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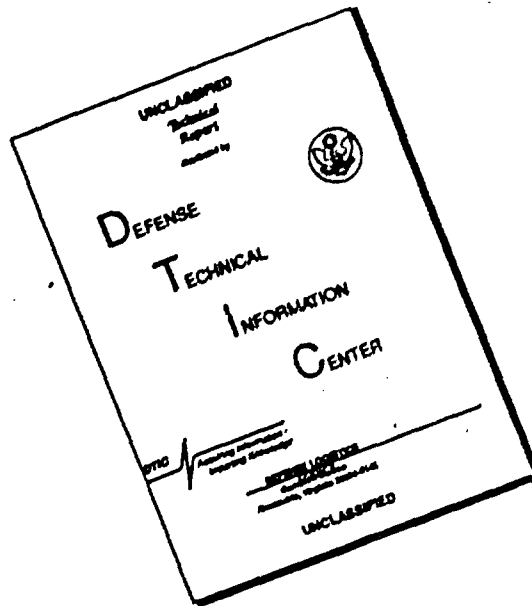
SCIENTIFIC AND TECHNICAL INFORMATION

CAMERON STATION, ALEXANDRIA, VIRGINIA



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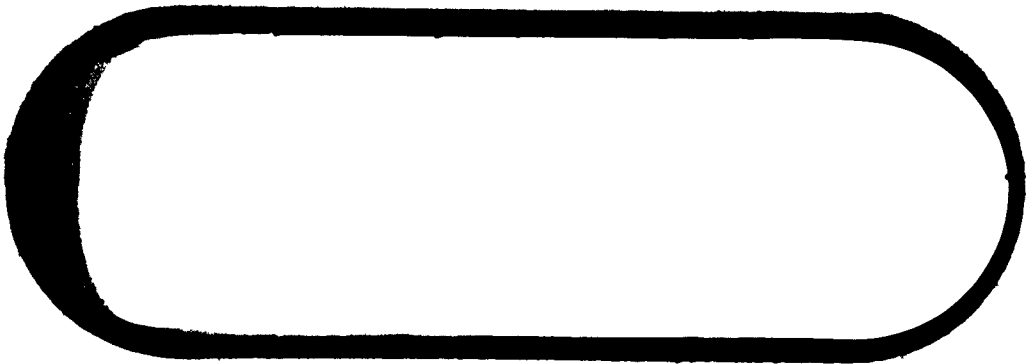


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BOEING



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DDC
AUG 27 1963
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SEATTLE. WASHINGTON

THE BOEING COMPANY

NUMBER D2-10889-2, Vol. 53 MS6

UNCLASSIFIED TITLE ACCEPTANCE SUMMARY REPORT FOR FIM 43 EQUIPMENT
COVERED BY THE FOLLOWING MODEL SPECS: S-133-1000-1-4, S-133-1000-1-5,
S-133-1000-1-16, S-133-1000-1-17, S-133-1000-1-18, S-133-1000-1-19,
S-133-1000-1-20

MODEL NO. MS 133A CONTRACT NO. AFC6(647)-289

ISSUE NO. _____ ISSUED TO _____

CLASSIFIED TITLE None
(STATE CLASSIFICATION)

CHANGE NUMBER

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PREPARED BY Carl J. Leahy 7/21/63

SUPERVISED BY Henry J. Finkle 7/21/63

APPROVED BY Henry J. Finkle 7/21/63

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(SAVE)

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CERTIFICATION FORMS

REVISED

1-8-2008 .000

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THE BOEING COMPANY AND
SPACE TECHNOLOGY LABORATORIES
TECHNICAL CERTIFICATION

The undersigned have reviewed the Engineering data on the equipment listed on pages 7 thru 15 and certify the following:

1. The equipment is technically adequate to perform its intended functions.
2. The equipment meets all of the specifications and requirements of the Model Specifications described below with the exception of the waivers and deviations as noted.

