Assembly Solenoid**

NSN: **5945-01-317-9702**

PN: **1005489**

Buy Price: **\$994.46**

Date of Last Procurement: **03/01/2011**

Repair Price: **N/A**

AAC: **V**

Surplus Available: **Yes via ILSmart**

QPA & Appl %: **4 @ 100**

Replacement Rate%: **100%**



Out Year Requirements (Buy/Repair)

FY20: **48** FY21: **48** FY22: **48** FY23: **48** FY24: **48**

FY20: **0** FY21: **0** FY22: **0** FY23: **0** FY24: **0**

Details/Issues

- Interested vendors should look on Fed-Biz Ops (FBO) for future solicitations
- Testing requirements/performance called out from drawings
- Identify new source(s) for solenoid; current “no bid” - OEM
- Need vendor to subcontract Hardened Critical Item (HCI) testing (shock, vibration, EMI) at government facilities or industry facilities with government approval
- Required first article testing on sample production lots for solenoid
- Require first article inspection on each component, subassembly and final assembly

761 **(Y)**

762 **(N)**

EDL **(Y)**

RDL **(N)**

Supplying Warfighter Dominance



Final Assembly Solenoid

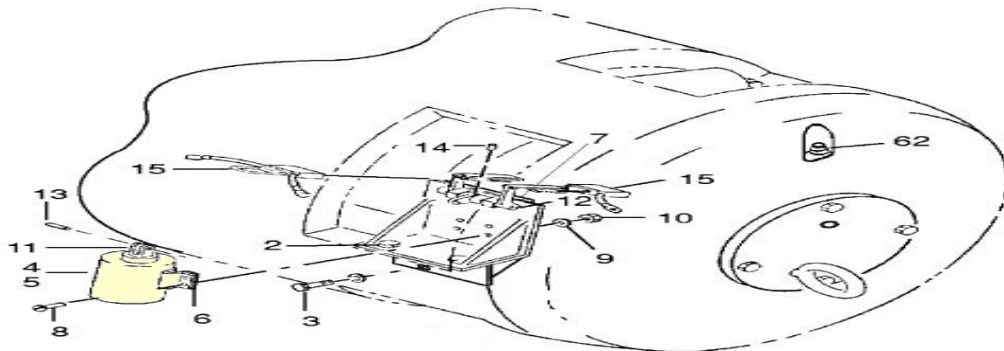
Alternate Sourcing - New Buy
Hill AFB – 414 SCMS



AMC/AMSC: **1/G** RMC/RMSC: **N/A**
Material: **Carbon steel, brass, steel tube, beryllium copper and silver**
Dimensions: **L: 1.8" x W: 2.5"**
Criticality Code: **M**
Drawings Avail: **Yes** Drawings#: **1005489**
T.O. Avail: **No** T.O.#:
Budget Code: **9**
Drawing Cage Code: **08719**
Mesh File Avail: **No** #
Next Higher Assembly: **LGM-30/Motor Generator Assembly /NSN 6125-01-034-3374**

DMSMS Report

No DMSMS Report



If you would like to participate in the Technical Discussion on **20 Aug 2019, at 9:30-10:00 a.m. (CST)**, provide the following information NLT **19 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering

Supplying Warfighter Dominance



Mini-MUTES



Supplying Warfighter Dominance



Traveling Wave Tube

Alternate Source - New Buy & Repair
Hill AFB – 415 SCMS



MDS/TMS: **Mini-MUTES / TMS: N/A**
Noun: **Traveling Wave Tube**
NSN: **5960-01-493-3948**
PN: **670HA**
Buy Price: **\$13,104.70**
Date of Last Procurement: **2/1/2002**
Repair Price: **\$4,455.59**
AAC: **C**
Surplus Available: **No via ILSmart**
QPA & Appl %: **1 @ 100%**
Replacement Rate%: **0**



Out Year Requirements (Buy/Repair)

FY20: **1** FY21: **2** FY22: **1** FY23: **2** FY24: **1**
FY20: **0** FY21: **2** FY22: **0** FY23: **0** FY24: **0**

Details/Issues

- **Technical Order is available**
- **Both new buy and repair requests were “No Bid”**

761 (N)

762 (Y)

EDL (N)

RDL (Y)

Supplying Warfighter Dominance



Traveling Wave Tube

Alternate Source - New Buy & Repair

Hill AFB – 415 SCMS



AMC/AMSC: **NA**

RMC/RMSC: **0/0**

Material: **NA**

Dimensions: **11.14" Min/11.26" Ma X 2.37"H X 2"W**

Criticality Code: **X**

Drawings Avail: **No**

Drawings#: **670HA**

T.O. Avail: **Yes**

T.O.#: **33A1-2-287-1**

Budget Code: **8**

Drawing Cage Code: **1L7Y9**

Mesh File Avail: **No** #

Next Higher Assembly: **Mini-MUTES Radar Transmitter**

DMSMS Report

DMSMS Report – Not Available



If you would like to participate in the Technical Discussion on **20 Aug 2019, at 10:30-11:00 a.m. (CST)**, provide the following information NLT **19 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



Electron Tube

Alternate Source - Repair
Hill AFB – 415 SCMS



MDS/TMS: **MUTES / TMS: N/A**

Noun: **Electron Tube**

NSN: **5960-01-107-2549**

PN: **L-5714-50** PN CAGE: **80080**

Buy Price: **\$66,990.20**

Date of Last Procurement: **4/20/2009**

Repair Price: **\$54,077.63**

AAC: **C**

Surplus Available: **No via ILSmart**

QPA & Appl %: **1 @ 100%**

Replacement Rate%: **4**



Out Year Requirements (Buy/Repair)

