

# SEMIAT I

## USS KAUFFMAN (FFG 59)

INTERNAL VIDEO VENTILATION ASSESSMENT



**PERFORMED BY  
SUPERVISOR OF SHIPBUILDING CONVERSION AND  
REPAIR**

**PORTSMOUTH, VIRGINIA**

SUPSHIP: F. THEKKUDAN. & QED: B. CAREW, B. PARSONS

**20 NOVEMBER THRU 1 DECEMBER 2000**

## SUMMARY

A ventilation duct internal inspection was accomplished IAW the requirements of References (a) and (b), on board the USS KAUFFMAN (FFG 59) from 20 November to 1 December 2000, during a SEMAT I visit at Marine Hydraulics International, Norfolk, VA . The duct internal inspection determines the structural integrity (rust, wear, damage) and cleanliness (grease, dust, foreign matter) of the recirculation, exhaust and supply vent systems. Form 4790-2Ks were utilized to document discrepancies and were furnished for inclusion into the USS KAUFFMAN's Current Ship's Maintenance Project (CSMP). A proposed SUPSHIP, Portsmouth's Maintenance Repair Card (MRC), 5111-1 was used for the inspection criteria. The following pages have descriptions and pictures of the discrepancies discovered.

## REFERENCES

- a) COMNAVSURFLANT Continuous Maintenance Implementation /Improvement Policy Letter 09- Ventilation System Cleaning Policy Letter Ser N432A/1014 D dated 03 AUG 1999.
- b) COMNAVSURFLANT Message R091100Z Aug 1999 Shipboard Ventilation Cleaning Policy.

## SUMMARY OF RECOMMENDATIONS

<b>SYS NO</b>	<b>TYPE</b>	<b>MAF</b>	<b>REMARKS</b>	<b>REPORT PG NO</b>
01-182-1	EXHAUST	EM04 P932	System requires cleaning	1
01-298-2	SUPPLY	EM04 P908	System requires cleaning	2
01-281-1	SUPPLY	EM04 P907	System requires cleaning	3
01-309-1	SUPPLY	EM04 P909	System requires cleaning	4
01-313-1	EXHAUST	EM04 P931	System requires cleaning	5
02-125-2	EXHAUST	EM04 P935	System requires cleaning	6
1-106-1	EXHAUST	EM04 P933	System requires cleaning	7
1-202-1	EXHAUST	EM04 P942	System requires cleaning	8
1-210-2	EXHAUST	EM04 P934	System requires cleaning	9
2-178-2	EXHAUST	EM04 P903	System requires cleaning	10
2-245-1	SUPPLY	EM04 P936	System requires cleaning	11
2-245-2	SUPPLY	EM04 P937	System requires cleaning	12
2-293-2	EXHAUST	EM04 P906	System requires cleaning	13
3-189-1	SUPPLY	EM04 P910	System requires cleaning	14
3-197-2	SUPPLY	EM04 P911	System requires cleaning	15
01-281-2	SUPPLY		Clean - No work required	
01-213-1	EXHAUST		Clean - No work required	
1-154-1	EXHAUST		Clean - No work required	
1-161-1	SUPPLY		Clean - No work required	
1-208-2	EXHAUST		Clean - No work required	

**VENT SYSTEM**  
**01-182-1, EXHAUST**  
JSN: EM04 P932  
System Recommended for Cleaning

GALLEY ANNEX (2-188-1-Q)



3 FT Inside Duct Looking Forward From Serving Line (Foreign material)

GALLEY ANNEX (2-188-1-Q)



4 FT Inside Duct Looking Forward From Serving Line (Foreign material)

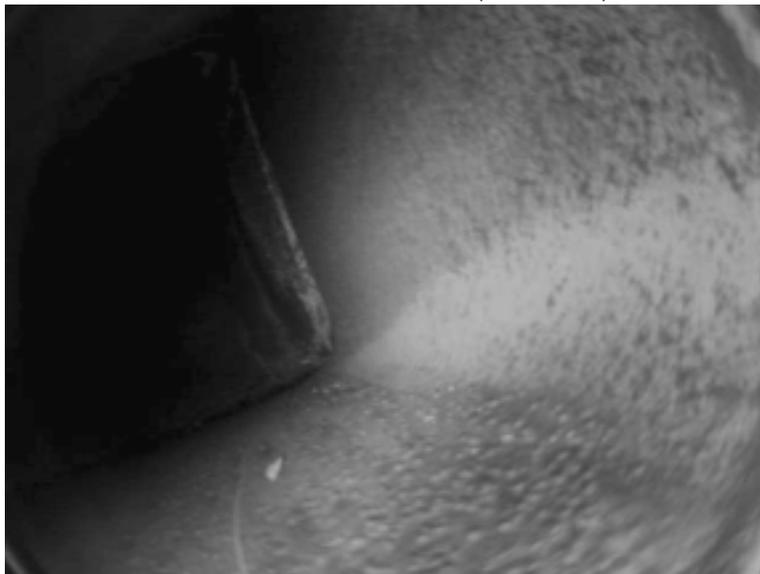
**VENT SYSTEM**  
**01-298-2, SUPPLY**  
JSN: EM04 P908  
System Recommended for Cleaning

