

JOINT DIRECT ATTACK MUNITIONS ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

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NOTE: OPEN problems denoted by asterisk (\*) following problem number.

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PROBLEM NO: 16745

OPEN

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	KMU-556/B	70P860000-1015	1325	01-444-5122	EA69
	KMU-556/B	70P860000-1XXX	1325	01-444-5122	EA69

EI CNTRL NO: 01-0035

PROB BRIEF : INFLIGHT FAILURE

PROBLEM : Pilot reported weapon failed inflight.  
DESCRIPTION

PREVENTIVE : No preventive action at this time.  
ACTION

CORRECTIVE : No corrective action at this time.  
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VFA-151	CODR	R09558-01-0036	30MAY01	OPEN
	USS LINCOLN (CVN-72)	CODR	R21297-00-0823	20NOV00	OPEN
	VFA-136	CODR	V55141-00-0011	29JUN00	OPEN
	VFA-131	CODR	R63934-00-0005	05APR00	OPEN
	VMFA-314	CODR	M09230-00-0011	06MAR00	OPEN

ACTION : VFA-151 CODR R09558-01-0036 30MAY01 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			
	S/N: 162001 01DEC20			
FAILED PART:	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			

**DESCRIPTION:**

During post flight pilot reported weapons fail inflight. Pilot attempted to clear failed weapon two more times and weapon was unable to be cleared. Performed system BIT of weapon with no discrepancies noted. After next flight weapon was down loaded with no discrepancies noted.

**ACTION TAKEN:**

01JUN01: NAWC China Lake acknowledges receipt of reported deficiency. This deficiency will remain open pending identification and repair of failed components from manufacturer. Request place KMU-556/B in Condition Code "F". If empty container is available return asset to Boeing. If empty container is not available hold asset until additional KMU-556 failure occurs and then ship the two failed assets in the same container. Advise NAWC China Lake of mode of transport, document number and date of shipment.



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PROBLEM NO: 16745

(Continued)

ACTION : VFA-136 CODR V55141-00-0011 29JUN00 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			
	S/N: 157723 01DEC17			
FAILED PART:	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			

**DESCRIPTION:**

After aircraft catapult launch with weapon boxed, station seven configured with a single JDAM received a weapons fail indication. Numerous attempts by pilot to clear weapons fail were unsuccessful. Upon return, post flight checks indicated weapons fail, with no aircraft or interface cable discrepancies noted. Weapon was down loaded and turned in for Common Munitions BIT Reprogramming Equipment test. BIT test was performed with HEX code (0000) and MAP Code (24).

**ACTION TAKEN:**

13JUL00: NAWC China Lake acknowledges receipt of reported deficiency. Request place KMU-556/B in Condition Code "F" and ship asset in a CNU-589/E container to NAWC China Lake. Advise NAWC China Lake of mode of transport, document number and date of shipment.

27JUL00: NAWC China Lake corrected addressees on original response.

ACTION	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	NAWC CHINA LAKE/47HE00D	IDENTIFY AND REPAIR	11OCT00	OPEN

REFERENCES	IDENTIFICATION	REFERENCE BRIEF
	VFA-136 MESSAGE 290701ZJUN00	PROBLEM REPORT
	NAWC CHINA LAKE/47HE00D MESSAGE 132144ZJUL00	INTERIM RESPONSE
	NAWC CHINA LAKE/47HE00D MESSAGE 272254ZJUL00	CORRECTION TO INTERIM RESPONSE

ACTION : VFA-131 CODR R63934-00-0005 05APR00 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	70P860000-1015	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			
	S/N: 157749 01JAN20			
	LOT: MDS99H105-001			
FAILED PART:	70P860000-1015	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			

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**PROBLEM NO: 16745**

**(Continued)**

**DESCRIPTION:**

The GBU-31(V)2/B failed approximately 45 minutes into the flight. The pilot received a weapon fail indication on the Digital Display Indicator. Tail kit failed three consecutive BITs with Common Munitions BIT Reprogramming Equipment test set. The BIT fail code was C100.

**ACTION TAKEN:**

17APR00: NAWC China Lake acknowledges receipt of reported deficiency. Request place KMU-556/B in Condition Code "F" and ship asset in CNU-589/E container to NAWC China Lake. Advise NAWC China Lake of mode of transport, document number and date of shipment.