FY20: **0** FY21: **0** FY22: **0** FY23: **0** FY24: **0**

FY20: **5** FY21: **6** FY22: **6** FY23: **6** FY24: **6**

Details/Issues

- **Interested vendors should submit a Source Approval Request (SAR)**
- **Alternate source must quality IAW the design control activity procedures**

761 (Y)

762 (Y)

EDL (Y)

RDL (Y)

Supplying Warfighter Dominance



Electron Tube

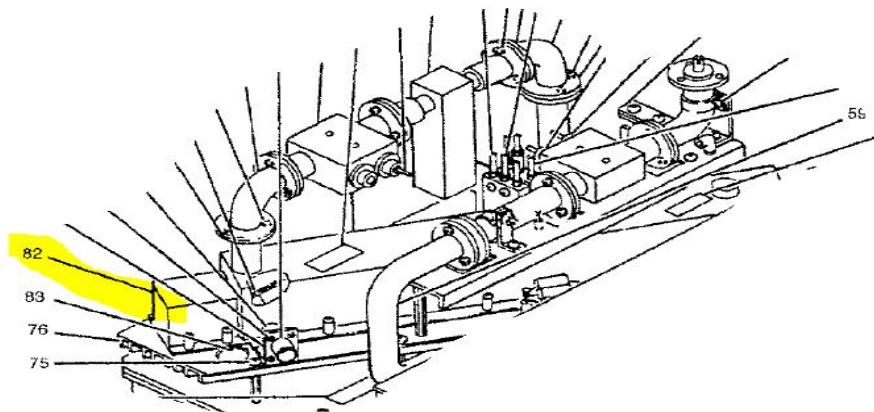
Alternate Source - Repair
Hill AFB – 415 SCMS



AMC/AMSC: **1 / G** RMC/RMSC: **3 / C**
Material: **Steel Casing, Cathode, Anode, Brass, Copper**
Dimensions: **30"L X 8"W X 9"H X 38 LBS**
Criticality Code: **X**
Drawings Avail: **Yes** Drawings#: **654VE0007**
T.O. Avail: **Yes** T.O.#: **43D7-19-2-4**
Budget Code: **8**
Drawing Cage Code: **81755**
Mesh File Avail: **No** #
Next Higher Assembly: **Radar Transmitter/OR350V4**

DMSMS Report

DMSMS Report Not Available



If you would like to participate in the Technical Discussion on **18 Sep 2019, at 2:00-2:30 p.m. (CST)**, provide the following information NLT **11 Sep 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



Oscillating Group

Alternate Source - Repair

Hill AFB – 415 SCMS



MDS/TMS: **MUTES / TMS: N/A**

Noun: **Oscillating Group**

NSN: **5955-01-097-3064**

PN: **654VE4851-2** PN CAGE: **81755**

Buy Price: **\$35,817.60**

Date of Last Procurement: **7/25/2013**

Repair Price: **\$18,949.70**

AAC: **C**

Surplus Available: **No via ILSmart**

QPA & Appl %: **1 @ 100%**

Replacement Rate%: **0%**



Out Year Requirements (Buy/Repair)

FY20: **0** FY21: **0** FY22: **0** FY23: **0** FY24: **0**

FY20: **7** FY21: **6** FY22: **6** FY23: **7** FY24: **6**

Details/Issues

- **Currently backorders for qty 6 and 1 MICAP**
- **Interested vendors should submit a Source Approval Request (SAR)**
- **Government does not own the technical data**
- **SCD 654VE4851 is adequate for qualification of a new source with required information and Engineering approval**

761 (Y)

762 (Y)

EDL (Y)

RDL (Y)

Supplying Warfighter Dominance



Oscillating Group

Alternate Source - Repair

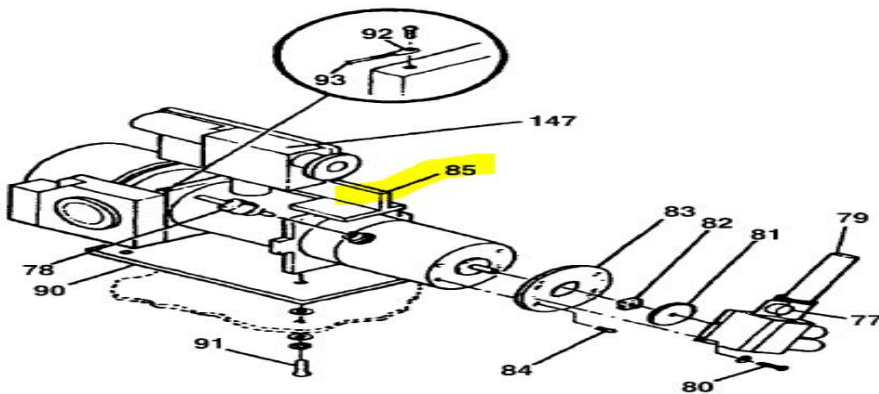
Hill AFB – 415 SCMS



AMC/AMSC: **1 / C** RMC/RMSC: **1 / C**
Material: **Steel Tube, Brass Choke, Cathodes**
Dimensions: **17.9"L X 10.75"W X 8.58"H X 50 LBS**
Criticality Code: **X**
Drawings Avail: **Yes** Drawings#: **654VE4851**
T.O. Avail: **Yes** T.O.#: **43D7-19-4-4**
Budget Code: **8**
Drawing Cage Code: **81755**
Mesh File Avail: **No** #
Next Higher Assembly: **Radar Transmitter/OR350V4**