SSDG NO. 4 ENCLOSURE (3-292-2-E)



10 FT Inside Duct Looking Aft (Foreign material)

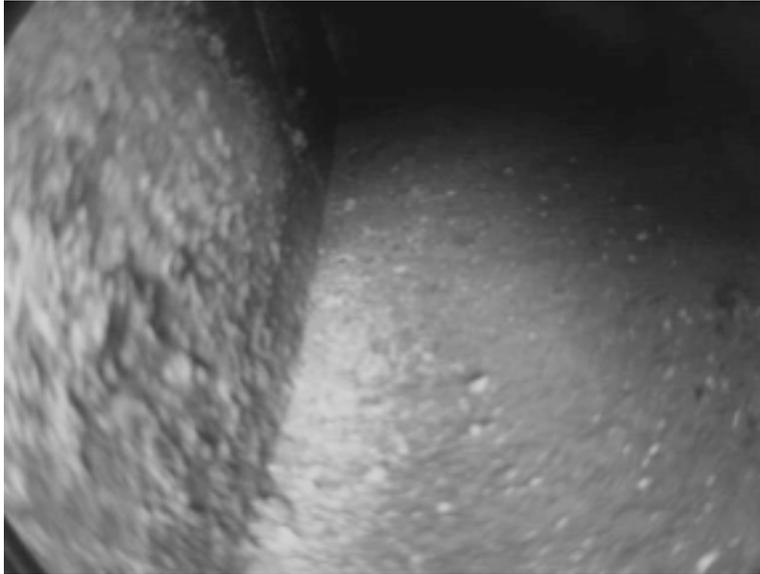
SSDG NO. 4 ENCLOSURE (3-292-2-E)



8 FT Inside Duct Looking Aft (Foreign material)

**VENT SYSTEM**  
**01-281-1, SUPPLY**  
JSN: EM04 P907  
System Recommended for Cleaning

ENGINE ROOM (5-250-0-E)



4 FT Inside Duct Upper Level Looking Forward by Frame 282 (Foreign material)

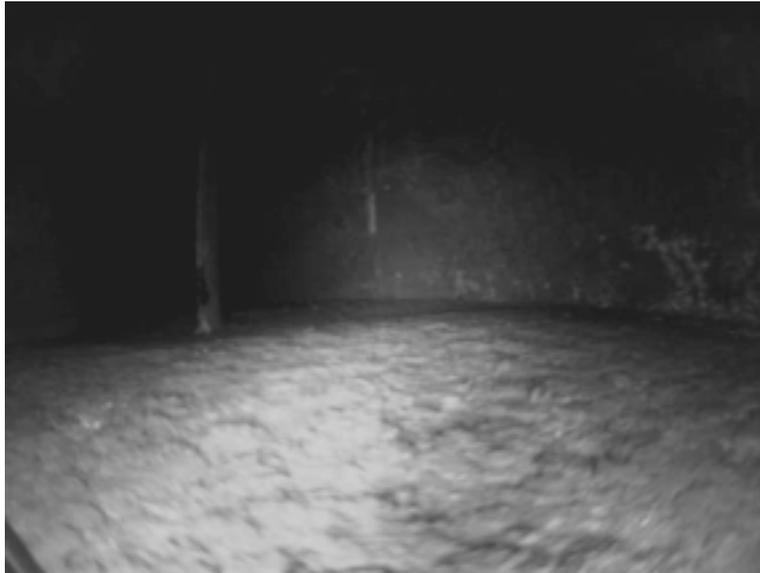
ENGINE ROOM (5-250-0-E)



4 FT Inside Duct Lower Level Looking Aft by Frame 270 (Foreign material)

**VENT SYSTEM**  
**01-309-1, SUPPLY**  
JSN: EM04 P909  
System Recommended for Cleaning

AMR 3 (5-292-0-E)