29JAN01: NAWC China Lake requests the following information be provided to assist in Engineering Investigation: approximate number of CATS/TRAPS and flight hours on tail kit. Also approximate aircraft altitude-mach-maneuver at time of failure.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b> NAWC CHINA LAKE/47HE00D	<b>ASSIGNMENT</b> INVESTIGATE	<b>DUE DATE STATUS</b> 29APR01 OPEN
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<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b> VFA-131 MESSAGE 052100ZAPR00 NAWC CHINA LAKE/47HE00D MESSAGE 172035ZAPR00 NAWC CHINA LAKE/47HE00D MESSAGE 291525ZJAN01	<b>REFERENCE BRIEF</b> PROBLEM REPORT INTERIM RESPONSE  ADDITIONAL INFORMATION REQUEST
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<b>ACTION</b>	<b>:</b>	<b>VMFA-314</b>	<b>CODR</b>	<b>M09230-00-0011</b>	<b>06MAR00 OPEN</b>
		<b>END ITEM</b>	<b>:</b>	<b>PART/DOC. NO.</b> 70P860000-1015 <b>NOMEN:</b> KMU-556/B <b>S/N:</b> 151635 01JAN20	<b>FSC NIIN NALC</b> 1325 01-444-5122 EA69
		<b>FAILED PART:</b>		70P860000-1015 <b>NOMEN:</b> KMU-556/B	1325 01-444-5122 EA69

**DESCRIPTION:**

Aircraft was launched without incident. Pilot returned from flight and reported that approximately 40 minutes into flight stores page reported weapons fail. Pilot initiated JDAM BIT and received a fail indication. Ordnance crew ran aircraft up and received the same results.

**ACTION TAKEN:**

29JAN01: NAWC China Lake acknowledges receipt of reported deficiency. NAWC China Lake requests approximate aircraft

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PROBLEM NO: 16745

(Continued)

altitude-mach-maneuver at time of failure be provided to assist in Engineering Investigation.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC CHINA LAKE/47HE00D	INVESTIGATE	29APR01	OPEN

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		VMFA-314 MESSAGE 060541ZMAR00	PROBLEM REPORT
		NAWC CHINA LAKE/47HE00D MESSAGE 291530ZJAN01	INTERIM RESPONSE

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PROBLEM NO: 16830

OPEN

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	KMU-556/B	70P860000-1	1325	01-444-5122	EA69
	KMU-556/B	70P860000-1XXX	1325	01-444-5122	EA69

EI CNTRL NO: 01-0041

PROB BRIEF : WEAPONS FAIL INDICATION ON DISPLAY INDICATOR

PROBLEM : Weapon caused weapons fail indication on cockpit Digital Display  
DESCRIPTION Indicator.

PREVENTIVE : No preventive action at this time.  
ACTION

CORRECTIVE : No corrective action at this time.  
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	NBVC PT MUGU	CODR	N69232-01-0001	15FEB01	OPEN
	USS HARRY S. TRUMAN (CVN-75)	CODR	V21853-00-0019	01JAN01	OPEN
	VFA-25	CODR	R09637-00-0042	12NOV00	OPEN
	VFA-115	CODR	R09604-00-0040	03OCT00	OPEN
	VFA-34	CODR	V09070-00-0010	06AUG00	OPEN
	VFA-83	CODR	V09223-00-0018	30JUL00	OPEN
	VFA-131	CODR	R63934-00-0000	27JUN00	OPEN
	VFA-131	CODR	R63934-00-0008	11APR00	OPEN

ACTION : NBVC PT MUGU CODR N69232-01-0001 15FEB01 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			
	S/N: 161902 01JAN20			
FAILED PART:	70P860000-1	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			
	S/N: 161902			

**DESCRIPTION:**

While trying to perform a KMU-55X/B inquiry for a BIT check, none of the display fields would show. Test set displayed "FAIL". Tail section was tested once more then another tail fin was tested, which passed. The one that failed was tested for a third time and failed again.