DMSMS Report

DMSMS Report Not Available



If you would like to participate in the Technical Discussion on **19 Sep, 9:00-9:30 a.m. (CST)**, provide the following information NLT **11 Sep 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering

Supplying Warfighter Dominance



Range Threat Systems



Supplying Warfighter Dominance



Power Supply

Reverse Engineering
Hill AFB – 415 SCMS



MDS/TMS: **Range Threat Systems**
Noun: **Power Supply**
NSN: **6130-01-085-7256**
PN: **227-8012A** PN CAGE: **13850**
Buy Price: **\$4,386.48**
Date of Last Procurement: **2/1/2010**
Repair Price: **NA**
AAC: **Y**
Surplus Available: **No via ILSmart**
QPA & Appl %: **1 @ 100%**
Replacement Rate%: **0%**



Out Year Requirements (Buy/Repair)

FY20: **00** FY21: **00** FY22: **00** FY23: **00** FY24: **00**
FY20: **N/A** FY21: **N/A** FY22: **N/A** FY23: **N/A** FY24: **N/A**

761 (**N**)

762 (**N**)

EDL (**N**)

RDL (**N**)

Details/Issues

- **NSN cancelled as of 1 August 2019**
- **Low demand item, 5 ordered August 2017 thru May 2019**

Supplying Warfighter Dominance

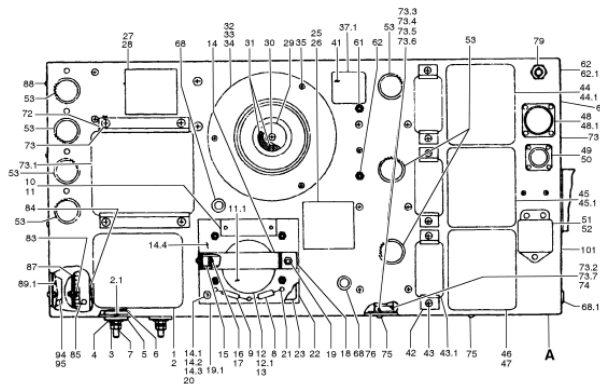


Power Supply

Reverse Engineering
Hill AFB – 415 SCMS



AMC/AMSC: **3 / D** RMC/RMSC: **NA**
Material: **Unknown**
Dimensions: **5.094" min and 5.344" max L X 3.062" nominal H X 3.437" min and 3.562" max W**
Criticality Code: **X**
Drawings Avail: **NA** Drawings#: **NA**
T.O. Avail: **Yes** T.O.#: **43D7-11-21-4**
Budget Code: **9**
Drawing Cage Code: **NA**
Mesh File Avail: **No** #
Next Higher Assembly: **Radar Training Set, Part Number 583Z1000M1**



DMSMS Report

DMSMS Report Not Available

If you would like to participate in the Technical Discussion on **19 Sep, 9:30-10:00 a.m. (CST)**, provide the following information NLT **11 Sep 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



416 SCMS – What We Manage



- **Management of items to include:**
 - Aircraft Structures, Avionics, and Electronics
 - A-10, F-16, T-38, T-X
 - Supporting F-35 SCM Assessments
 - Trainers (Simulators)
 - Support Equipment (Weapon Systems Unique)
 - Munitions (Support Equipment)
- **Buy/Repair Budget Approximately \$674M+**
 - \$130M Buy
 - \$544M Repair
- **NSNs Managed - ~7,500 Items/\$5.9B**
 - Buy, Repair, Distribution, Disposal
 - Engineering Authority
 - Technical Support
 - Modifications



Supplying Warfighter Dominance



F-16 Falcon



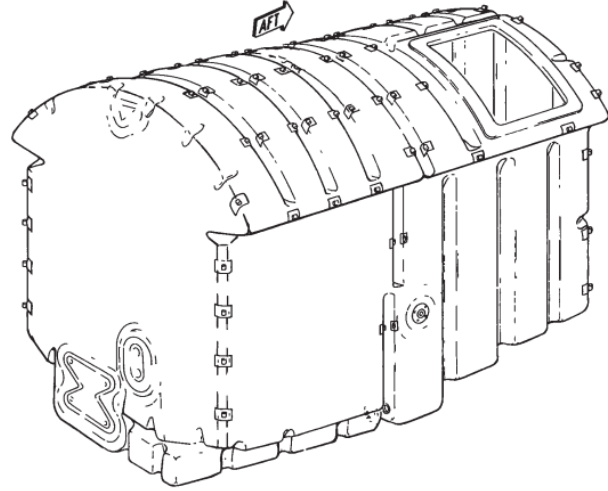
Supplying Warfighter Dominance



Fuel Cell

Alternate Source - New Buy
Hill AFB - 416 SCMS



MDS/TMS: F-16A & C / N/A Noun: Fuel Cell NSN: 1560-01-322-9987 PN: 16VB004001-3 Buy Price: \$21,943.00 Date of Last Procurement: 3/5/2019 Repair Price: \$3,011.75 AAC: C Surplus Available: No via ILSmart QPA & Appl %: 1 @ 100% Replacement Rate%: 2%									
Out Year Requirements (Buy/Repair)					<u>Details/Issues</u>				
FY20: 0	FY21: 0	FY22: 18	FY23: 10	FY24: 20	- Interested vendors should submit a Source Approval Request (SAR) - Difficult to produce/high condemnations - Additional procurement capacity needed to support the current and future requirements - Source qualification requirements provided upon request - Historical yearly spend of ~\$1.75M-2.5M - Test stand required, not available. Possible support for fixtures				
FY20: 3	FY21: 21	FY22: 19	FY23: 16	FY24: 15					
761 (Y)	762 (N)	EDL (Y)	RDL (N)						