6 FT Inside Duct Looking Forward (Foreign material)

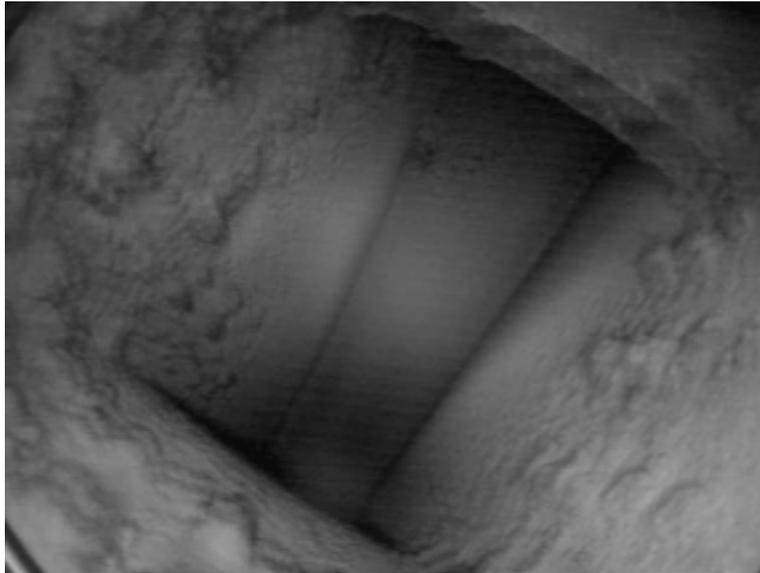
AMR 3 (5-292-0-E)



4 FT Inside Duct Looking Forward (Foreign material)

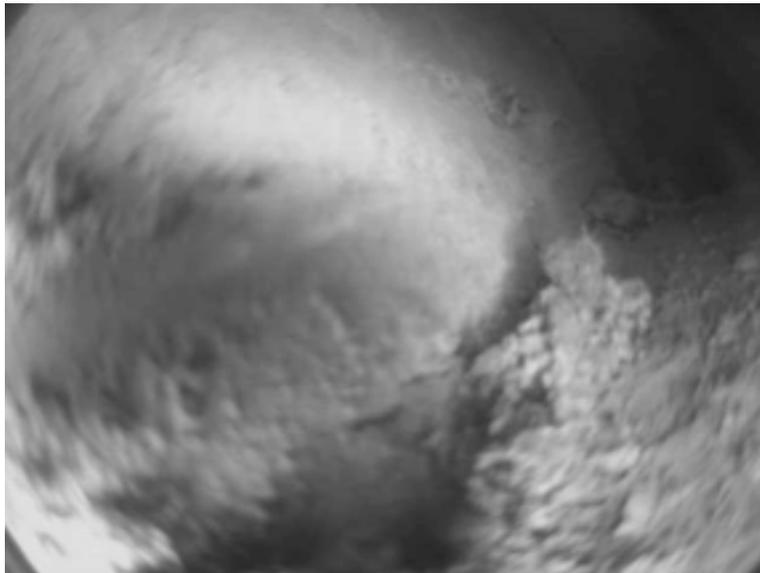
**VENT SYSTEM**  
**01-313-1, EXHAUST**  
JSN: EM04 P931  
System Recommended for Cleaning

GENERAL WORKSHOP (2-292-2-Q)



1 FT Inside Weld Duct Hood Looking Up (Foreign material)

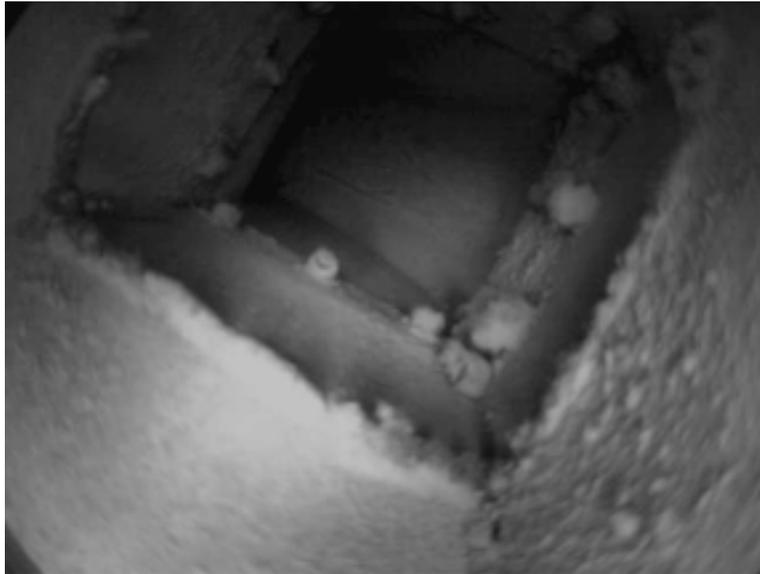
GENERAL WORKSHOP (2-292-2-Q)