**ACTION TAKEN:**

01MAR01: NAWC China Lake acknowledges receipt of reported deficiency. Request place KMU-556/B in Condition Code "F" and ship



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PROBLEM NO: 16830

(Continued)

ACTION : VFA-25 CODR R09637-00-0042 12NOV00 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	70P860000-1	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			
	S/N: 151643			
FAILED PART:	70P860000-1	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			
	S/N: 151643			

**DESCRIPTION:**

During initiated weapons BIT by ordnance ground crew, the Digital Display Indicator stores page displayed a weapons fail. Weapon was down loaded and loaded on a known good aircraft with the same Digital Display Indicator display of weapons fail. Weapon was turned in for Common Munitions Bit Reprogramming Equipment test and also failed.

**ACTION TAKEN:**

22NOV00: NAWC China Lake acknowledges receipt of reported deficiency. This deficiency is to remain open pending complete identification and repair of failed components from manufacturer. Request place KMU-556/B in Condition Code "F" and ship to NAWC China Lake. If possible consolidate failed asset with another failed asset.

29JAN01: NAWC China Lake requests if asset is still available, place KMU-556/B in Condition Code "F" and ship to Boeing. Advise NAWC China lake of mode of transport, document number and date of shipment. The change in shipping address is due to warranty plan changes that decrease delays in shipping, warranty repair and turnaround to the fleet.

ACTION	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	BOEING ST LOUIS	IDENTIFY AND REPAIR	20FEB01	OPEN

REFERENCES	IDENTIFICATION	REFERENCE BRIEF
	VFA-25 MESSAGE 121210ZNOV00	PROBLEM REPORT
	NAWC CHINA LAKE/47HE00D MESSAGE 221645ZNOV00	INTERIM RESPONSE
	NAWC CHINA LAKE/47HE00D MESSAGE 291722ZJAN01	SHIPPING INSTRUCTIONS

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PROBLEM NO: 16830 (Continued)

ACTION : VFA-115 CODR R09604-00-0040 03OCT00 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			
	S/N: 151636 01JAN20			
FAILED PART:	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			

**DESCRIPTION:**

Post load aircraft weapons check resulted in a weapons fail indication on station BIT and stores page. Memory unit and I-cable swapped with known good replacements with identical results. Weapon was then moved to another known good aircraft and station with identical results. Bottom port wing on guidance/tail section also found to be at rejection criteria limit.

**ACTION TAKEN:**

16OCT00: NAWC China Lake acknowledges receipt of reported deficiency. Request place KMU-556 in Condition Code "F". If empty CNU-589/E container is available return asset to NAWC China Lake. If empty container is not available hold asset until additional KMU-556 failure occurs and then ship the two failed assets in the same container. If additional failure does not occur by the end of deployment, ship failed asset with a good asset. Advise NAWC China Lake of mode of transport, document number and date of shipment.

ACTION	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	NAWC CHINA LAKE/47HE00D	INVESTIGATE	14JAN01	OPEN

REFERENCES	IDENTIFICATION	REFERENCE BRIEF
	VFA-115 MESSAGE 031830ZOCT00	PROBLEM REPORT
	NAWC CHINA LAKE/47HE00D MESSAGE 162008ZOCT00	INTERIM RESPONSE

ACTION : VFA-34 CODR V09070-00-0010 06AUG00 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			
	S/N: 162733 01JAN20			
FAILED PART:	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			

**DESCRIPTION:**

When weapon BIT was performed "WFAIL" was displayed on the Digital Display Indicator. Attempted to Re-BIT weapon with no success. The

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PROBLEM NO: 16830

(Continued)

cable was changed and weapon was again retested with no success. Weapon was loaded on second aircraft and failed weapons BIT with the same display indication.

**ACTION TAKEN:**

08AUG00: NAWC China Lake acknowledges receipt of reported deficiency. Request submit BIT fail code if known to NAWC China Lake. If unknown, send maintenance log file from AN/GYQ-79 as soon as possible. Place KMU-556/B in Condition Code "F" and hold for further disposition instructions.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC CHINA LAKE/47HE00D	PROVIDE DISPOSITION INSTRUCTIONS	06NOV00	OPEN

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		VFA-34 MESSAGE 061350ZAUG00	PROBLEM REPORT
		NAWC CHINA LAKE/47HE00D MESSAGE 080029ZAUG00	INTERIM RESPONSE

<b>ACTION</b>	<b>:</b>	<b>VFA-83</b>	<b>CODR</b>	<b>V09223-00-0018</b>	<b>30JUL00</b>	<b>OPEN</b>
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		<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>	<b>:</b>	70P860000-1XXX	1325	01-444-5122	EA69
		<b>NOMEN:</b> KMU-556/B			
		<b>S/N:</b> 162896 01JAN20			
<b>FAILED PART:</b>		70P860000-1XXX	1325	01-444-5122	EA69
		<b>NOMEN:</b> KMU-556/B			

**DESCRIPTION:**

During preflight check, weapon caused weapons fail. Testing of JDAM by G-3 Division confirmed the fail utilizing the AN/GYQ-79.