Supplying Warfighter Dominance



Fuel Cell

Alternate Source - New Buy

Hill AFB - 416 SCMS



AMC/AMSC: **3/C**

RMC/RMSC: **N/A / N/A**

Material: **Plastic polyamide and rubber**

Dimensions: **200 gallon capacity**

Criticality Code: **F**

Drawings Avail: **No**

Drawings#: **16VB004001**

T.O. Avail: **No**

T.O.#: **1F-16CJ-4-28**

Budget Code: **8**

Drawing Cage Code: **81755**

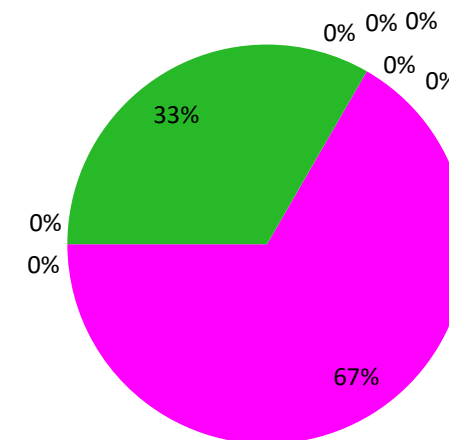
Mesh File Avail: **No** #

Next Higher Assembly: **F-16A & C**

DMSMS Report

Obsolete	0
Sole Source	0
Two or More	0
Unknown	0
Proprietary	0
Logistics	2
NA	0
Build To Print	0
Common Industrial Item	1

Obsolescence Health - Uniques



IPB Diagram – Not Available

If you would like to participate in the Technical Discussion on **20 Aug 2019, at 1:30-2:00 p.m. (CST)**, provide the following information NLT **19 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

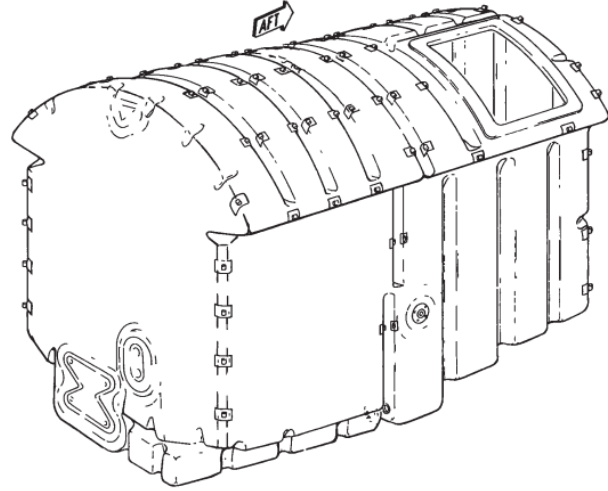
- Company, address, name(s), email(s), phone
- Your questions for engineering



Fuel Cell

Alternate Source - New Buy
Hill AFB - 416 SCMS



MDS/TMS: F-16B &D / N/A Noun: Fuel Cell NSN: 1560-01-224-0803 PN: 16VB004002-7 Buy Price: \$15,647.00 Date of Last Procurement: 3/5/2019 Repair Price: \$2,388.95 AAC: C Surplus Available: No via ILSmart QPA & Appl %: 1 @ 100% Replacement Rate%: 19%									
Out Year Requirements (Buy/Repair) FY20: 8 FY21: 12 FY22: 12 FY23: 14 FY24: 14 FY20: 7 FY21: 8 FY22: 8 FY23: 8 FY24: 7					<u>Details/Issues</u> - Interested vendors should submit a Source Approval Request (SAR) - Difficult to produce/high condemnations - Additional procurement capacity needed to support the current and future requirements - Source qualification requirements provided upon request - Historical yearly spend of ~\$1.75M-2.5M - Test stand required, not available. Possible support for fixtures				
761 (Y)	762 (N)	EDL (Y)	RDL (N)						

Supplying Warfighter Dominance



Fuel Cell

Alternate Source - New Buy
Hill AFB - 416 SCMS



AMC/AMSC: **1/C** RMC/RMSC: **N/A / N/A**
Material: **Plastic polyamide and rubber**
Dimensions: **80 gallon capacity**
Criticality Code: **F**
Drawings Avail: **No** Drawings#: **16VB004002**
T.O. Avail: **No** T.O.#: **1F-16CJ-4-28**
Budget Code: **8**
Drawing Cage Code: **81755**
Mesh File Avail: **No** #
Next Higher Assembly: **F-16B & D**