3 FT Inside Duct Looking Port at Frame 312 (Foreign material)

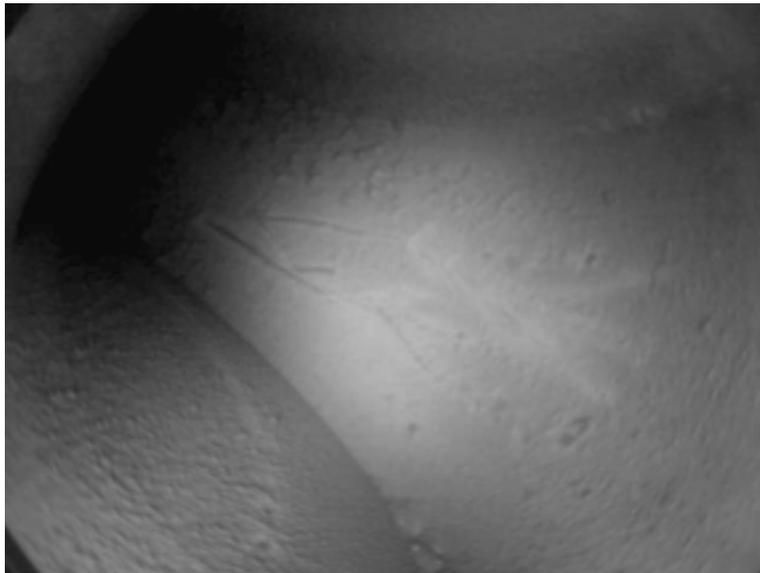
**VENT SYSTEM**  
**02-125-2, EXHAUST**  
JSN: EM04 P935  
System Recommended for Cleaning

OFFICER WR, WC, & SH (1-151-1-L)



1 FT Inside Duct Looking Forward (Foreign material)

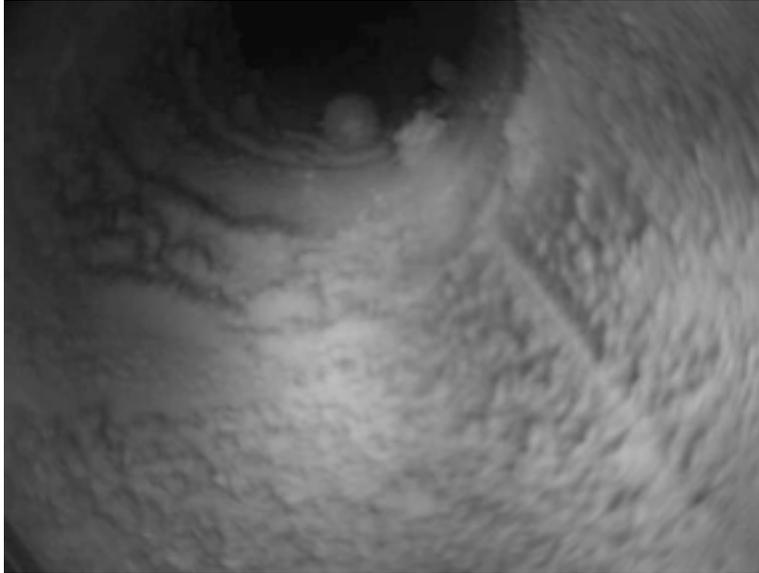
OFFICER WR, WC, & SH (1-151-1-L)



3 FT Inside Duct Looking Forward (Foreign material)

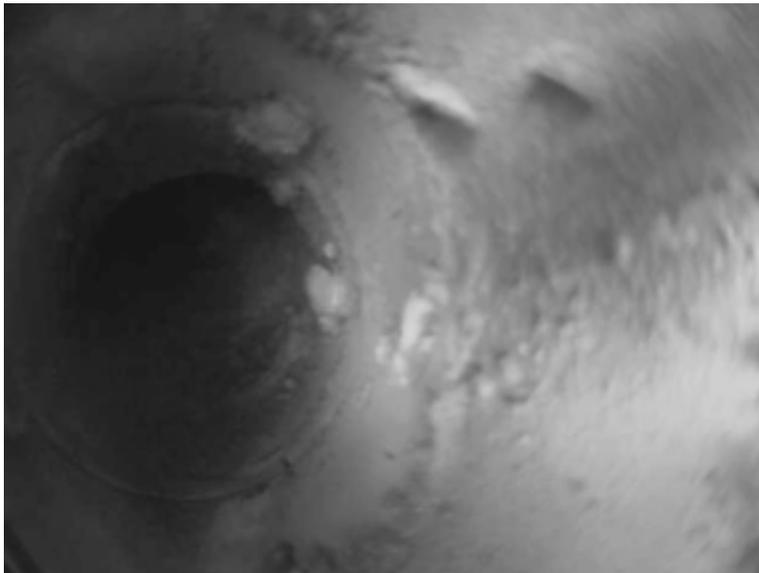
**VENT SYSTEM**  
**1-106-1, EXHAUST**  
JSN: EM04 P933  
System Recommended for Cleaning