MODEL SPEC WITH R&D ADDENDUM	DATE	APPROVED SCNS	WAIVERS & DEVIATIONS D2-10889-2, Vol. 33
*S-133-1000-1-4	5-1-62	None	Page 17
*S-133-1000-1-5	5-1-62	None	Page 18
S-133-1000-1-16	8-1-62	None	Page 19
S-133-1000-1-17	8-1-62	SCN 1	Page 20
S-133-1000-1-18	8-1-62	SCN 1	Page 21
S-133-1000-1-19	8-1-62	SCN 1	Page 22
S-133-1000-1-20	8-24-62	SCN 1	Page 23

The equipment covered by these Model Specs is shipped directly from the vendor to BATC.


Engineering Representative ⁷⁻³¹⁻⁶³
for The Boeing Company

NOT REPRESENTED

Representative for
Space Technology Laboratories

REVISED _____

03 6208 2000

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AIR FORCE QUALITY CONTROL AND THE BOEING COMPANY QUALITY CONTROL
 CERTIFICATION OF EQUIPMENT READY FOR ACCEPTANCE TEST

Equipment	Serial No.	Nomenclature
▶	FBI 436	▶

The undersigned has reviewed the equipment and its associated records:

1. Visual and physical inspection of equipment

- | | |
|------------------------------------------------------------------------------------------|---------------------------|
| A. Finish satisfactory | Yes <u>X</u> No <u> </u> |
| B. Workmanship satisfactory | Yes <u>X</u> No <u> </u> |
| C. Freedom from damage | Yes <u>X</u> No <u> </u> |
| D. Installation Complete Except as Noted on Contractor's Shortage and/or Incomplete List | Yes <u>X</u> No <u> </u> |
| E. Authorization for Shortage or Incomplete Noted in Item "D" has been received. | Yes <u>X</u> No <u> </u> |

2. Specification and Drawing Status

- | | |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------|
| A. All applicable Specs have been complied with except as noted on Contractor's request for waiver or deviation list. | Yes <u>X</u> No <u> </u> |
| B. All document and specs have been approved by AFHQ, or waivers obtained | Yes <u>X</u> No <u> </u> |

- | | |
|---------------------------------------------------------------------------------------------------|---------------------------|
| 3. BAC acceptance Tags (BAC Form 5124) have been properly validated and affixed to the equipment. | Yes <u>X</u> No <u> </u> |
|---------------------------------------------------------------------------------------------------|---------------------------|

Signature Joe S. Peha 7/31/63
 Name (Print) JOE S. PEHA

Boeing Company
 Quality Control Representative
 Seattle, Washington

Signature Branchini 7/7/63
 Name (Print) L. Branchini

Air Force Quality Control
 Air Force Plant Representative
 Office
 Boeing Company
 Seattle, Washington

▶ Equipment part numbers and nomenclature are defined in 72-10889-2, Volume 23 .
 Page 7 through 15.

EQUIPMENT
IDENTIFICATION

REVISED _____
US GPO 2000

~~SECRET~~ | VOL. 53 | NO D2-10890-2
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EQUIPMENT IDENTIFICATION

FIM SERIAL NO. FIM 436

MODEL SPECIFICATION S-133-1000-1-4 (D2-12293)

THIS AUTHORIZATION VOUCHER NO. ▶

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>NOMENCLATURE</u>
2	7025-6 Universal Match Company Number 18-20436 (Ref.)	Safety and Arming Device Guided Missile, Body Section

▶ Parts shipped directly from Universal Match Company to AMR.

EQUIPMENT IDENTIFICATION

FTM SERIAL NO. FTM 436MODEL SPECIFICATION S-133-1000-1-5 (D2-1229)T/O IDENTIFICATION VOUCHER NO. ▶

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>NOMENCLATURE</u>
INTERSTAGE II-III		
1	(10-20451-5)	995-5251 Detonator Assembly
1	(10-20451-1)	0390-1718 Linear Explosive Assembly
1	(10-20451-3)	0390-1727 Linear Explosive Assembly
4	(10-20870-21)	31-115-4858-8 Explosive Assembly
1	(10-20870-18)	31-115-4951-2 Explosive Booster
2	(10-20870-30)	31-115-5969-1 Booster Assembly, Delay 1 Second
1		25-25218-15 Safe and Arm Mechanism Assembly
INTERSTAGE I-II		
1	(10-20451-5)	995-5251 Detonator Assembly
1	(10-20451-2)	0390-1719 Linear Explosive Assembly
1	(10-20451-4)	995-4999 Linear Explosive Assembly
4	(10-20870-20)	31-115-4858-7 Explosive Assembly
1	(10-20870-18)	31-115-4951-2 Explosive Booster
2	(10-20870-26)	31-115-4850-2 Booster Assembly, Delay 20 Seconds
1		25-25218-16 Safe and Arm Mechanism Assembly