DMSMS Report

Obsolete

0

Sole Source

0

Two or More

0

Unknown

0

Proprietary

0

Logistics

2

NA

0

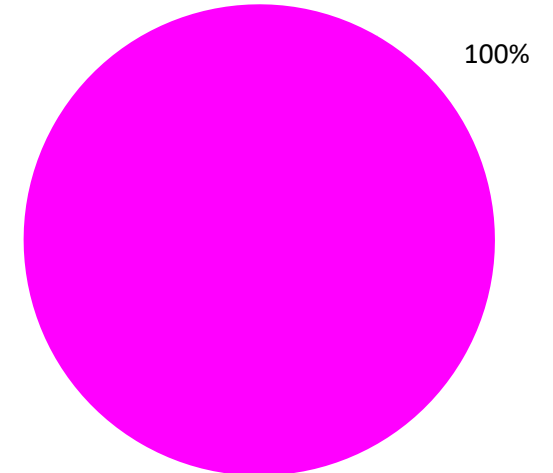
Build To Print

0

Common Industrial Item

0

Obsolescence Health - Uniques



IPB Diagram – Not Available

If you would like to participate in the Technical Discussion on **20 Aug 2019, at 1:30-2:00 p.m. (CST)**, provide the following information NLT **19 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



E8 Joint STARS



Supplying Warfighter Dominance



Intermediate Frequency (IF) Switch

Alternate Source - New Buy
Robins AFB – LCMC



MDS/TMS: **E-8 JSTARS**

Noun: **IF Switch**

NSN: **5895-01-435-7900**

PN: **153-252-0002**

Buy Price: **\$24,744.00**

Date of Last Procurement: **5/1/2013**

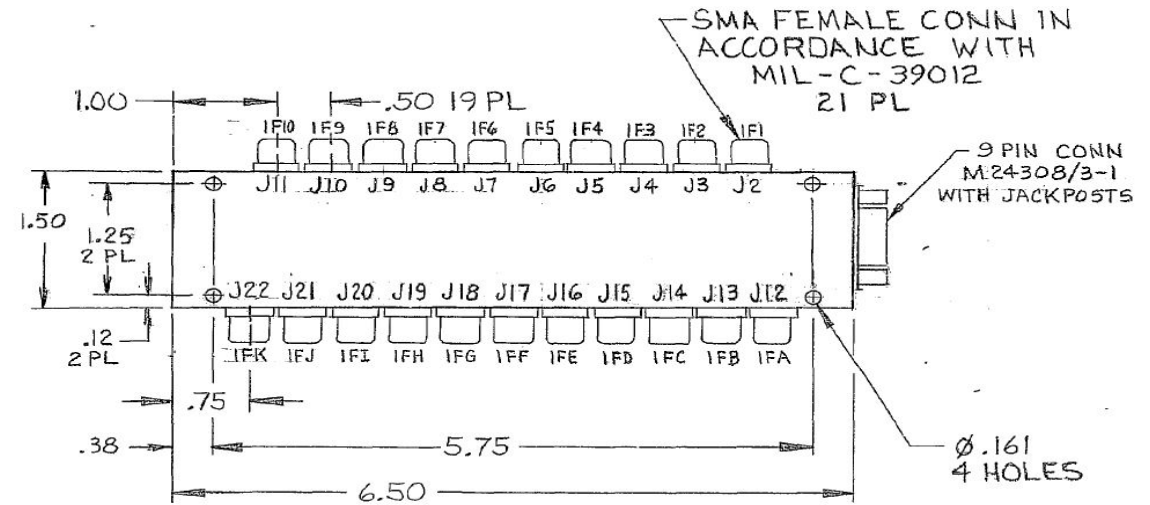
Repair Price: **N/A**

AAC: **V**

Surplus Available: **No via ILSmart**

QPA & Appl %: **N/A**

Replacement Rate%: **N/A**



Out Year Requirements (Buy/Repair)

FY20: **1** FY21: **0** FY22: **0** FY23: **1** FY24: **0**

FY20: **0** FY21: **0** FY22: **0** FY23: **0** FY24: **0**

Details/Issues

- Part is unique to the JSTARS Radar
- Drawings are available to approved sources
- No surplus stock available

761 (N)

762 (N)

EDL (N)

RDL (N)

Supplying Warfighter Dominance



Intermediate Frequency (IF) Switch

Alternate Source - New Buy
Robins AFB – LCMC



AMC/AMSC: N/A RMC/RMSC: N/A Material: NA Dimensions: 0.65"L X 0.15"H X 0.7"W Criticality Code: X Drawings Avail: Yes Drawings#: 153-252 T.O. Avail: No T.O.#: NA Budget Code: 9 Drawing Cage Code: 95542 Mesh File Avail: No # Next Higher Assembly: RF/IF Distribution Assembly	DMSMS Report DMSMS Report Not Available
Side View 	If you would like to participate in the Technical Discussion on 21 Aug 2019, at 10:00-10:30 a.m. (CST), provide the following information NLT 19 Aug 2019 429SCMS.SASPO.Workflow@us.af.mil - Company, address, name(s), email(s), phone - Your questions for engineering



Cylinder Head

Reverse Engineering
Robins AFB – 410 SCMS



MDS/TMS: **E-3B & JSTARS**

Noun: **Cylinder Head**

NSN: **2815-01-447-6293**

PN: **23506328**

PN CAGE: **72582**

Buy Price: **\$5,894.54**

Date of Last Procurement: **3/28/2012**

Repair Price: **\$4,200.00**

AAC: **D**

Surplus Available: **No via ILSmart**

QPA & Appl %: **2 @ 100%**

Replacement Rate%:



Out Year Requirements (Buy/Repair)