CREWS HEAD (2-113-0-L)



2 FT Inside Duct Looking Forward (Foreign material)

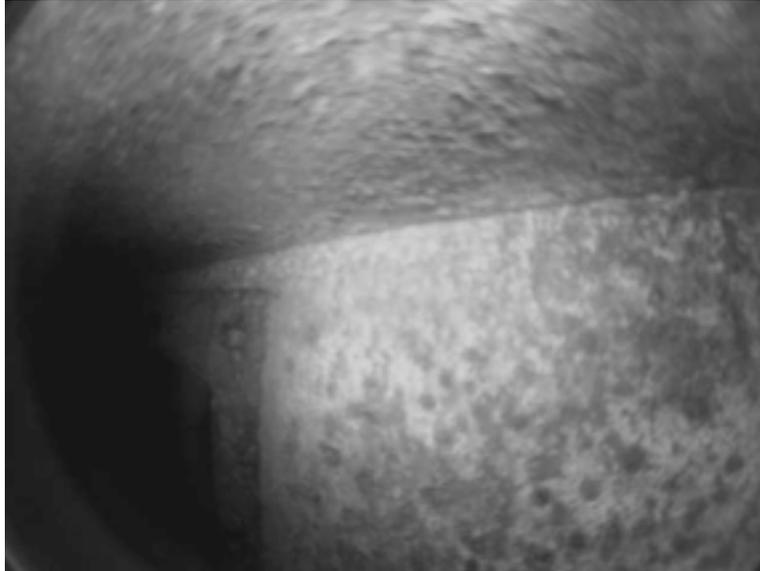
CREWS HEAD (2-113-0-L)



2 FT Inside Duct Looking Forward From Shower (Foreign material)

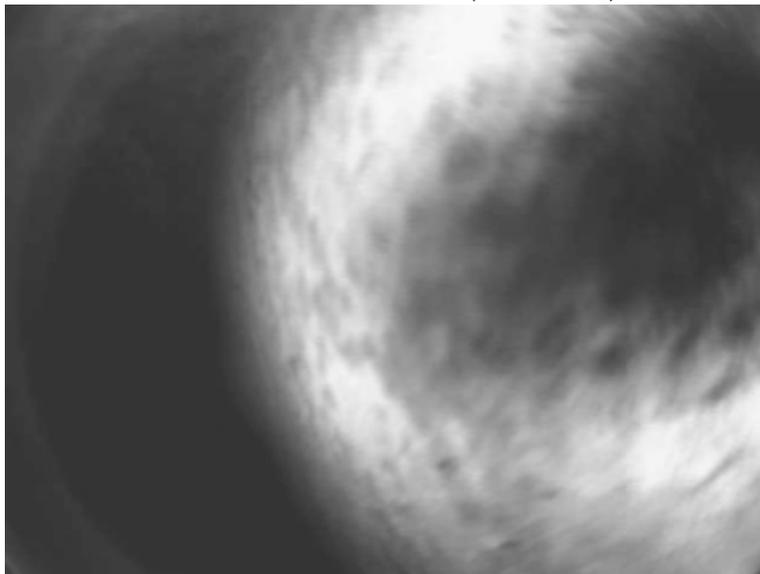
**VENT SYSTEM**  
**1-202-1, EXHAUST**  
JSN: EM04 P942  
System Recommended for Cleaning

SSDG NO. 1 ENCLOSURE (5-180-01-E)



2 FT Inside Duct Looking Up (Foreign material)

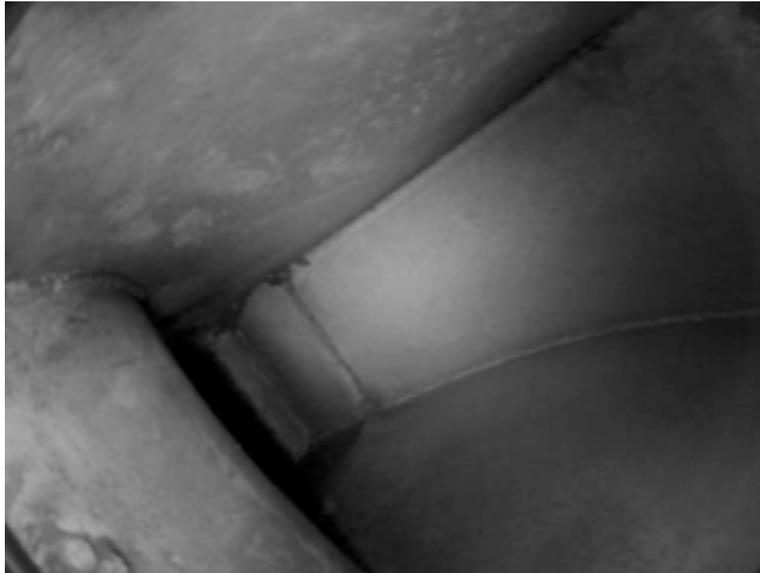
SSDG NO. 1 ENCLOSURE (5-180-01-E)



4 FT Inside Duct Looking Up (Foreign material)

**VENT SYSTEM**  
**1-210-2, EXHAUST**  
JSN: EM04 P934  
System Recommended for Cleaning

SCULLERY (1-200-2-Q)



1 FT Inside Duct Looking Starboard Above Dishwasher (Foreign material)

SCULLERY (1-200-2-Q)



2 FT Inside Duct Looking Starboard Above Dishwasher (Foreign material)

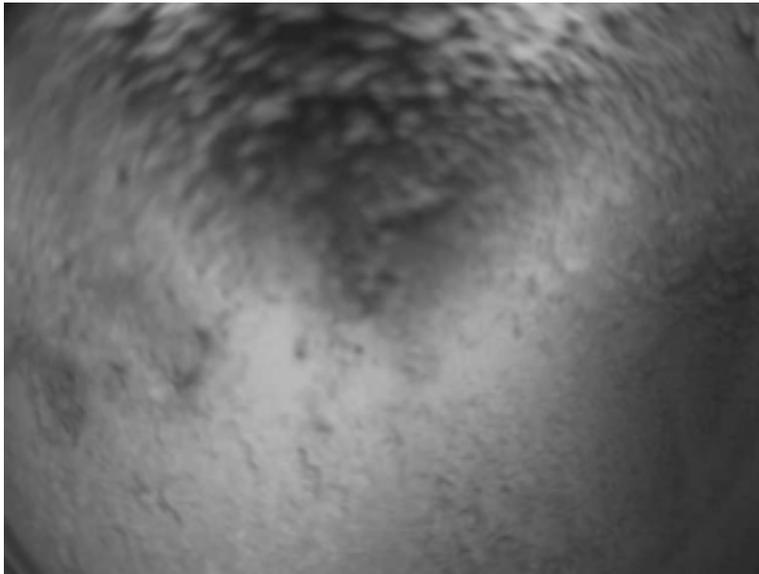
**VENT SYSTEM**  
**2-178-2, EXHAUST**  
JSN: EM04 P903  
System Recommended for Cleaning

AMR 1 (5-180-0-E)



4 FT Inside Duct Looking Up (Foreign material)

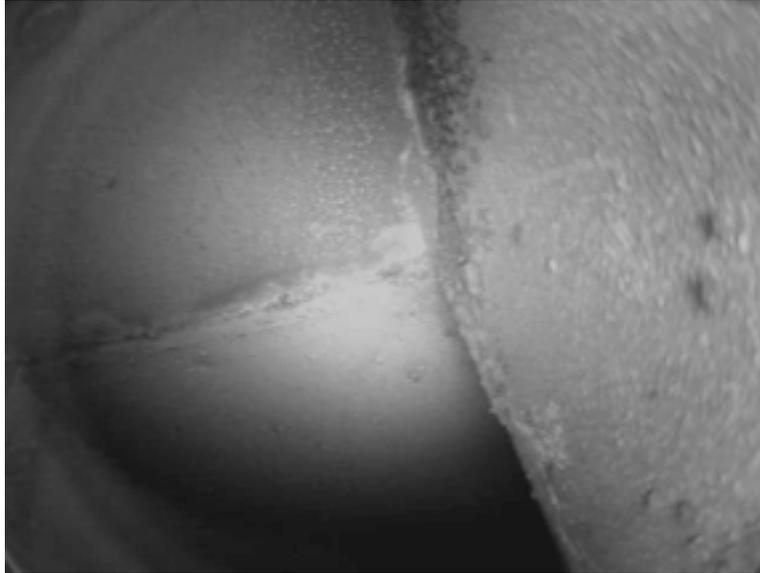
AMR 1 (5-180-0-E)



2 FT Inside Duct Looking Up (Foreign material)

**VENT SYSTEM**  
**2-245-1, SUPPLY**  
JSN: EM04 P936  
System Recommended for Cleaning

SSDG NO. 2 ENCLOSURE (5-226-1-E)



4 FT Inside Duct Looking Port (Foreign material)

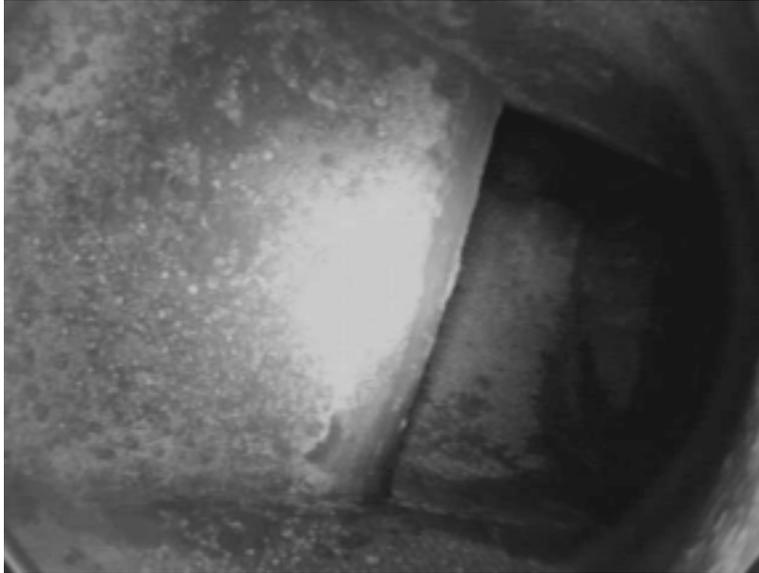
AMR 2 (5-212-0-E)



5 FT Inside Duct Looking Aft From A/C Unit 2 (Foreign material)

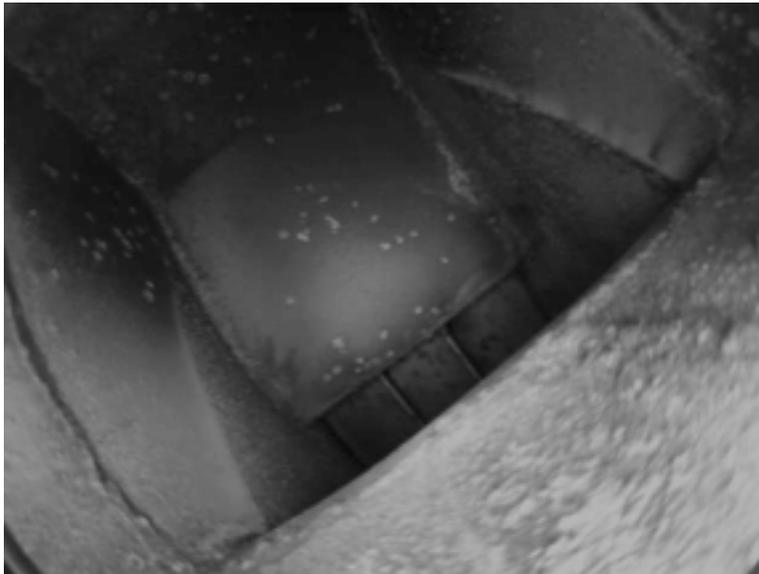
**VENT SYSTEM**  
**2-245-2, SUPPLY**  
JSN: EM04 P937  
System Recommended for Cleaning

AMR 2 (5-212-0-E)



3 FT Inside Duct Looking Aft From A/C Unit 3 (Foreign material)

AMR 2 (5-212-0-E)