**ACTION TAKEN:**

11AUG00: NAWC China Lake acknowledges receipt of reported deficiency. Request submit BIT fail code if known to NAWC China Lake. If unknown, send maintenance log file from AN/GYQ-79 as soon as possible. Place KMU-556/B in Condition Code "F" and hold for further disposition instructions.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC CHINA LAKE/47HE00D	PROVIDE DISPOSITION INSTRUCTIONS	09NOV00	OPEN

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		VFA-83 MESSAGE 301233ZJUL00	PROBLEM REPORT
		NAWC CHINA LAKE/47HE00D MESSAGE 110529ZAUG00	INTERIM RESPONSE

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PROBLEM NO: 16830

(Continued)

ACTION : VFA-131 CODR R63934-00-0000 27JUN00 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			
	S/N: 156314			
FAILED PART:	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			

**DESCRIPTION:**

GBU-31 was loaded on station seven after release and control systems checks were completed. Aircraft was BIT checked and weapon checked good. Aircraft launched on mission but approximately 40 minutes into flight pilot received a station seven weapons fail indication on the Digital Display Indicator. Pilot made numerous attempts to clear weapons fail. Upon return to ship, ground crew completed post flight checks and no aircraft discrepancies were found. Aircraft was BIT checked by ground crew and weapons fail indication did not clear. Cable was changed with another known good cable. Aircraft was BIT checked again but weapons fail indication did not clear.

**ACTION TAKEN:**

05JUL00: NAWC China Lake acknowledges receipt of reported deficiency. Request provide correct Report Control Number for tracking purposes. Further request place KMU-556/B in Condition Code "F" and ship asset in CNU-589/E container to NAWC China Lake. Advise NAWC China Lake of mode of transport, document number and date of shipment.

29JAN01: NAWC China Lake requests the following information be provided to assist in Engineering Investigation: approximate number of CATS/TRAPS and flight hours on tail kit. Also approximate aircraft altitude-mach-maneuver at time of failure.

ACTION	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	NAWC CHINA LAKE/47HE00D	INVESTIGATE	29APR01	OPEN

REFERENCES	IDENTIFICATION	REFERENCE BRIEF
	VFA-131 MESSAGE 271700ZJUN00	PROBLEM REPORT
	NAWC CHINA LAKE/47HE00D MESSAGE 051029ZJUL00	INTERIM RESPONSE
	NAWC CHINA LAKE/47HE00D MESSAGE 291535ZJAN01	ADDITIONAL INFORMATION REQUEST

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PROBLEM NO: 16830

(Continued)

ACTION : VFA-131 CODR R63934-00-0008 11APR00 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			
	S/N: 156484 01JAN20			
FAILED PART:	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			

**DESCRIPTION:**

GBU-31 was loaded on station seven after release and control systems checks were completed. Aircraft was BIT checked and weapon checked good. GBU-31 was flown on mission and returned to ship. Post flight checks were completed with no discrepancies. Aircraft and weapons were flown on a second mission and immediately after launch pilot received a weapons fail indication on the Digital Display Indicator. Pilot made numerous attempts to clear weapons fail. Upon return to ship, ground crew completed post flight checks and no aircraft discrepancies were found. Aircraft was BIT checked by ground crew and weapons fail indication did not clear. Cable was changed with another known good cable. Aircraft was BIT checked again but weapons fail indication did not clear.

**ACTION TAKEN:**

19APR00: NAWC China Lake acknowledges receipt of reported deficiency. Request place KMU-556/B in Condition Code "F" and ship asset in CNU-589/E container to NAWC China Lake. Advise NAWC China Lake of mode of transport, document number and date of shipment.

