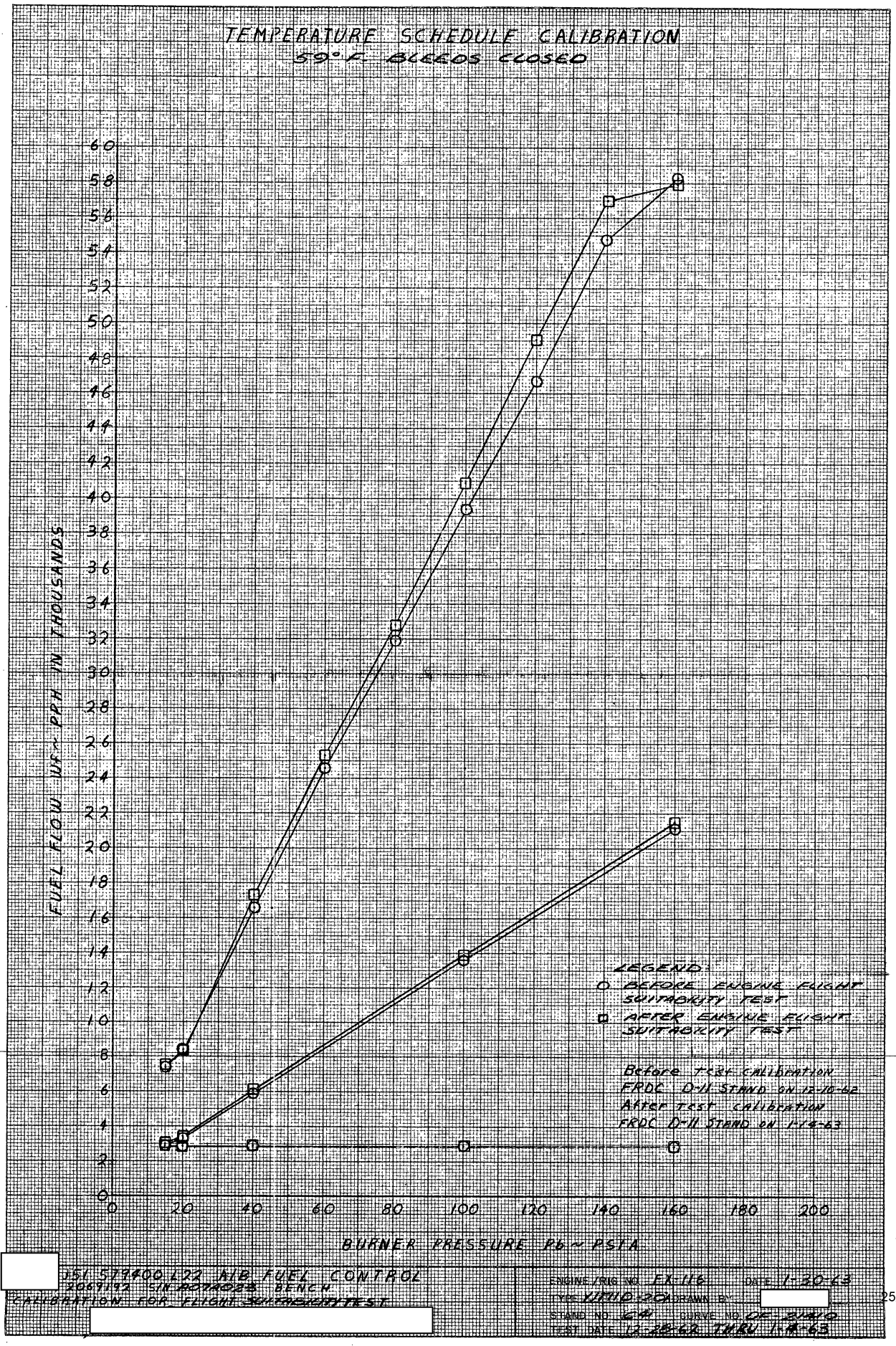
Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

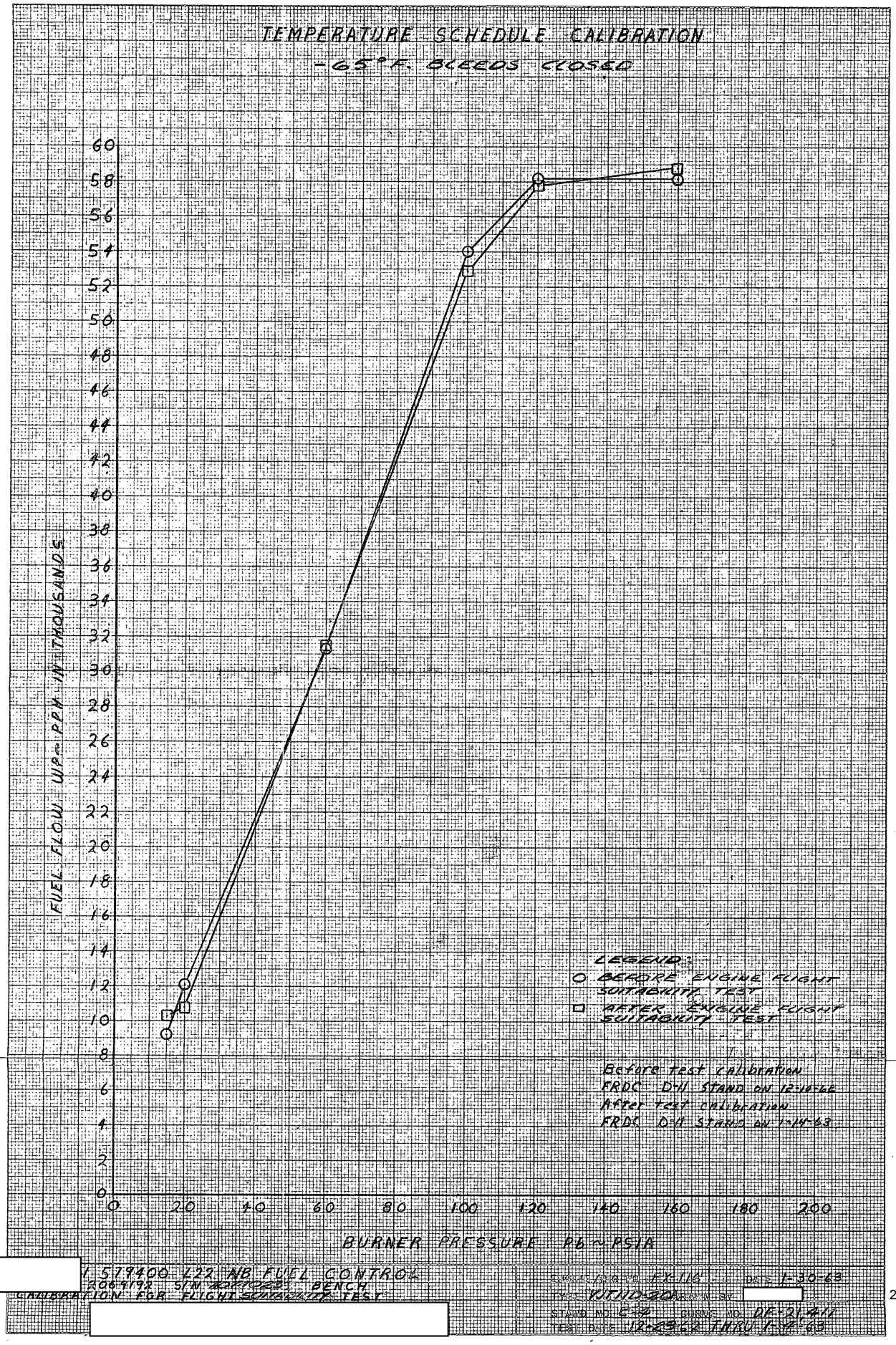
25X1

25X1

FIGURE A-76

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

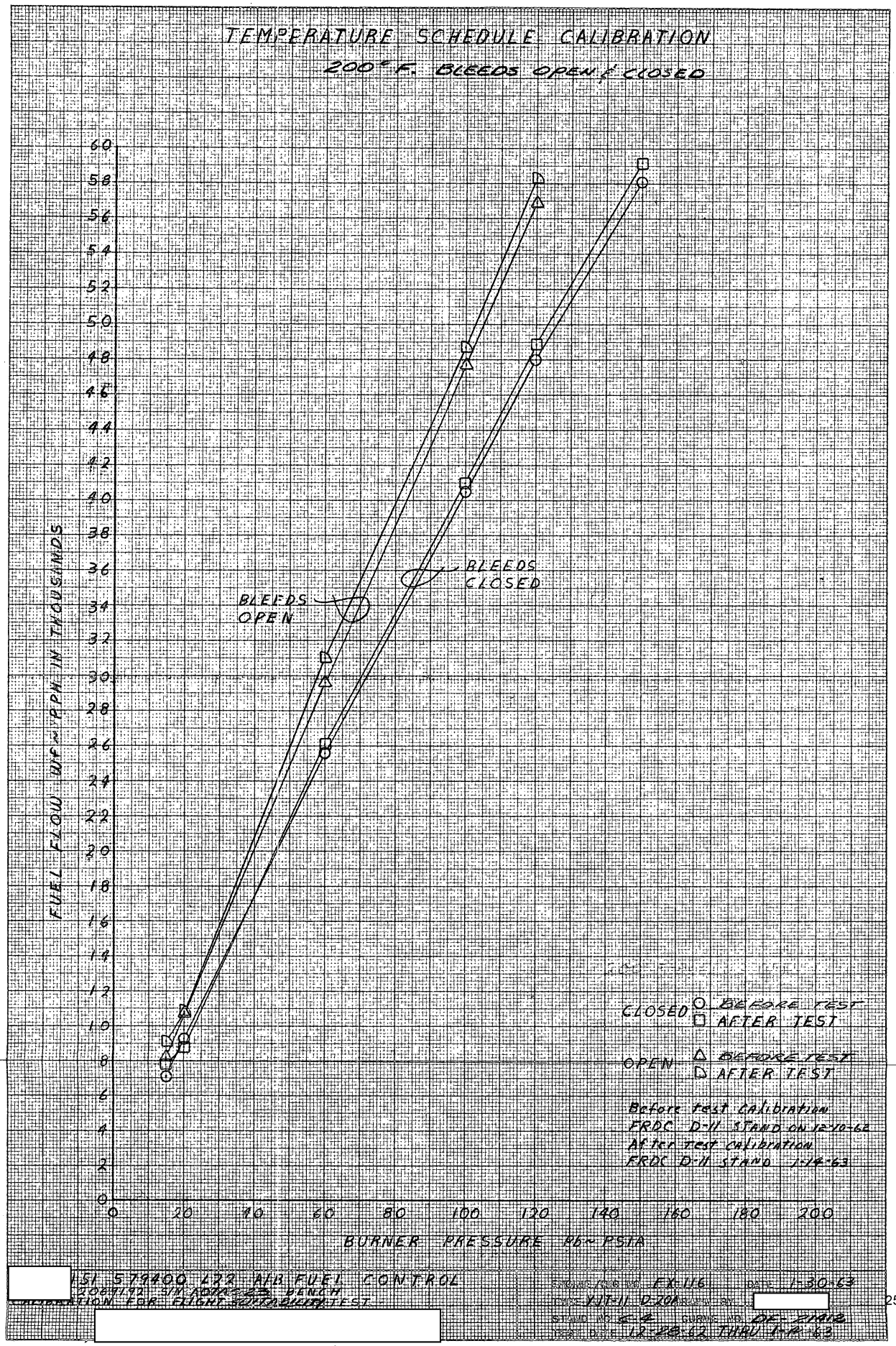
25X1

25X1

FIGURE A-77

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

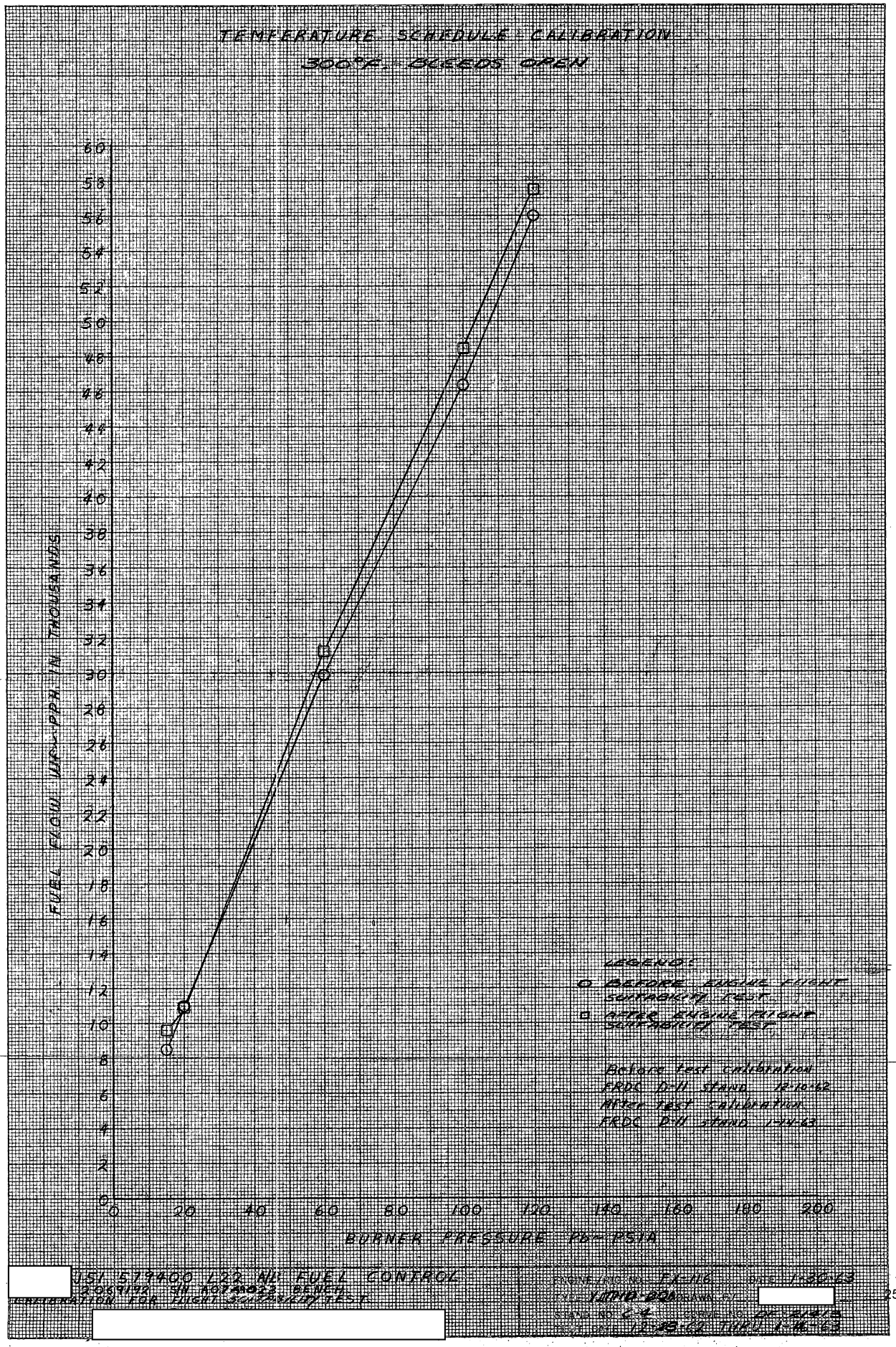
25X1

25X1

FIGURE A-78

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

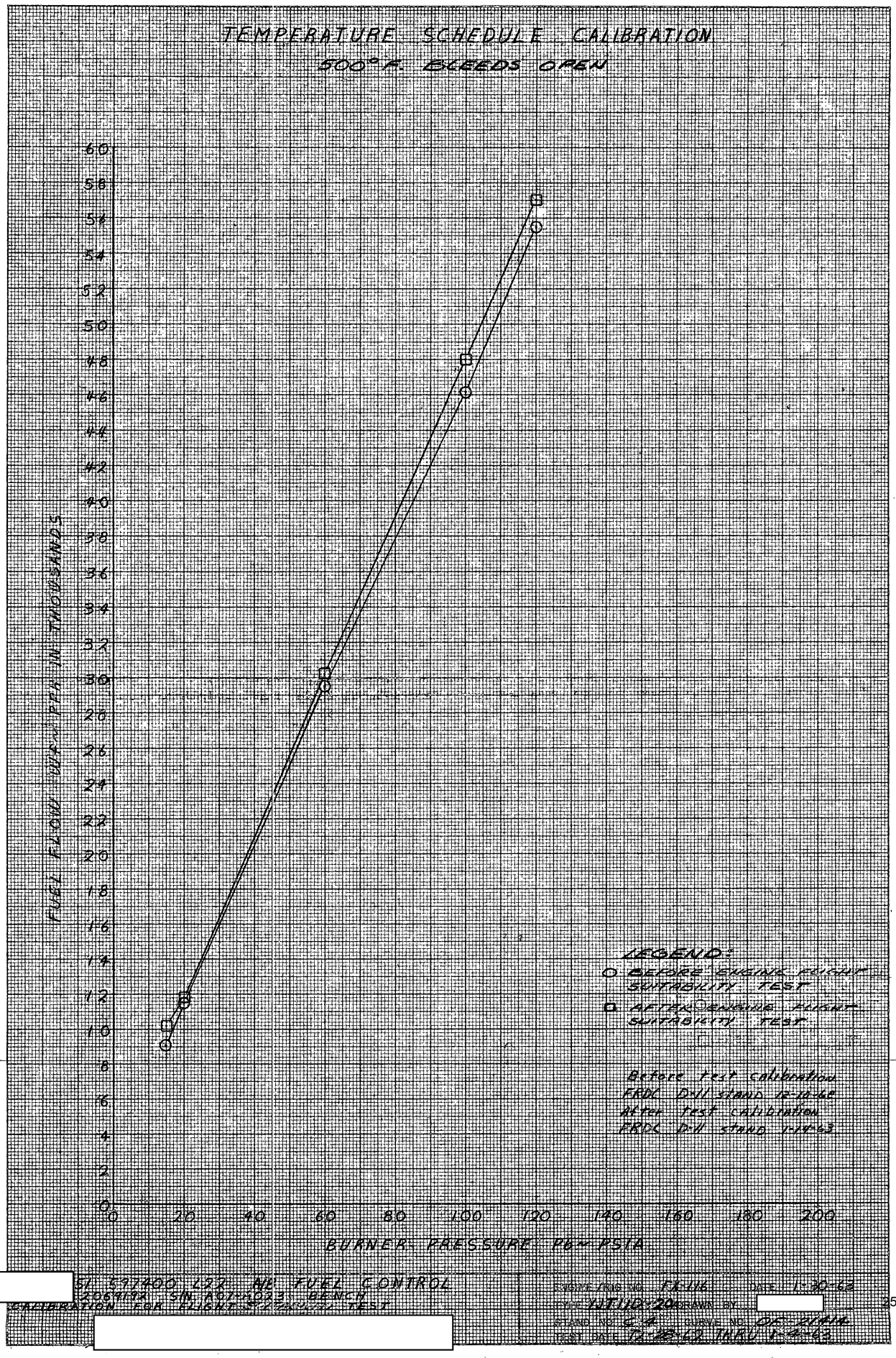
25X1

25X1

FIGURE A-79

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

FIGURE A-80

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

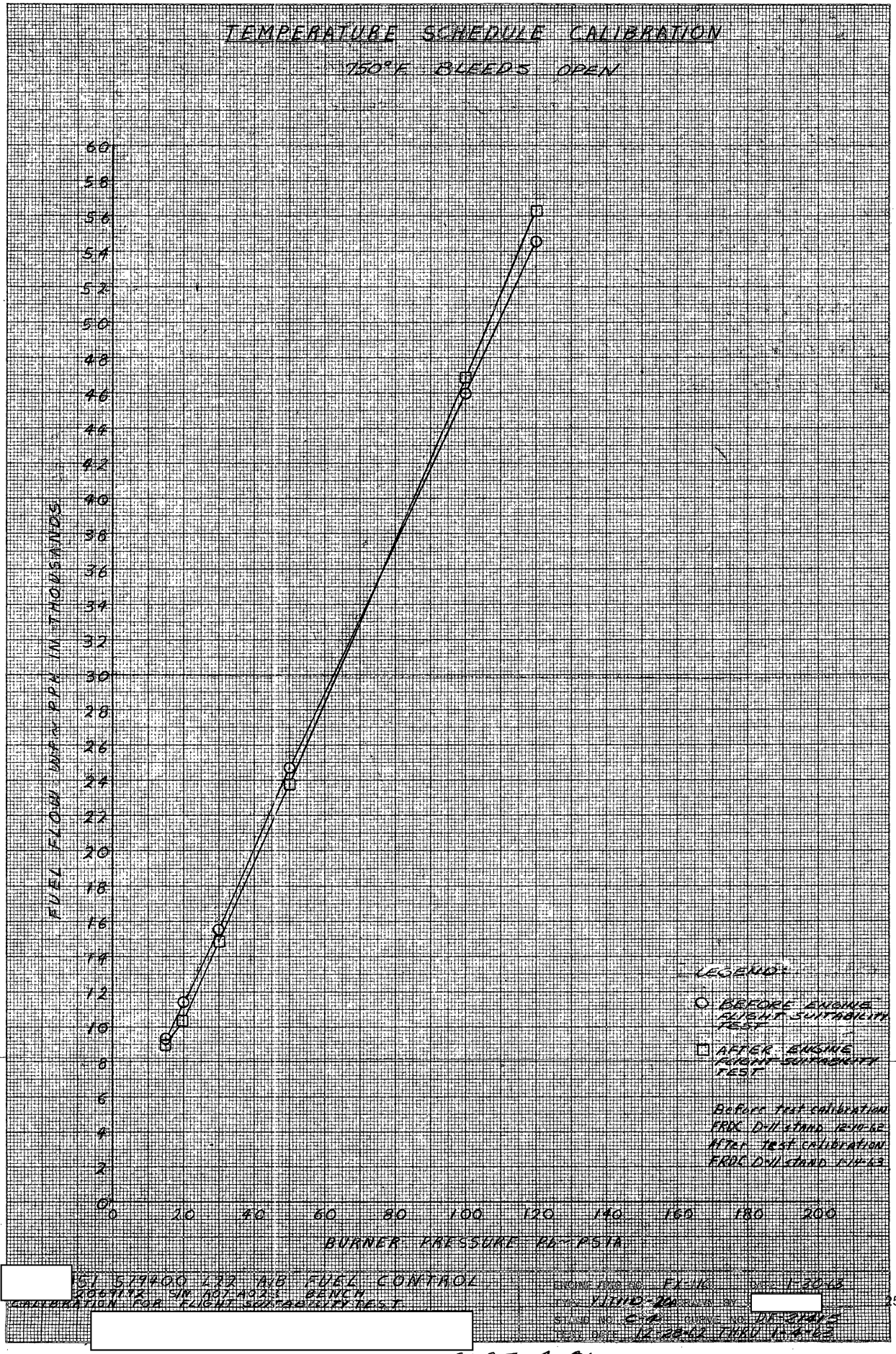


FIGURE A-81

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

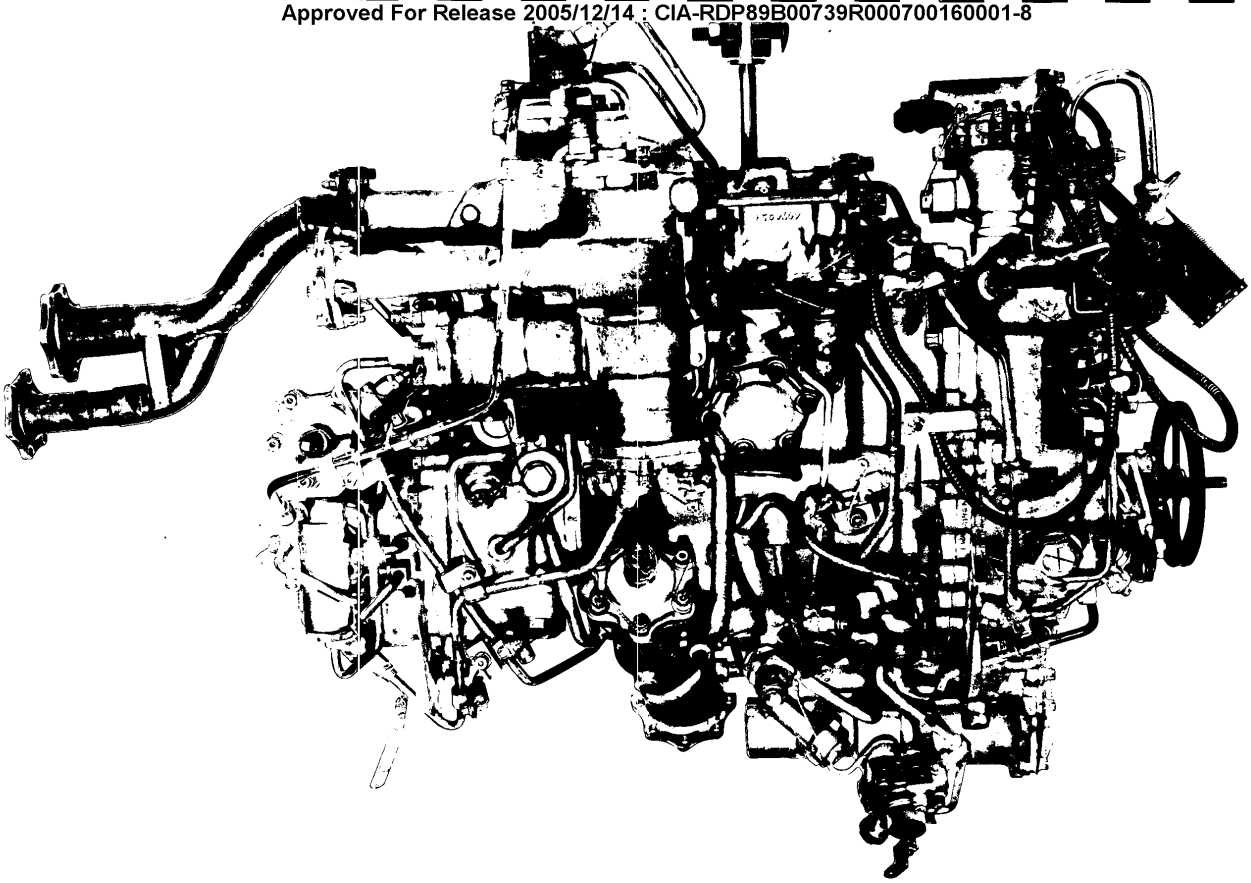


FIGURE A-82

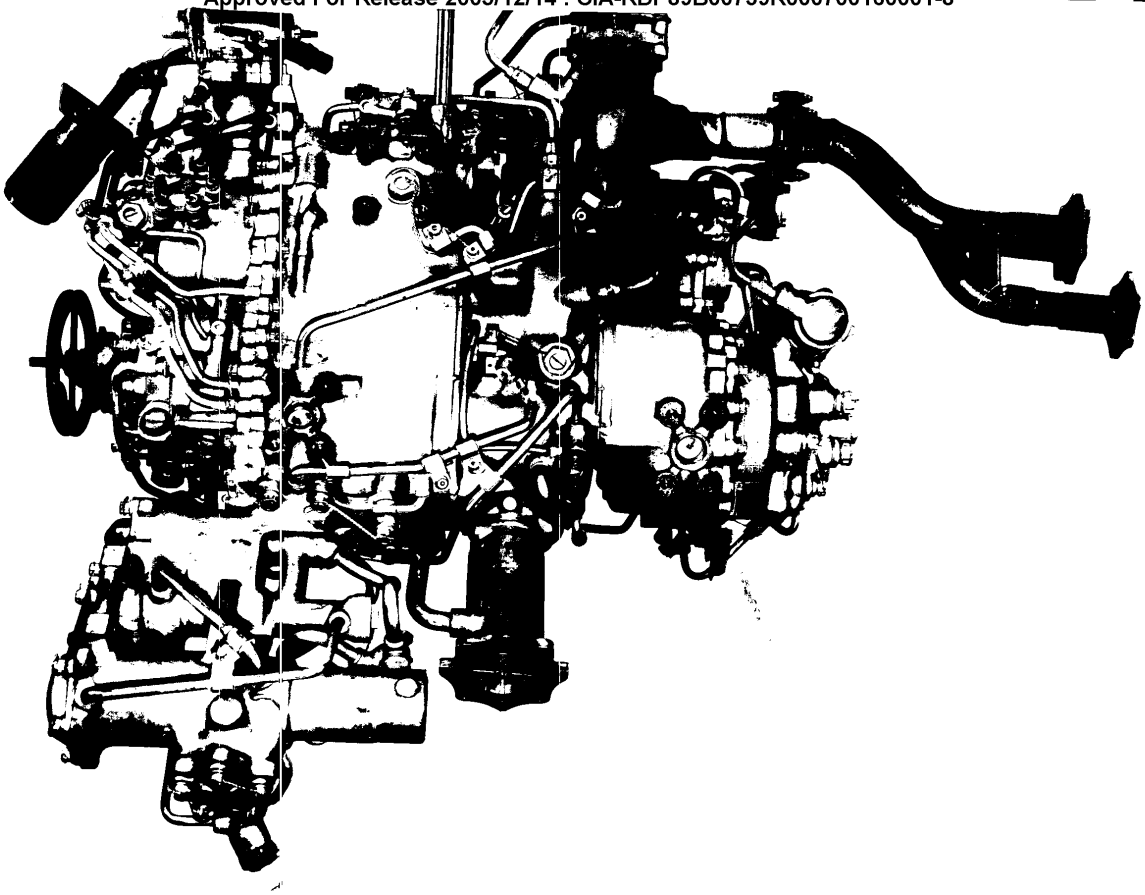
25X1
25X1

[redacted] JFC 51 579400 L22 A/B FUEL CONTROL, [redacted] P/N 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON YJ11D-20A ENGINE FX-116. 40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME. 25X1

1/25/63 FX-116 FE 30412

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

FIGURE A-83

[redacted] JFC-51 579400L22 A/B FUEL CONTROL, [redacted] 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME. 25X1

1/25/63 FX-116 FE 30413

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

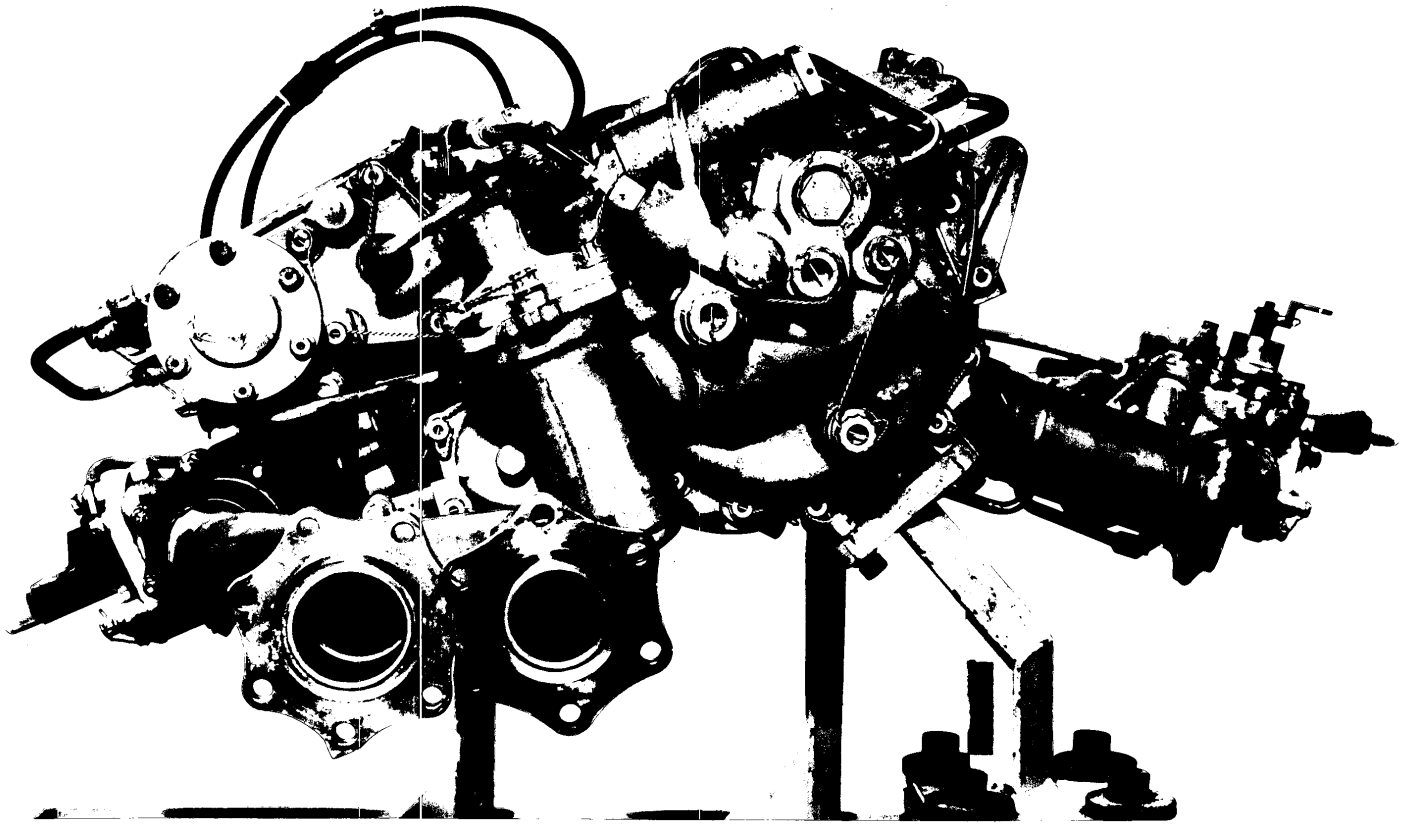


FIGURE A-84

25X1
25X1

[redacted] JFC 51 579400 L22 A/B FUEL CONTROL, [redacted] P/N 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME. 25X1