FY20: 2	FY21: 2	FY22: 2	FY23: 2	FY24: 2
FY20: 0	FY21: 0	FY22: 0	FY23: 0	FY24: 0

Details/Issues

- **Next higher assembly, generator diesel engine, provides power for large aircraft during maintenance**
- **T.O. manual has USAF cover that states it is Distribution Statement B, however actual manual is a COTS manual accessible online**

761 (**Y**)

762 (**N**)

EDL (**N**)

RDL (**N**)



Cylinder Head

Reverse Engineering
Robins AFB – 410 SCMS



AMC/AMSC: 3/Z RMC/RMSC: N/A Material: Cast Iron Dimensions: 18"L X 9"W X 11"H X 162 LBS Criticality Code: X Drawings Avail: No Drawings#: T.O. Avail: No T.O.#: 38G1-122-4 Budget Code: 8 Drawing Cage Code: N/A Mesh File Avail: No # Next Higher Assembly: 6V92TA Diesel Engine	DMSMS Report DMSMS Report – Not Available
IPB Diagram – Not Available	If you would like to participate in the Technical Discussion on 17 Sep 2019, at 9:00-9:30 a.m. (CST), provide the following information NLT 11 Sep 2019 <u>429SCMS.SASPO.Workflow@us.af.mil</u> ▪ Company, address, name(s), email(s), phone ▪ Your questions for engineering



C-17 Galaxy



Supplying Warfighter Dominance



Torque Wrench Adapter

Alternate Source - New Buy
Robins AFB – 404 SCMS



MDS/TMS: **C-17A**
Noun: **Torque Wrench Adapter**
NSN: **5120-00-130-0420**
PN: **4S94365-101A**
Buy Price: **\$827.26**
Date of Last Procurement: **NA**
Repair Price: **N/A**
AAC: **J**
Surplus Available: **No via ILSmart**
QPA & Appl %: **NA**
Replacement Rate%: **NA**



Out Year Requirements (Buy/Repair)

FY20: **1** FY21: **1** FY22: **0** FY23: **0** FY24: **0**
FY20: **0** FY21: **0** FY22: **0** FY23: **0** FY24: **0**

761 **(Y)** 762 **(N)** EDL **(Y)** RDL **(N)**

Details/Issues

- Interested vendors should look on FBO for future solicitations
- Adapter used for maintenance of Slip Clutch in Cargo Winch Assembly
- Gov't owns all Technical data
- The only drawing available is a Spec Control Drawing
- Currently Quantity 1 on backorder
- Unable to contact OEM; no replies received from vendors on RFIs



Torque Wrench Adapter

Alternate Source (New Buy)

Robins AFB – 404 SCMS



AMC/AMSC: **2/G**

Material: **Steel**

Dimensions: **NA**

Criticality Code: **X**

Drawings Avail: **Yes**

T.O. Avail: **No**

Budget Code: **Y**

Drawing Cage Code: **98897**

Mesh File Avail: **No**

Next Higher Assembly: **N/A – Support Equipment**

RMC/RMSC: **N/A**

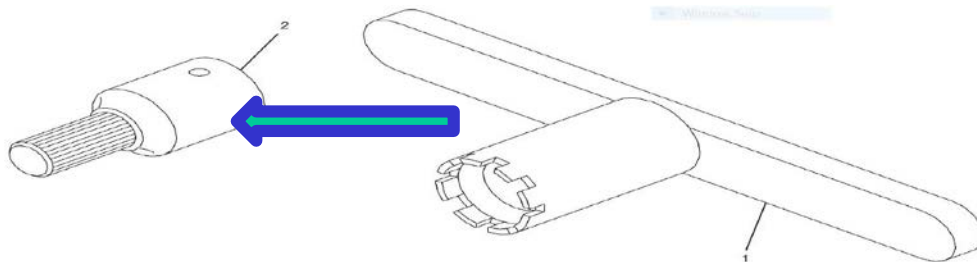
Drawings#: **4S94365**

T.O.#: **13C1-36-2**

#

DMSMS Report

No DMSMS Report Available



LEGEND

- 1. WRENCH, LOCKNUT, SPROCKET WHEEL
- 2. ADAPTER, TORQUE WRENCH

ICN-88277-VTC00211-001-01

Figure 2-1. Clutch Assembly-Adjustment Tools

If you would like to participate in the Technical Discussion on **21 Aug 2019, at 12:30-1:00 p.m. (CST)**, provide the following information NLT **19 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



USAF Aircraft



Supplying Warfighter Dominance



Transit

Alternate Source - New Buy
Robins AFB – 404 SCMS



MDS/TMS: **Multiple**

Noun: **Transit**

NSN: **6675-00-664-4656**

PN: **200518229-2**

Buy Price: **\$1,384.00**

Date of Last Procurement: **4/1/2009**

Repair Price: **N/A**

AAC: **W**

Surplus Available: **Yes via ILSmart (1 each/NS)**

QPA & Appl %: **NA**

Replacement Rate%: **NA**



Built In Compass

Out Year Requirements (Buy/Repair)

FY20: 4	FY21: 4	FY22: 4	FY23: 4	FY24: 4
FY20: 0	FY21: 0	FY22: 0	FY23: 0	FY24: 0

Details/Issues

- Interested vendors should look on FBO for future solicitations
- Telescopic Mag Diameter: 19 to 24", Max Weight:14.5lbs, Circle Diameter/Horizontal: 5.25 to 6", Circle Diameter/Vertical: 4.5 to 5", Min Shift of Instruments on foot plate: 5/8", Min Diameter of Exit Pupil: 1.4mm