ACTION	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	NAWC CHINA LAKE/47HE00D	IDENTIFY AND REPAIR	18JUL00	OPEN

REFERENCES	IDENTIFICATION	REFERENCE BRIEF
	VFA-131 MESSAGE 111700ZAPR00	PROBLEM REPORT
	NAWC CHINA LAKE/47HE00D MESSAGE 192033ZAPR00	INTERIM RESPONSE

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PROBLEM NO: 16879 OPEN |

END ITEM : NOMENCLATURE PART/DOC. NO. FSC NIIN NALC  
: KMU-556/B 70P860000-1XXX 1325 01-444-5122 EA69

EI CNTRL NO: 01-0033 |

PROB BRIEF : STRAKE T-BOLTS STRIPPED |

PROBLEM : Strake T-bolts were discovered to be stripped.  
DESCRIPTION

PREVENTIVE : No preventive action at this time.  
ACTION

CORRECTIVE : No corrective action at this time.  
ACTION

OCCURRENCES: SOURCE TYPE DOCUMENT NO. DATE DR STATUS  
: USS LINCOLN (CVN-72) CODR R21297-00-0819 02NOV00 OPEN

ACTION : USS LINCOLN (CVN-72) CODR R21297-00-0819 02NOV00 OPEN

END ITEM : PART/DOC. NO. FSC NIIN NALC  
: 70P860000-1XXX 1325 01-444-5122 EA69  
NOMEN: KMU-556/B  
S/N: 151636 01JAN20  
FAILED PART: FT4JF-350A XXXX XX-XXX-XXXX  
NOMEN: T-BOLT

**DESCRIPTION:**

During weapons inspection it was noticed that GBU-31 strakes were loose. Subsequent investigation revealed that the strake T-bolts were stripped below the point of insertion in the securing straps. Subject GBU-31 was assembled on 20 September 2000 and had accumulated approximately 12 captive missions. An inspection was performed on the remaining 11 assembled GBU-31's with negative results. No further or repeat deficiencies have been noted. During research originator discovered a strake bolt torque value discrepancy for the Teflon inserted nut in the NAVAIR 11-5A-37, SWP 072 01, PG-15 Storage and Maintenance Procedures and NA-A1-F18AE-LWS-000, F-18 Weapons Loading Manual. While this is not considered to be a contributing factor, it can create confusion between the Carrier Air Wing ordnancemen and the Aircraft Carrier ordnancemen for assembly and post flight turnaround inspection requirements of GBU-31 series weapons.

**ACTION TAKEN:**

22NOV00: NAWC China Lake acknowledges receipt of reported deficiency. The damaged T-bolts have been received and an

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PROBLEM NO: 16879

(Continued)

Engineering Investigation has been initiated. In order to eliminate confusion regarding torque requirements between the reference manuals, NAWC China Lake has issued Interim Rapid Action Changes against the manuals concerning security, alignment, added caution against possible upper aero surface interference with the FZU-48 and corrective action. Further request that GBU-31 weapons other than kit 151636 rejected due to strake movement be reassembled if no obvious material failure is noted. Report results of successful or unsuccessful re-assembly attempts to NAWC China Lake via e-mail. Investigation results will be provided upon completion.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC CHINA LAKE/47HE00D	INVESTIGATE	20FEB01	OPEN

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		USS LINCOLN (CVN-72) MESSAGE 022013ZNOV00	PROBLEM REPORT
		NAWC CHINA LAKE/47HE00D MESSAGE 221647ZNOV00	INTERIM RESPONSE

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PROBLEM NO: 16880 OPEN |

END ITEM : NOMENCLATURE PART/DOC. NO. FSC NIIN NALC  
: KMU-556/B 70P860000-1XXX 1325 01-444-5122 EA69

EI CNTRL NO: |

PROB BRIEF : WEAPON FAILED DETONATE ON IMPACT |

PROBLEM : Weapon guided to target but failed to detonate on impact.  
DESCRIPTION

PREVENTIVE : No preventive action at this time.  
ACTION

CORRECTIVE : No corrective action at this time.  
ACTION

OCCURRENCES:	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
	VFA-87	CODR	V63922-01-0027	07SEP01	CLOSED
	VFA-25	CODR	R09637-00-0044	30DEC00	CLOSED
	VFA-115	CODR	R09604-00-0053	03NOV00	OPEN
	VFA-113	CODR	R09092-00-0030	02NOV00	CLOSED