1/25/63 FX-116 FE 30414

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

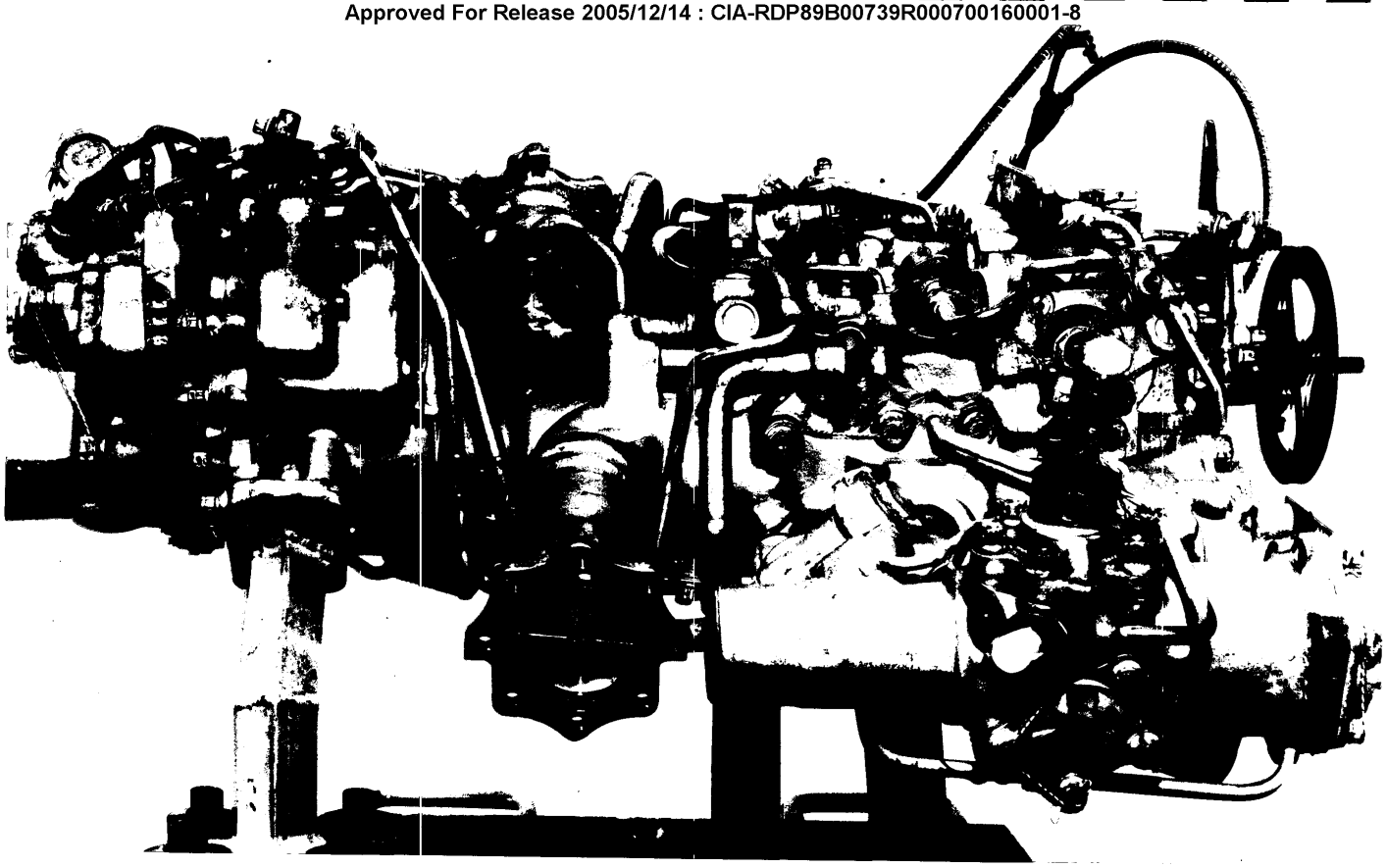


FIGURE A-85

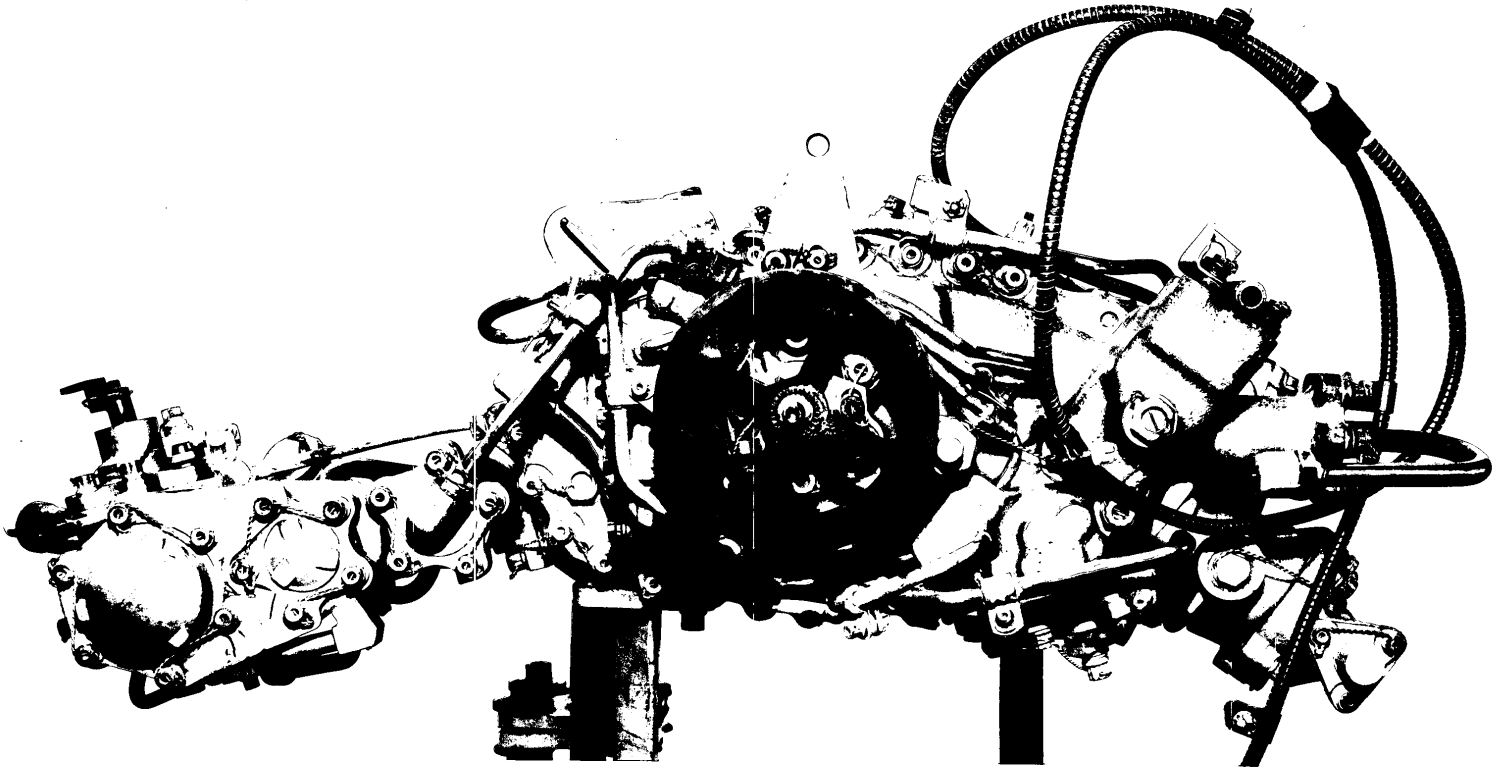
25X1
25X1

[redacted] JFC 51 579400 L22 A/B FUEL CONTROL, [redacted] P/N 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME. 25X1

1/25/63 FX-116 FE 30415

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

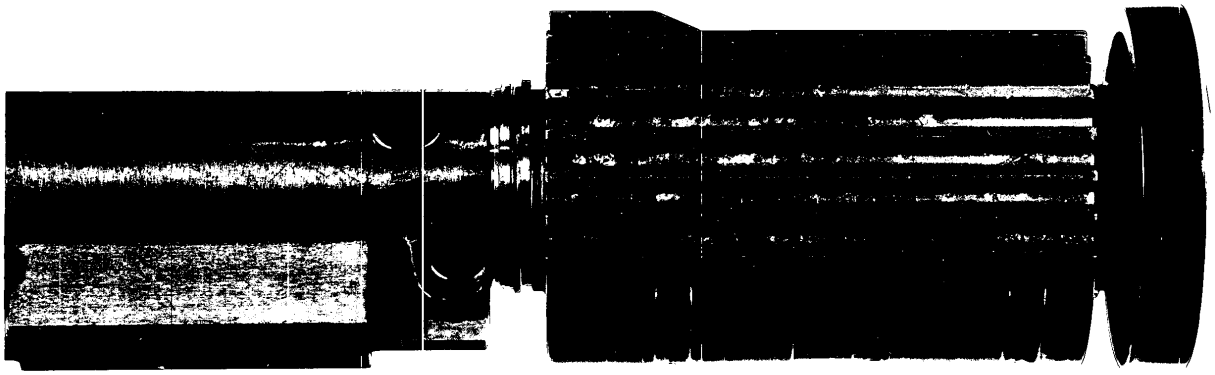
FIGURE A-86

[redacted] JFC-51 579400L22 A/B FUEL CONTROL, [redacted] 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME. 25X1

1/25/63 FX-116 FE 30416

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

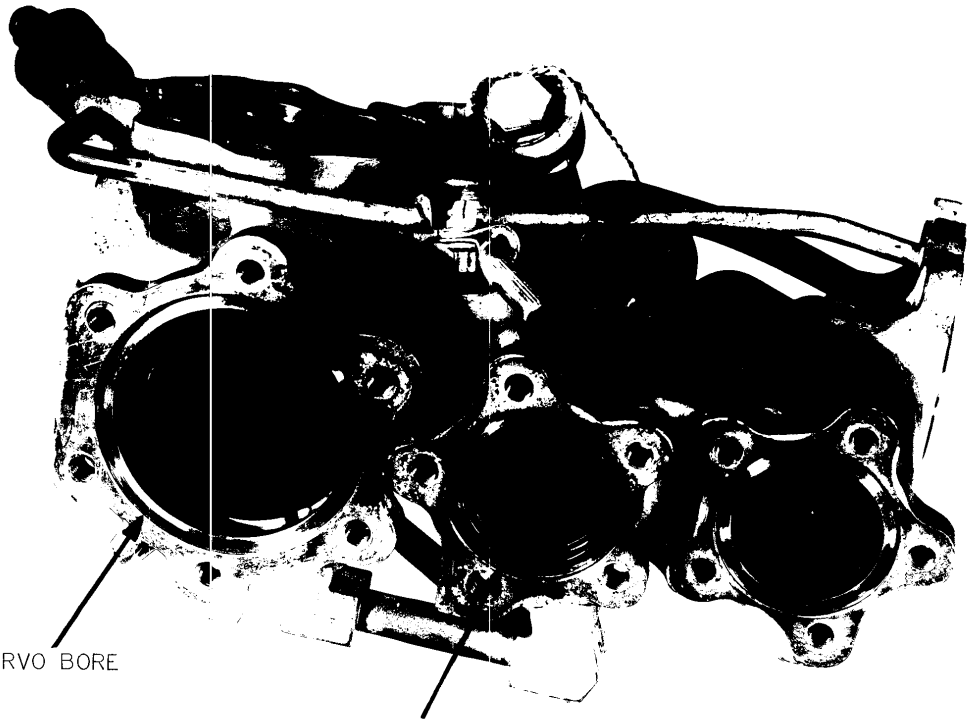
FIGURE A-89 APPROXIMATELY 2X MAGNIFICATION

[redacted] JFC 51 579400 L22 A/B FUEL CONTROL, [redacted] 25X1
2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING T_{T2} CAM GEAR. 40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/25/63 FX-116 FE 30834

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

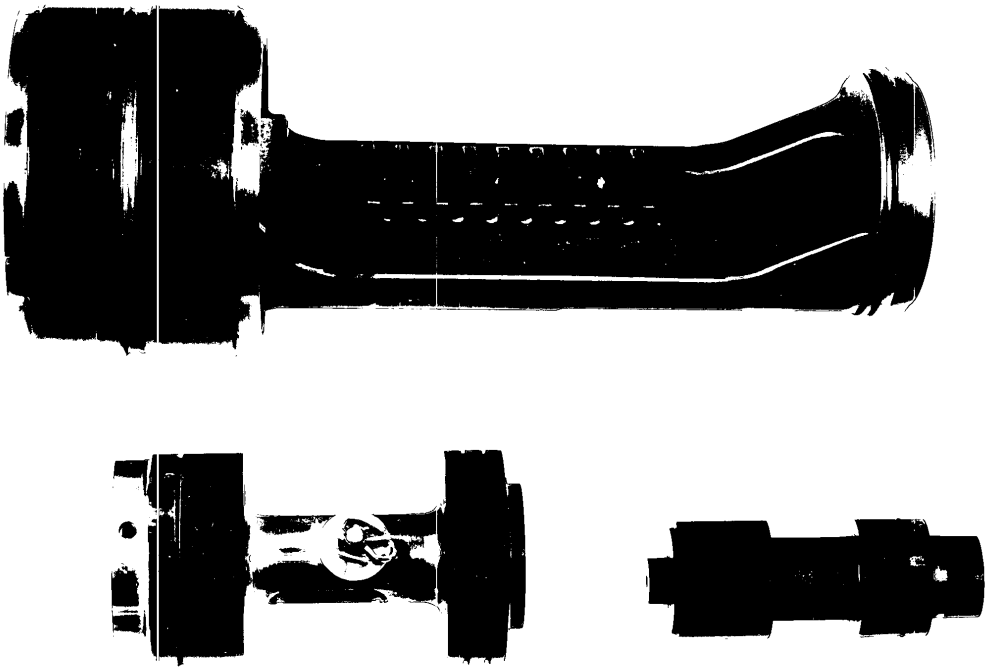
FIGURE A-90

25X1 [redacted] JFC-51 579400L22 A/B FUEL CONTROL, [redacted] P/N 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING PUMP CONTROLLER BORES. 40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME. 25X1

1/25/63 FX-116 FE 30835

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1
25X1

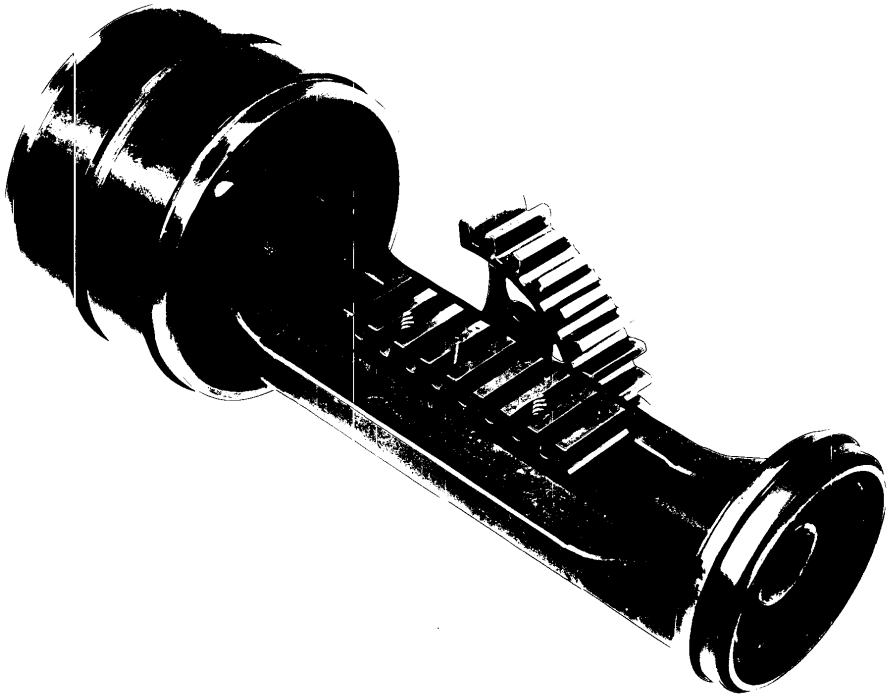
FIGURE A-91

[redacted] JFC-51 579400L22 A/B FUEL CONTROL [redacted] 25X1
P/N 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON
YJT11D-20A ENGINE FX-116 SHOWING PUMP CONTROLLER PISTONS.
40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/25/63 FX-116 FE 30836

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

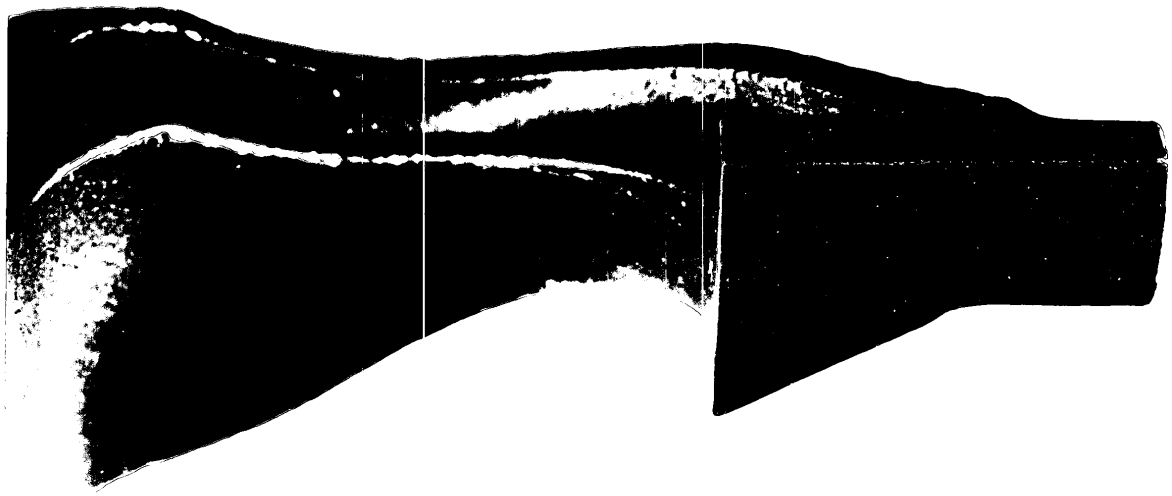
FIGURE A-92

[redacted] JFC-51 579400L22 A/B FUEL CONTROL, [redacted] 25X1
P/N 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING GEAR TEETH ON PUMP CONTROLLER POWER PISTON. 40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/25/63 FX-116 FE 30837

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

FIGURE A-93 APPROXIMATELY 2.5X MAGNIFICATION

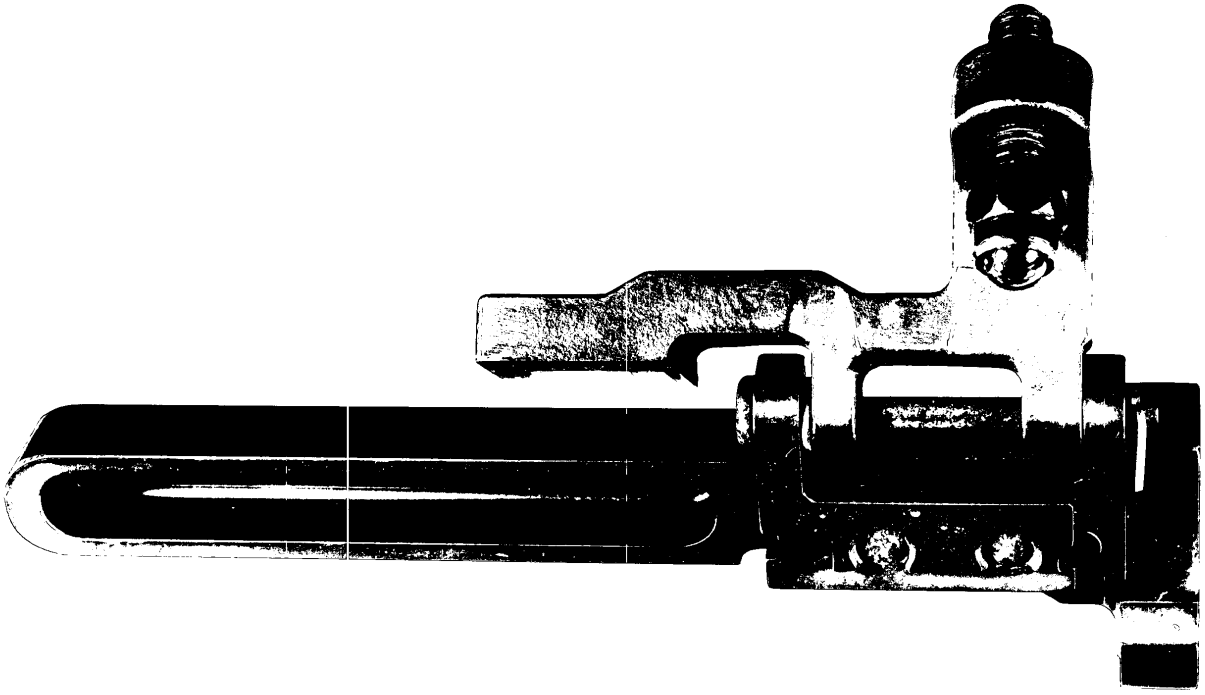
25X1

[redacted] JFC-51 579400L22 A/B FUEL CONTROL, [redacted] 25X1
P/N 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON
YJT11D-20A ENGINE FX-116 SHOWING POWER LEVER FEEDBACK LEVER.
40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/25/63 FX-116 FE 30838

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

FIGURE A-94

APPROXIMATELY 2X MAGNIFICATION

[redacted] JFC-51 579400L22 A/B FUEL CONTROL, [redacted] 25X1
P/N 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON
YJT11D-20A ENGINE FX-116 SHOWING T_{T2} CAM FOLLOWER ASSY.
40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/25/63

FX-116

FE 30839

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

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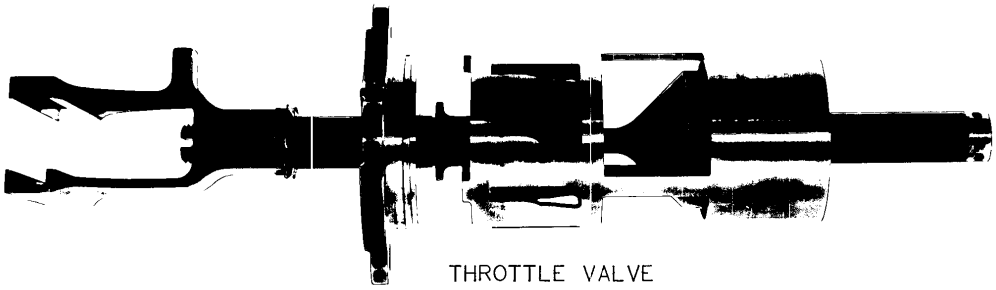
SHUTOFF VALVE

PRESSURE REGULATING VALVE

PEAK VALVE



THROTTLE VALVE

25X1
25X1

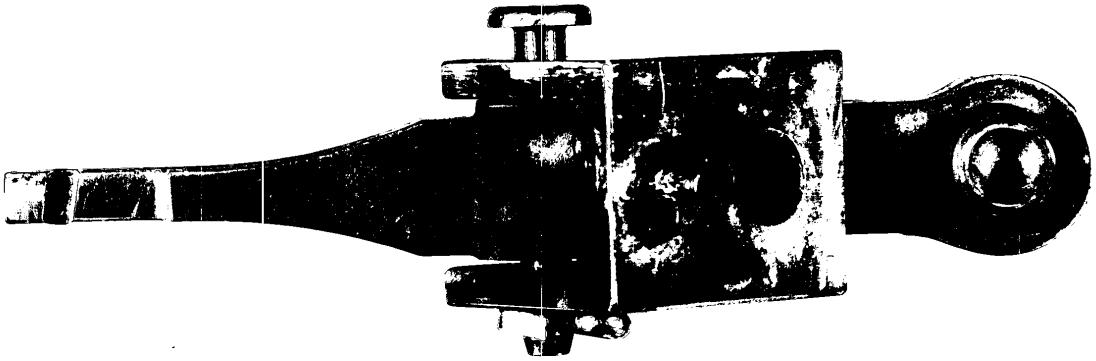
FIGURE A-95

[redacted] JFC 51 579400L22 A/B FUEL CONTROL, [redacted] P/N 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. SHOWING CONTROL VALVES. 40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME. 25X1

1/25/63 FX-116 FE 30840

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

FIGURE A-96 APPROXIMATELY 3X MAGNIFICATION

[redacted] JFC-51 579400L22 A/B FUEL CONTROL, [redacted] 25X1
P/N 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING PUMP CONTROLLER FEEDBACK LEVER. 40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/25/63 FX-116 FE 30841

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

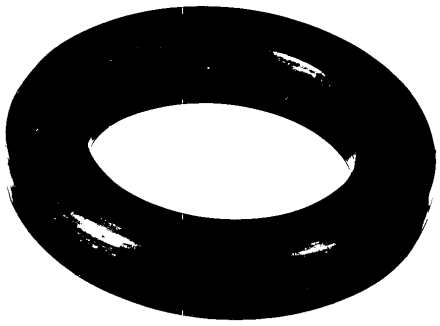


FIGURE A-97 APPROXIMATELY 4X MAGNIFICATION

25X1
25X1

[redacted] JFC-51 579400 L22 A/B FUEL CONTROL, [redacted] P/N 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING POWER LEVER SHAFT VITON SEAL. 40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME. 25X1

1/25/63 FX-116 FE 30842

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

25X1

FIGURE A-98 APPROXIMATELY 23X MAGNIFICATION

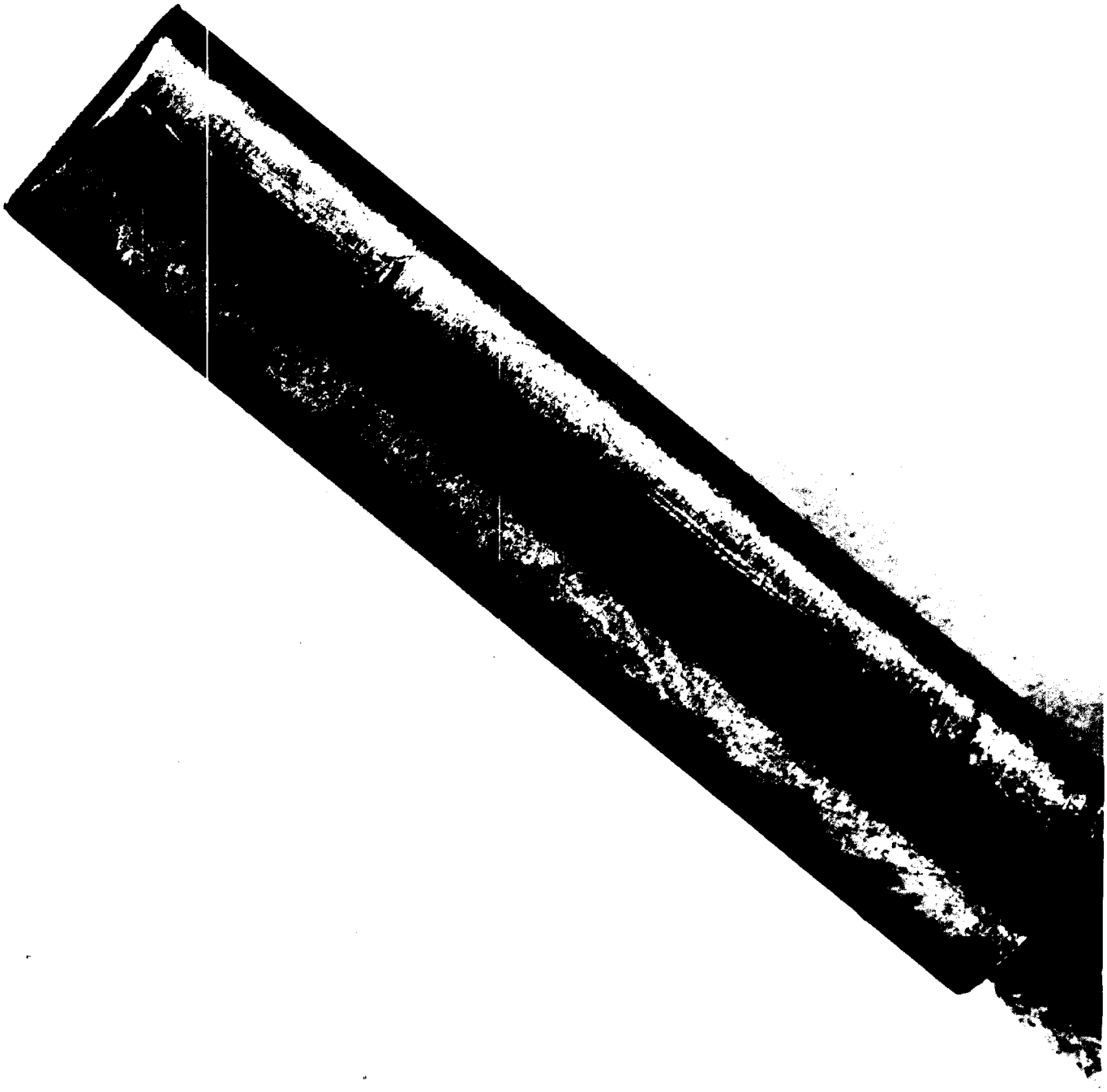
25X1
25X1

[redacted] JFC 51 579400L22 A/B FUEL CONTROL, [redacted] P/N 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116, SHOWING BLEED RESET CAM FOLLOWER. 40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/25/63 FX-116 FE 30846

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

FIGURE A-99 APPROXIMATELY 6X MAGNIFICATION

25X1

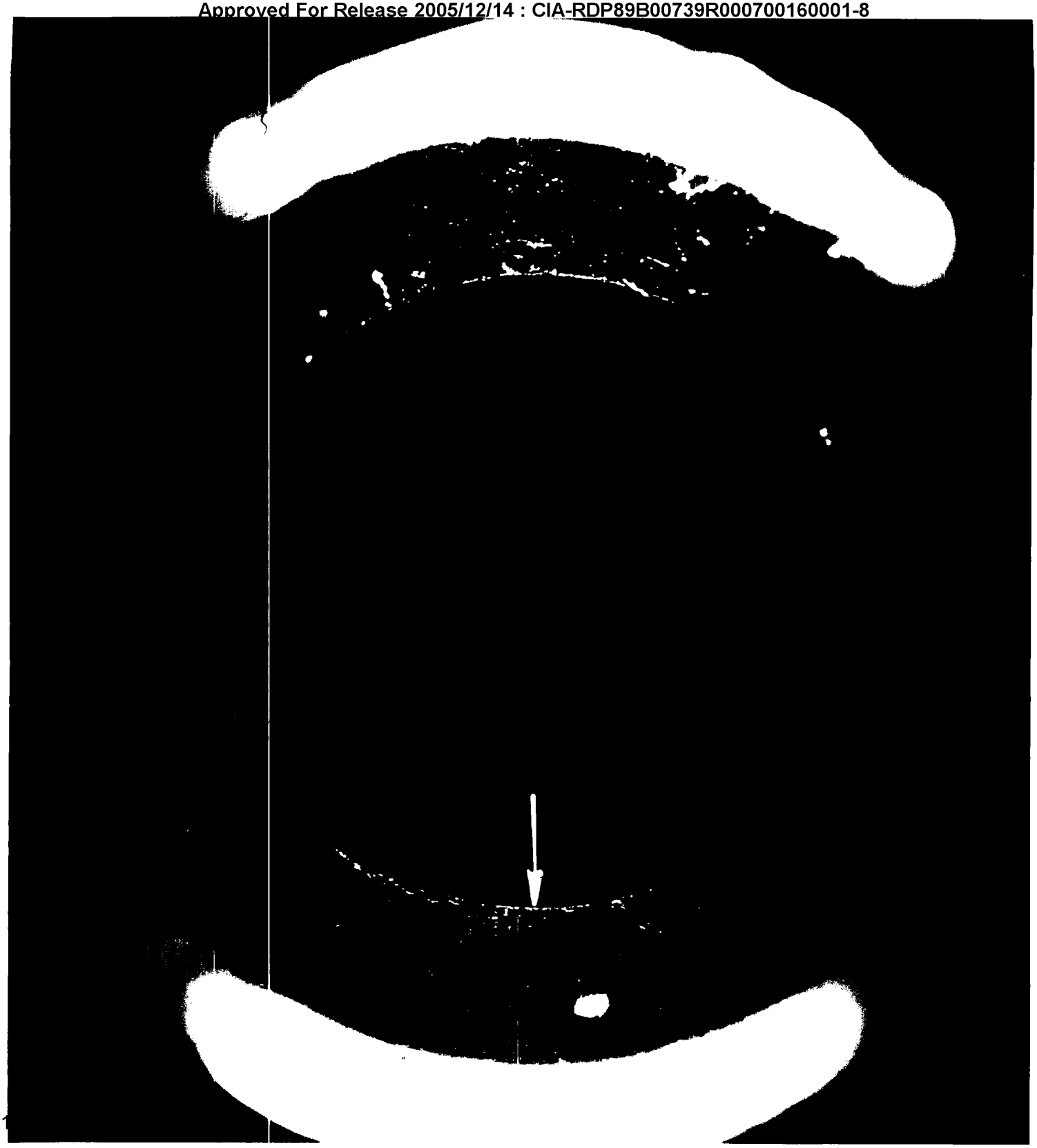
25X1

[redacted] JFC-51 579400L22 A/B FUEL CONTROL, [redacted] P/N 2069192 S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING BLEED RESET CAM FOLLOWER. 40.97 HOURS TOTAL BENCH TIME. 97.35 HOURS TOTAL ENGINE TIME.

1/25/63 FX-116 SE 30915

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



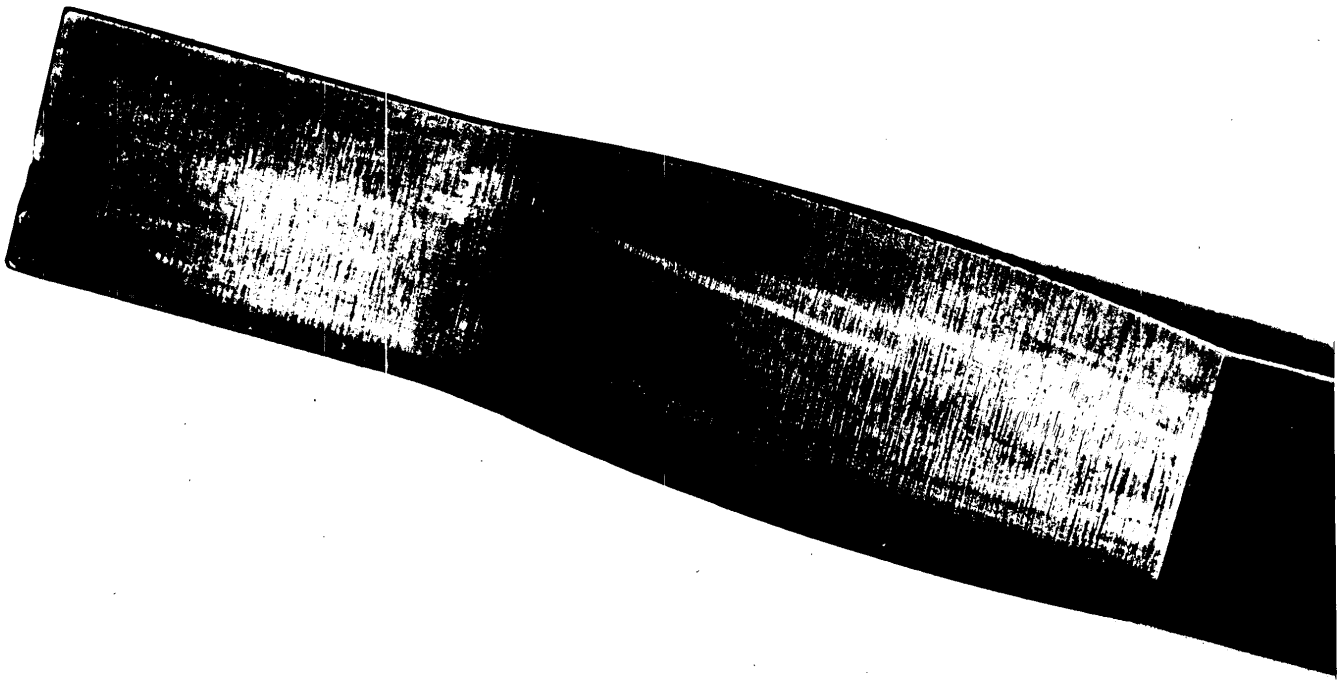
25X1

FIGURE A-100 APPROXIMATELY 17X MAGNIFICATION

25X1 [redacted] JFC-51 579400L22 A/B FUEL CONTROL, [redacted] 25X1
P/N 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST OI
YJT11D-20A ENGINE FX-116, SHOWING BLEED RESET CAM FOLLOWEF
BORE. 40.97 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL
ENGINE TIME.
1-25-63 FX-116 FE30848

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

FIGURE A-101 APPROXIMATELY 8X MAGNIFICATION

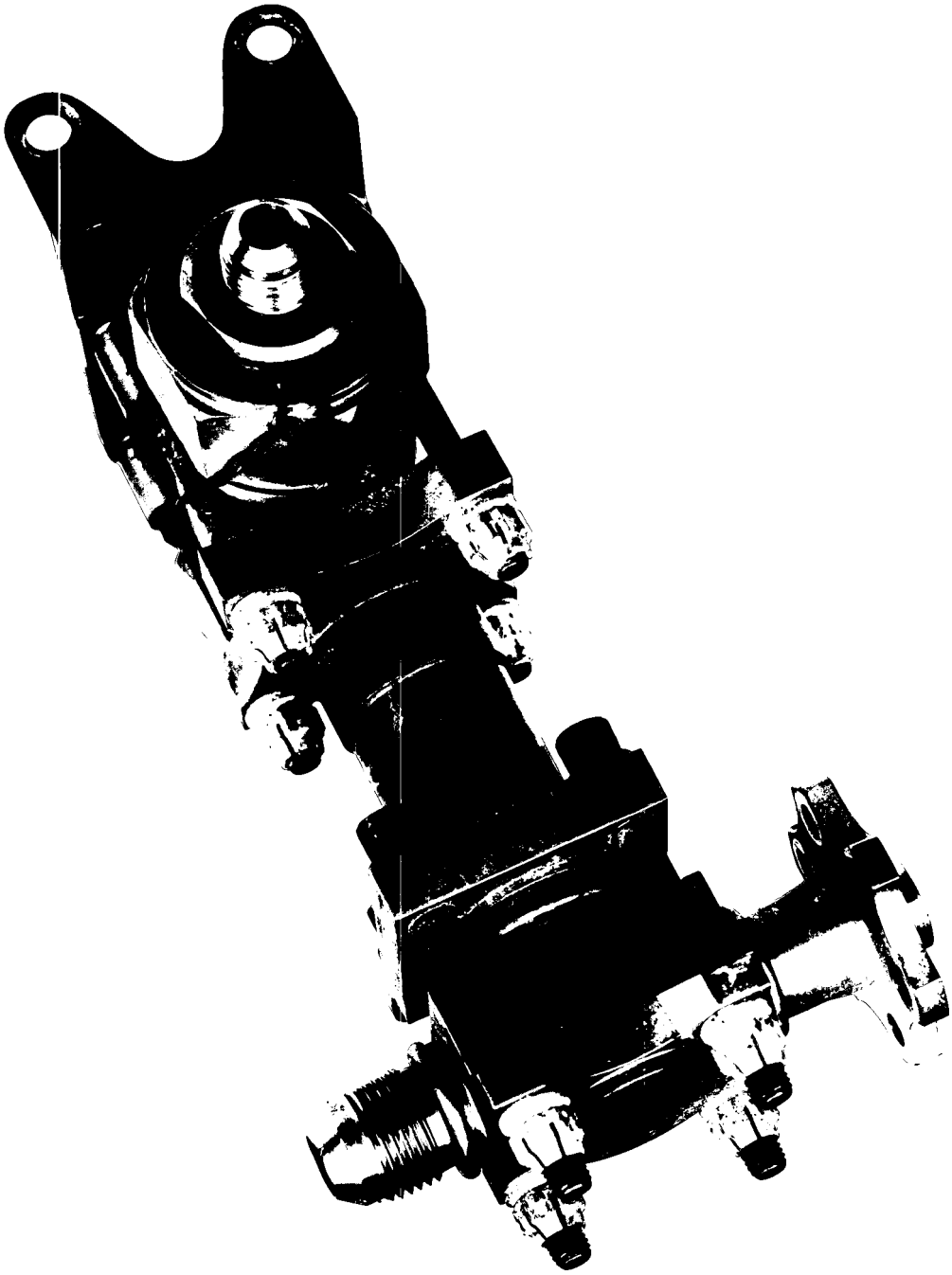
[redacted] 579400 L22 A/B FUEL CONTROL, [redacted] 2069192, S/N A07A023, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING CDP BLEED RESET CAM. 40.97 HOURS TOTAL BENCH TIME. 97.35 HOURS TOTAL ENGINE TIME.

25X1

1/25/63 FX-116 FE 30914

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

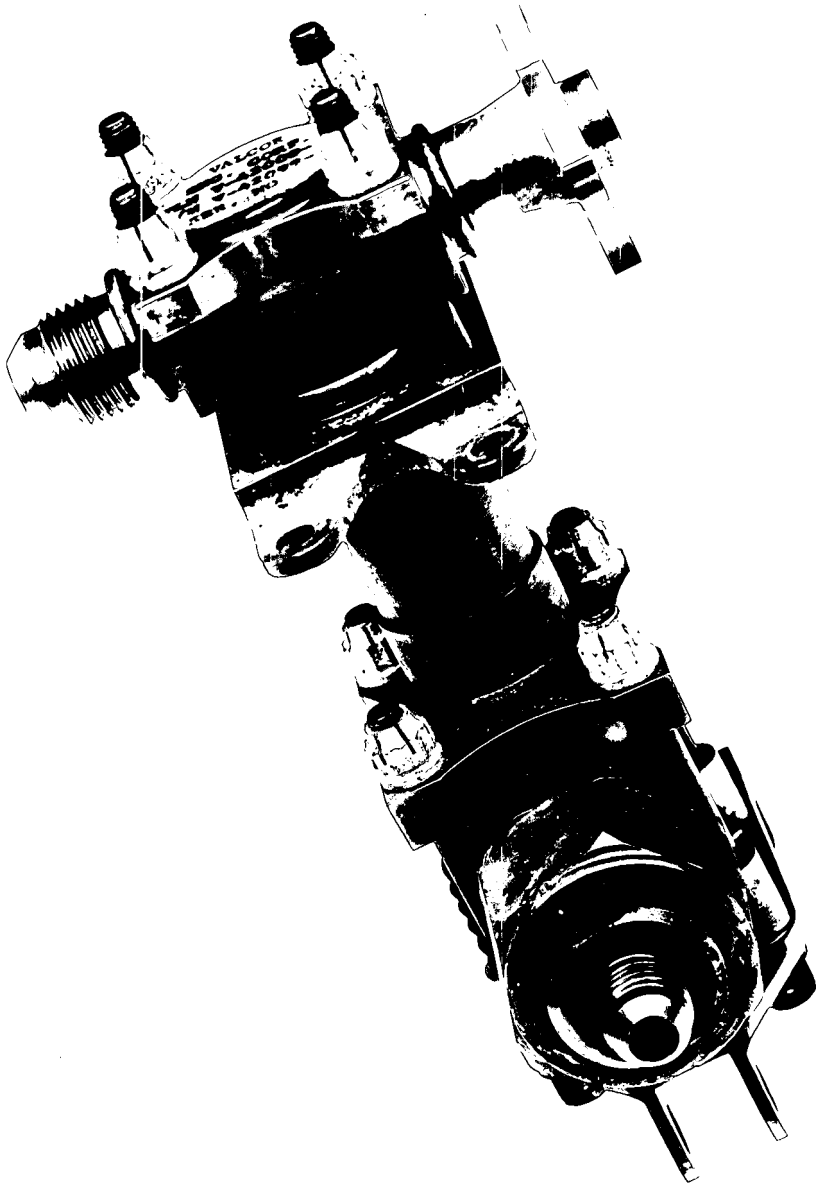
FIGURE A-102

[redacted] V42099-16 ZONE 1 A/B MANIFOLD DUMP VALVE, [redacted] 25X1
2070043, S/N A47A019, AFTER FLIGHT SUITABILITY TEST ON
YJT11D-20A ENGINE FX-116. 5.92 HOURS TOTAL BENCH TIME,
97.35 TOTAL ENGINE TIME.

1/15/63 FX-116 FE 30594

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

25X1

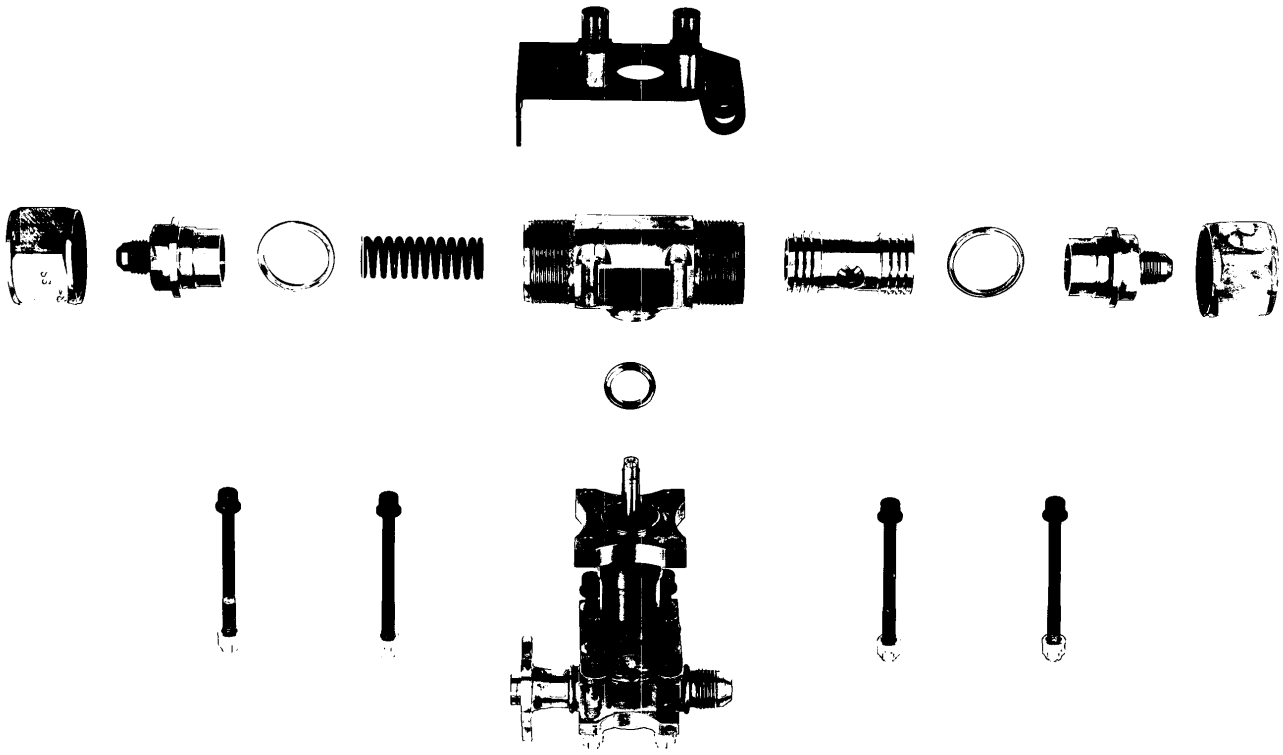
FIGURE A-103

[redacted] V-42099-16 ZONE 1 A/B MANIFOLD DUMP VALVE, [redacted] 2070043, S/N A47A019 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 5.92 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/15/63 FX-116 FE 30593

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

FIGURE A-104

[redacted] V-42099-16 ZONE 1 A/B MANIFOLD DUMP VALVE, [redacted] 2070043, S/N A47A019 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 5.92 HOURS TOTAL BENCH TIME. 97.35 HOURS TOTAL ENGINE TIME. 25X1

1/25/63 FX-116 FE 30885

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

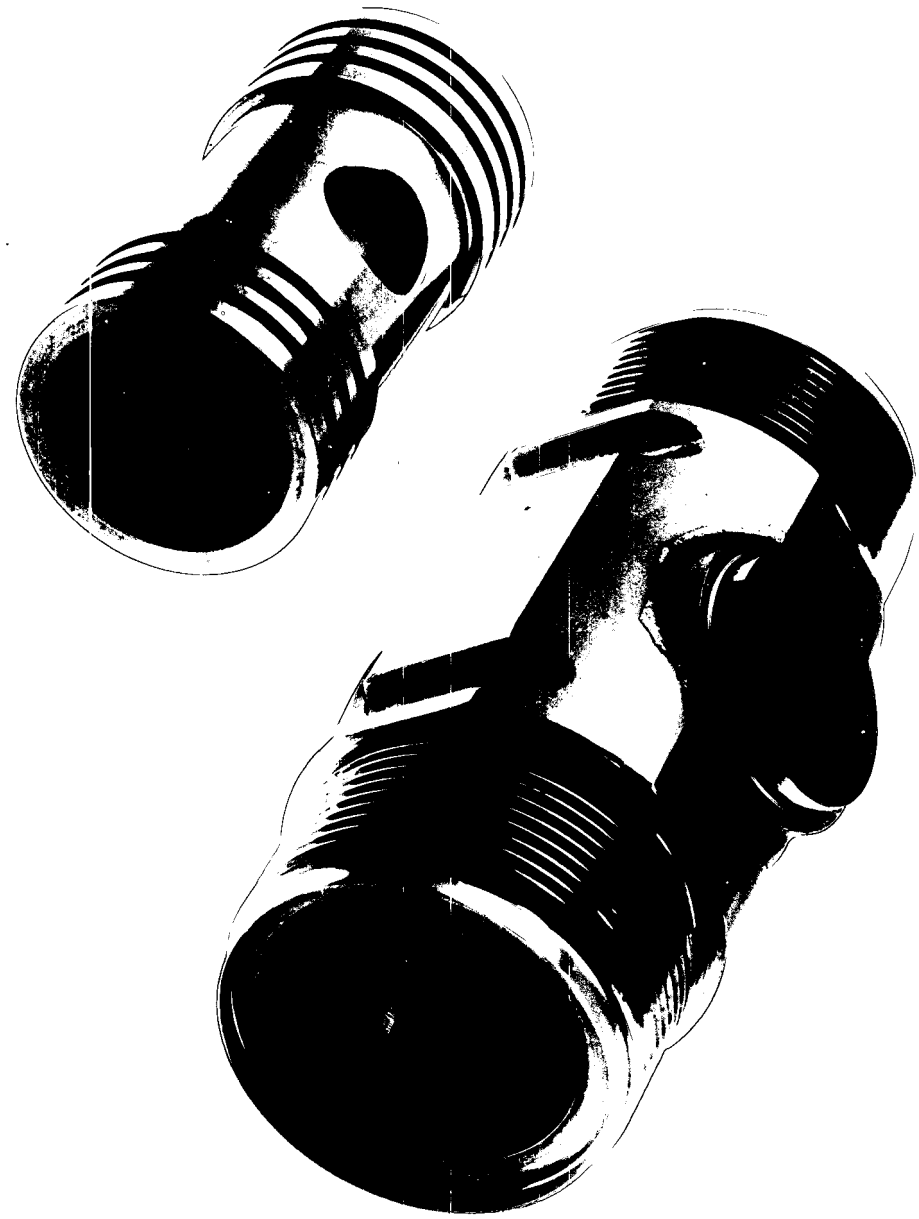


FIGURE A-105

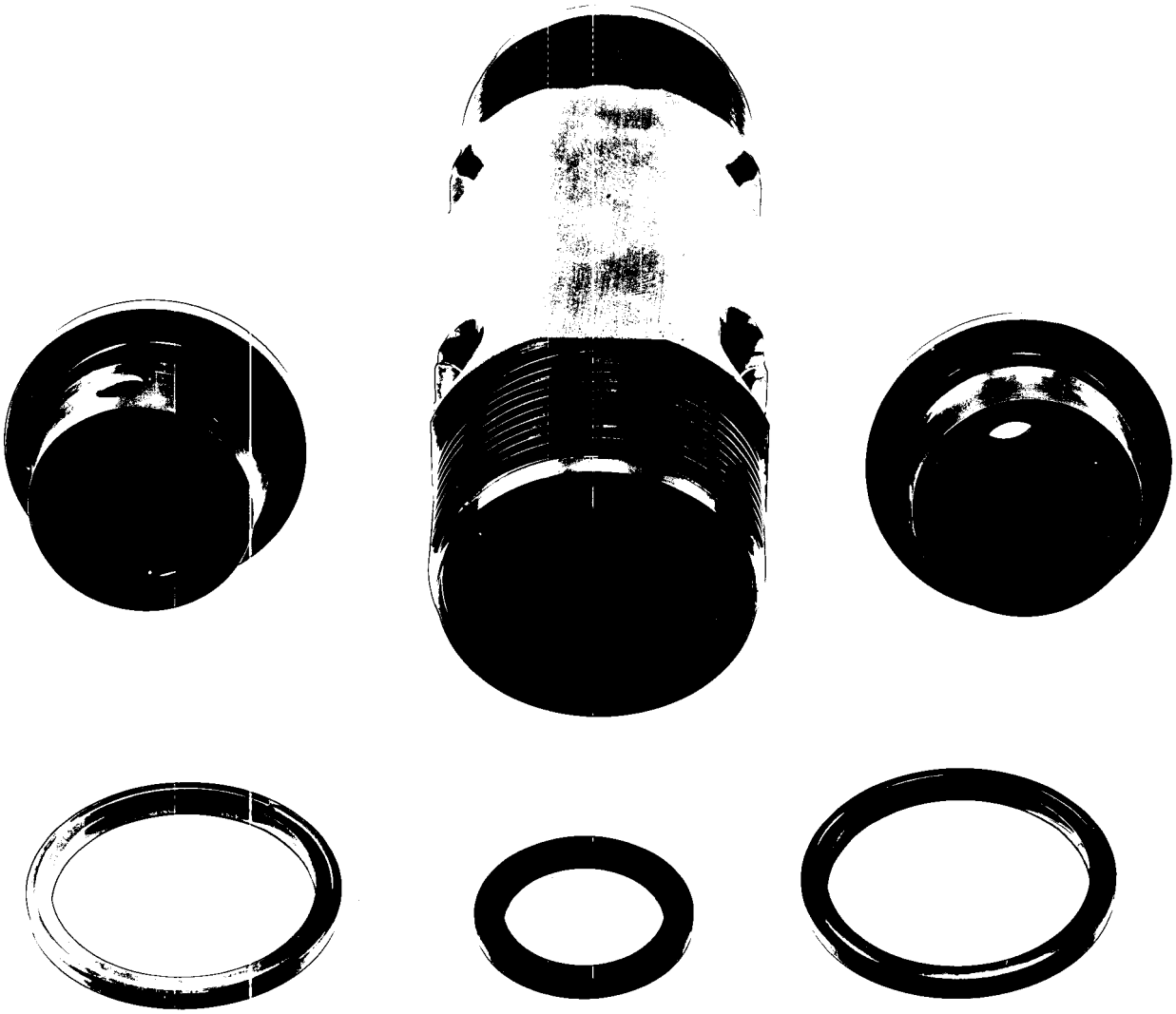
25X1
25X1
25X1

[redacted] V-42099-16 ZONE 1 A/B MANIFOLD DUMP VALVE, [redacted] 2070043, S/N A47A019, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING ACTUATOR PISTON AND BORE. 5.92 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 31225

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1
25X1
25X1

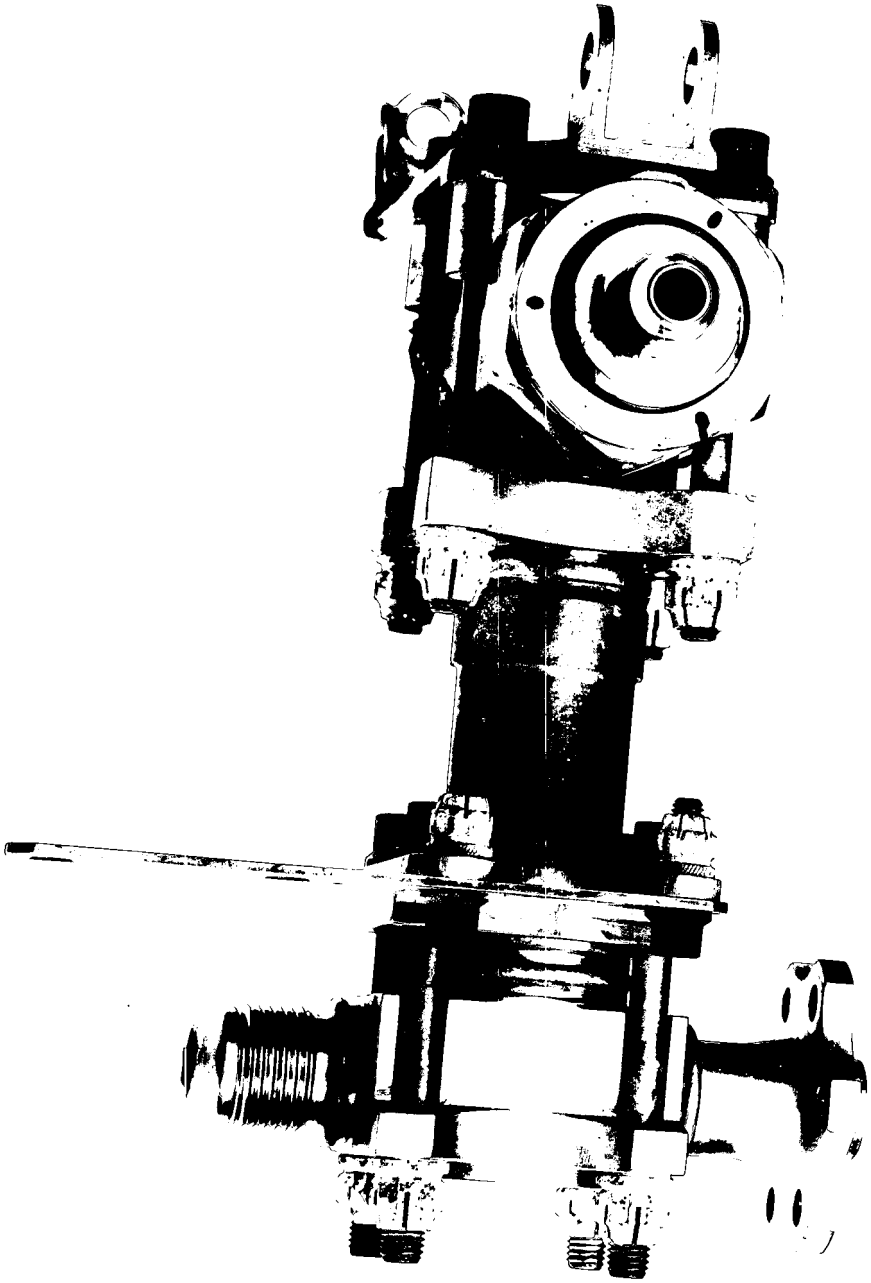
FIGURE A-106

[redacted] V-42099-16 ZONE 1 A/B MANIFOLD DUMP VALVE, [redacted] 2070043, S/N A47A019 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING SEALS AND SEALING SURFACES. 5.92 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 31226

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

25X1

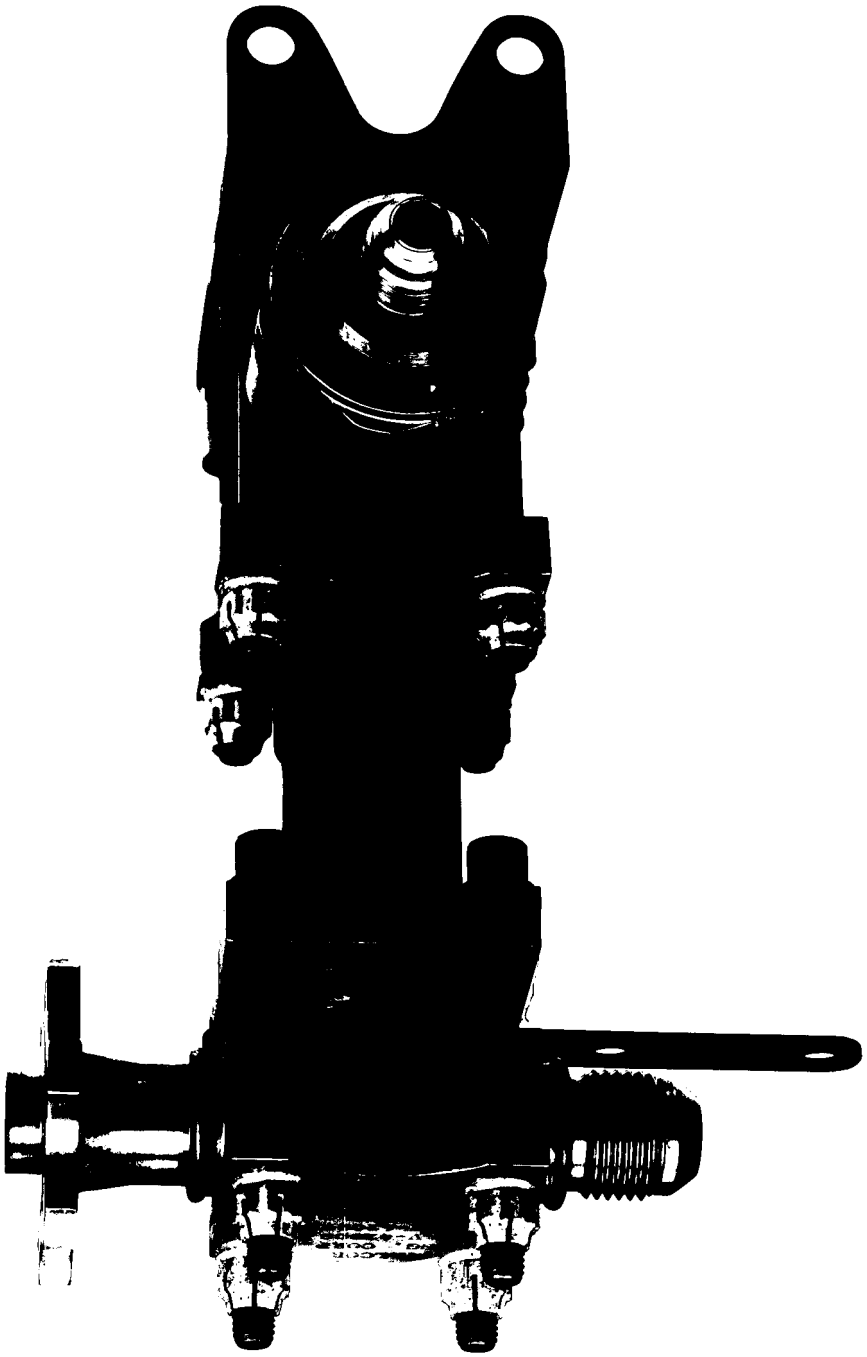
FIGURE A-107

[redacted] V-42099-17 ZONE 2 A/B MANIFOLD DUMP VALVE, [redacted] 2070044, S/N A47A020 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 2.17 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/15/63 FX-116 FE 30595

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

FIGURE A-108

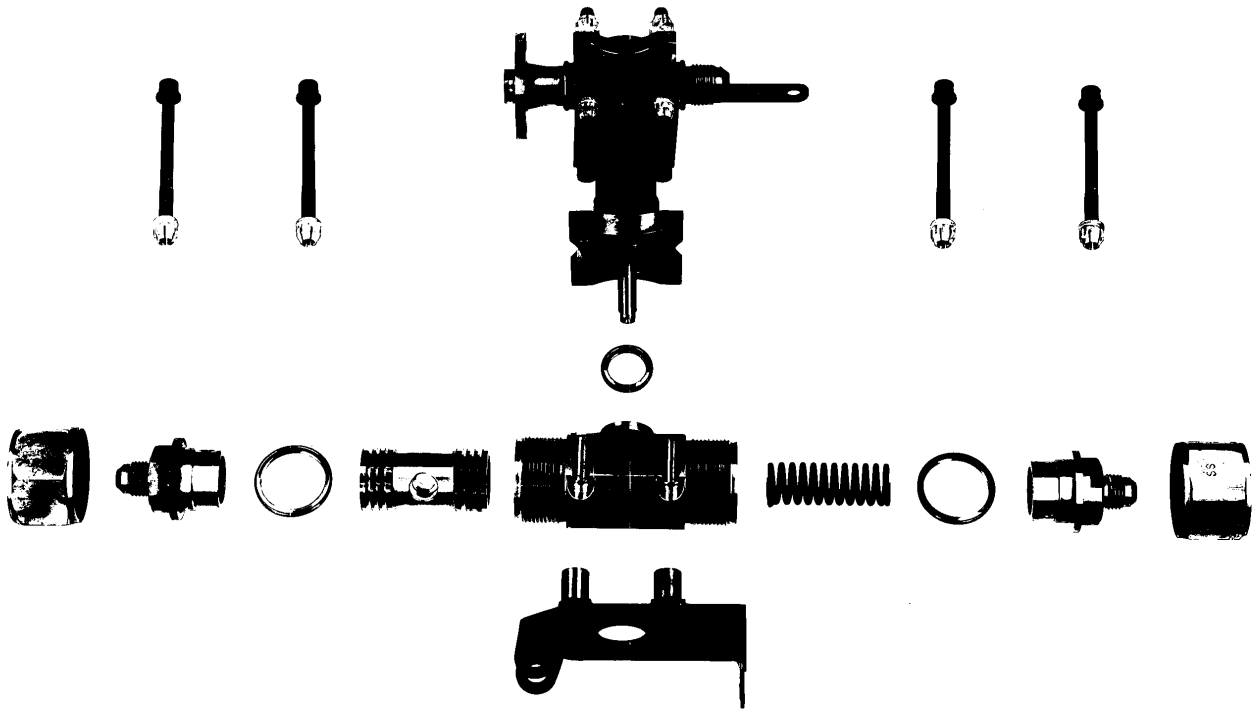
25X1
25X1

[redacted] V-42099-17 ZONE 2 A/B MANIFOLD DUMP VALVE, [redacted] 2070044, S/N A47A020, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 2.17 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/15/63 FX-116 FE 30596

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

FIGURE A-109

25X1

[redacted] V-42099-17 ZONE 2 A/B MANIFOLD DUMP VALVE, [redacted] 2070044, S/N A47A020 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 2.17 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME. 25X1

1/25/63 FX-116 FE 30884

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

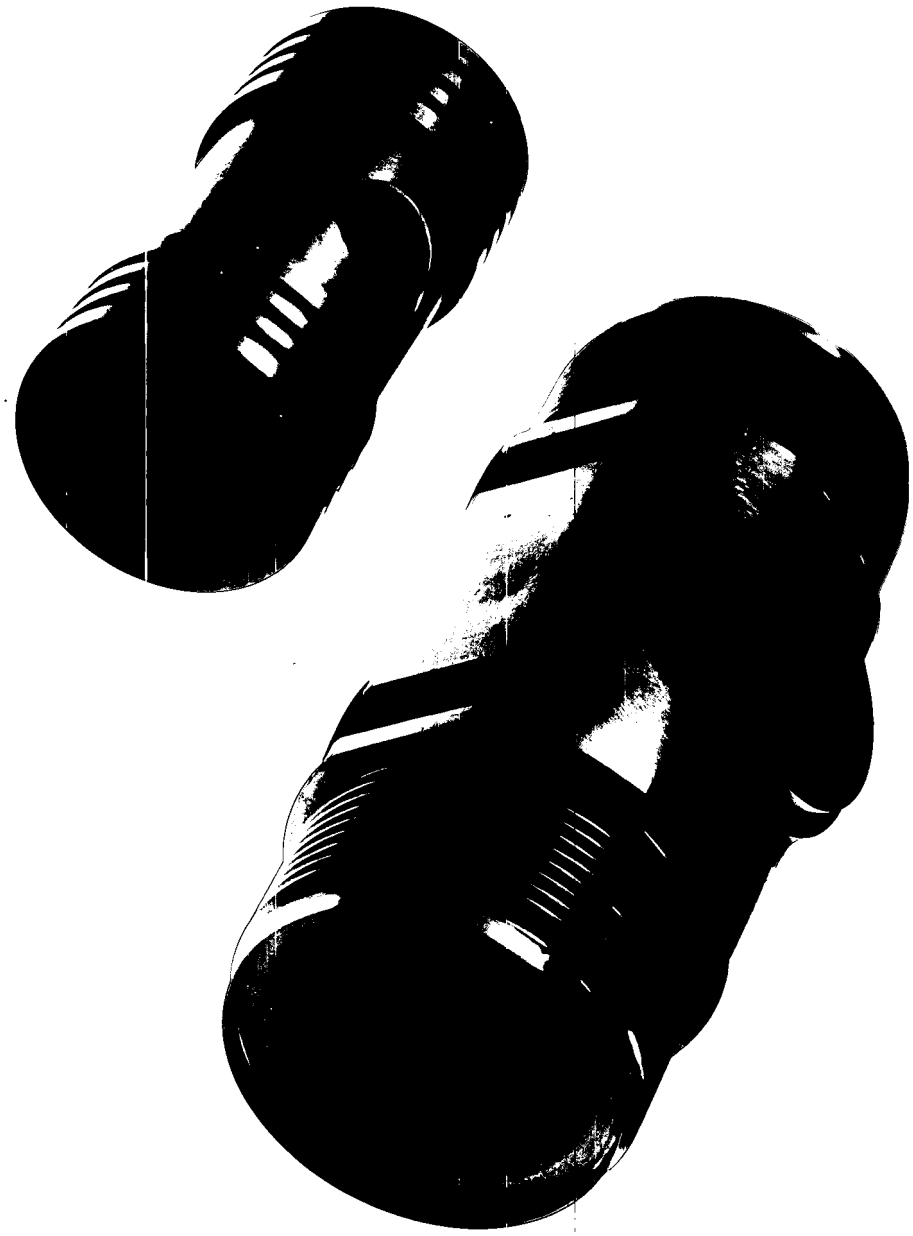


FIGURE A-110

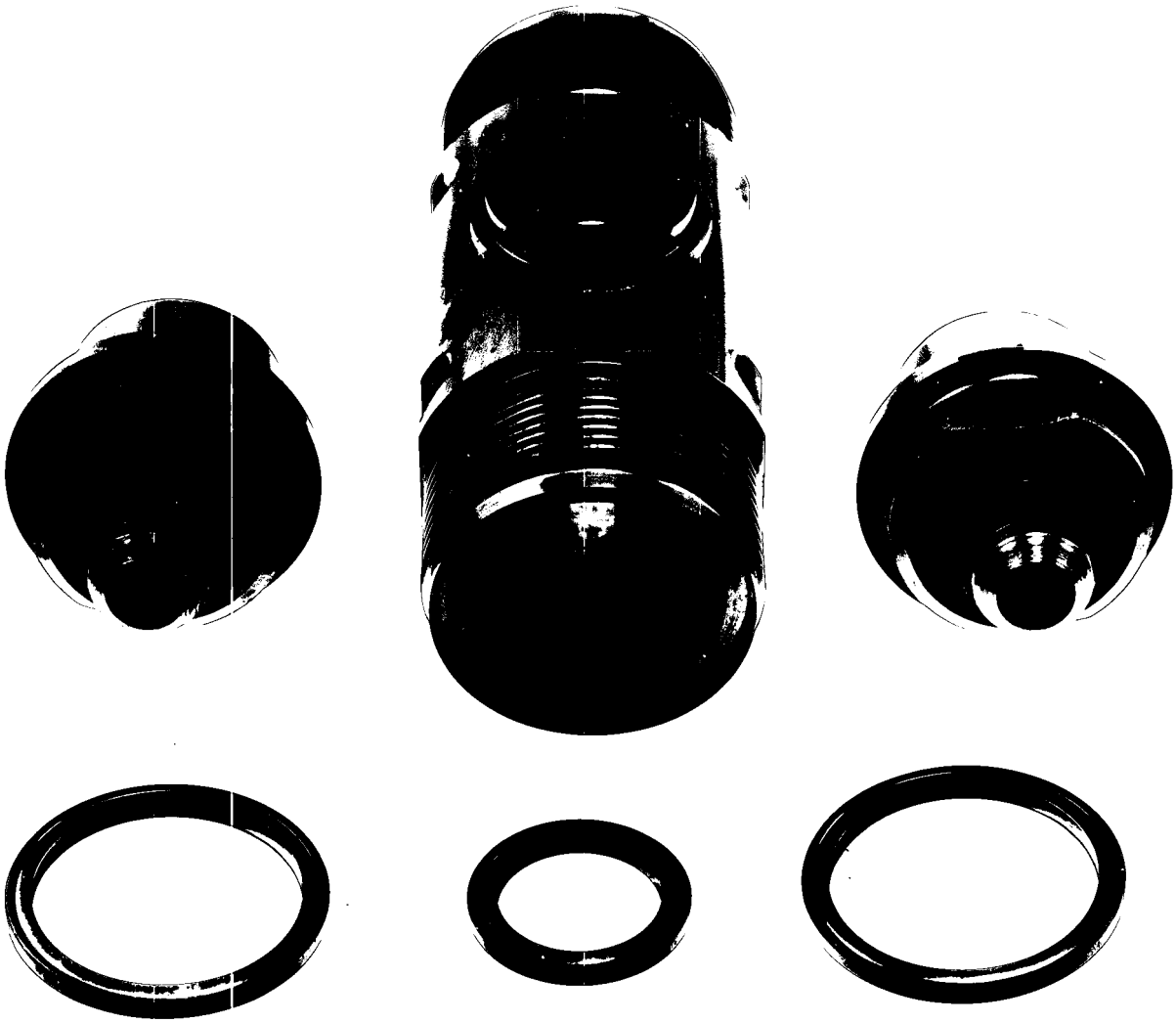
25X1
25X1
25X1

[redacted] V-42099-17 ZONE 2 A/B MANIFOLD DUMP VALVE, [redacted] 2070044, S/N A47A020 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING ACTUATOR PISTON AND BORE. 2.17 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/15/63 FX-116 FE 31227

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

25X1

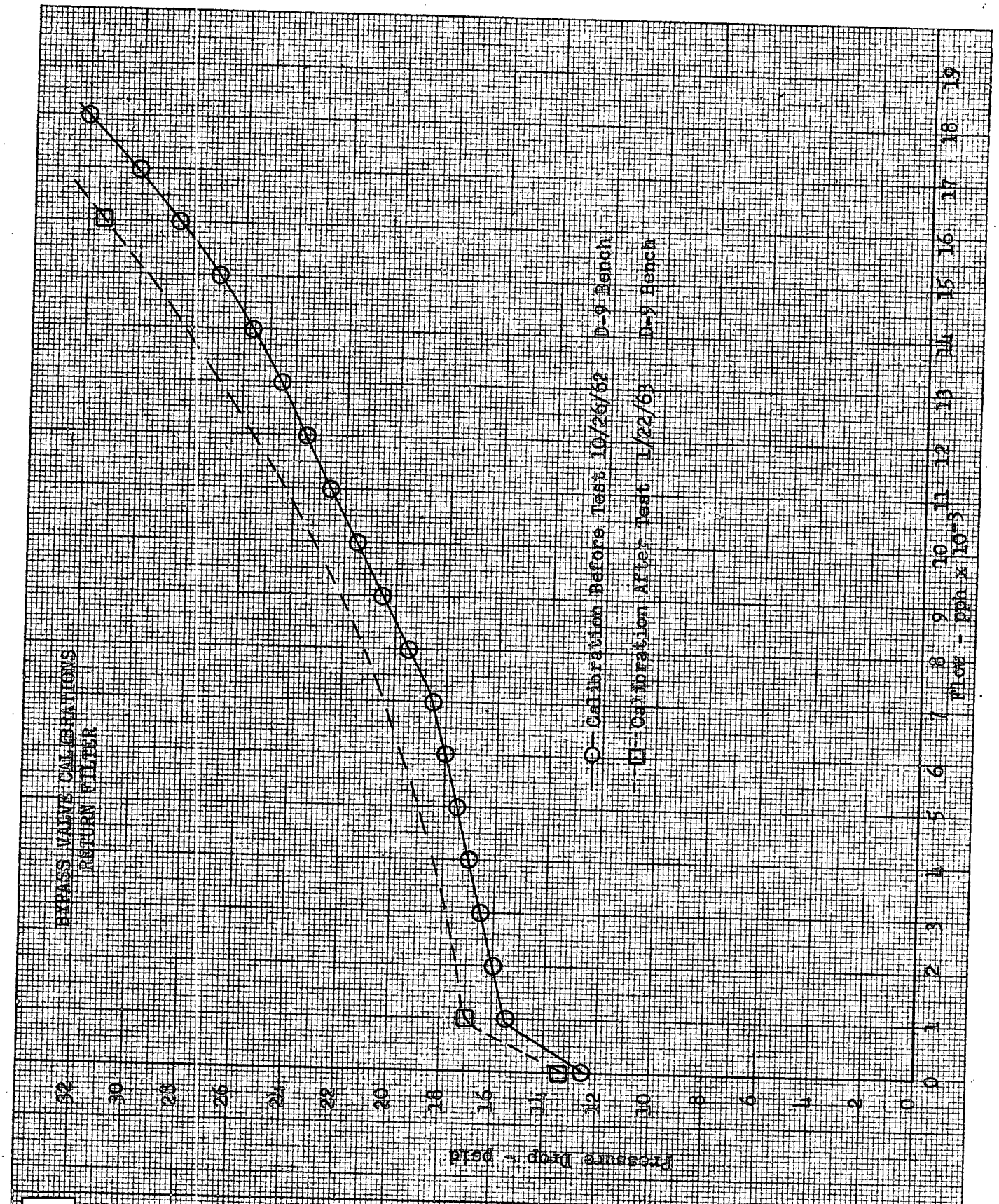
FIGURE A-111

[redacted] V-42099-17 ZONE 2 A/B MANIFOLD DUMP VALVE, [redacted] 2070044, S/N A47A020 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING SEALS AND SEALING SURFACES. 2.17 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/15/63 FX-116 FE 31228

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



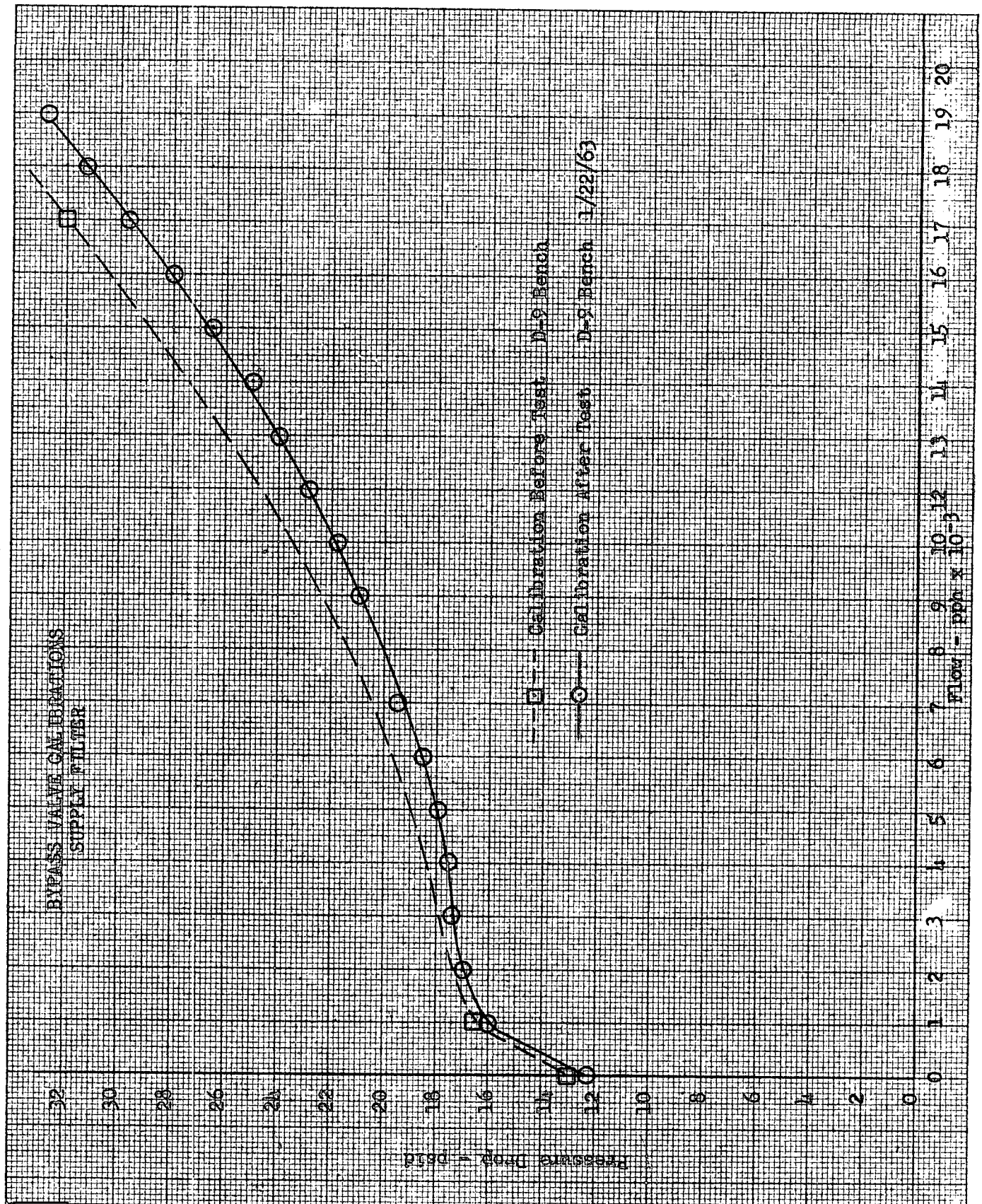
Hydraulic Fluid Filter Assy.
20U694 S/N A314036 Calibrations
for Flight Suitability Test

ENG/RIG NO. FX-116 DATE 1/31/63
TYPE XH11D-20A DRAWN BY
STAND NO. 0-4 CURVE NO. DF-21296
TEST DATE 12/28/62 thru 1/4/63

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

FIGURE A-~~13~~ 112

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



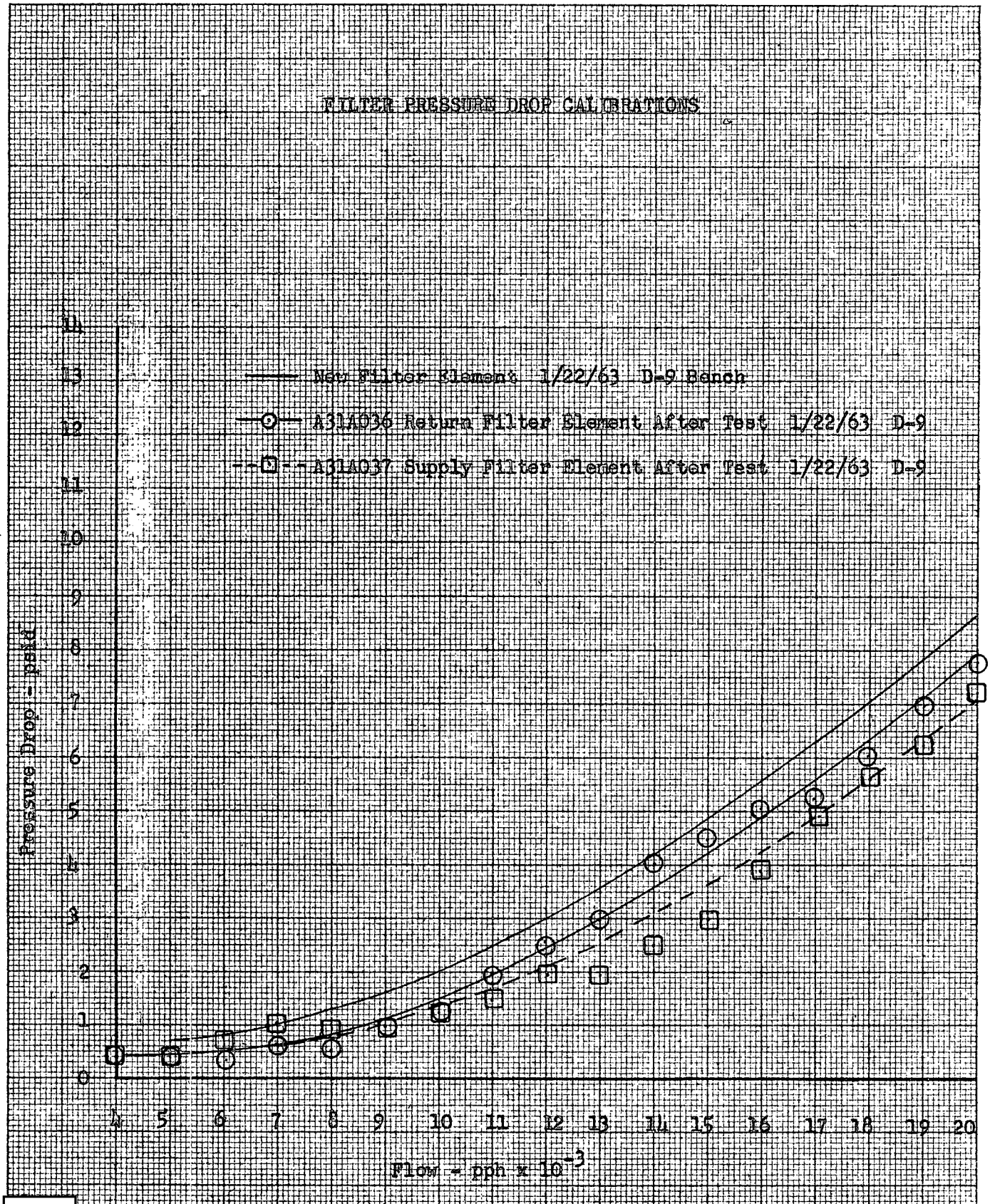
Hydraulic Fluid Filter Assy.
204A694 S/N A31A037 Calibrations
for Flight Suitability Test

ENG/RIC NO. FX-116 DATE 1/31/63
TYPE YJT11D-20A DRAWN BY
STAND NO. C-4 CURVE NO. DF-21297
TEST DATE 12/28/62 thru 1/4/63

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

FIGURE A-113

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



[redacted] Hydraulic Fluid Filter Assy.
2044694 Calibrations
for Flight Suitability Test

[redacted]

ENG/RIG NO. FX-116 DATE 1/31/63
TYPE YJT11D-20A DRAWN BY
STAND NO. C-4 CURVE NO. DF-21298
TEST DATE 12/28/62 thru 1/4/63

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

FIGURE A-114

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

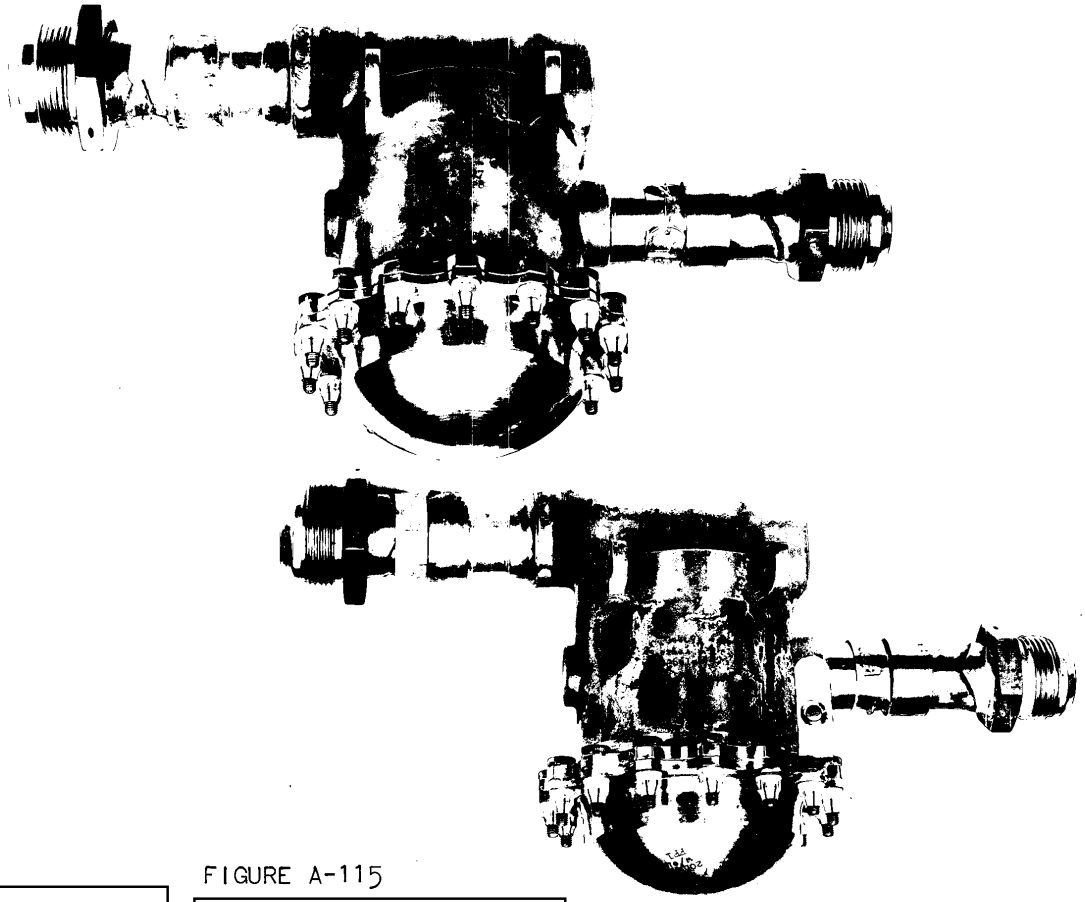


FIGURE A-115

25X1
25X1

[redacted] 2044694 S/N A31A036 & A31A037 HYDRAULIC FLUID FILTER AND BYPASS ASSYS., AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 TOTAL ENGINE TIME 97.35 HOURS BOTH FILTERS. TOTAL BENCH TIME 0.75 HOUR ON A31A036 AND 1.00 HOUR ON A31A037.

1/30/63 FX-116 FE 30480

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

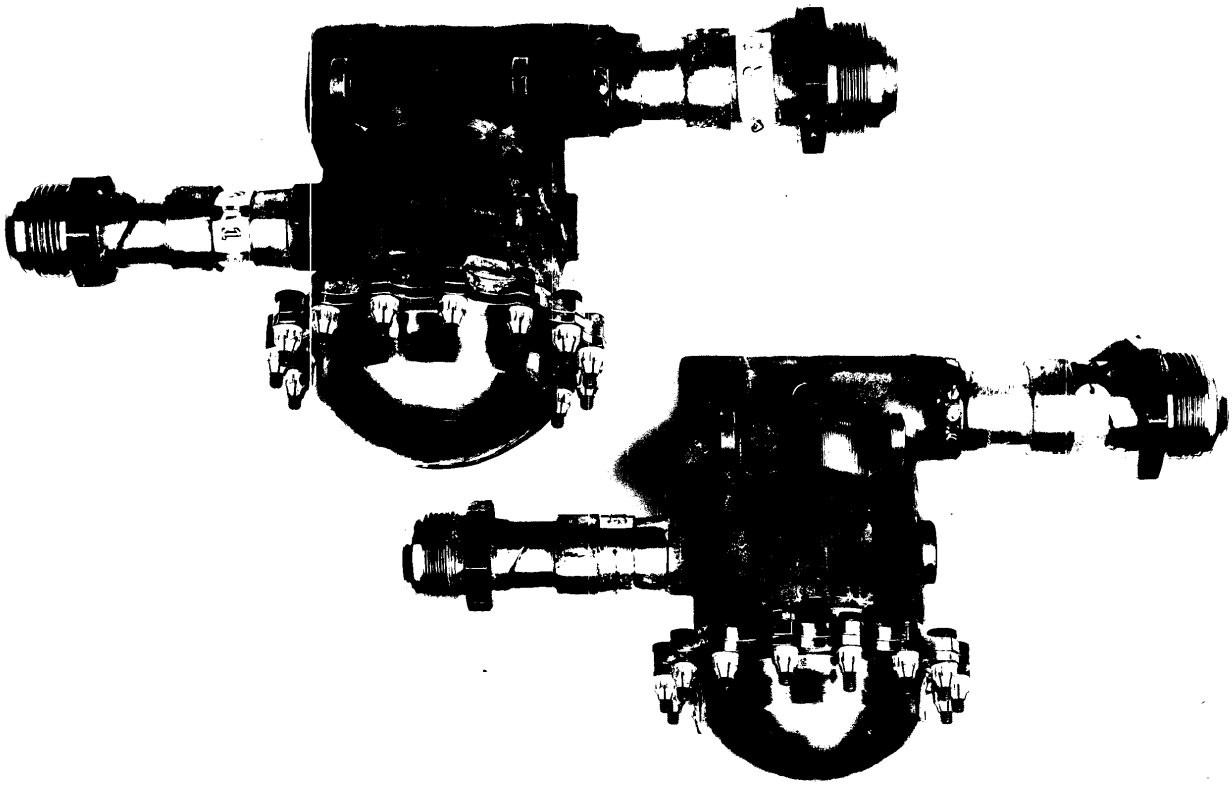


FIGURE A-116

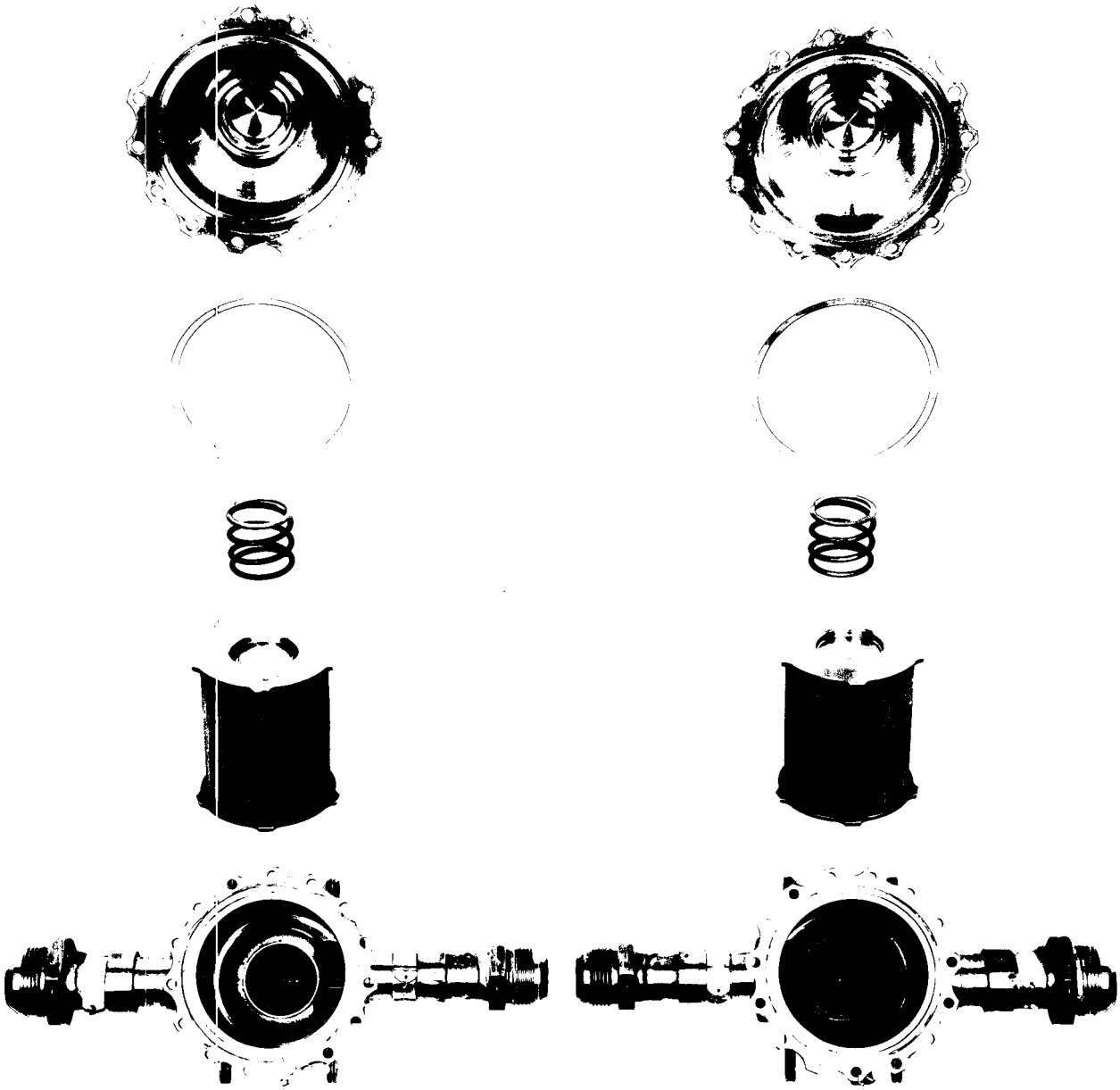
25X1

[redacted] 2044694 S/N A31A036 AND A31A037 HYDRAULIC FLUID FILTER AND BYPASS ASSEMBLIES, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. TOTAL ENGINE TIME 97.35 HOURS BOTH FILTERS, TOTAL BENCH TIME 0.75 HOURS ON A31A036 AND 1.00 HOURS ON A31A037.

1/30/63 FX-116 FE 30481

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1
25X1

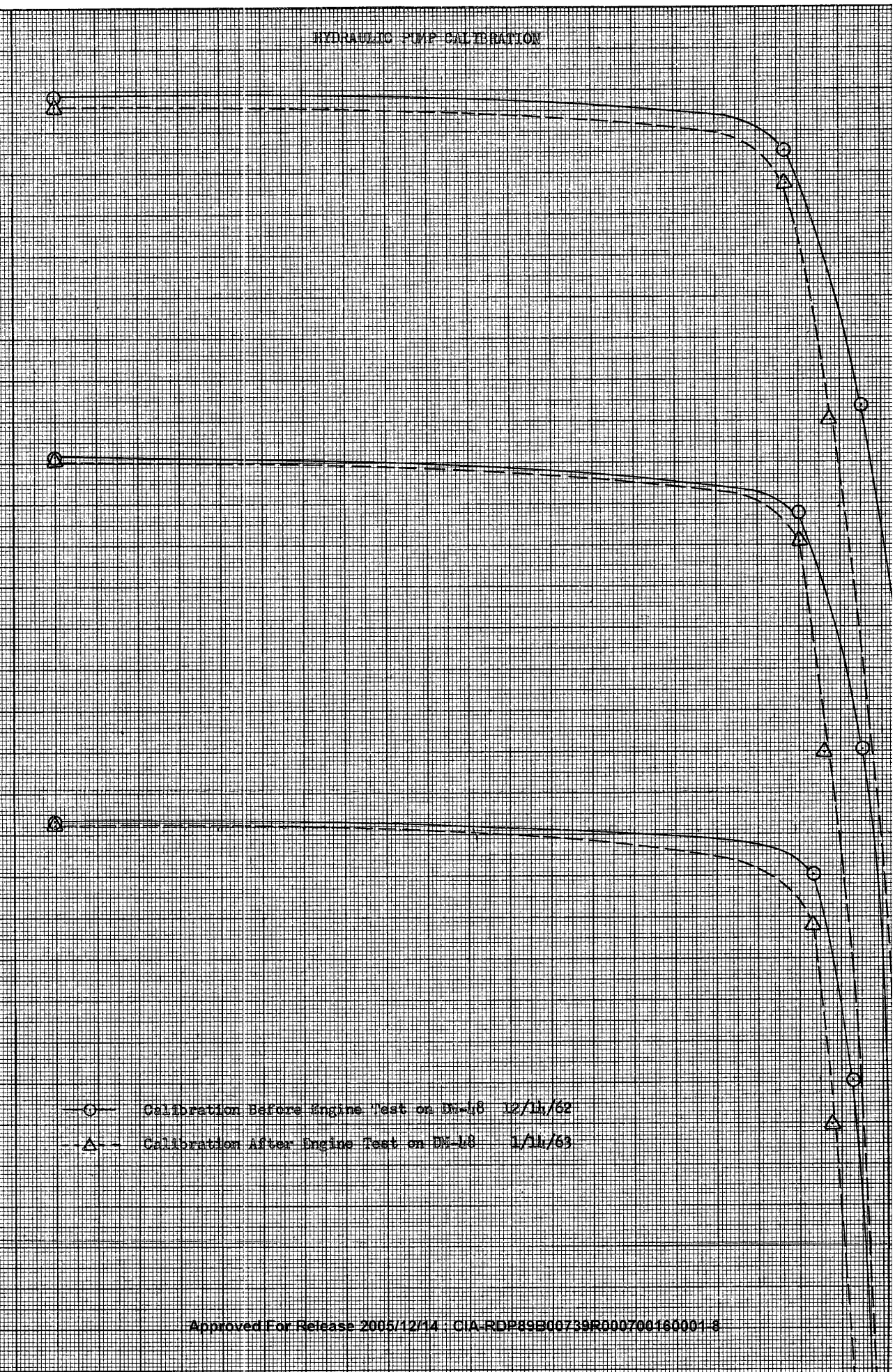
FIGURE A-117

[redacted] 2044694 S/N A31A036 & A31A037 HYDRAULIC FLUID FILTER AND BYPASS ASSYS., AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. TOTAL ENGINE TIME 97.35 HR. BOTH FILTERS. TOTAL BENCH TIME 0.75 HR. ON A31A036 AND 1.00 HR. ON A31A037.

1/30/63 FX-116 FE 30726

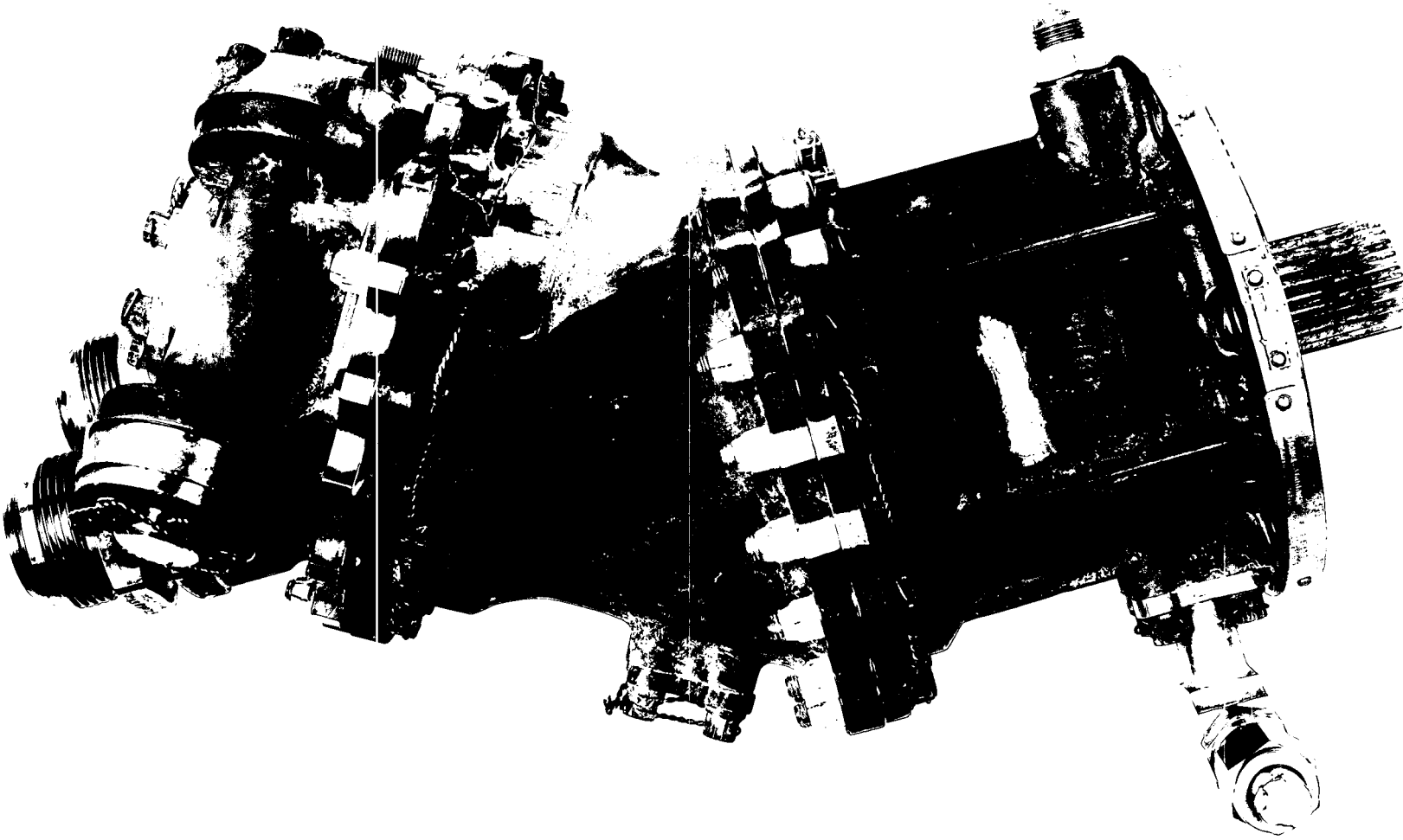
Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

FIGURE A-119

25X1

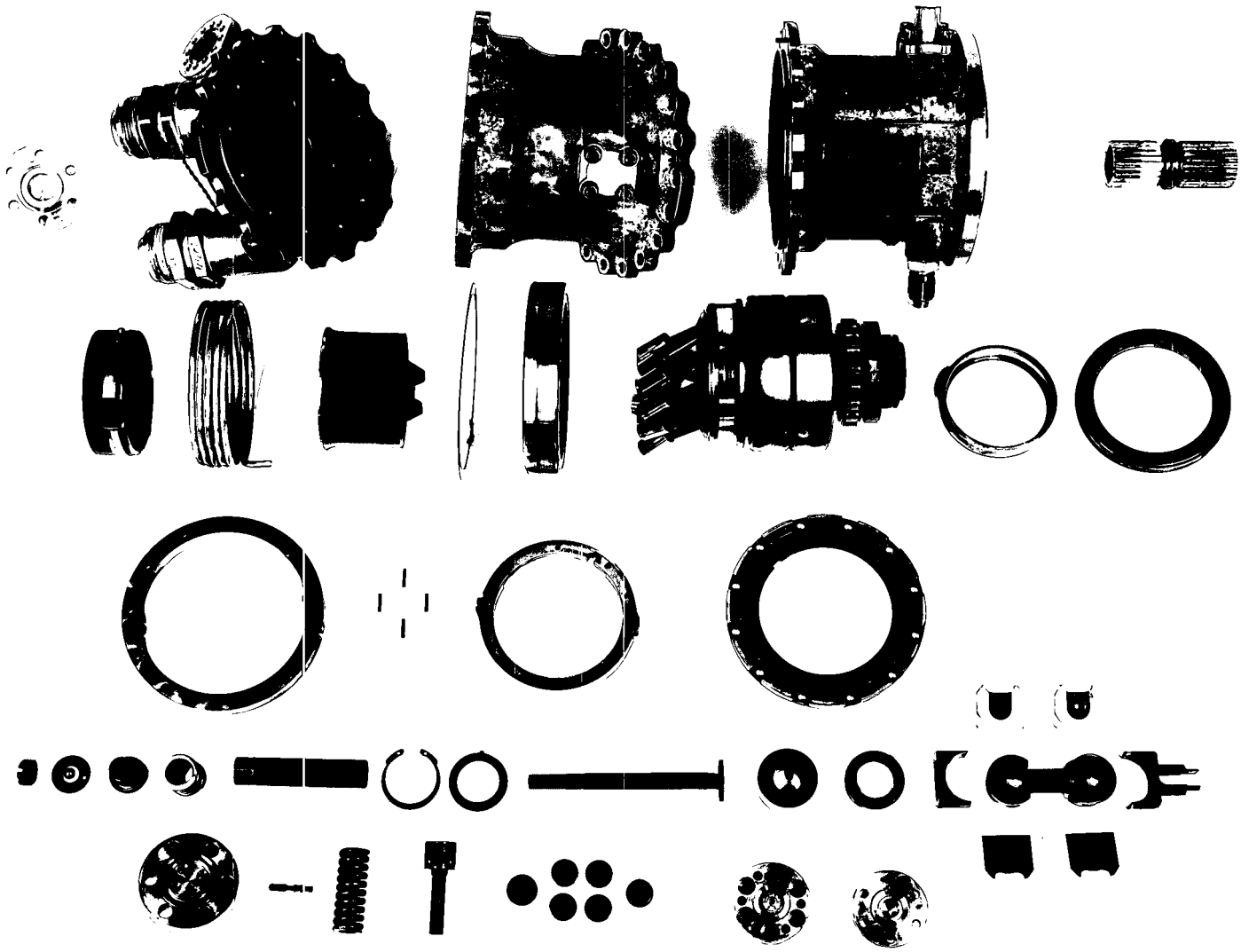
[redacted] 276463-F HYDRAULIC PUMP, [redacted] 2071075 S/N A03A021, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 6.67 HOURS TOTAL BENCH TIME, 76.06 HOURS TOTAL ENGINE TIME.

25X1

1/11/63 FX-116 FE 30437

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

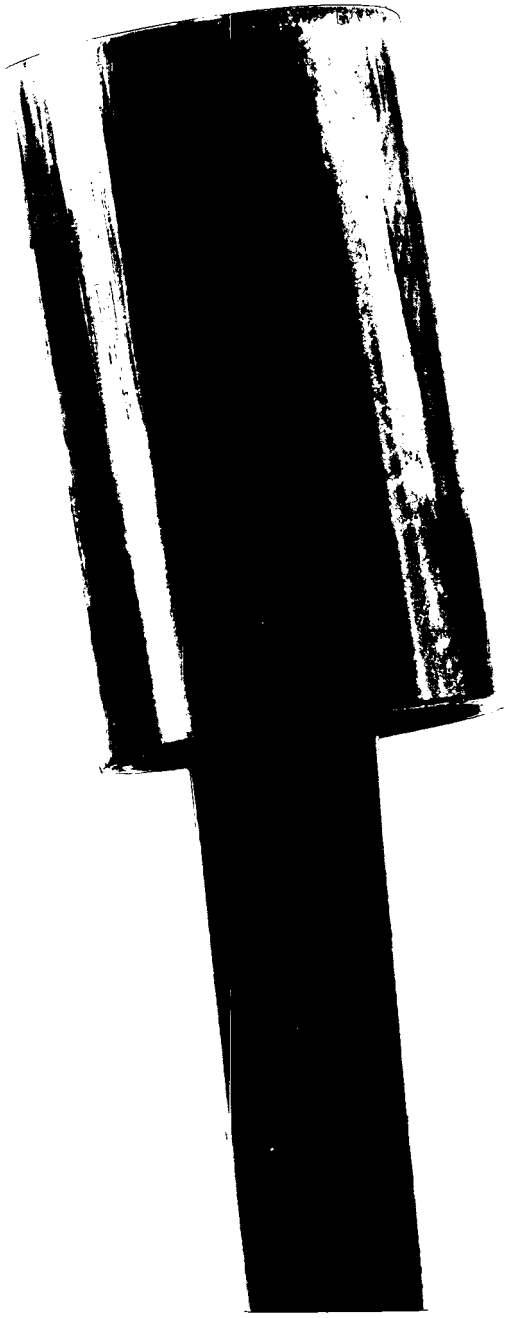
FIGURE A-120

25X1 [redacted] 276463-F HYDRAULIC PUMP, [redacted] 2071975 S/N A03A0 25X1
AFTER FLIGHT SUITABILITY TEST ON YJT-11D-20A ENGINE FX-116.
6.67 HOURS TOTAL BENCH TIME, 76.06 HOURS TOTAL ENGINE TIME.

1-30-63 FX-116 FE30754

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

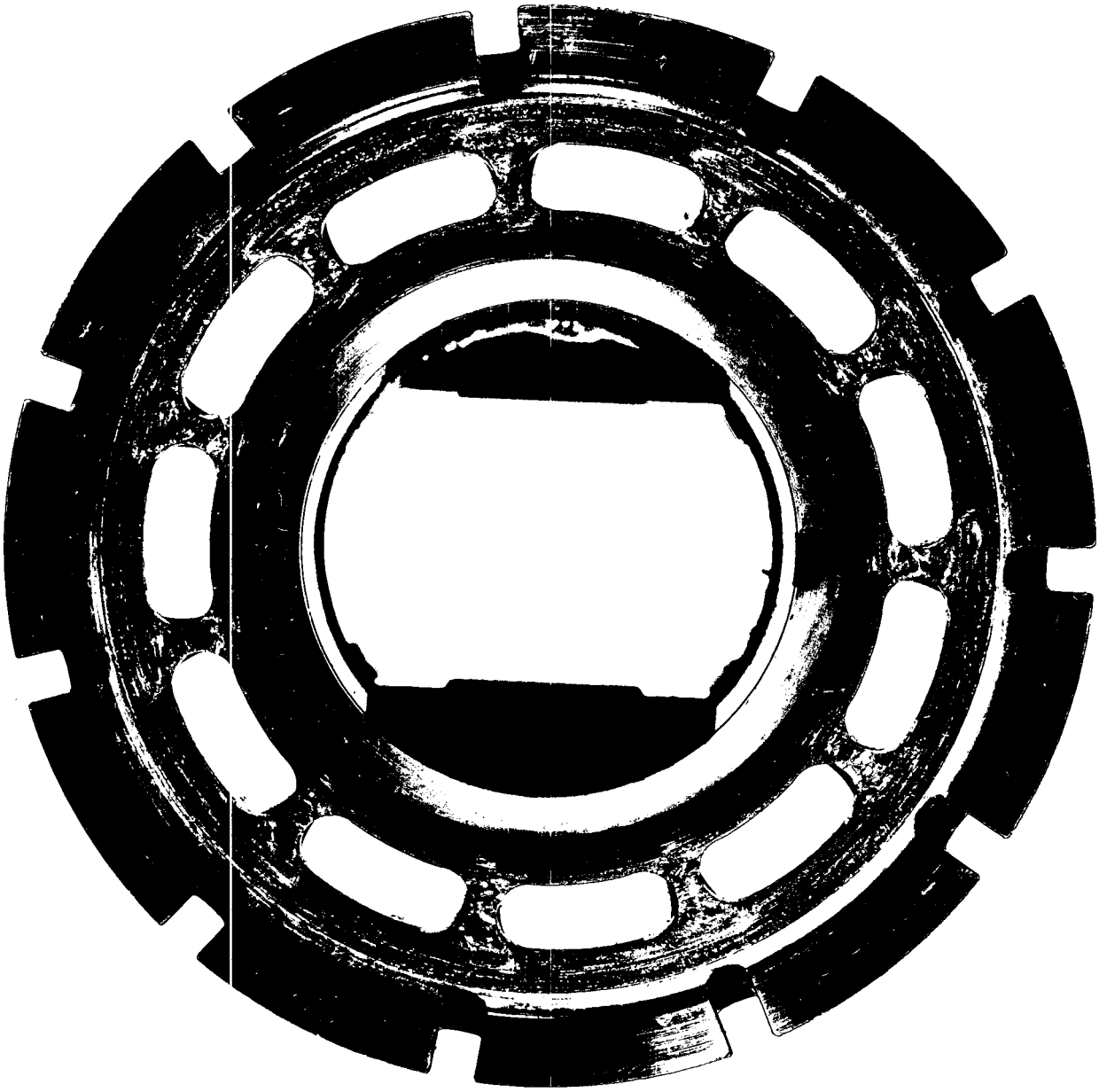
FIGURE A-121 APPROXIMATELY 5X MAGNIFICATION

25X1 [redacted] 276463-F HYDRAULIC PUMP, [redacted] 2071975 S/N 25X1
A03A02, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A
ENGINE FX-116, SHOWING TYPICAL PISTON. 6.67 HOURS TOTAL
BENCH TIME, 76.06 HOURS TOTAL ENGINE TIME.

1-30-63 FX-116 FE 30755

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

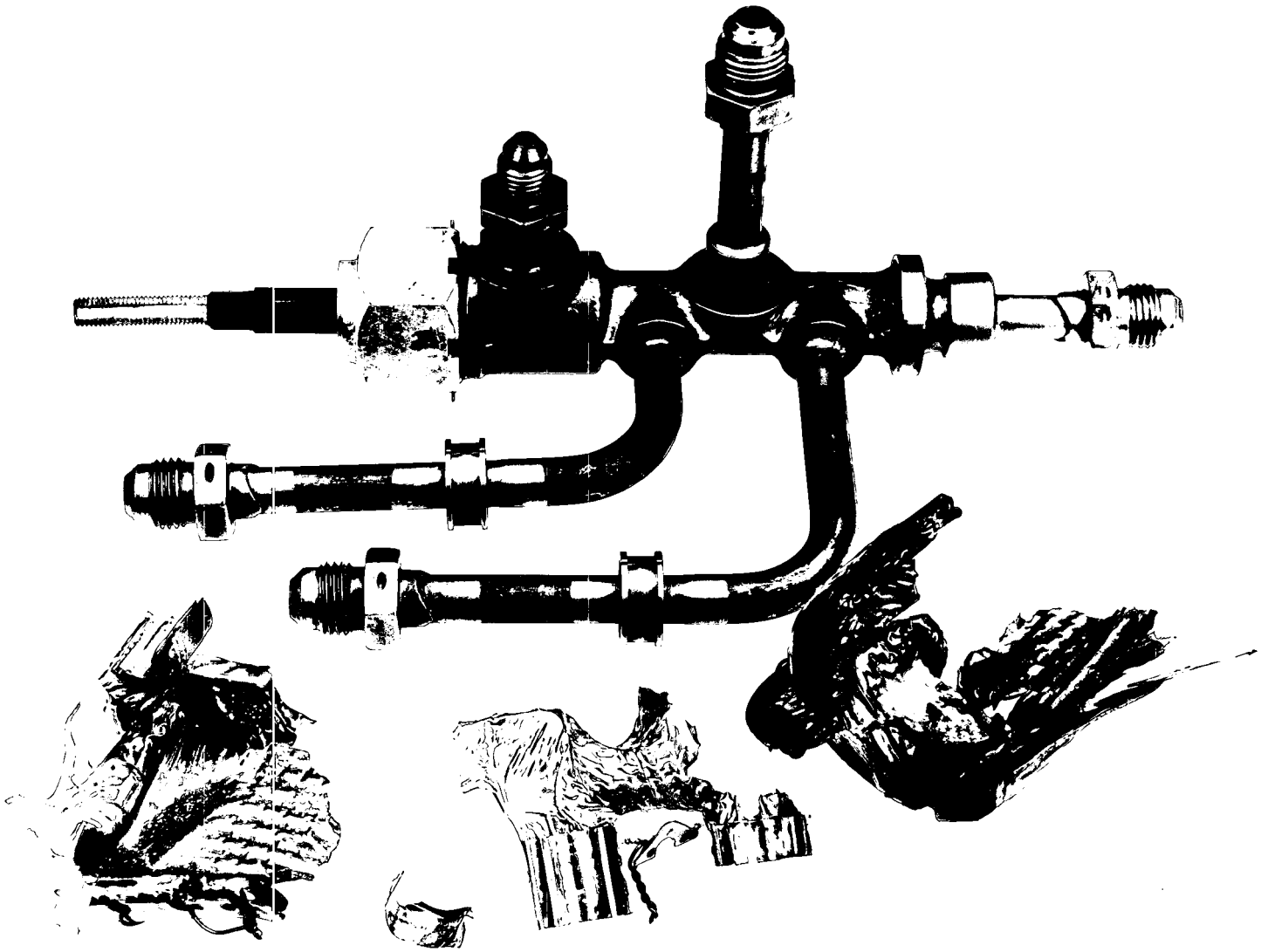
FIGURE A-122 APPROXIMATELY 2X MAGNIFICATION

[redacted] 276463-F HYDRAULIC PUMP, [redacted] 2071975 S/N A03A021, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116, SHOWING CYLINDER BLOCK FACE. 6.67 HOURS TOTAL BENCH TIME, 76.06 HOURS TOTAL ENGINE TIME. 25X1

1/21/63 FX-116 FE 30757

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

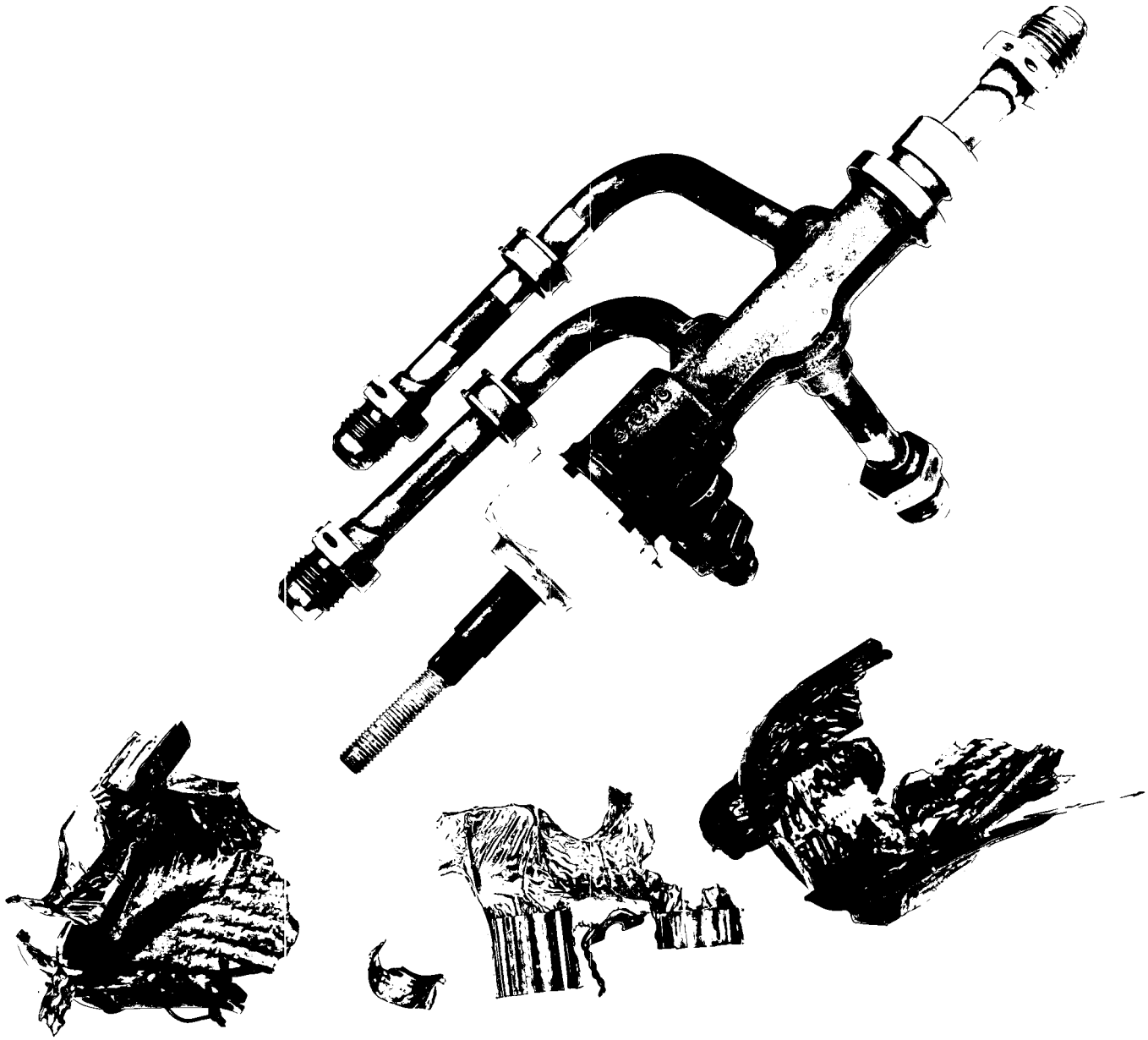
FIGURE A-123

25X1 [redacted] COMPRESSOR BYPASS BLEED PILOT VALVE,
25X1 [redacted] 2059392, S/N A41A034 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116, SHOWING VALVE AND HEATSHIELD. 7.34 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 30474

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

FIGURE A-124

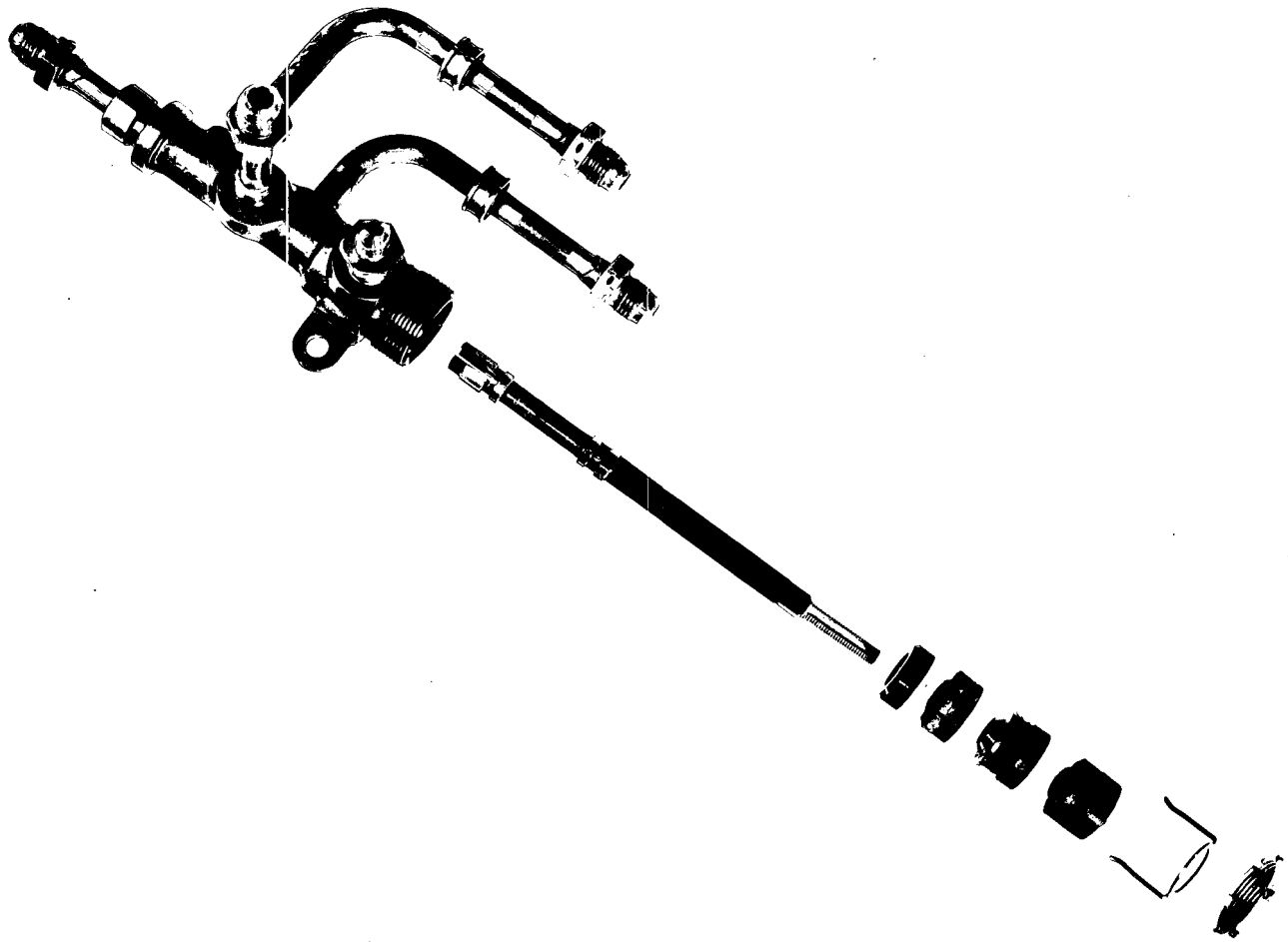
25X1
25X1

[redacted] COMPRESSOR BYPASS BLEED PILOT VALVE, [redacted] 2059392, S/N A41A034, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116, SHOWING VALVE AND HEAT-SHIELD. 7.34 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 30473

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

FIGURE A-125

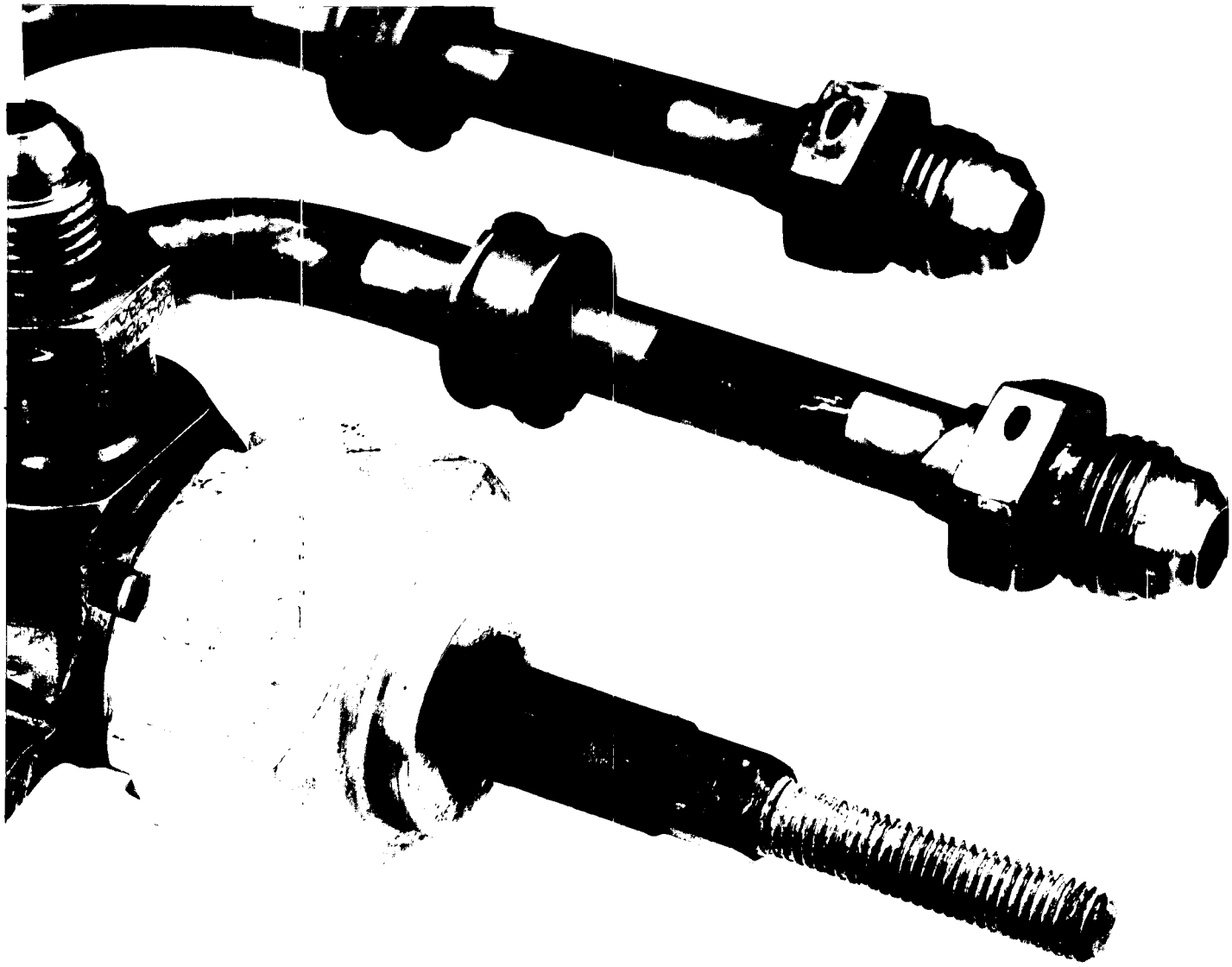
25X1
25X1

[redacted] COMPRESSOR BYPASS BLEED PILOT VALVE, [redacted] 2059392, S/N A41A034, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 . 7.34 HOURS TOTAL BENCH TIME 97.35 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 30780

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

FIGURE A-126 APPROXIMATELY 2X MAGNIFICATION

25X1

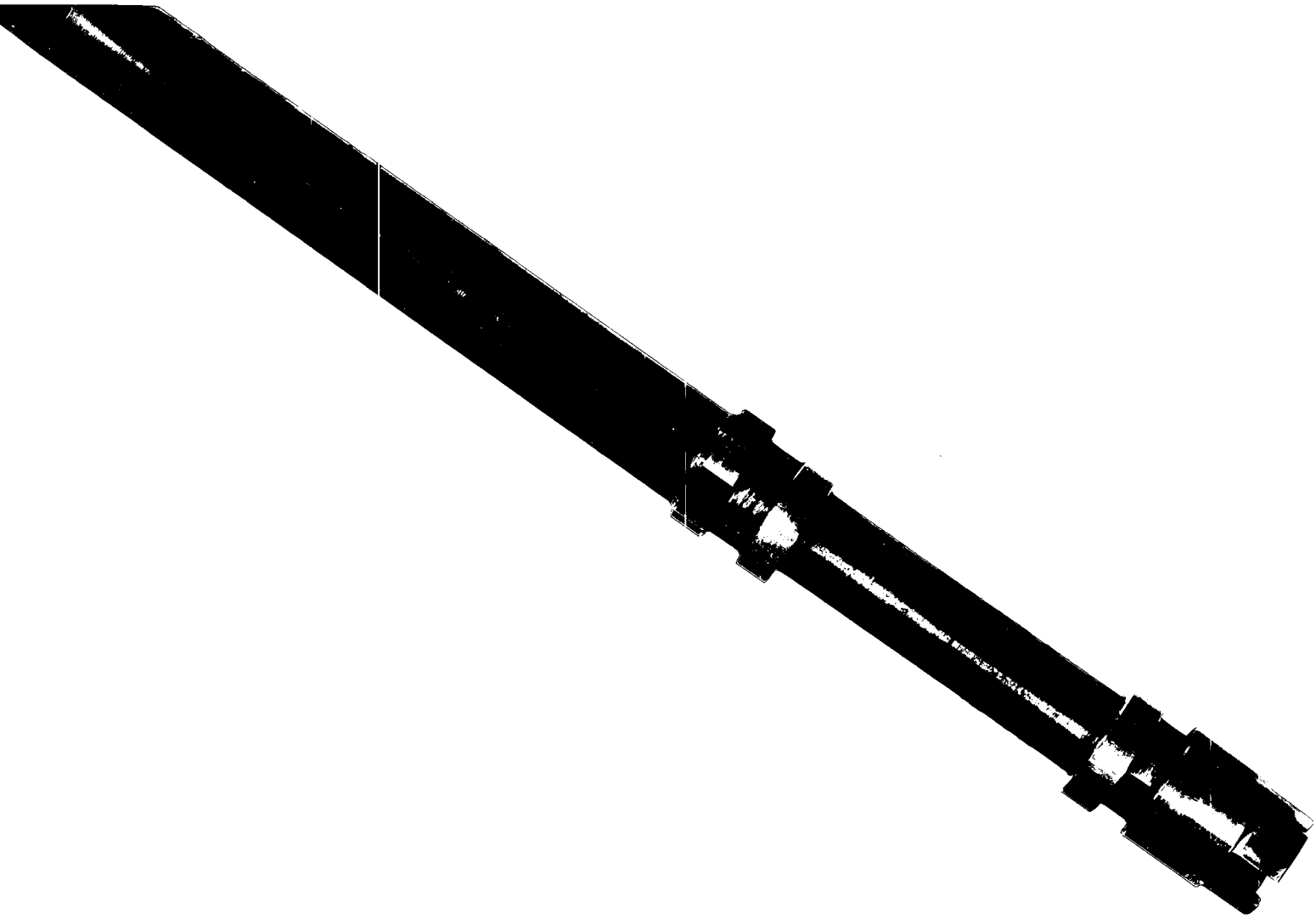
25X1

[redacted] COMPRESSOR BYPASS BLEED PILOT VALVE, [redacted] 2059392, S/N A41A034, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING SURFACE OF SPOOL VALVE STEM. 7.34 HOURS TOTAL BENCH TIME 97.35 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 30472

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

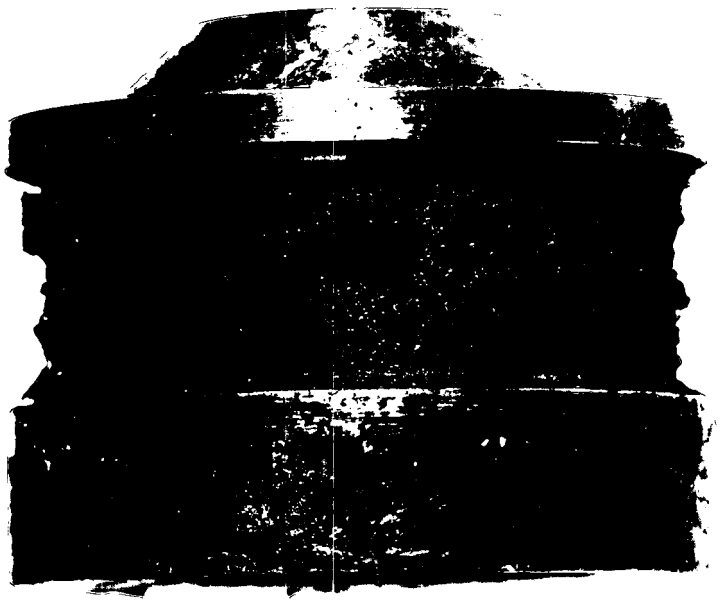
FIGURE A-127 APPROXIMATELY 2X MAGNIFICATION

25X1 [redacted] COMPRESSOR BYPASS BLEED PILOT
25X1 VALVE, [redacted] 2059392, S/N A41A034, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING SPOOL VALVE. 7.34 HOURS TOTAL BENCH TIME 97.35 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 30788

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

FIGURE A-128 APPROXIMATELY 5X MAGNIFICATION

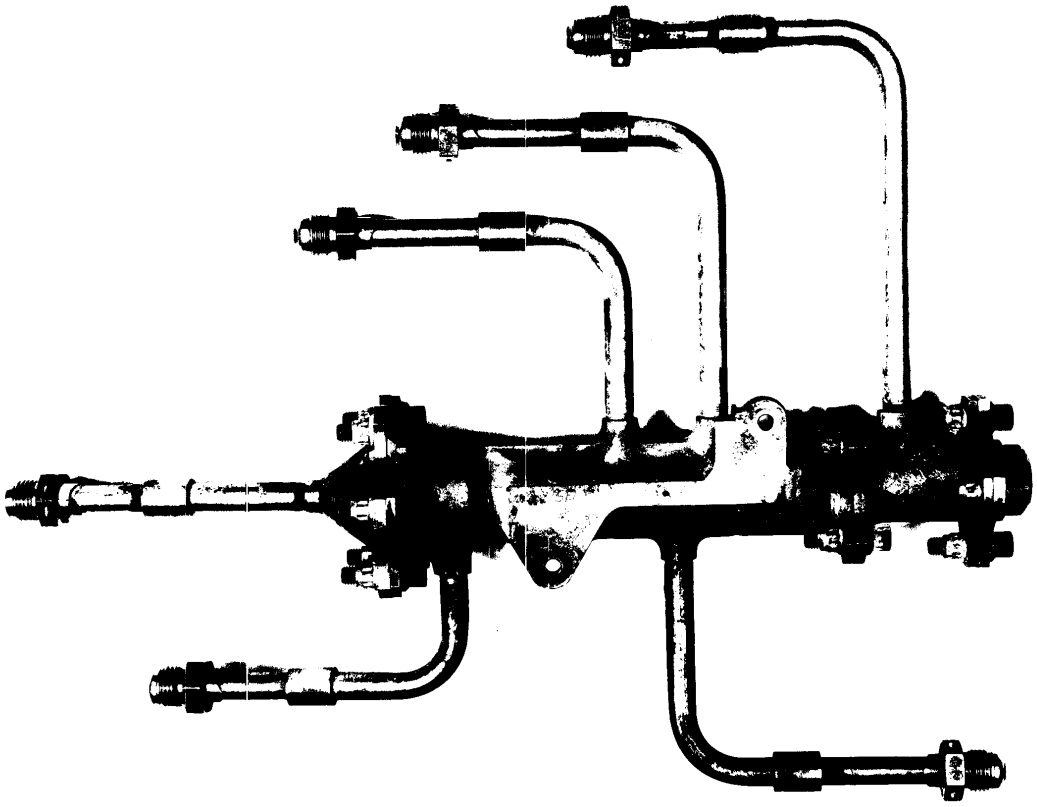
25X1
25X1

[redacted] COMPRESSOR BYPASS BLEED PILOT VALVE, [redacted] 2059392, S/N A41A034, AFTER FLIGHT SUITABILITY TEST ON YJ11D-20A ENGINE FX-116 SHOWING SEAL SPACER,. 7.34 HOURS TOTAL BENCH TIME 97.35 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 30789

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

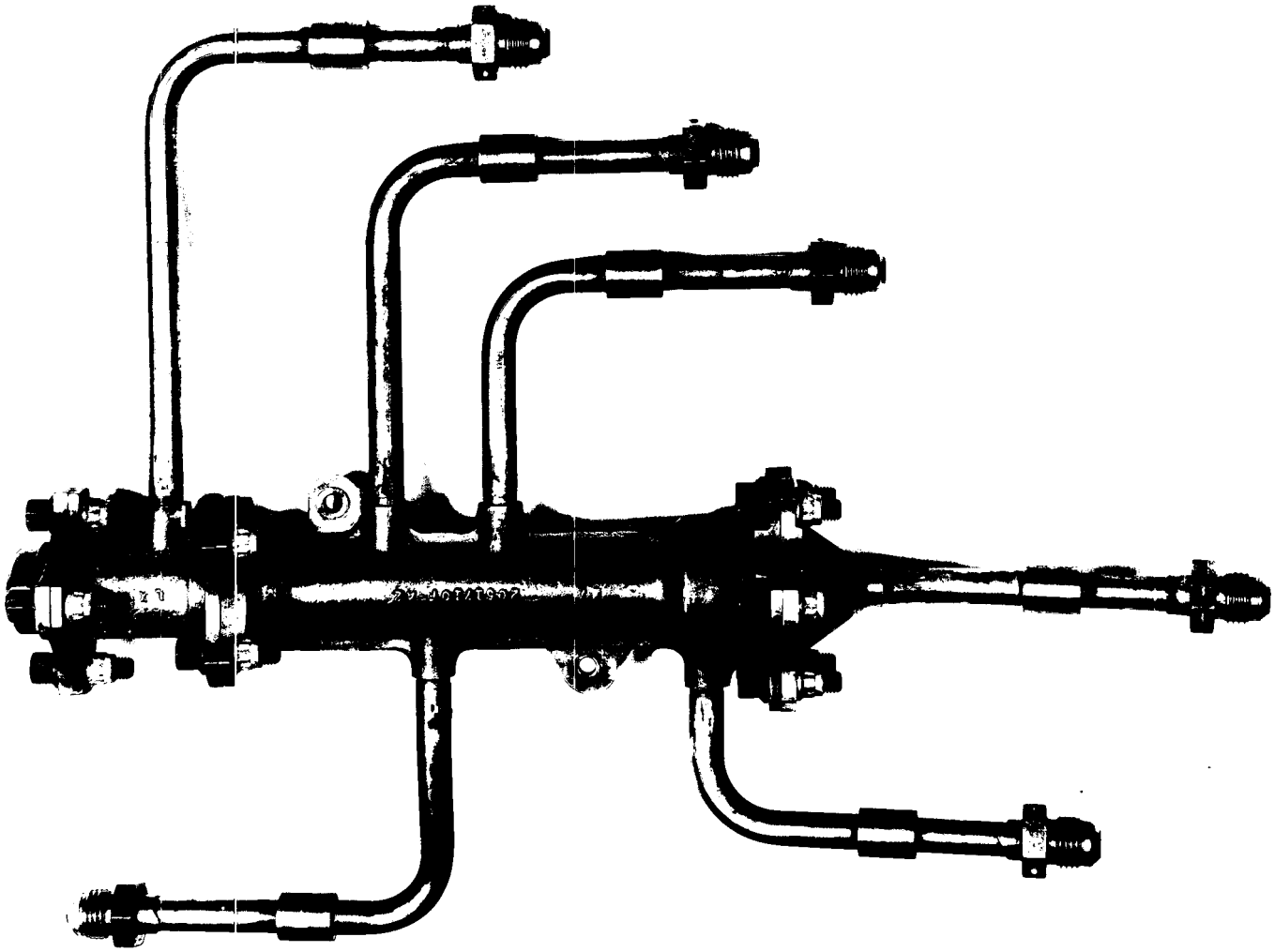
FIGURE A-129

[redacted] START BLEED PILOT VALVE, [redacted] 25X1
2051927 S/N A45A017, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 45.92 HOURS TOTAL BENCH TIME 97.35 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 30410

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

FIGURE A-130

[redacted] START BLEED PILOT VALVE, [redacted] 25X1
2051927, S/N A45A017, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 . 45.92 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 30411

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

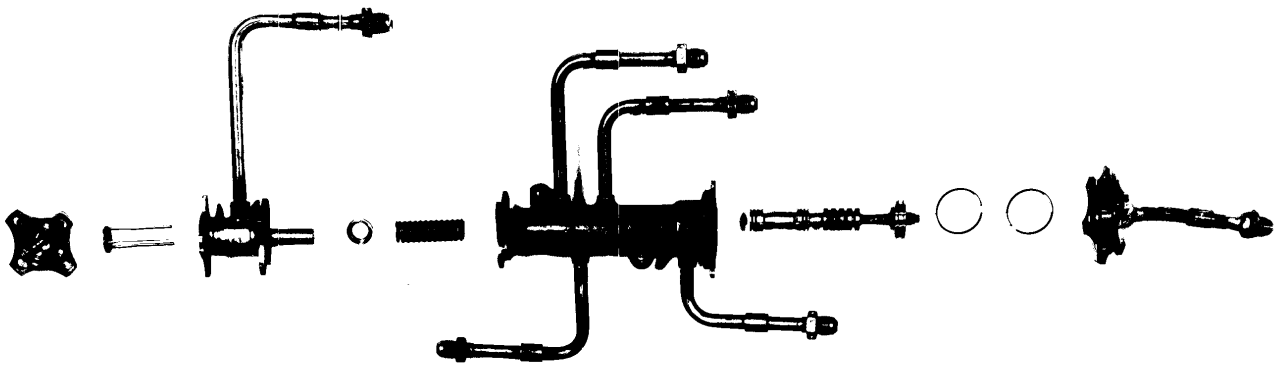


FIGURE A-131

25X1 [redacted] STARTER BLEED PILOT VALVE, [redacted] 2051927, 25X1
S/N A45A017, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE
FX-116. 45.92 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE
TIME.

1/30/63 FX-116 FE 30753

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

25X1

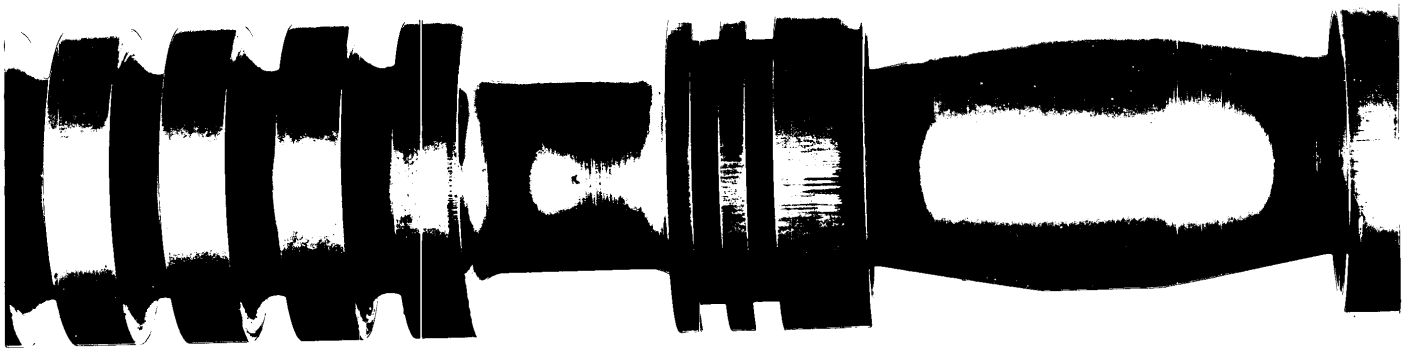
FIGURE A-132 APPROXIMATELY 2X MAGNIFICATION

25X1 [redacted] START BLEED PILOT VALVE, [redacted] 205192. 25X1
S/N A45A017, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE
FX-116 SHOWING SPOOL VALVE. 45.92 HOURS TOTAL BENCH TIME.
97.35 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 30792

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1
25X1

FIGURE A-133 APPROXIMATELY 3.5X MAGNIFICATION

[redacted] START BLEED PILOT VALVE, [redacted] 25X1
2051927, S/N A45A017 AFTER FLIGHT SUITABILITY TEST ON
YJT11D-20A ENGINE FX-116 SHOWING SPOOL VALVE. 45.92
HOURS TOTAL BENCH TIME. 97.35 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 30793

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

COMPRESSOR BYPASS BLEED & START BLEED ACTUATOR CALIBRATIONS

	S/N A26A236		S/N A26A237		S/N A26A238		S/N A26A239		S/N A26A240		S/N A26A241		S/N A26A242	
	Before Test	After Test	Before Test	After Test	Before Test	After Test	Before Test	After Test	Before Test	After Test	Before Test	After Test	Before Test	After Test
Cooling Flow Open - pph	79	85	80	80	82	80	79	82	82	82	88	180	160	167
Cooling Flow Closed - pph	86	90	76	93	76	85	72	87	79	123	78	93	97	95
OVBD Drain Leakage - Open - Drops/Min	0	15	0	10	0	18	0	18	0	10	0	10	0	27
OVBD Drain Leakage - Closed - Drops/Min	0	0	0	0	0	1	0	2	0	0	0	2	0	1
Press to Open - psi	120	140	90		70	100	100	48	85	142	140	50	95	64
Press to Close - psi	100	120	70	85	50	110	90	62	70	130	95	45	105	58
Shaft Travel - Inches	2.006	2.004	2.002	1.998	2.006	2.018	2.005		1.999		2.005	2.000	2.002	

ENGINE/RIG NO FX-116 DATE
TYPE YJT11D-20A DRAWN BY
STAND NO. C-4 CURVE NO. DR 13777
TEST DATE 12-28-62 thru 1-4-63

Compressor Bypass & Start Bleed Actuators, P/N 2064350, Calibrations for YJT11D-20 Flight Suitability Test

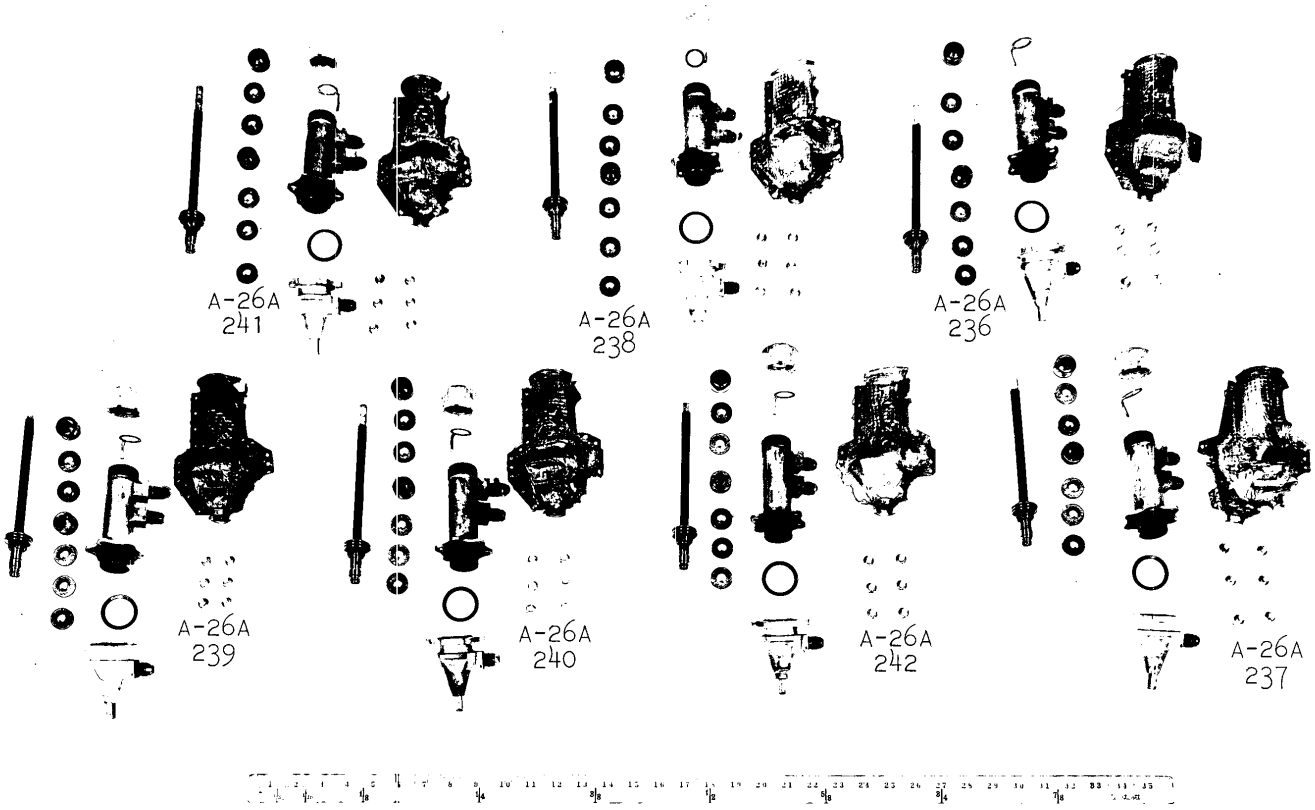
FIGURE A-134

25X1

25X1

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

FIGURE A-135

25X1

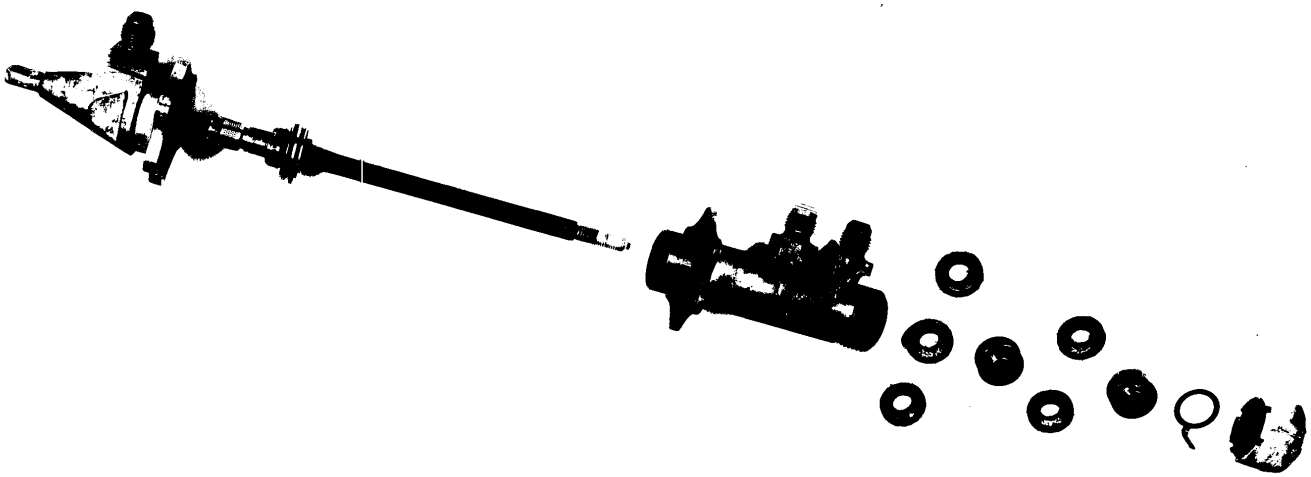
[redacted] COMPRESSOR BLEED ACTUATORS [redacted] 2064350, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 76.06 HOURS TOTAL ENGINE TIME.

25X1

1/31/63 FX-116 FE 30525 A

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1
25X1

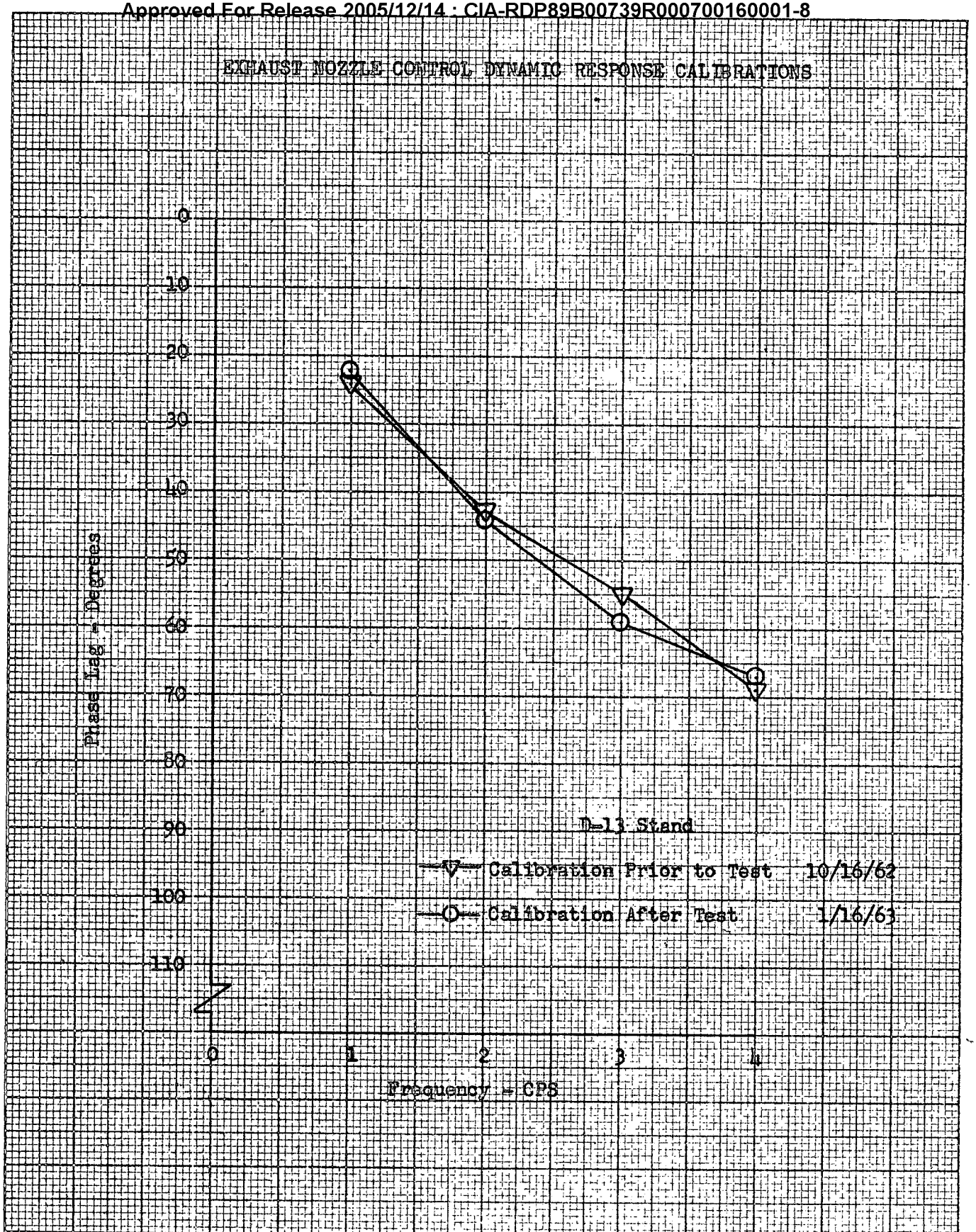
FIGURE A-136

[redacted] COMPRESSOR BLEED ACTUATOR, [redacted] 25X1
2064350, S/N A26A242 AFTER FLIGHT SUITABILITY TEST ON
YJT11D-20A ENGINE FX-116 76.06 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 30762

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1 Exhaust Nozzle Control 581777L-5
25X1 2068802 S/N A08-A028 Bench Calibrations
for Flight Suitability Test

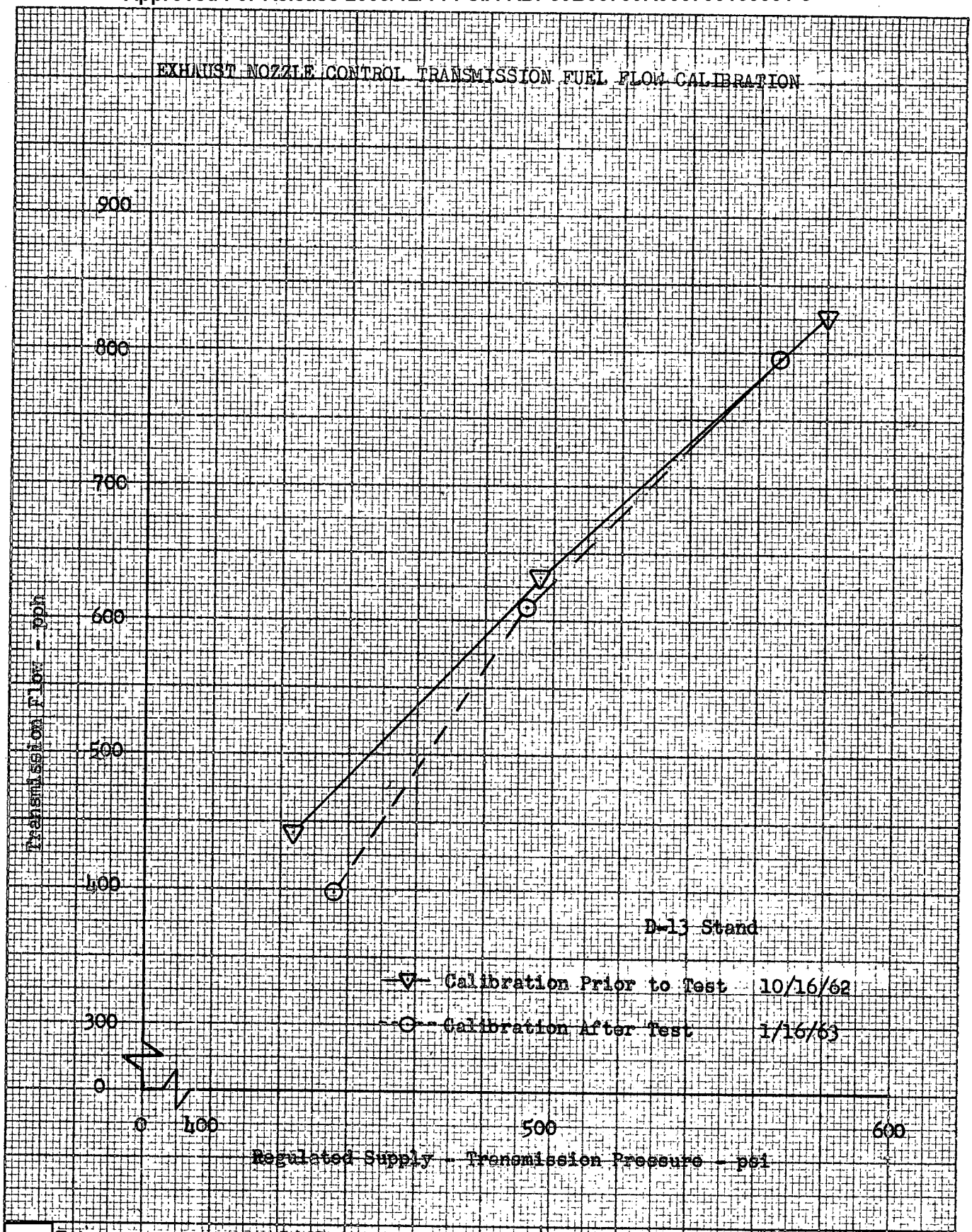
25X1

ENG/RIG NO. FX-116	DATE 1/31/63
TYPE YJT11D-20A	DRAWN BY
STAND NO. C-4	CURVE NO. DF-21133
TEST DATE 12/28/62 thru 1/4/63	

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

FIGURE A-137

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



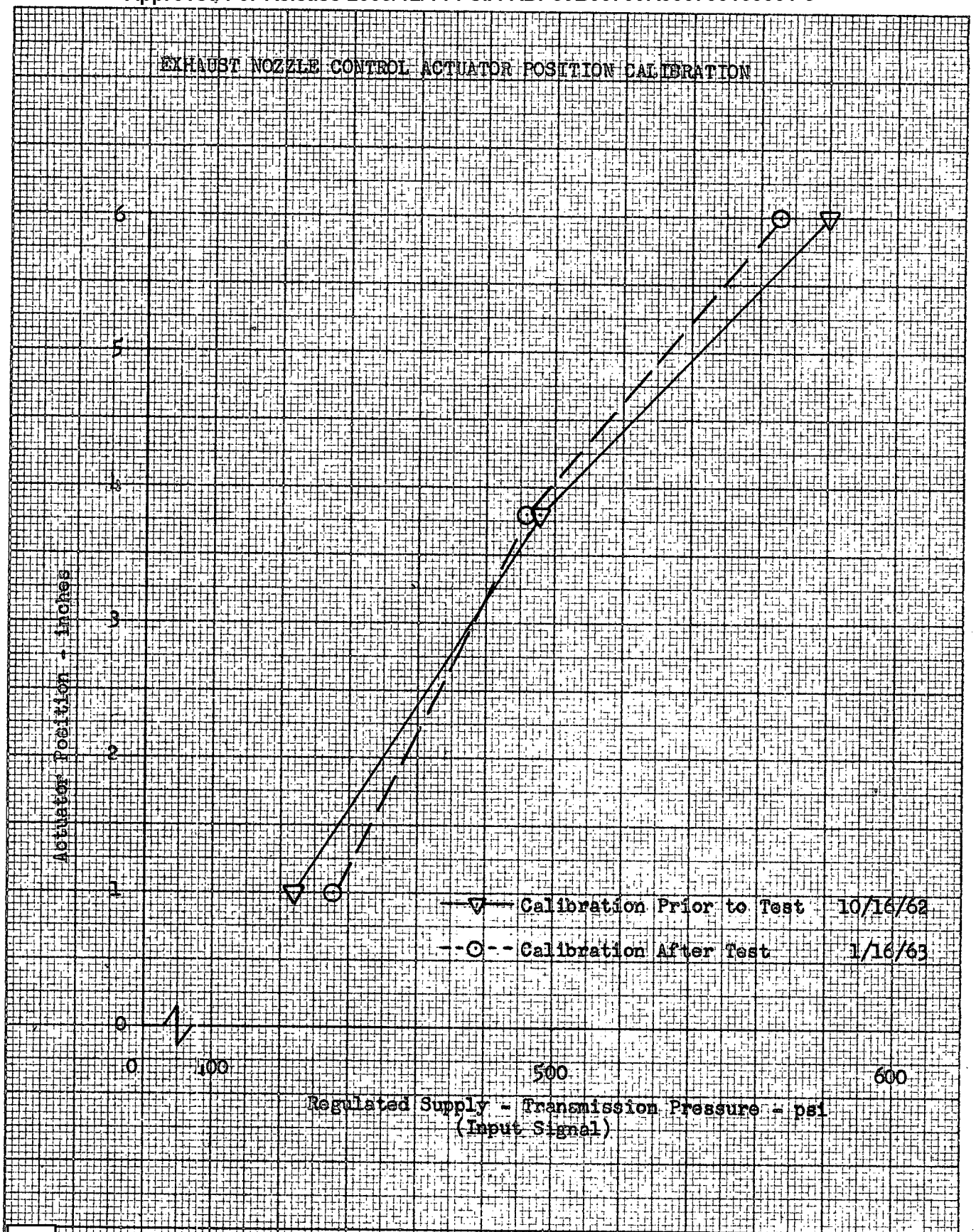
25X1 Exhaust Nozzle Control 581777L-5
25X1 2068802 S/N A08-A028 Bench Calibrations
For Flight Suitability Test
25X1

ENG/RIG NO. FX-116	DATE 1/31/63
TYPE YJT11D-20A	DRAWN BY
STAND NO. C-4	CURVE NO. DF-21434
TEST DATE 12/28/62	thru 1/4/63

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

FIGURE A-138

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1 Exhaust Nozzle Control 581777L-5
25X1 2068802 S/N A08-A028 Bench Calibrations
For Flight Suitability Test

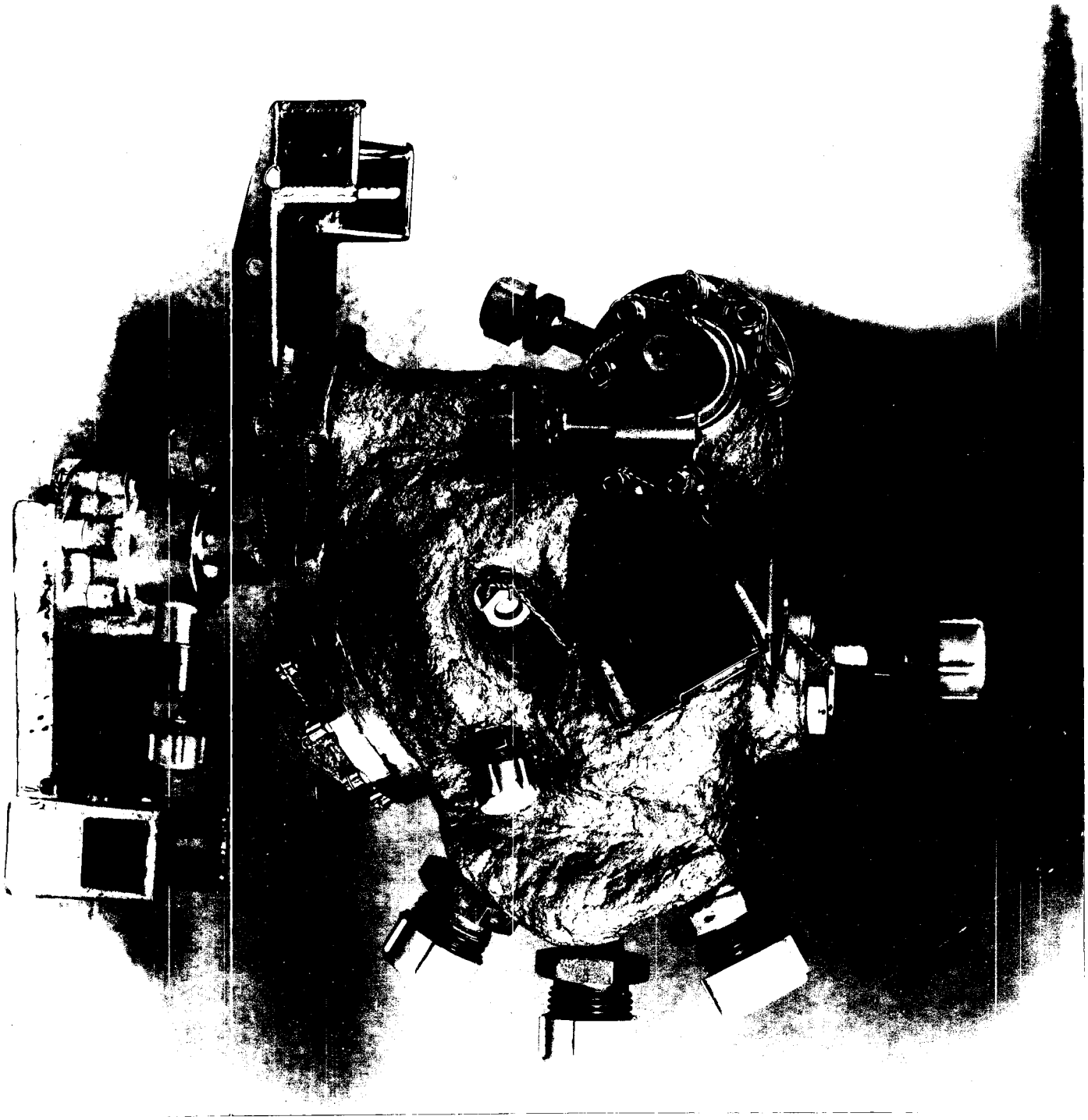
25X1

ENG/RIG NO. FX-116	DATE 1/31/63
TYPE YJT11D-20A	DRAWN BY
STAND NO. C-4	CURVE NO. DF-21135
TEST DATE 12/28/62 thru 1/4/63	

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

FIGURE A-139

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1
25X1
25X1

FIGURE A-140

[redacted] EXHAUST NOZZLE CONTROL ENC 581777L5, [redacted] 2068802, S/N A08A028, PRIOR TO FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 1.83 HOURS TOTAL BENCH TIME, 0 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 28439

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

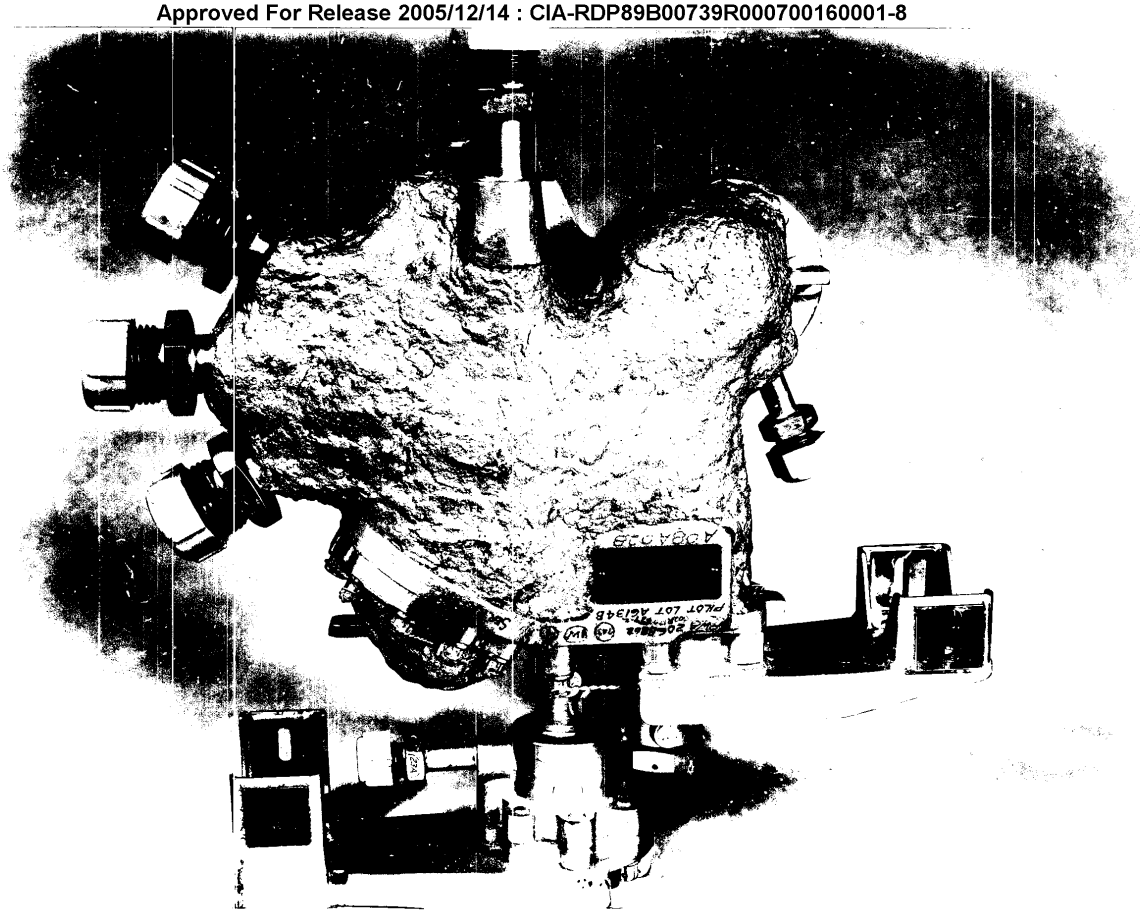


FIGURE A-141

25X1

25X1

25X1

[redacted] NOZZLE CONTROL 581777 L5, [redacted] 2068802, S/N A08A028, PRIOR TO FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 1.83 HOURS TOTAL BENCH TIME, 0 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 28440

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

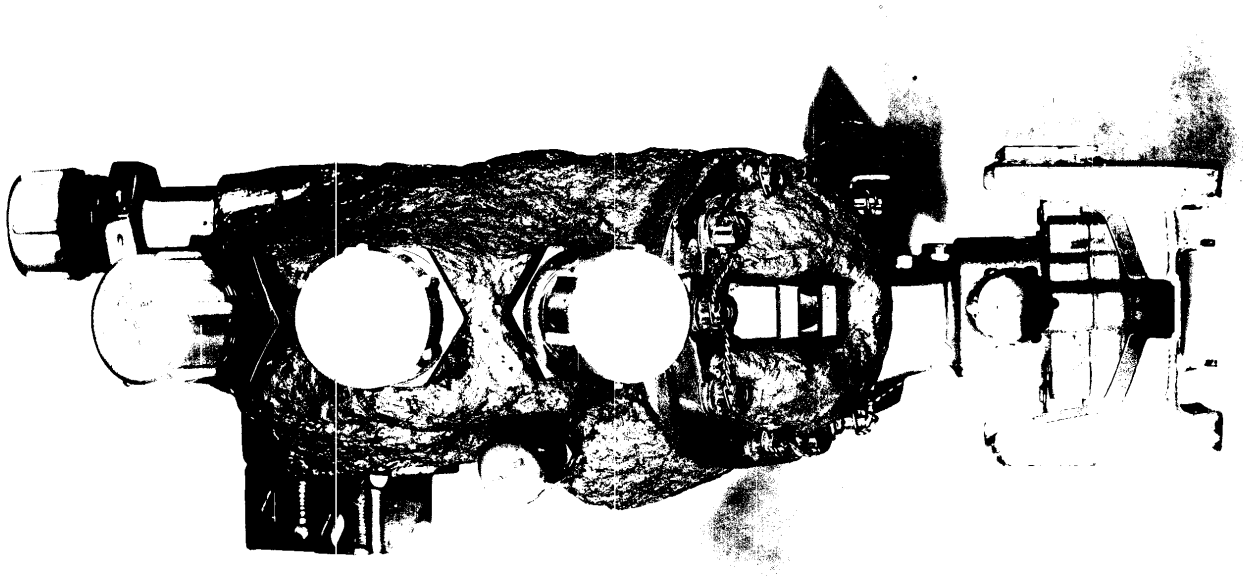


FIGURE A-142

25X1
25X1

[redacted] NOZZLE CONTROL 581777L5, [redacted] 25X1
2068802, S/N A08A028, PRIOR TO FLIGHT SUITABILITY TEST
ON YJT11D-20A ENGINE FX-116. 1.83 HOURS TOTAL BENCH
TIME. 0 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 28437

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

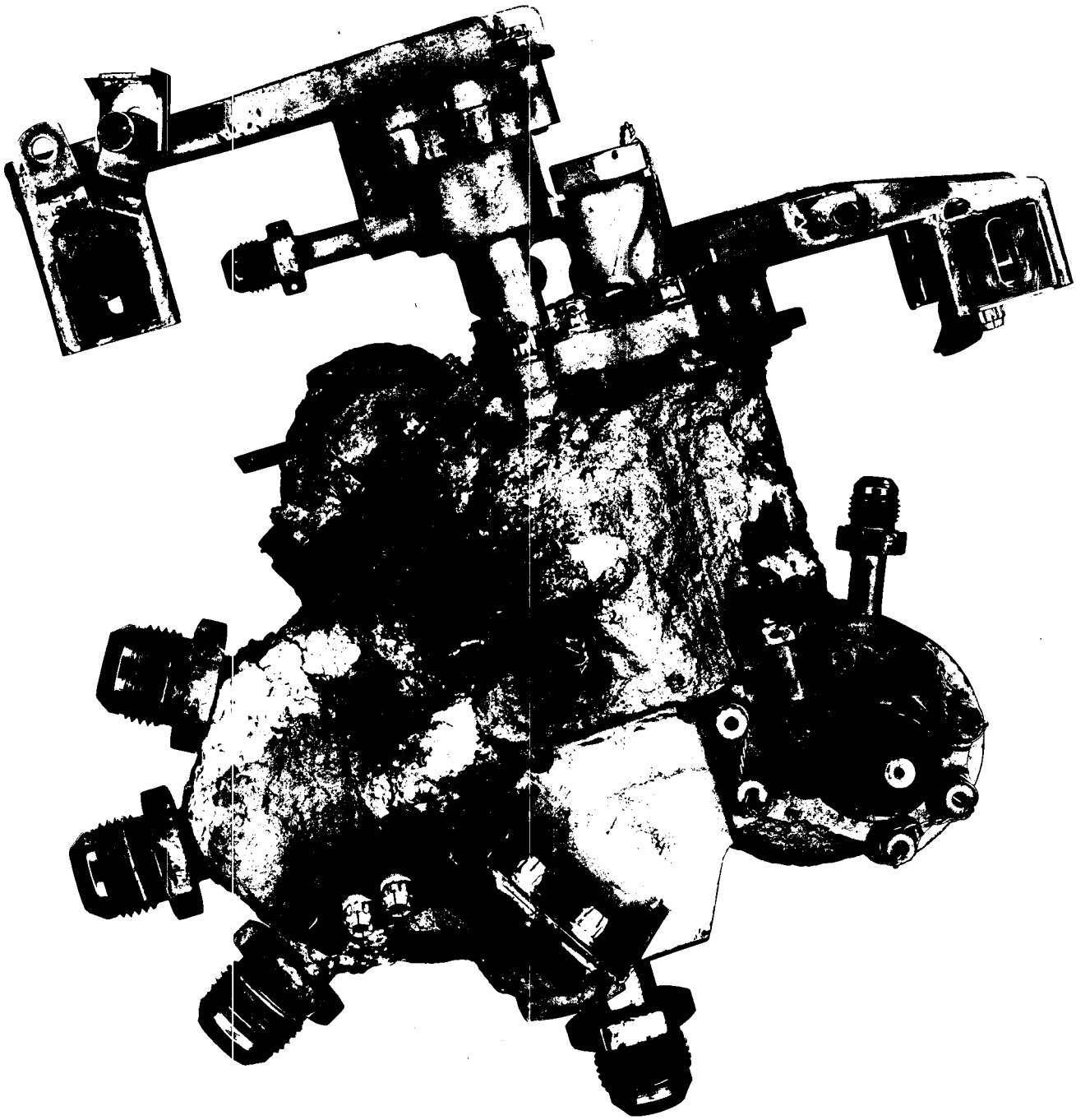


FIGURE A-143

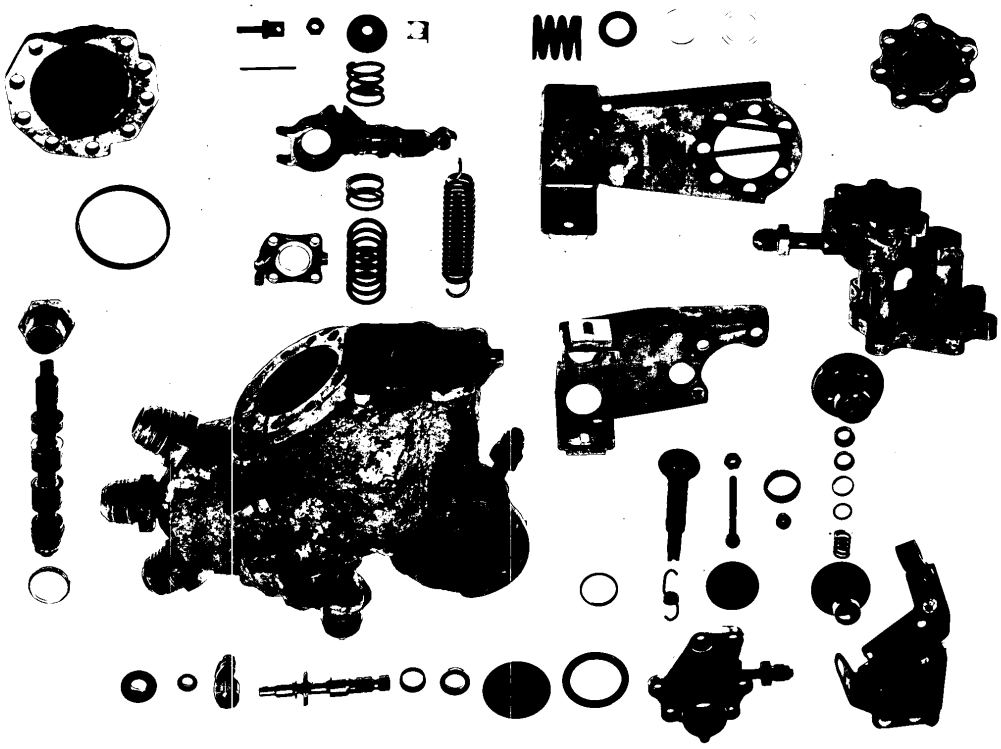
25X1
25X1

[redacted] NOZZLE CONTROL 581777 L5
[redacted] 2068802, S/N A08-A028, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 4.08 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 30601

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

25X1

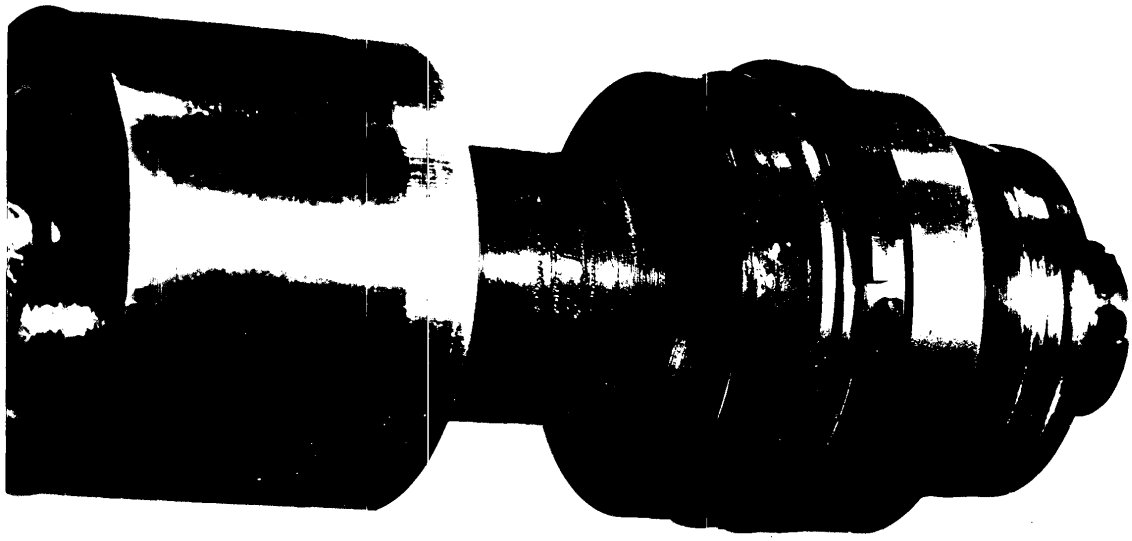
FIGURE A-144

[redacted] NOZZLE CONTROL 581777L5
[redacted] 2068802, S/N A08-A028, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 408 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 31082

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

FIGURE A-145 APPROXIMATELY 4.5X MAGNIFICATION

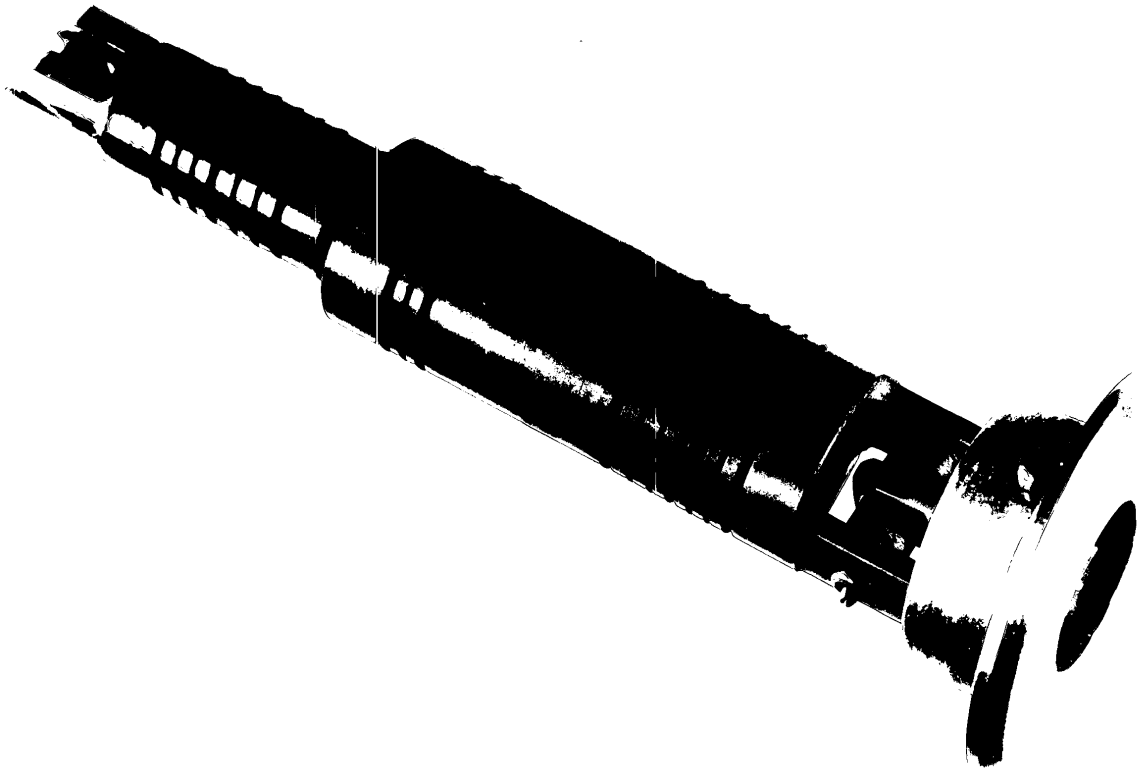
[redacted] 581777L5, [redacted]2068802, S/N A08-A028, SHOWING PILOT VALVE AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 4.08 HOURS TOTAL BENCH TIME , 97.35 HOURS TOTAL ENGINE TIME.

25X1

1/31/63 FX-116 FE 30701

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

25X1

FIGURE A-146 APPROXIMATELY 2.5X MAGNIFICATION

[redacted] NOZZLE CONTROL ENC 581777 L5. [redacted] 2068802, S/N A08-A028, AFTER FLIGHT SUITABILITY TEST ON YJT11D-2CA ENGINE FX-116 SHOWING HALF AREA SERVO. 4.08 HOURS TOTAL BENCH TIME , 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 31080

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

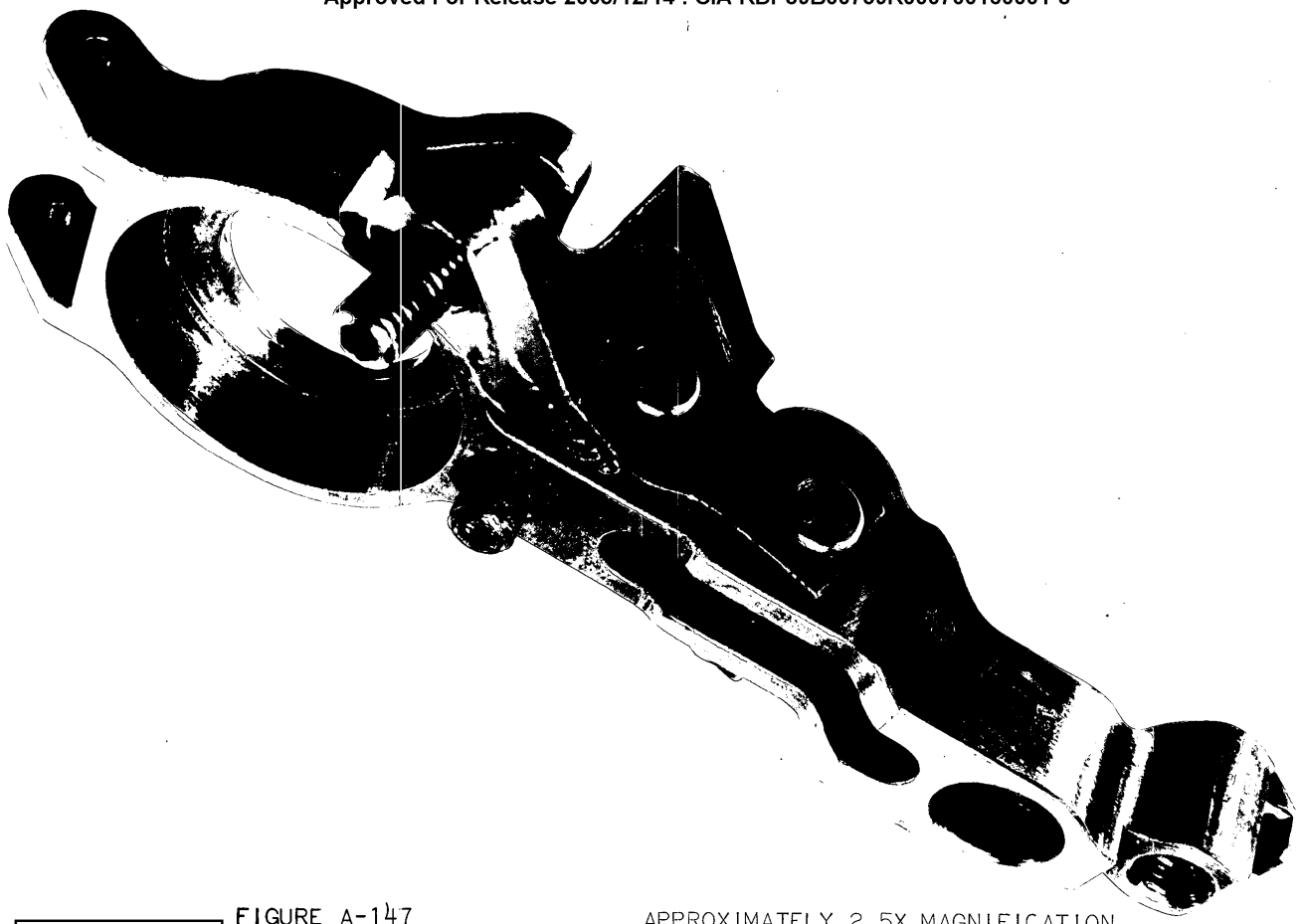


FIGURE A-147 APPROXIMATELY 2.5X MAGNIFICATION

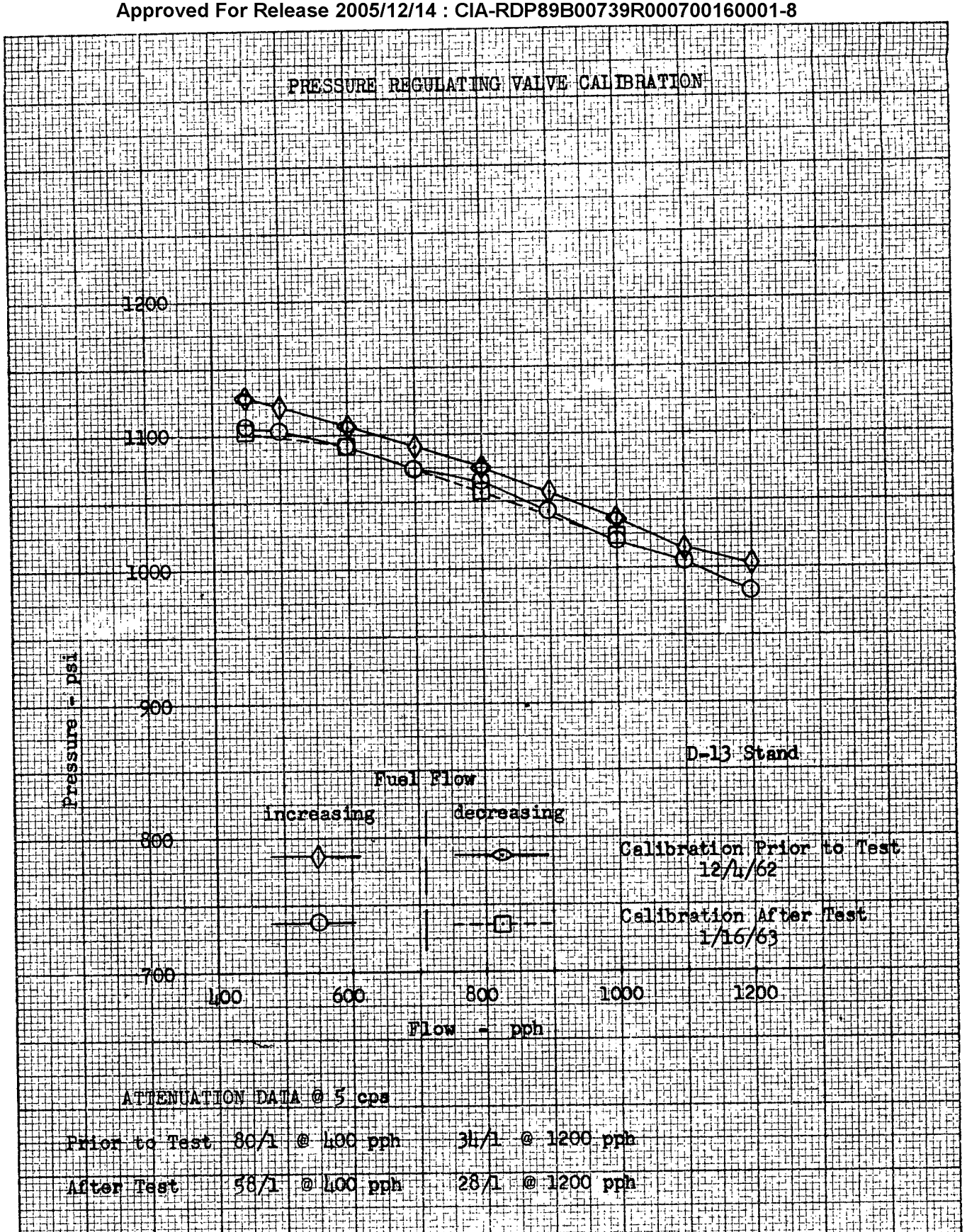
25X1
25X1
25X1

[redacted] NOZZLE CONTROL ENC 581777L5,
[redacted] 2068802, S/N A08-A028, AFTER FLIGHT SUITABILITY TEST
ON YJT11D-20A ENGINE FX-116 SHOWING FEEDBACK LEVER.
4.08 HOURS TOTAL BENCH TIME. 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 31081

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



ATTENUATION DATA @ 5 cps

Prior to Test	80/1 @ 400 pph	34/1 @ 1200 pph
After Test	58/1 @ 400 pph	28/1 @ 1200 pph

Pressure Regulating Valve 580888L-2
2067253 S/N A44-A028 Bench Calibrations
for Flight Suitability Test

ENG/RIG NO FX-116 DATE 2/1/63
TYPE YJT11D-20A DRAWN BY
STAND NO C-4 CURVE NO DF-21436
TEST DATE 12/28/62 thru 1/4/63

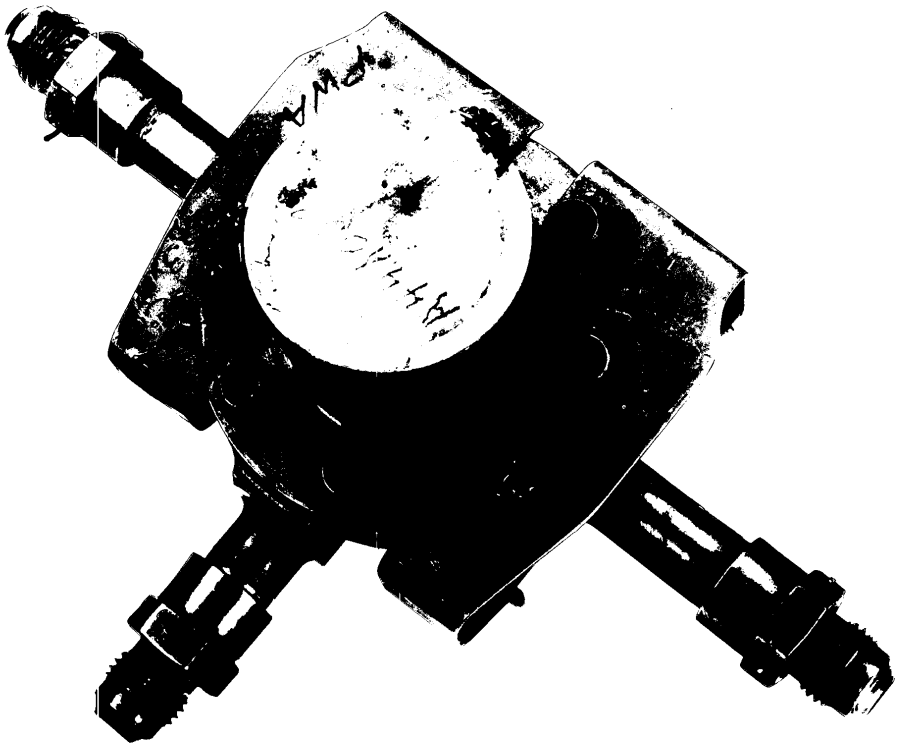
25X1

25X1

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

FIGURE A-148

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

25X1

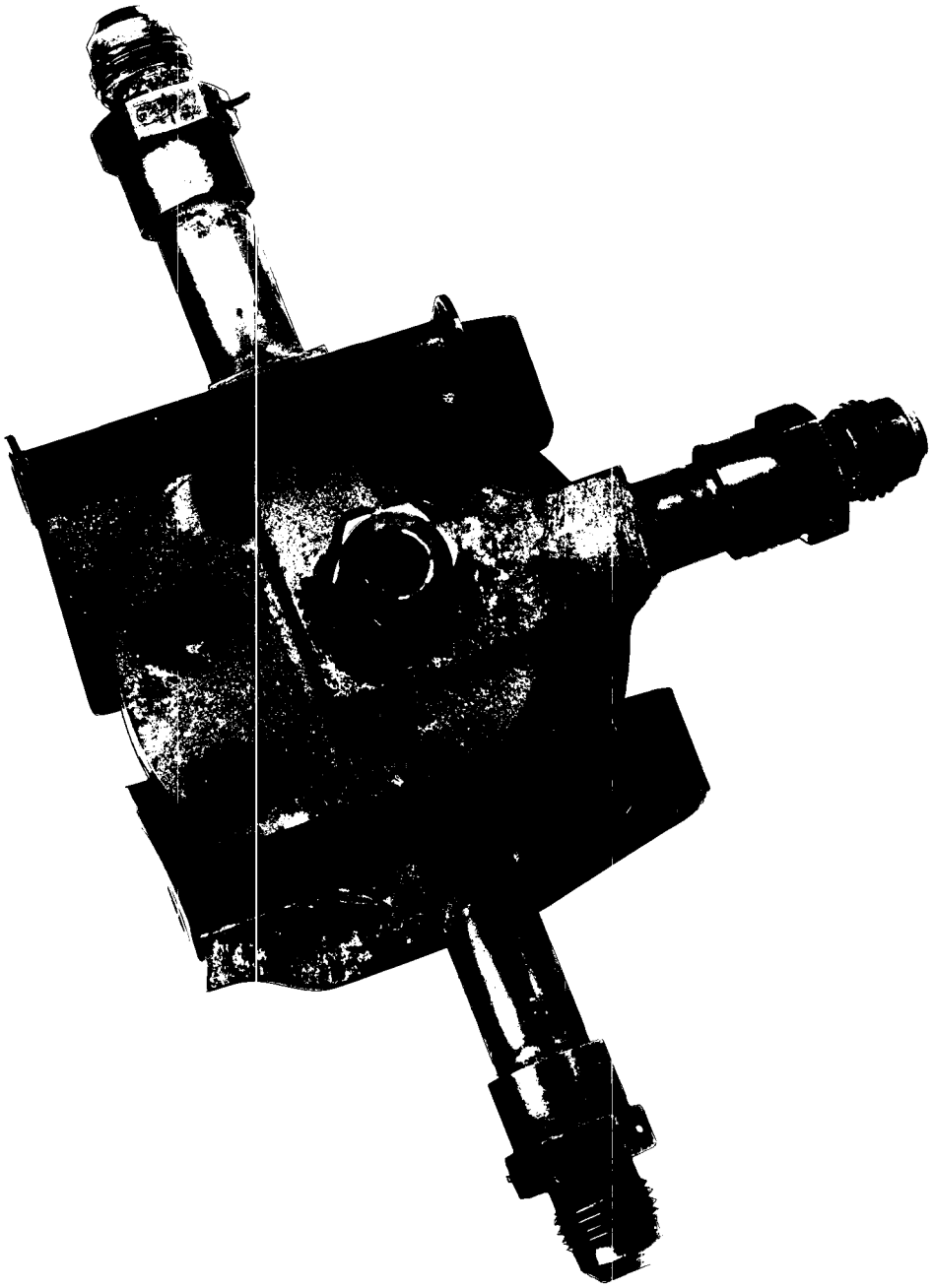
FIGURE A-149

[redacted] PRESSURE REGULATING VALVE (PRV) 580888L2, [redacted] 2067253, S/N A44-A028 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 14.63 HOURS TOTAL BENCH TIME 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 30608

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

FIGURE A-150

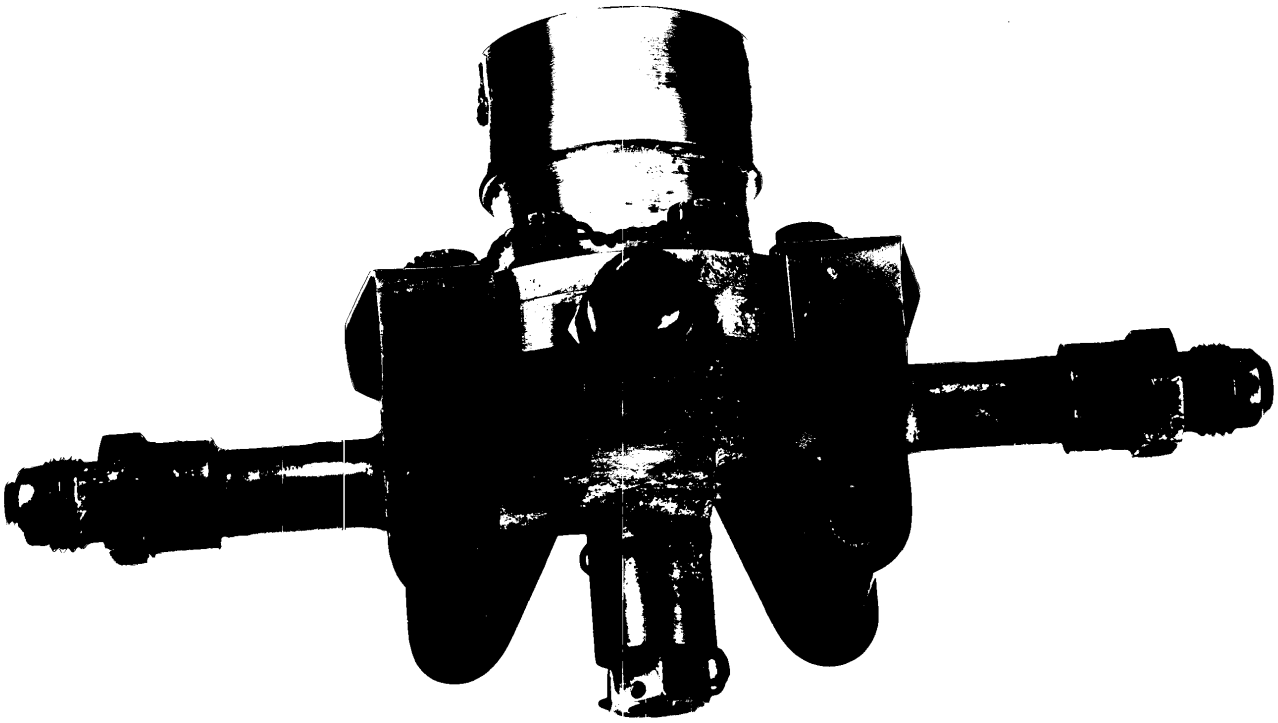
25X1
25X1

[redacted] PRESSURE REGULATING VALVE (PRV) 580888L2, [redacted] 2067253, S/N A44-A028, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 14.68 HOURS TOTAL BENCH TIME , 97.35 HOURS TOTAL ENGINE TIME.

1/15/63 FX-116 FE 30609

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

FIGURE A-151

25X1
25X1

[redacted] PRESSURE REGULATING VALVE (PRV) 580888 L2, [redacted] 2067253, S/N A44-A028 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 14.68 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 30610

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

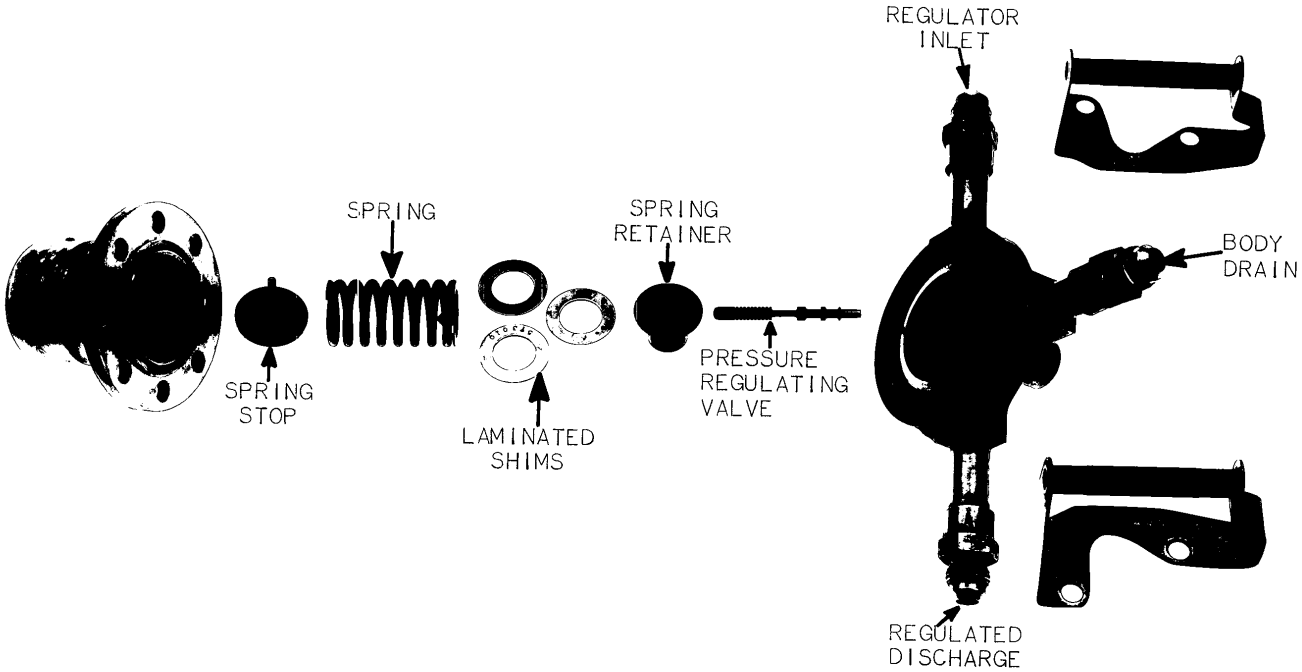


FIGURE A-152

25X1
25X1
25X1

[redacted] PRESSURE REGULATING VALVE (PRV) 580888L2, [redacted] 2067253 S/N A44-A028 AFTER FLIGHT SUITABILITY TEST ON YJ11D-20A ENGINE FX-116. 14.68 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 30964 A

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

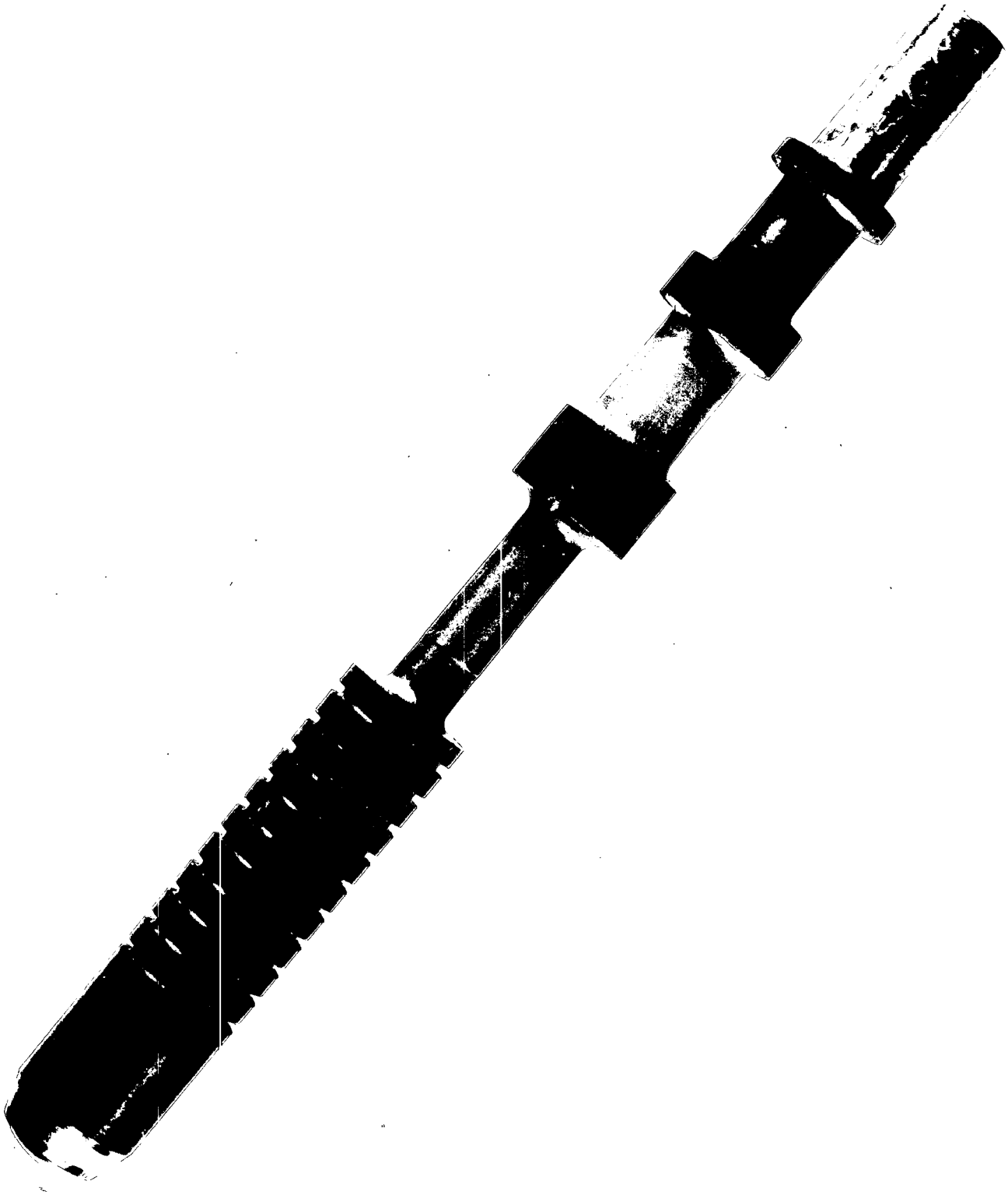


FIGURE A-153 APPROXIMATELY 5X MAGNIFICATION

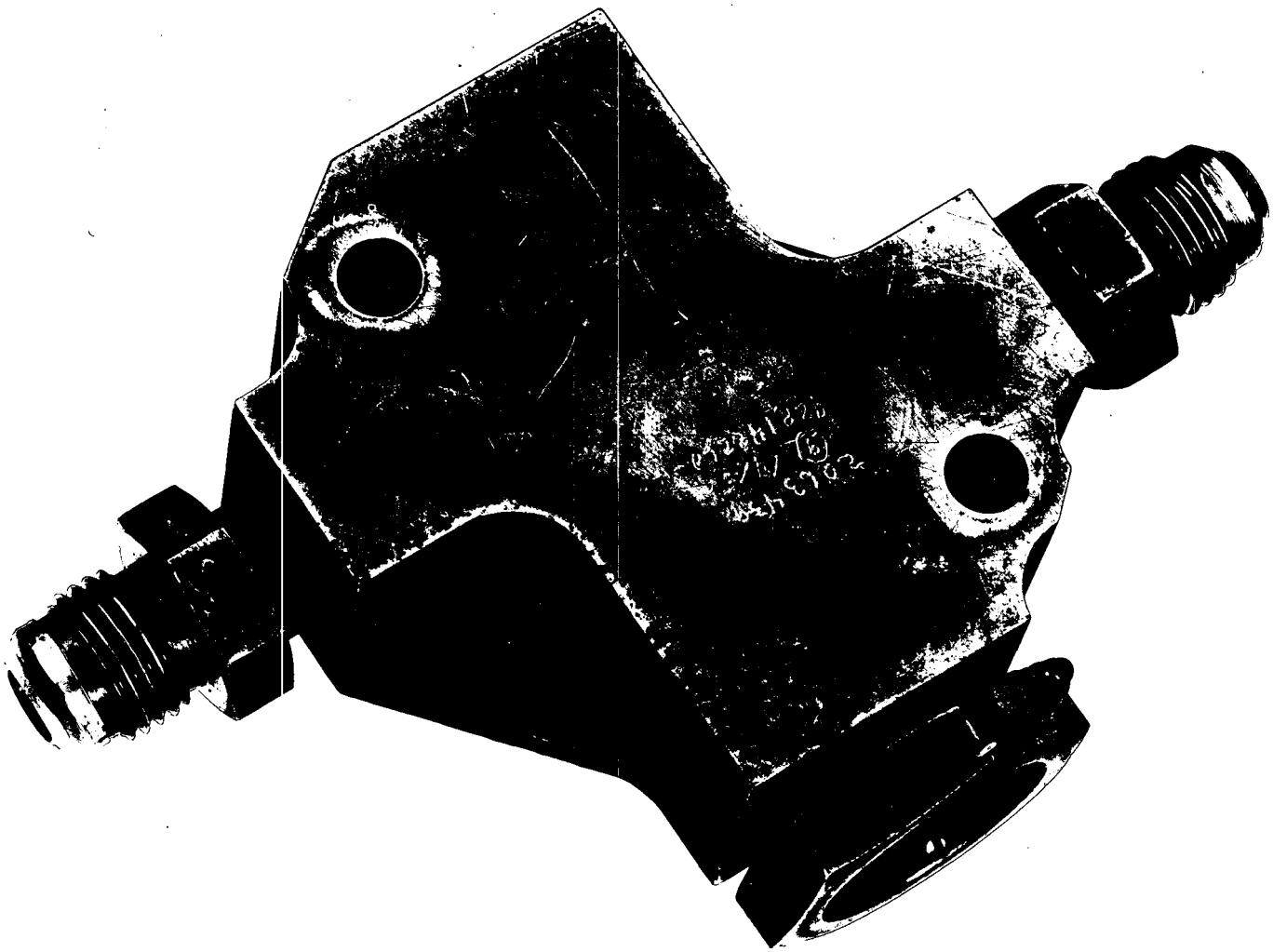
25X1
25X1
25X1

[redacted] PRESSURE REGULATING VALVE (PRV) 580888L2, [redacted] 2067253, S/N A44-A028 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING PILOT VALVE. 14.68 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 31079