4 FT Inside Duct Looking Aft From Halon Bottle Bank (Foreign material)

# VENT SYSTEM 2-293-2, EXHAUST

JSN: EM04 P906

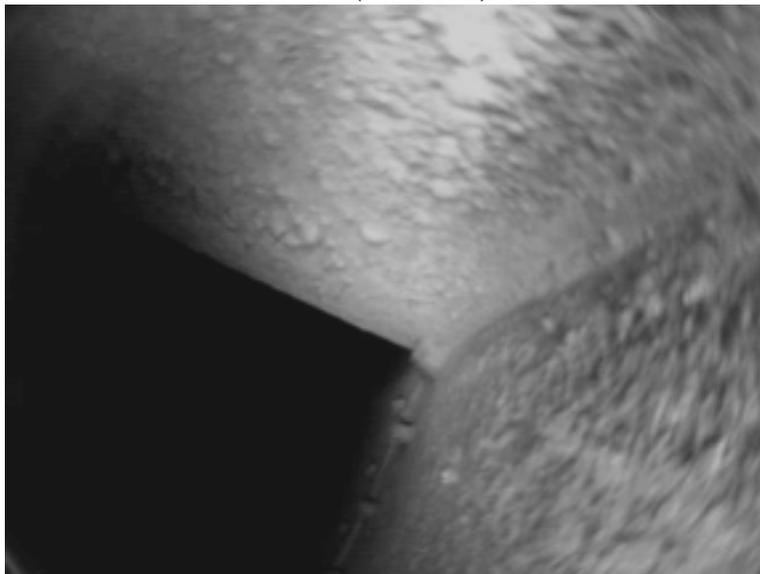
System Recommended for Cleaning

SSDG NO. 4 ENCLOSURE (3-292-2-E)



5 FT Inside Duct Looking Aft (Foreign material)

AMR 3 (5-292-0-E)



4 FT Inside Duct Looking Starboard (Foreign material)

**VENT SYSTEM**  
**3-189-1, SUPPLY**  
JSN: EM04 P910  
System Recommended for Cleaning

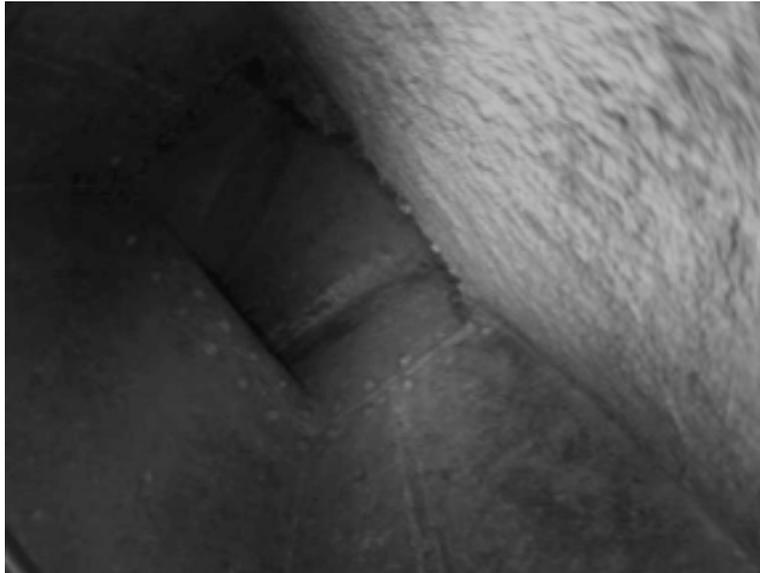
SSDG NO. 1 ENCLOSURE (5-180-01-E)



1 FT Inside Duct Looking Up (Foreign material)

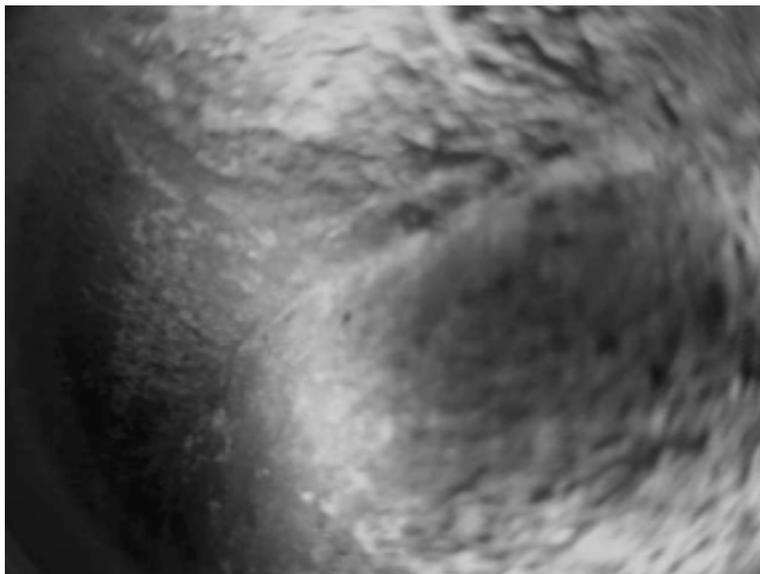
**VENT SYSTEM**  
**3-197-2, SUPPLY**  
JSN: EM04 P911  
System Recommended for Cleaning

AMR 1 (5-180-0-E)



2 FT Inside Duct Looking Starboard (Foreign material)

AMR 1 (5-180-0-E)



4 FT Inside Duct Looking Starboard (Foreign material)