ACTION : VFA-87 CODR V63922-01-0027 07SEP01 CLOSED

END ITEM :	PART/DOC. NO.	FSC	NIIN	NALC
	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			
	S/N: 162883 01JAN20			
FAILED PART:	1379AS600	1325	01-349-6258	G119
	NOMEN: FUZE			

DESCRIPTION:

Aircraft launched and pilot reached target area. Pilot brought weapon up to the "Ready to Launch" with normal indications. JDAM released, struck target but failed to detonate as witnessed by pilot. No dud cue was present on the Heads up Display.

ACTION TAKEN:

10SEP01: VFA-87 resubmitted deficiency report to correct the statement in previous message that weapon was turned in. JDAM was not recovered.

13SEP01: NAWC China Lake acknowledges receipt of reported deficiency. Failure determination is unknown. Problem has been entered for tracking purposes only. This is closing action.

ACTION SUMMARY	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
	NAWC CHINA LAKE/47HE00D	REVIEW DEFICIENCY		COMPLETE 13SEP01



**JOINT DIRECT ATTACK MUNITIONS ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16880**

**(Continued)**

**DESCRIPTION:**

Mission pilot reported JDAM and aircraft met all launch criteria at weapon release. JDAM guided to target and failed to detonate on impact. Aircraft recovered and FZU-48 extractor wire was retained in center positive arm latch and MAU-182 swivel loop retained in aft solenoid of BRU-32 bomb rack.

**ACTION TAKEN:**

13NOV00: NAWC China Lake acknowledges receipt of reported deficiency. This deficiency will remain open for monitoring.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b> NAWC CHINA LAKE/47HE00D	<b>ASSIGNMENT</b> MONITOR	<b>DUE DATE STATUS</b> 11FEB01 OPEN
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<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b> VFA-115 MESSAGE 031330ZNOV00 NAWC CHINA LAKE/47HE00D MESSAGE 131724ZNOV00	<b>REFERENCE BRIEF</b> PROBLEM REPORT INTERIM RESPONSE
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<b>ACTION</b>	<b>:</b>	<b>VFA-113</b>	<b>CDR</b>	<b>R09092-00-0030</b>	<b>02NOV00 CLOSED</b>
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<b>END ITEM</b>	<b>:</b>	<b>PART/DOC. NO.</b> 70P860000-1XXX <b>NOMEN:</b> KMU-556/B <b>S/N:</b> 1262126 01JAN19	<b>FSC</b> 1325	<b>NIIN</b> 01-444-5122	<b>NALC</b> EA69
<b>FAILED PART:</b>		1379AS600 <b>NOMEN:</b> FUZE <b>LOT:</b> MGG92H010-013	1325	01-349-6258	G119

**DESCRIPTION:**

After normal release, weapon failed to high order detonate for unknown reason. Weapon was assembled on 20SEP00 and was previously flown on five flights. Weapon inspection and post load quality assurance inspection determined no discrepancies with weapon assembly or aircraft loading. Post flight aircraft inspection determined lanyard and MAU-182 swivel were retained on the BRU-32 indicating aircraft weapon system functioned normal. Weapon guided to impact area with no anomalies.

**ACTION TAKEN:**

25JAN01: NAWC China Lake acknowledges receipt of reported deficiency. Failure determination is unknown. Problem has been entered for tracking purposes only. This is closing action.

<b>ACTION SUMMARY</b>	<b>:</b>	<b>ACTIVITY/CODE</b> NAWC CHINA LAKE/47HE00D	<b>ASSIGNMENT</b> REVIEW DEFICIENCY	<b>DUE DATE STATUS</b> COMPLETE 25JAN01
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JOINT DIRECT ATTACK MUNITIONS ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16880

(Continued) |

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VFA-113 MESSAGE 021500ZNOV00	PROBLEM REPORT
	NAWC CHINA LAKE/47HE00D MESSAGE	REPLY/CLOSING
	251748ZJAN01	

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JOINT DIRECT ATTACK MUNITIONS ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16995 OPEN

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	KMU-556/B	70P860000-1XXX	1325	01-444-5122	EA69

EI CNTRL NO: 01-0036

PROB BRIEF : WEAPON FAILED TO RELEASE

PROBLEM : After depressing pickle button, weapon displayed hung and locked.  
DESCRIPTION

PREVENTIVE : No preventive action at this time.  
ACTION

CORRECTIVE : No corrective action at this time.  
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VFA-87	CODR	V63922-01-0025	09SEP01	OPEN
	VFA-87	CODR	V63922-01-0026	09SEP01	OPEN

ACTION : VFA-87 CODR V63922-01-0025 09SEP01 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			
	S/N: 158774 01JAN20			
FAILED PART:	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			

**DESCRIPTION:**

Weapon loaded with no irregularities noted. Aircraft was launched. Pilot reached target area having completed all applicable weapons release checks and weapon was in ready status. Immediately after depressing pickle button, Stores Management System display showed a hung and unlocked indication followed by a weapons fail. Upon return to ship, weapon was down loaded and ground crew performed MIL-STD-1760 test and parent rack release checks and aircraft passed all release checks. Weapon was turned in and Common Munitions BIT Reprogramming Equipment test was performed and weapon passed BIT.

**ACTION TAKEN:**

13SEP01: NAWC China Lake acknowledges receipt of reported deficiency. Request place KMU-556/B in Condition Code "F" and ship to NAWC China Lake. Recommend consolidate shipment with another tail kit. Advise NAWC China Lake of mode of transport, document number and date of shipment.



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JOINT DIRECT ATTACK MUNITIONS ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16998

OPEN

END ITEM	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
:	KMU-556/B	70P860000-1XXX	1325	01-444-5122	EA69
	KMU-558/B	70P860010-1003	1325	01-444-5122	EA76

EI CNTRL NO: 01-0038

PROB BRIEF : TAILKIT FAILED IBIT OUT OF THE CONTAINER

PROBLEM : Weapon failed pre-use IBIT.  
DESCRIPTION

PREVENTIVE : No preventive action at this time.  
ACTION

CORRECTIVE : No corrective action at this time.  
ACTION

OCCURRENCES:	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
	USS VINSON (CVN-70)	CODR	R20993-01-0065	18SEP01	OPEN
	USS VINSON (CVN-70)	CODR	R20993-01-0066	18SEP01	OPEN
	USS ENTERPRISE (CVN-65)	CODR	R03365-01-0030	14SEP01	OPEN

ACTION : USS VINSON (CVN-70) CODR R20993-01-0065 18SEP01 OPEN

END ITEM	PART/DOC. NO.	FSC	NIIN	NALC
:	70P860010-1003	1325	01-444-5122	EA76
	NOMEN: KMU-558/B			
	S/N: 175798 01JAN19			
FAILED PART:	70P860010-1003	1325	01-444-5122	EA76
	NOMEN: KMU-558/B			
	S/N: 175798			

**DESCRIPTION:**

During performance of pre use operations test, guidance fin failed IBIT. Three additional tests were performed and each resulted in IBIT failure. Guidance set was rejected.

**ACTION TAKEN:**

24SEP01: NAWC China Lake acknowledges receipt of reported deficiency. Request down load Common Munition BIT Reprogramming Equipment maintenance data and provide to NAWC China Lake. Mark KMU-556/B Condition Code "F" and stencil "Warranty Return Repair/Engineering Investigation" on the container. Recommend hold KMU-556/B tail kit until additional failure occurs and consolidate shipment. If additional failure does not occur and a light container is not available contact NAWC China Lake for additional instructions. Advise NAWC China Lake of mode of transport, document number and date of shipment.



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JOINT DIRECT ATTACK MUNITIONS ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16998 (Continued)

ACTION : USS ENTERPRISE CODR R03365-01-0030 14SEP01 OPEN  
(CVN-65)

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			
	S/N: 158873 01JAN19			
FAILED PART:	70P860000-1XXX	1325	01-444-5122	EA69
	NOMEN: KMU-556/B			
	S/N: 158873			

DESCRIPTION:

Pre-use IBIT performed using Common Munitions BIT Reprogramming Equipment. IBIT performed six times with failed results, IBIT result HEX Code 0000, Error Code-13. IBIT check timed out on all six tries and would not complete the check.