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

FIGURE A-154

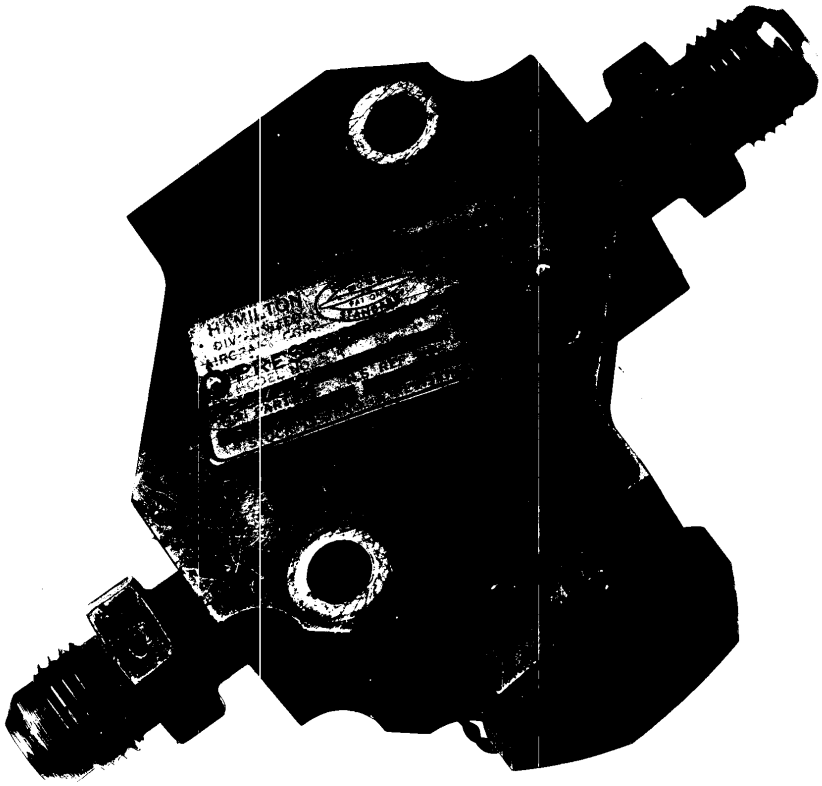
25X1
25X1

[redacted] PRESSURE DROP CONTROLLER, PDC 580710LI, [redacted] 2063439, S/N A37A011 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 2.00 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 30478

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

25X1

25X1

FIGURE A-155

[redacted] PRESSURE DROP CONTROLLER, PDC 580710L1, [redacted] 2063439, S/N A37A011, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 2.00 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 30479

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

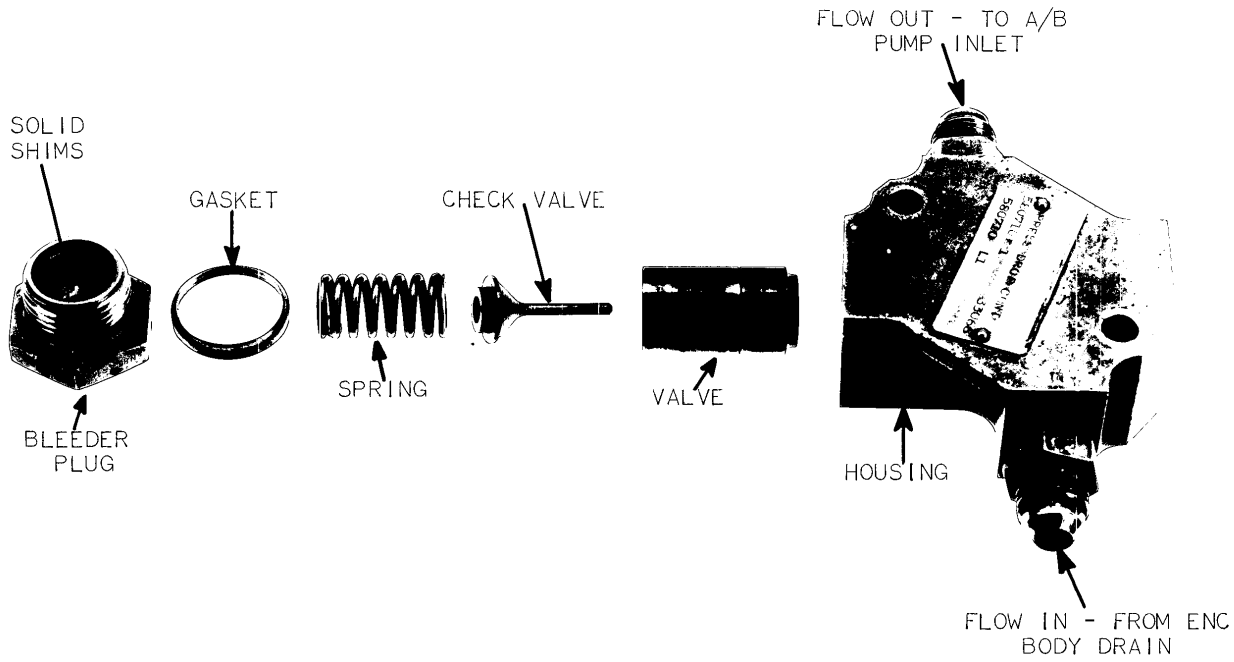


FIGURE A-156

25X1
25X1
25X1

[redacted] PRESSURE DROP CONTROLLER PDC 580710L1, [redacted] 2063439, S/N A37A011 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20 ENGINE FX-116. 2.00 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 30965 A

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

25X1

25X1

25X1

FIGURE A-157 APPROXIMATELY 5.5X MAGNIFICATION

[redacted] PRESSURE DROP CONTROLLER PDC 5007101, [redacted] 2063439, S/N A37A011 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING REGULATING VALVE. 2.00 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 31077

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

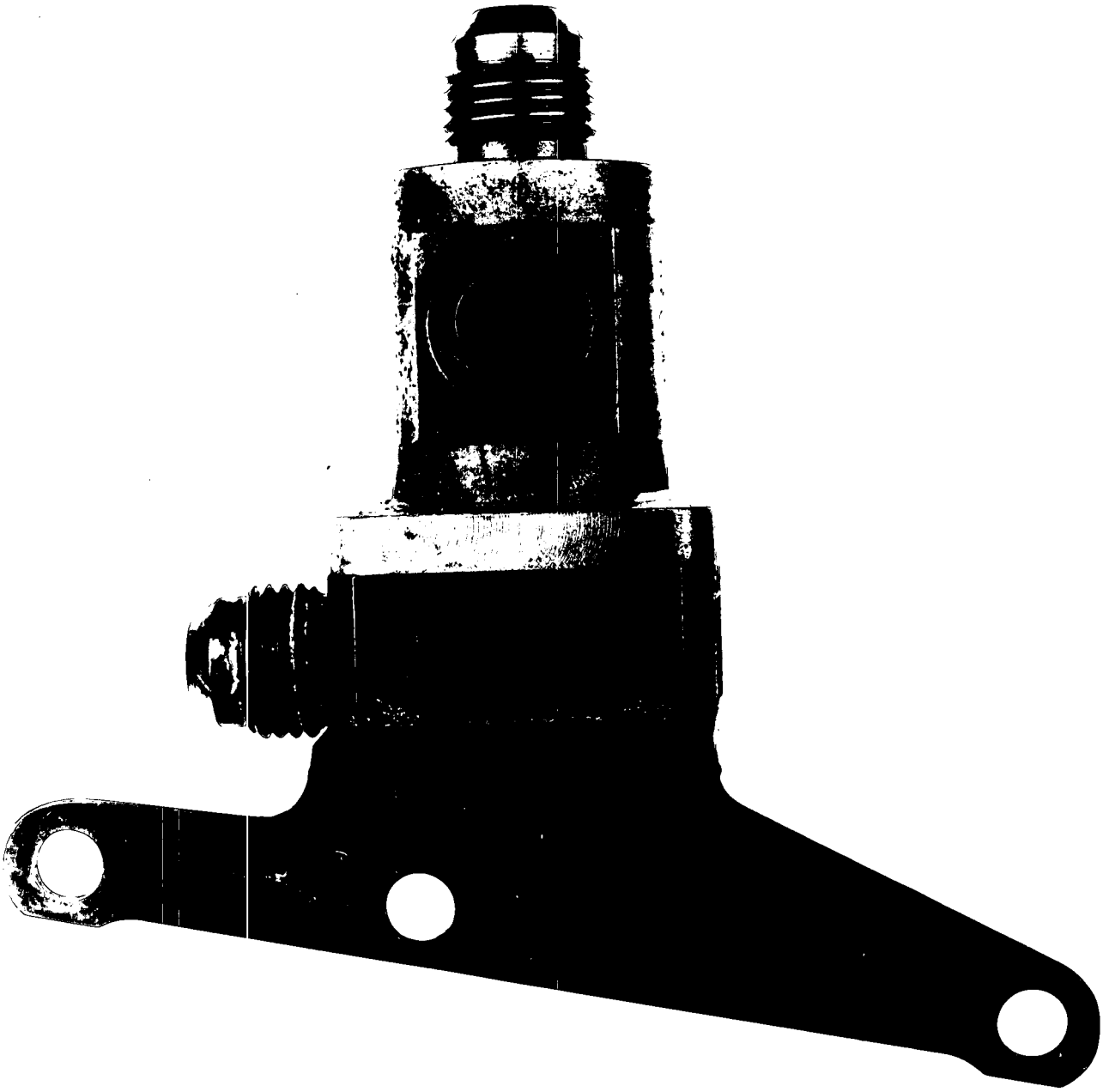


FIGURE A-158

25X1

[redacted] AIRCRAFT EXHAUST NOZZLE TRIM VALVE, ENTV 2067072, S/N A36A013, AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 4.5 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE30598

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

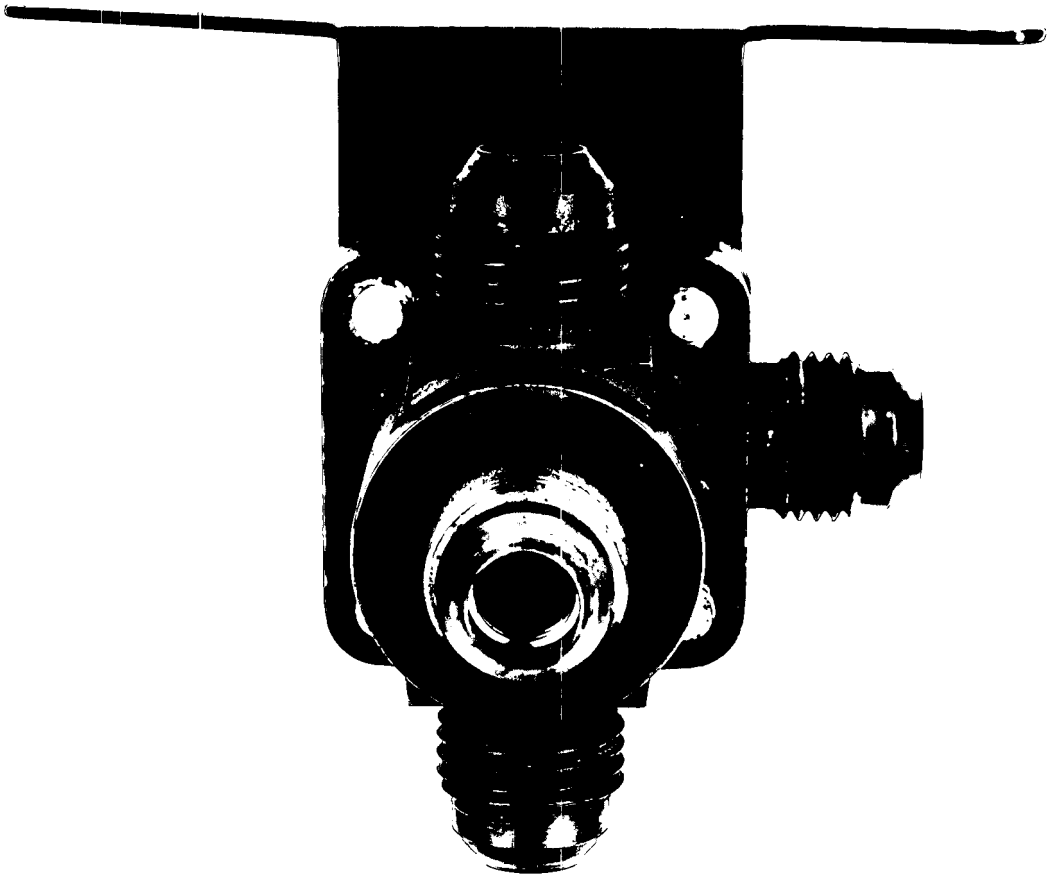


FIGURE A-159

25X1
25X1

[redacted] EXHAUST NOZZLE TRIM VALVE, ENTV 2067072, S/N A36A013, AFTER FLIGHT SUITABILITY TEST OF YJT11D-20A ENGINE FX-116. 4.5 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 30599

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

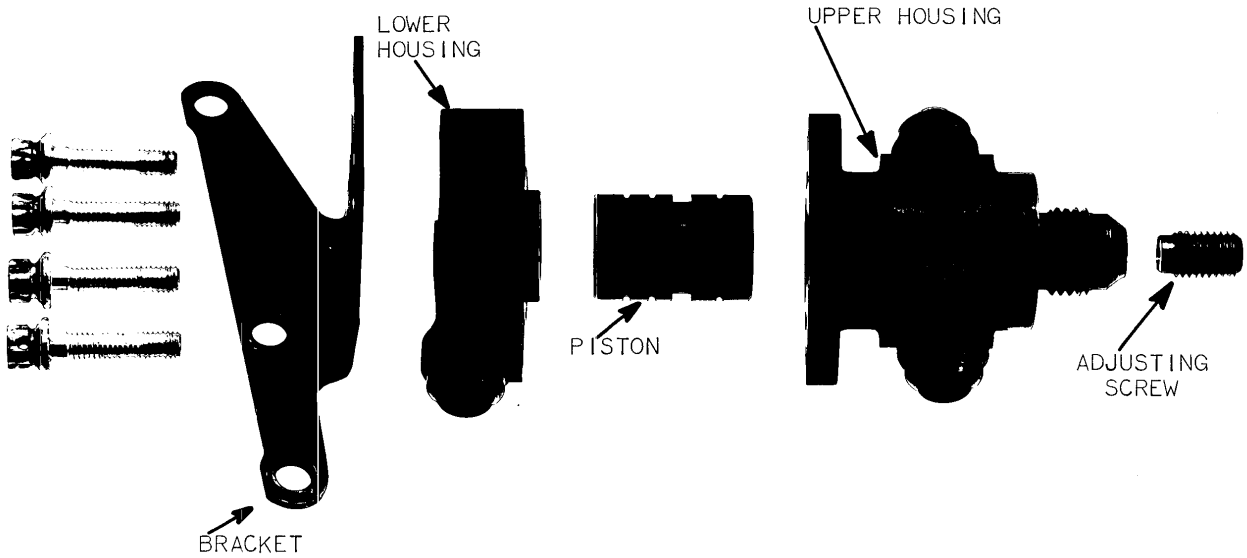


FIGURE A-160

25X1
25X1

[redacted] EXHAUST NOZZLE TRIM VALVE ENTV 2067072 S/N A36A013 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20 ENGINE FX-116. 4.5 HOURS TOTAL BENCH TIME, 97/35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 30966 A

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

25X1

25X1

FIGURE A-161 APPROXIMATELY 2.5X MAGNIFICATION

[redacted] EXHAUST NOZZLE TRIM VALVE ENTV 2067072, S/N A36A013, AFTER FLIGHT SUITABILITY TEST OF YJT11D-20A ENGINE FX-116. 4.5 HOURS TOTAL BENCH TIME, 97.35 HOURS TOTAL ENGINE TIME.

1/31/63 FX-116 FE 28852-A

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KEUFFEL & ESSER CO. ALBANENE

EXHAUST NOZZLE ACTUATOR CALIBRATIONS

Test	S/N A27A096 Before Test	S/N A27A096 After Test	S/N A27A098 Before Test	S/N A27A098 After Test	S/N A27A099 Before Test	S/N A27A099 After Test	S/N A27A100 Before Test	S/N A27A100 After Test
Cooling Flow Open - pph	220	238	228	157	240	243	221	180
Cooling Flow Closed - pph	209	238	228	160	225	224	204	176
OVBD Drain Leakage Open - Drops/Min	0	21	0	29	7	29	0	9
OVBD Drain Leakage Closed - Drops/Min	0	0	0	1	0	0	0	0
Press to Open - psi	150	88	95	80	140	30	85	36
Press to Close - psi	125	78	85	75	115	26	95	30
Shaft Travel - inches	6.909	6.899	6.907	6.906	6.904	6.904	6.903	6.902

Exhaust Nozzle Actuators, P/N 2072164, ENG/RIG NO. FR-116 DATE
Calibrations for XJT11D-20A Flight Suita- PREC XJT11D-20A DRAWN BY
bility Test STAND NO. C-4 CURVE NO. DF-13778
TEST DATE 12/28/62 thru 1/4/63

FIGURE A-162

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

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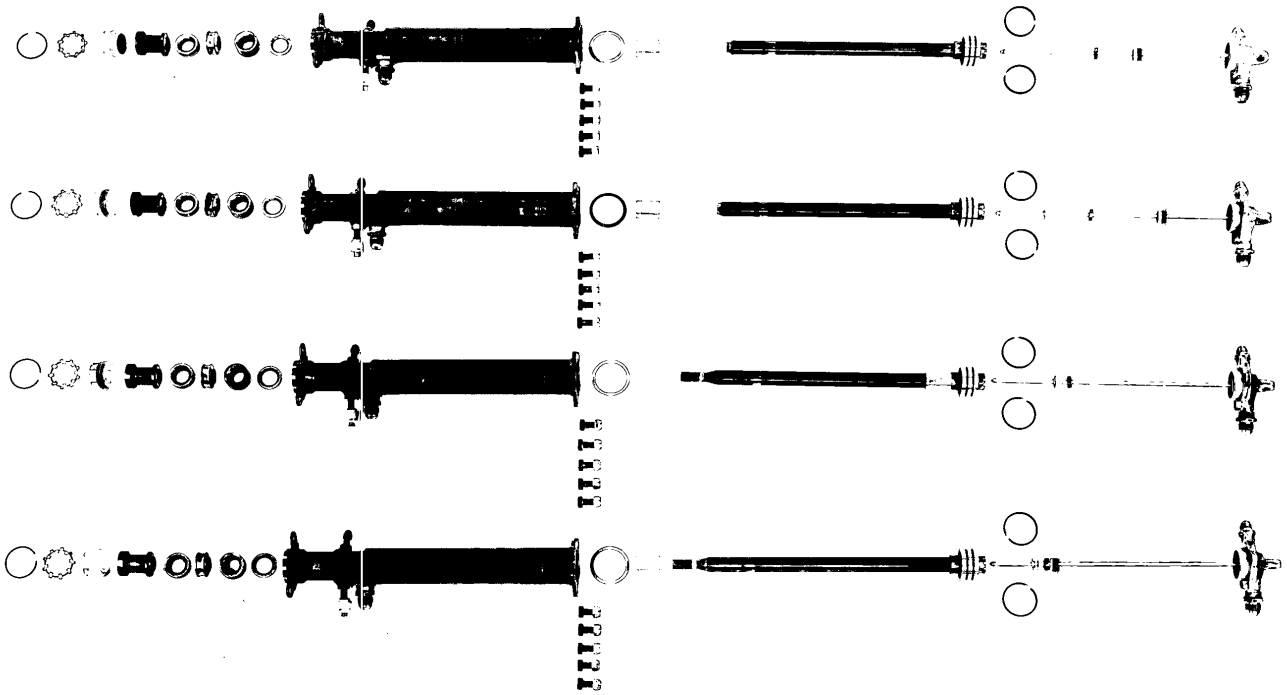


25X1

25X1

FIGURE A-163

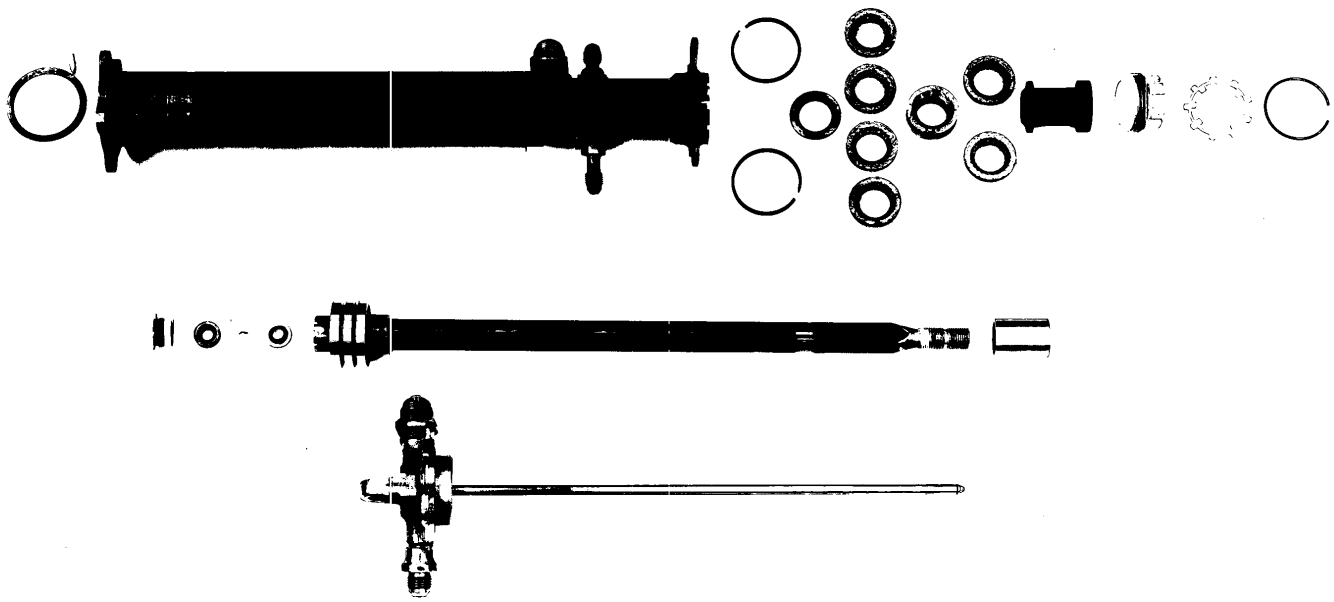
[redacted] EXHAUST NOZZLE ACTUATORS, [redacted] 2072164, S/N A27A-096, A27A-098, A27A-099 & A27A-100 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. 97.35 HOURS TOTAL ENGINE TIME.

25X1

1/30/63 FX-116 FE 30597

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

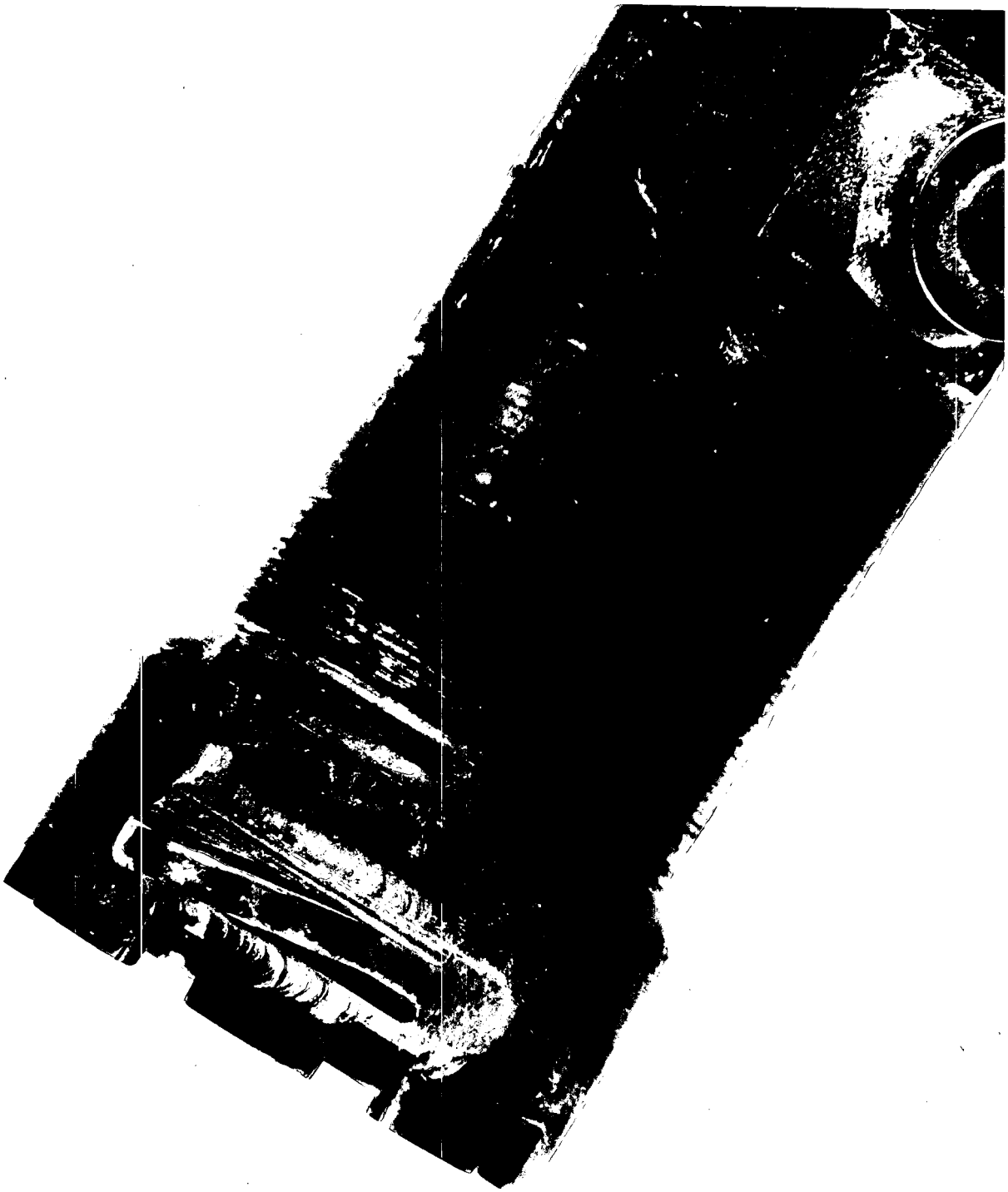
FIGURE A-164

25X1 [redacted] EXHAUST NOZZLE ACTUATOR [redacted] 2072164, 25X1
S/N A27A-100 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE
FX-116. 97.35 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 30775

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

FIGURE A-165 APPROXIMATELY 2X MAGNIFICATION

25X1 [redacted] EXHAUST NOZZLE ACTUATOR ASSEMBLY 2072164, S/N A27A100 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116, SHOWING MOUNT LUGS ON 2045137 HOUSING. 97.35 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 30961

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

25X1

25X1

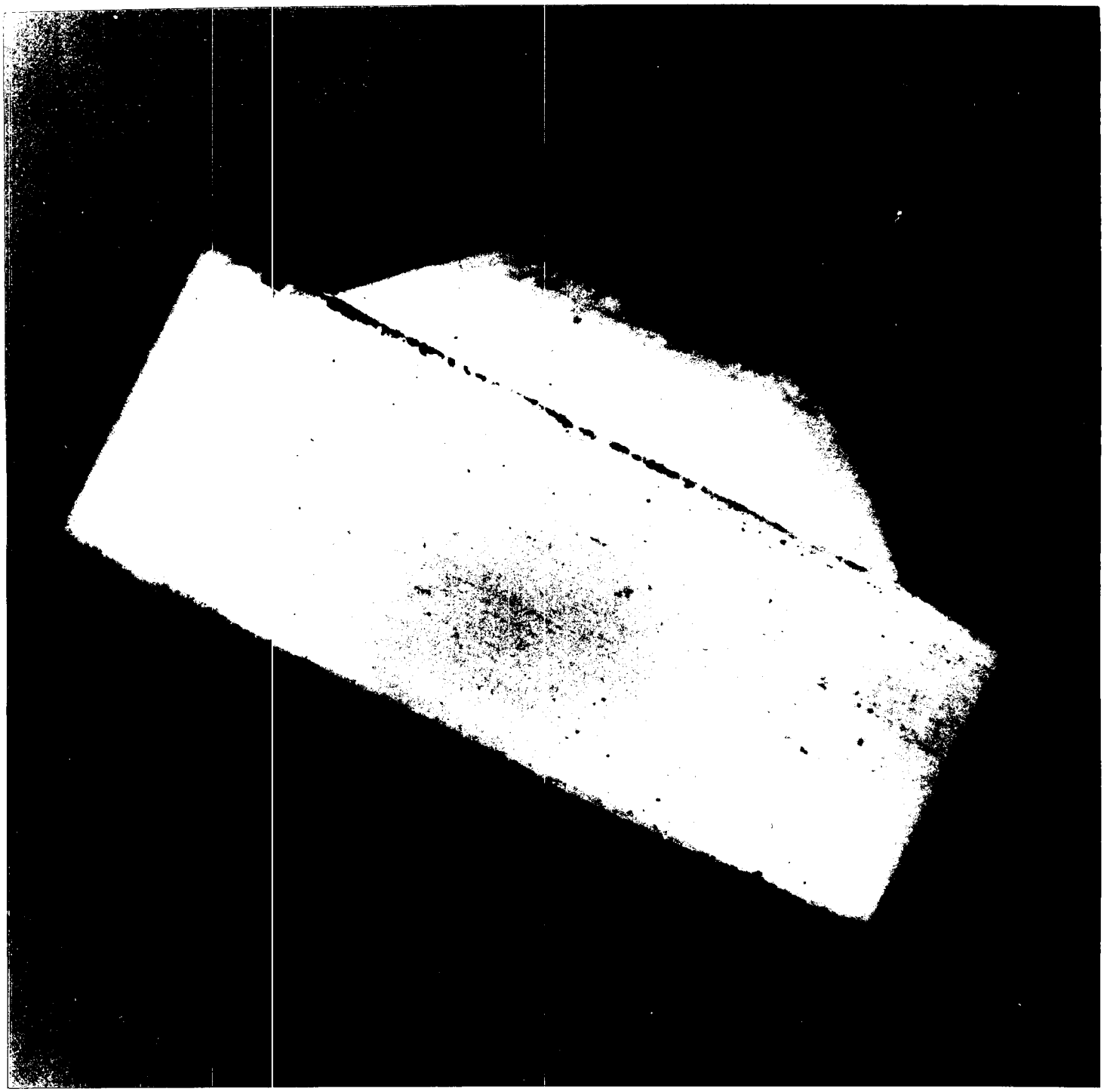
FIGURE A-166 APPROXIMATELY 12X MAGNIFICATION

[redacted] EXHAUST NOZZLE ACTUATOR ASSEMBLY 2072164, S/N A27A-100 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116. SHOWING 2069152 SEAL. 97.35 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 30962

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8



25X1

FIGURE A-167 APPROXIMATELY 10X MAGNIFICATION

25X1

[redacted] EXHAUST NOZZLE ACTUATOR ASSEMBLY 2072164, S/N A27A-100 AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116 SHOWING 2069152 SEAL. 97.35 HOURS TOTAL ENGINE TIME.

1/30/63 FX-116 FE 30963

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8

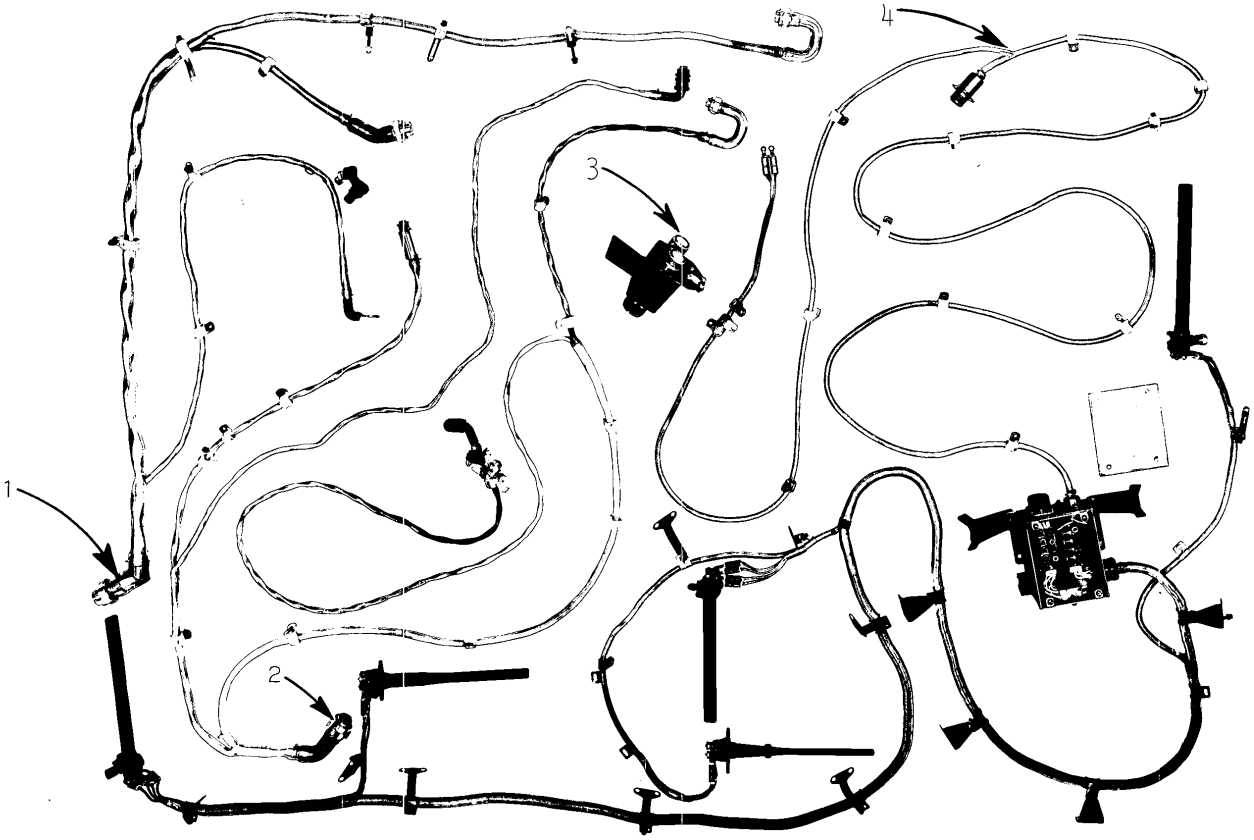


FIGURE A-168

25X1 [redacted] ELECTRICAL HARNESS: (1) [redacted] 2067517 A/C BRANCH. 25X1

25X1 [redacted] 2067518 D/C BRANCH. (3) [redacted] 2067519 JUNCTION BOX. 25X1

25X1 [redacted] TT5 THERMOCOUPLE HARNESS: (4) [redacted] 2072442. 25X1

ALL PARTS AFTER FLIGHT SUITABILITY TEST ON YJT11D-20A ENGINE FX-116.
76.06 HOURS TOTAL ENGINE TIME.
1/26/63 FX-116 FE 30970

Approved For Release 2005/12/14 : CIA-RDP89B00739R000700160001-8