761 (**Y**)

762 (**N**)

EDL (**Y**)

RDL (**N**)

Supplying Warfighter Dominance



Transit

Alternate Source - New Buy
Robins AFB – 404 SCMS



AMC/AMSC: 1/G Material: Corrosion resistant, castings of virgin metals, smooth and free of blowholes/sandholes w/o plugging Dimensions: See Details Criticality Code: X Drawings Avail: Yes T.O. Avail: No Budget Code: Y Drawing Cage Code: 98752 Mesh File Avail: No # Next Higher Assembly: N/A	DMSMS Report
	DMSMS Report Not Available
IPB Diagram Not Available	If you would like to participate in the Technical Discussion on 21 Aug 2019, at 1:00-1:30 p.m. (CST), provide the following information NLT 19 Aug 2019 429SCMS.SASPO.Workflow@us.af.mil ▪ Company, address, name(s), email(s), phone ▪ Your questions for engineering



C-5 Super Galaxy



Supplying Warfighter Dominance



Voltmeter

Reverse Engineering
Robins AFB – 409 SCMS



MDS/TMS: **C-5**

Noun: **Voltmeter**

NSN: **6625-01-204-2468**

PN: **8AW61LVD220**

Buy Price: **\$1,811.57**

Date of Last Procurement: **9/5/1986**

Repair Price: **\$797.09**

AAC: **C**

Surplus Available: **Yes via ILSmart (2 each/NS)**

QPA & Appl %: **1 @ 100%**

Replacement Rate%: **NA**



Out Year Requirements (Buy/Repair)

FY20: 8	FY21: 2	FY22: 2	FY23: 2	FY24: 2
FY20: 0	FY21: 0	FY22: 0	FY23: 0	FY24: 0

Details/Issues

- ***Drawing 8AW61LVA1 is commercial equivalent**
- **Complete technical data package is not available**
- **OEM no longer producing**

761 (**Y**)

762 (**N**)

EDL (**N**)

RDL (**N**)

Supplying Warfighter Dominance



Voltmeter

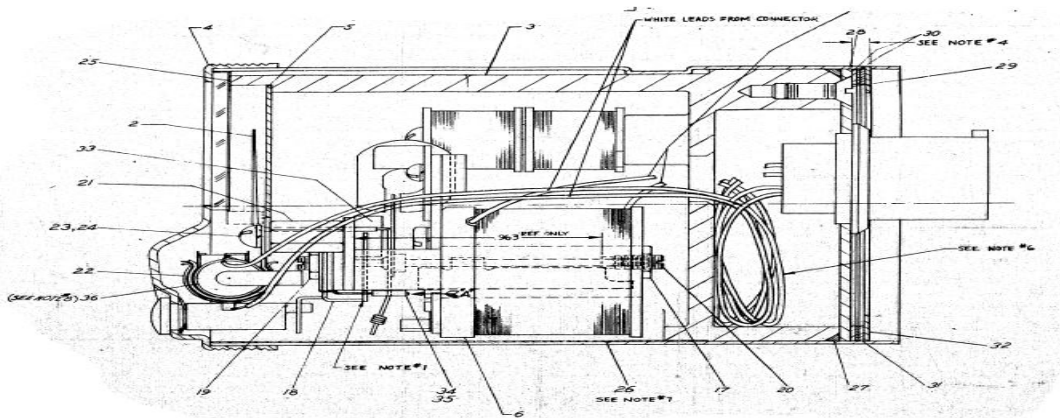
Reverse Engineering
Robins AFB – 409 SCMS



AMC/AMSC: **3/H** RMC/RMSC: **N/A**
Material: **NA**
Dimensions: **2.656" Total Length, 2.0" Diameter**
Criticality Code: **X**
Drawings Avail: **Yes (See *)** Drawings#: **8AW61LVA1**
T.O. Avail: **No** T.O.#:
Budget Code: **8**
Drawing Cage Code: **97424**
Mesh File Avail: **No** #
Next Higher Assembly: **C-5**

DMSMS Report

DMSMS Report Not Available



If you would like to participate in the Technical Discussion on **21 Aug 2019, at 9:00-9:30 a.m. (CST)**, provide the following information NLT **19 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



Base and Strut Assembly

Alternate Source - New Buy
Robins AFB – 409 SCMS



MDS/TMS: **C-5 / N/A**
Noun: **Ice Detector Base and Strut Assembly**
NSN: **6340-01-233-0225**
PN: **00871-1090-0001** PN CAGE: **59885**
Buy Price: **\$2,986.00**
Date of Last Procurement: **2/1/1997**
Repair Price: **N/A**
AAC: **J**
Surplus Available: **No via ILSmart**
QPA & Appl %: **NA**
Replacement Rate%: **NA**

Base and Strut



Out Year Requirements (Buy/Repair)

FY20: 7	FY21: 7	FY22: 7	FY23: 7	FY24: 7
FY20: 0	FY21: 0	FY22: 0	FY23: 0	FY24: 0

761 (**N**)

762 (**N**)

EDL (**N**)

RDL (**N**)

Details/Issues

- Interested vendors should submit a Source Approval Request (SAR)
- Part required to support repair of the next higher assembly, Ice Detector which is repaired at Robins
- Drawing is Government Proprietary
- T.O. is available and contains technical information
- Condition A assets could be available upon contract award. DLA stock 1 each