ACTION TAKEN:

19SEP01: NAWC China Lake acknowledges receipt of reported deficiency. Request place KMU-556/B in Condition Code "F" and ship in CNU-589/E container to NAWC China Lake. If empty CNU-589/E container is not available hold asset until additional KMU-556 failure occurs and then consolidate shipment. If empty container is not available and no additional failure occurs contact NAWC China Lake for further shipping instructions. Advise NAWC China Lake of mode of transport, document number and date of shipment.

ACTION	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	NAWC CHINA LAKE/47HE00D	INVESTIGATE	18DEC01	OPEN

REFERENCES	IDENTIFICATION	REFERENCE BRIEF
	USS ENTERPRISE (CVN-65) MESSAGE 142345ZSEP01	PROBLEM REPORT
	NAWC CHINA LAKE/47HE00D MESSAGE 191531ZSEP01	INTERIM RESPONSE

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JOINT DIRECT ATTACK MUNITIONS ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 17012 OPEN |

END ITEM : NOMENCLATURE PART/DOC. NO. FSC NIIN NALC  
: KMU-556/B 70P860000-1XXX 1325 01-444-5122 EA69

EI CNTRL NO: |

PROB BRIEF : FZU-48 SEPARATED FROM WEAPON UPON LAUNCH |

PROBLEM : Pilot reported FZU-48 separated from weapon upon launch and stayed  
DESCRIPTION with aircraft.

PREVENTIVE : No preventive action at this time.  
ACTION

CORRECTIVE : No corrective action at this time.  
ACTION

OCCURRENCES: SOURCE TYPE DOCUMENT NO. DATE DR STATUS  
: VFA-15 CODR V09015-01-0070 16OCT01 OPEN

ACTION : VFA-15 CODR V09015-01-0070 16OCT01 OPEN

END ITEM : PART/DOC. NO. FSC NIIN NALC  
: 70P860000-1XXX 1325 01-444-5122 EA69  
NOMEN: KMU-556/B  
S/N: UNKNOWN  
FAILED PART: 8385220 1325 01-210-6761  
NOMEN: INITIATOR, FUZE, BOMB

**DESCRIPTION:**

During bombing run, in support of operation "Enduring Freedom" pilot released GBU-31(V)-2/B from stations 2 and 8. Upon landing, ground crew noticed the FZU-48/B initiator was hanging from the lanyard on station 2 attached to the BRU-32 center positive arming latch. Upon review of the cockpit recording system, only one GBU-31(V)2/B detonated.

**ACTION TAKEN:**

22OCT01: NAWC China Lake acknowledges receipt of reported deficiency. The probable cause of the FZU-48 departure from GBU-31(V)2/B JDAM is due to inadequate extension of the serrated teeth of the FZU-48 in to threads of the charging well in the MK-84 bomb. Improper serrated teeth engagement is usually due to stripped socket head screws in the top of the initiator. This is commonly caused by over torque of socket head screws with Allen wrench if FZU has been previously assembled. An additional possibility is that if a rounded, stripped or improperly sized Allen wrench that would not fully engage socket head screws. Note: If socket head screws are not snug due to failure of tools, screws or improper procedures, the

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JOINT DIRECT ATTACK MUNITIONS ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 17012

(Continued)

screws could have vibrated loose in flight. Recommend that all G-3 divisions (or MALS as applicable) check condition of Allen head wrenches to insure they are not stripped/rounded, inspect initiator in accordance with proper manuals during assembly to include functionality of socket head screws and serrated teeth. Recommend organizational units inspect installation of FZU initiators prior to loading and after flights for security. FZU-48 initiator should not be loose. Warning: Do not pull initiator lanyard to check security of FZU. If initiator is functioned through inadvertent pulling of lanyard and opening of cover it is unserviceable and must be replaced prior to flight. Closing initiator cover does not reset initiator. Request digital photos of discrepant FZU-48 be sent to NAWC China Lake. Request photos focus on serrated teeth, top of box head screws, connector end and top of initiator.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		NAWC CHINA LAKE/47HE00D	REVIEW PHOTOS	20JAN02	OPEN

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		VFA-15 MESSAGE 161727Z OCT01	PROBLEM REPORT
		NAWC CHINA LAKE/47HE00D MESSAGE	INTERIM RESPONSE
		222233Z OCT01	