▶ These parts are shipped directly from Universal Match Company to AMU

EQUIPMENT IDENTIFICATION

PTM SERIAL NO. FTM 436

MODEL SPECIFICATION S-133-1000-1-16 (D2-14267)

T/S AUTHORIZATION VOUCHER NO. ▷

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>NOMENCLATURE</u>
1	25-33938-91	Skirt Assembly-Insulated Stage I Section 49

▷ Included as part of T/S Authorization Voucher No. EU/2163 on the completed missile Section.

EQUIPMENT IDENTIFICATION

FTM SERIAL NO. FTM 436

MODEL SPECIFICATION S-133-1000-17 (D2-14268)

T/S AUTHORIZATION VOUCHER NO. ▶

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>NOMENCLATURE</u>
1	25-31011-19	Interstage Assembly Insulated, Interstage I-II Section 47

▶ Included as part of T/S Authorization Voucher No. EV/2162 on the completed Missile Section.

EQUIPMENT IDENTIFICATION

FPM SERIAL NO. FTH 436

MODEL IDENTIFICATION S-133-1000-1-18 (D2-14269)

T/S AUTHORIZATION VOUCHER NO. ▶

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>NOMENCLATURE</u>
1	25-23207-34	Interstage Assembly Insulated, Interstage II-III, Section 45

▶ Included as part of T/S Authorization Voucher No. EV12161 on the completed Missile Section.

EQUIPMENT IDENTIFICATION

FPM SERIAL NO. FPM 436

MODEL SPECIFICATION S-133-1000-1-19 (D2-14323)

T/S AUTHORIZATION VOUCHER NO. ▶

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>NOMENCLATURE</u>
1	25-36644-2	Base Heat Deflector Assy. 1st Stage
1	25-36645-5	Base Heat Deflector Assy. 2nd Stage
1	25-36646-2	Base Heat Deflector Assy. 3rd Stage

▶ Parts will be shipped as completed.

EQUIPMENT IDENTIFICATION

FTM SERIAL NO. FTM 436MODEL SPECIFICATION S-133-1000-1-20 (02-14319)T/S AUTHORIZATION VOUCHER NO. 

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>NOMENCLATURE</u>
1	25-25874-157	Cover, Assy. of
2	25-25874-169	Cover, Assy. of
1	25-25874-196	Cover, Assy. of
1	25-25874-173	Cover R/W Stage I Engine
2	25-25874-174	Cover R/W Stage I Engine
1	25-25874-166	Cover, Assy. of
1	25-25874-171	Cover, Assy. of
1	25-25874-194	Cover, Assy. of
1	25-25991-4	Cap, Assy. of
1	25-25992-7	Cap, Assy. of
1	25-26070-12	Cap, Assy. of
1	25-26851-17	Cap, Assy. of
1	25-27129-17	Cap, Assy. of
1	25-30100-56	Cover R/W 1-2 Interstage (Aft.)
1	25-30101-133	Cover Recessy Stage II
1	25-30101-823	Cover Recessy Stage II
1	25-30102-802	Cover Recessy 2-3 Interstage (Aft.)
1	25-30103-61	Cover Recessy Stage III
1	25-31024-14	Cap Recessy Stage III
1	25-32747-8	Beam & Cover 2-3 Interstage (Pod)
1	25-32748-8	Beam & Cover 1-2 Interstage (Pod)
1	25-35416-36	Cover R/W Stage 1 Engine
1	25-31463-10	Cap, Recessy-Cyl. Skirt
1	25-31463-11	Cap, Recessy-Cyl. Skirt

 Parts will be shipped as completed.

SHORT ITEMS

SEPARATE SHIPMENT

1. 7025-6 (10-20436-5) AIM/DISARM mechanism. This is shipped direct from Universal Match Company to BATC.
2. Stage separation and skirt removal ordnance equipment as noted on page 9, Vol. 53 D2-10889-2. They are shipped direct from vendor to BATC.
3. Race-way caps and covers as noted on page 14, Vol. 53 D2-10889-2. They are shipped on separate T/S Authorization Voucher No. to BATC.
4. Base heat deflectors as noted on page 13, Vol. 53 D2-10889-2. To be shipped on separate T/S Authorization Voucher to BATC.

SHIP-SHORT ITEMS

None

7-31-63
W. Walker
System Test Engineering
Acknowledgement of
Configuration Status

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Sec. 1

WAIVERS AND DEVIATIONS

ENGINEERING WAIVERS

AND DEVIATIONS

This requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification Safety and Arming Devices,
Guided Missile, Body Section SWU-11/A37U-12,
(S-133-1000-1-4).

BSD Minuteman Specification Control Group
Directive, dated 11 July 1962, transmitted
by BSD letter BSQAF-13-7-90/G. Humphrey,
dated 13 July 1962.

Deviation for the above requirements are not necessary
for this equipment.

ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification, Explosive Kit, Stage Separation, Missile MLU-19/A37U-12 and MLU-20/A37U-12, (S-133-1000-1-5) dated 5-1-62.

BSD Minuteman Specification Control Group Directive dated 10 July 1962 transmitted by BSD letter BSQAP-10-7-69/C. Humphrey, dated 10 July 1962.

Deviation for the above requirements are not necessary for this equipment.

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ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specifications for Body Section, Guided Missile (S-133-1000-1-16), D2-14267, dated 12-14-62, approved by BSD letter BSQAP-3-5-22/C. Humphrey/8243, dated 3 May 1963.

R&D Variations in Guided Missile Body Section (S-133-1000-1-16, Addendum 1), D2-14267-1, dated 8-1-62, submitted to BSD by Boeing letter 2-6210-20-156, dated 8-22-62, and approved by BSD letter BSQAP-17-9-77/C. Humphrey/4443, dated 9-17-62.

Deviations from the above requirements are not necessary for this equipment.

ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification for Body Section, Guided Missile (8-133-1000-1-17), D2-14268, dated 12-14-62, approved by BSD letter BSQAP-3-5-82/C. Humphrey/8243, dated 3 May 1963.

R&D Variations in Guided Missile Body Section (8-133-1000-1-17, Addendum 1), D2-14268-1, dated 8-1-62, submitted to BSD by Boeing letter 2-6210-20-158, dated 8-21-62, and approved by BSD letter BSQAP-17-9-57/C. Humphrey/4443, dated 9-17-62.

Deviations from the above requirements are not necessary for this equipment.

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ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification for Body Section, Guided Missile (S-133-1000-1-18), D2-14269, dated 12-14-62, approved by BSD letter BSQAP-3-5-22/C. Humphrey/8243, dated 3 May 1963.

R&D Variations in Guided Missile Body Section (S-133-1000-1-18, Addendum 1), D2-14269-1, dated 8-1-62, submitted to BSD by Boeing letter 2-6210-20-160, dated 8-21-62 and approved by BSD letter BSQAP-17-9-57/C. Humphrey/4443 dated 9-17-62.

Deviations from the above requirements are not necessary for this equipment.

ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification for Deflectors, Rocket Motor Exhaust (S-133-1000-1-19), D2-14323, dated 1 March 1963.

Addendum 1 to D2-14323 (including ECN's) R&D configurations for Deflectors, Rocket Motor Exhaust (S-133-1000-1-19), dated 1 August 1962.

Deviations from the above requirements are not necessary for this equipment.



ENGINEERING WAIVERS

AND DEVIATIONS

The requirements for Design and Construction, Performance and Quality Assurance Provisions for the equipment identified in this report are established by the following composite:

Model Specification for Conduit Support Set Raceway, S-133-1000-1-20 (D2-14319) dated 1 March 1963.

Addendum 1 to D2-14319 (including SON's), R&D configurations, for Conduit Support Set, Raceway (S-133-1000-1-20) dated 1 March 1963.

Deviations from the above requirements are not necessary for this equipment.