Supplying Warfighter Dominance



Base and Strut Assembly

Alternate Source - New Buy
Robins AFB – 409 SCMS

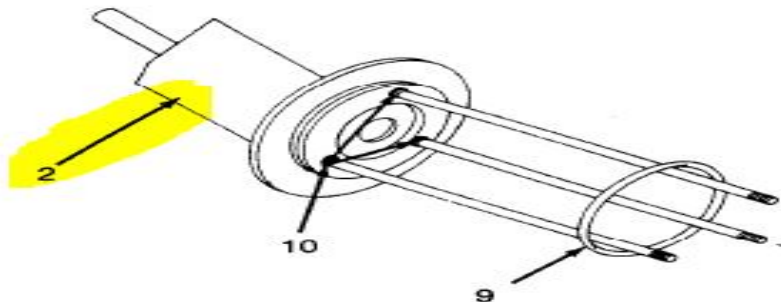
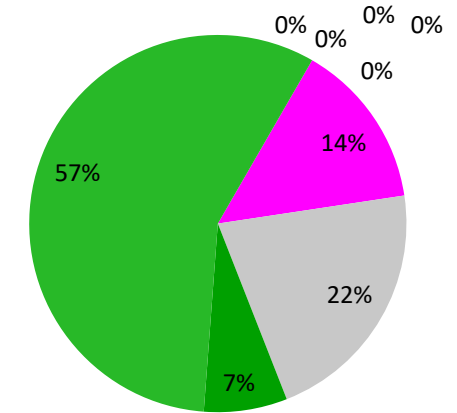


AMC/AMSC: **3/C** RMC/RMSC: **NA**
Material: **NA**
Dimensions: **NA**
Criticality Code: **X**
Drawings Avail: **No** Drawings#: **NA**
T.O. Avail: **Yes** T.O.#: **15E3-2-65-31**
Budget Code: **9**
Drawing Cage Code: **NA**
Mesh File Avail: **No** #
Next Higher Assembly: **C-5 Ice Detector,**
NSN 6340-01-162-7389

DMSMS Report

Obsolete	0
Sole Source	0
Two or More	0
Unknown	0
Proprietary	0
Logistics	2
NA	3
Build To Print	1
Common Industrial Item	8

Obsolescence Health - Uniques



If you would like to participate in the Technical Discussion on **21 Aug 2019, at 9:30-10:00 a.m. (CST)**, provide the following information NLT **19 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



Battery Charger Electronics Module



Reverse Engineering
Robins AFB – 409 SCMS

MDS/TMS: **C-5 / TMS: N/A**
Noun: **Battery Charger Electronics Module**
NSN: **6130-01-535-7275**
PN: **716110-2** PN CAGE: **19623**
Buy Price: **\$12,632.67**
Date of Last Procurement: **1/29/2016**
Repair Price: **\$7,390.00**
AAC: **C**
Surplus Available: **No via ILSmart**
QPA & Appl %: **2 @ 100%**
Replacement Rate%: **0%**



Out Year Requirements (Buy/Repair)

FY20: **0** FY21: **0** FY22: **0** FY23: **0** FY24: **0**
FY20: **150** FY21: **150** FY22: **150** FY23: **150** FY24: **150**

761 (Y)

762 (Y)

EDL (N)

RDL (Y)

Details/Issues

- **Function: Provides means to charge battery of the Emergency Power System**
- **Complete Engineering Data Package is not available to the Government**
- **Goal is to develop organic repair capability**
- **Potential future requirement for new production units**

Supplying Warfighter Dominance

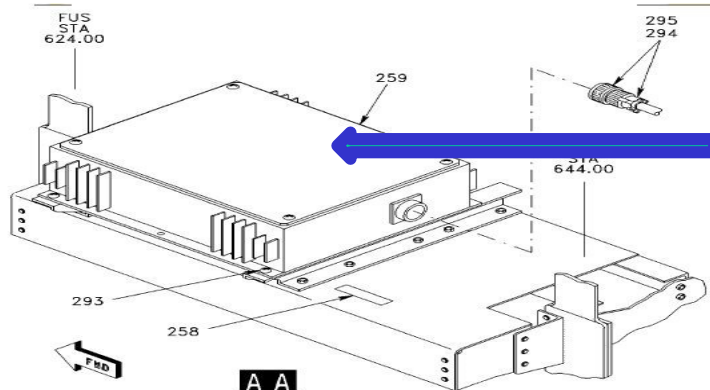


Battery Charger Electronics Module



Reverse Engineering
Robins AFB – 409 SCMS

AMC/AMSC: **3 / P** RMC/RMSC: **5 / R**
Material: **Aluminum**
Dimensions: **9"L X 10"W X 3"H X 6 LBS**
Criticality Code: **X**
Drawings Avail: ***No** Drawings#: **716110**
T.O. Avail: **No** T.O.#: **1C-5A-4-6**
Budget Code: **8**
Drawing Cage Code: **19623**
Mesh File Avail: **No** #
Next Higher Assembly: **C-5M**
***The OEM is unwilling to sell any technical information to the Government due to proprietary data rights**



**Electronics
Module**

Picture



If you would like to participate in the Technical Discussion on **18 Sep 2019, at 9:00-9:30 a.m. (CST)**, provide the following information NLT **11 Sep 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering