

T.O. 31M1-2FMQ13-6WC-1

**SCHEDULED PERIODIC INSPECTION WORK CARDS
WIND MEASURING SET
AN/FMQ-13(V)**

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Published under authority of the Secretary of the Air Force.

**1 SEPTEMBER 1993
CHANGE 5 - 23 APRIL 1998**

T.O. 31M1-2FMQ13-6WC-1
LIST OF EFFECTIVE CARDS

INSERT LATEST CHANGE CARD. DESTROY SUPERSEDED CARDS.

NOTE: THE PORTIONS OF THE TEXT AFFECTED BY THE CHANGES ARE INDICATED BY A VERTICAL LINE IN THE OUTER MARGIN OF THE CARD.

Dates of issue for original and changed cards are:

Original.....0 1 Sep 93	Change.....3 2 Jul 97
Change.....1 10 Feb 95	Change.....4 23 Feb 98
Change.....2 13 Dec 95	Change.....5 23 Apr 98

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MAN MIN	WORK AREA	WORK UNIT		INTRODUCTION	INSPECTION REQUIREMENTS	ELECTRICAL POWER	SERVICE	CARD NO. ii										
		SYS	SUB-SYS															
				<p>The equipment covered by these workcards is as follows:</p> <table border="0"> <thead> <tr> <th>NOMENCLATURE</th> <th>COMMON NAME</th> </tr> </thead> <tbody> <tr> <td>Digital Display Indicator ID-2408/FMQ-13(V)</td> <td>Indicator</td> </tr> <tr> <td>Wind Direction and Speed Recorder RO-558/FMQ-13(V)</td> <td>Recorder</td> </tr> <tr> <td>Wind Direction and Speed Sensor, Standard ML-660/FMQ-13(V)</td> <td>Sensor, Standard</td> </tr> <tr> <td>Wind Direction and Speed Sensor, Rugged ML-660A/FMQ-13(V)</td> <td>Sensor, Rugged</td> </tr> </tbody> </table> <p>(continued on back)</p>	NOMENCLATURE	COMMON NAME	Digital Display Indicator ID-2408/FMQ-13(V)	Indicator	Wind Direction and Speed Recorder RO-558/FMQ-13(V)	Recorder	Wind Direction and Speed Sensor, Standard ML-660/FMQ-13(V)	Sensor, Standard	Wind Direction and Speed Sensor, Rugged ML-660A/FMQ-13(V)	Sensor, Rugged				
NOMENCLATURE	COMMON NAME																	
Digital Display Indicator ID-2408/FMQ-13(V)	Indicator																	
Wind Direction and Speed Recorder RO-558/FMQ-13(V)	Recorder																	
Wind Direction and Speed Sensor, Standard ML-660/FMQ-13(V)	Sensor, Standard																	
Wind Direction and Speed Sensor, Rugged ML-660A/FMQ-13(V)	Sensor, Rugged																	
CARD NO. ii	WORK AREA(S)			TYPE MECH RQR	MECH NO	CARD TIME	PUBLICATIONNUMBER TO 31M1-2FMQ13-6WC-1											

MAN MIN	WORK AREA	WORK UNIT		INTRODUCTION	INSPECTION REQUIREMENTS	ELECTRICAL POWER	SERVICE	CARD NO. iii
		SYS	SUB-SYS					
				<p>The applicable technical manuals for the equipment covered by these workcards is as follows:</p> <p>TO 31M1-2FMQ13-1 Operation Instruction Manual for Wind Measuring Set AN/FMQ-13(V)</p> <p>TO 31M1-2FMQ13-2 Maintenance Instruction Manual for Wind Measuring Set AN/FMQ-13(V)</p> <p>TO 31M1-2FMQ13-3 Circuit Diagrams Manual for Wind Measuring Set AN/FMQ-13(V)</p> <p>TO 31M1-2FMQ13-4 Illustrated Parts Breakdown for Wind Measuring Set AN/FMQ-13(V)</p> <p>TO 31M1-1-06 Work Unit Code Manual for Wind Measuring Set AN/FMQ-13(V)</p>				

MAN MIN	WORK AREA	WORK UNIT		INTRODUCTION	INSPECTION REQUIREMENTS	ELECTRICAL POWER	SERVICE	CARD NO. iv
		SYS	SUB-SYS					
				<p>(cont.) The applicable technical manuals for the equipment covered by these workcards is as follows:</p> <p>TO 31S5-4-3516-1 4019-12 Operation Manual, Printer Model ML182 <i>4 Techs</i></p> <p>TO 31S5-4-3516-2 <i>4019-12</i> Maintenance Manual, Printer Model ML182 <i>4 Techs</i></p>				

MAN MIN	WORK AREA	WORK UNIT		SECTION 1	INSPECTION REQUIREMENTS	ELECTRICAL POWER	SERVICE	CARD NO. 1-001
		SYS	SUB-SYS					
				INSPECTION REQUIREMENTS <ol style="list-style-type: none"> 1. These inspection workcards provide the requirements for inspection and will be used as a guide in performing the inspection to insure that no item is overlooked. The card size affords convenient handling by maintenance personnel while performing an inspection. Work assignment information is provided at the beginning of each card to permit establishment of a convenient filing system for the set of cards and in making work assignments to maintenance personnel. 2. Detailed instructions for the use of these cards and the description and application of other forms and charts to be used in conjunction with these cards are contained in 00-20 series technical orders. 				
CARD NO. 1-001	WORK AREA(S)			TYPE MECH RQR	MECH NO	CARD TIME	PUBLICATION NUMBER TO 31M1-2FMQ13-6WC-1	

MAN MIN	WORK AREA	WORK UNIT		INSPECTION REQUIREMENTS	ELECTRICAL POWER	SERVICE	CARD NO. 1-001
		SYS	SUB-SYS				

MAN MIN	WORK AREA	WORK UNIT CODE		28 DAY INSPECTION	INSPECTION REQUIREMENTS	ELECTRICAL POWER OFF	SERVICE OUT	FIGURE	CARD NO. 1-002
		SYS	SUB						
006		AA AA	COO DOO	<p>WARNING</p> <p>THE SPIKES ON THE TOP OF SENSOR ASSEMBLY ARE VERY SHARP USE CAUTION WHEN PERFORMING THE FOLLOWING PROCEDURES.</p> <p>1. WIND DIRECTION AND SPEED SENSOR ML-660/FMQ-13(V) AND ML-660A/FMQ-13(V) FOR INSPECTION OF SENSOR ASSEMBLY (REFER TO SECTION 5-7.4.1 OF T.O. 31M1-2FMQ13-2)</p> <p>A MATERIALS REQUIRED</p> <p>(1) LINT-FREE CLOTH MOISTENED WITH WATER</p> <p>B INSPECT ANEMOMETER ASSEMBLY (1) FOR DAMAGE AND SIGNS OF DETERIORATION.</p> <p>C INSPECT CAGE FOR BENT BARS. IF BARS ARE BENT, REPAIR IS REQUIRED IF NECESSARY, REMOVE DIRT FROM BARS USING A LINT-FREE CLOTH MOISTENED WITH WATER.</p> <p>D ENSURE THAT ELEMENT PAIR IS CENTERED AND HORIZONTAL. IF NOT, REPAIR IS REQUIRED.</p> <p>E INSPECT THE ELEMENT PAIR FOR CLEANLINESS IF NECESSARY, CLEAN PER CARD 2-002</p> <p>(CONTINUED ON BACK)</p>					
CARD NO. 1-002	WORK AREA(S)		TYPE MECH RQR	MECH NO	CARD TIME 006	PUBLICATION NUMBER T.O. 31M1-2FMQ13-6WC-1 2 JUL 97		CHANGE NO. 3	

MAN MIN	WORK AREA	WORK UNIT		28 DAY INSPECTION	INSPECTION REQUIREMENTS	ELECTRICAL POWER OFF	SERVICE OUT	CHANGE NO 3	CARD NO 1-002
		SYS	SUB SYS						
		AA AA	C00 D00	<p>The diagram illustrates a component assembly for a nuclear reactor. It features a central 'CAGE' structure. On top of the cage, there are four vertical 'SPIKE's. Below the spikes is a 'TOP PLATE'. An 'ELEMENT PAIR' is shown being inserted into the cage from the right. A 'CAUTION' label is attached to the bottom of the cage, with the text: 'CAUTION', 'All parts of reactor', 'are under test', 'Do not touch'.</p>					

MAN MIN	WORK AREA	WORK UNIT CODE		INSPECTION REQUIREMENTS	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.
		SYS	SUB					
				28 DAY INSPECTION	ON	IN		1-003
006		AA AA	COO DOO	<p>2. WIND DIRECTION AND SPEED SENSOR ML-660/FMQ-13(V) AND ML-660A/FMQ-13(V) FOR ELECTRICAL TEST OF CONTROL ASSEMBLY.</p> <p>A. EQUIPMENT REQUIRED</p> <p>(1) STATIC SENSOR ASSEMBLY (P/N 66733-6661-1019), OR EQUIVALENT "ZERO WIND CAP."</p> <p>B. USE THE STATIC SENSOR ASSEMBLY TO CHECK SENSOR ELECTRONICS WITH THE STATIC SENSOR ASSEMBLY PLACED OVER THE SENSOR HEAD, ZERO KNOTS OR 1 KNOT SHOULD BE DISPLAYED ON THE SPEED DISPLAYS OF ALL INDICATORS AND RECORDERS. IT IS NECESSARY TO ALLOW AT LEAST 2 MINUTES AFTER PLACING THE ZERO CAP ON THE SENSOR HEAD TO REACH AN AVERAGE READING OF ZERO OR 1 KNOT. READINGS ABOVE 1 KNOT REQUIRE REPAIR OF THE CONTROL ASSEMBLY.</p>				
CARD NO. 1-003	WORK AREA(S)		TYPE MECH RQR	MECH NO	CARD TIME 006	PUBLICATION NUMBER T.O. 31M1-2FMQ13-6WC-1 2 JUL 97		CHANGE NO. 3

MAN MIN	WORK AREA	WORK UNIT CODE		56 DAY INSPECTION	INSPECTION REQUIREMENTS	ELECTRICAL POWER ON	SERVICE IN	FIGURE	CARD NO. 1-003A
		SYS	SUB						
004		AA AA	C00 D00	<p>WIND DIRECTION AND SPEED SENSOR ML-660/FMQ-13(V) AND ML-660A/FMQ-13(V) CORROSION PREVENTION AND CONTROL</p> <p>A. VISUALLY INSPECT THE COMPLETE SYSTEM FOR EVIDENCE OF CORROSION. PROCEDURES FOR IDENTIFICATION, ISOLATION, AND CONTROL OF CORROSION ARE IDENTIFIED IN THE FOLLOWING TECHNICAL ORDERS:</p> <p>(1) T.O. 1-1-8 APPLICATION AND REMOVAL OF ORGANIC COATINGS, AEROSPACE, AND NON-AEROSPACE.</p> <p>(2) T.O. 1-1-689 AVIONICS CLEANING AND CORROSION PREVENTION/CONTROL.</p>					
CARD NO. 1-003A	WORK AREA(S)		TYPE MECH RQR	MECH NO	CARD TIME 004	PUBLICATION NUMBER T.O. 31M1-2FMQ13-6WC-1		23 FEB 98	CHANGE NO. 4

MAN MIN	WORK AREA	WORK UNIT CODE		84 DAY INSPECTION	INSPECTION REQUIREMENTS	ELECTRICAL POWER ON	SERVICE IN	FIGURE	CARD NO. 1-004
		SYS	SUB						
004		AA	AOO	1	DIGITAL DISPLAY INDICATOR ID-2408/FMQ-13(V) FOR INSPECTION OF EXTERNAL SURFACES				
				A	INSPECT EXTERNAL SURFACES FOR CLEANLINESS. REMOVE DUST, DIRT, AND MOISTURE FROM EQUIPMENT EXTERNAL SURFACES WITH A SOFT LINT-FREE CLOTH.				
002		AA	AOO	2	DIGITAL DISPLAY INDICATOR ID-2408/FMQ-13(V) FOR INSPECTION OF PUSHBUTTON SWITCHES.				
				A	CHECK THE MECHANICAL OPERATION OF ALL PUSHBUTTON SWITCHES ALL PUSHBUTTON SWITCHES SHOULD WORK PROPERLY AND NOT BIND				
001		AA	AOO	3	DIGITAL DISPLAY INDICATOR ID-2408/FMQ-13(V) FOR INSPECTION OF INTENSITY CONTROL				
				A.	ROTATE THE INTENSITY CONTROL FROM FULL COUNTERCLOCKWISE TO FULL CLOCKWISE POSITION AND CHECK FOR EASE OF TRAVEL. MAKE SURE KNOB IS TIGHTENED ON SHAFT ENSURE THAT INTENSITY VARIES (FULL COUNTERCLOCKWISE IS OFF).				
CARD NO. 1-004	WORK AREA(S)			TYPE MECH RQR	MECH NO	CARD TIME 007	PUBLICATION NUMBER T.O. 31M1-2FMQ13-6WC-1 2 JUL 97		CHANGE NO. 3

MAN MIN	WORK AREA	WORK UNIT CODE		84 DAY INSPECTION	INSPECTION REQUIREMENTS	ELECTRICAL POWER ON	SERVICE IN	FIGURE	CARD NO. 1-005
		SYS	SUB						
002		AA	A00	4. DIGITAL DISPLAY INDICATOR ID-2408/FMQ-13(V) FOR INSPECTION OF LAMP TEST PUSHBUTTON. A. DEPRESS AND HOLD THE LAMP TEST PUSHBUTTON WHILE OBSERVING THE 7 SEGMENT DISPLAYS. ALL 7 SEGMENT DISPLAYS DISPLAY A NUMBER 8. 5. DIGITAL DISPLAY INDICATOR ID-2408/FMQ-13(V) FOR INSPECTION OF 7 SEGMENT DISPLAYS. A. PERFORM DISPLAY TEST PER PARAGRAPH 5-3.4 OF MAINTENANCE INSTRUCTION MANUAL, T.O. 31M1-2FMQ13-2. B. VERIFY THAT THE CONFIGURATION CODE DISPLAYED BY THE GUST DISPLAY WHEN IN STATUS DISPLAY MODE AGREES WITH THE POSITION OF THE CONFIGURATION SWITCH (1-MASTER, 2=BACKUP, 3=REGULAR). (CONTINUED ON BACK)					
002		AA	A00						
CARD NO. 1-005	WORK AREA(S)		TYPE MECH RQR	MECH NO	CARD TIME 004	PUBLICATION NUMBER T.O. 31M1-2FMQ13-6WC-1		23 FEB 98	CHANGE NO. 4

MAN MIN	WORK AREA	WORK UNIT CODE		84 DAY INSPECTION	INSPECTION REQUIREMENTS	ELECTRICAL POWER ON	SERVICE IN	FIGURE	CARD NO. 1-005	
		SYS	SUB							
				<p>C. VERIFY THAT NO ERROR CODES ARE DISPLAYED. STATUS DISPLAY READS 00 TO 04. OTHER CODES REQUIRE MAINTENANCE ACTION.</p> <p>D. IF POSSIBLE, OBSERVE THE WIND DATA ON THE WIND DIRECTION, WIND SPEED, GUSTS, DIRECTION VARIABILITY, and GUSTS SPREAD DISPLAY. COMPARE WITH WIND DATA OBSERVED ON OTHER INDICATORS AND RECORDERS. WIND DATA DISPLAYED SHOULD CORRESPOND TO WIND DATA DISPLAYED ON OTHER INDICATORS AND RECORDERS.</p> <p style="text-align: center;">NOTE</p> <p style="text-align: center;">WIND DATA IS UPDATED ON A RECORDER'S DISPLAY ONLY ONCE PER MINUTE, ON THE MINUTE. THEREFORE, A GIVEN RECORDER'S DISPLAY MAY ONLY CORRESPOND TO OTHER INDICATORS AND RECORDERS ONCE PER MINUTE AND FOR AS LITTLE AS 5 SECONDS.</p>						

MAN MIN	WORK AREA	WORK UNIT		INSPECTION REQUIREMENTS	ELECTRICAL POWER	ON	SERVICE IN	CARD NO. 1-006
		SYS	SUB-SYS					
84 DAY INSPECTION								
004		AA	B00	<p>1. Wind Direction and Speed Recorder RO-558/FMQ-13(V) for inspection of interconnection cables.</p> <p>A. Inspect all cables (power and signal) for corrosion, damaged insulation, and other signs of deterioration. Replace defective cables.</p> <p>B. Make sure that cable connectors are securely connected to connectors on rear panel. Tighten if necessary.</p>				
002		AA	B00	<p>2. Wind Direction and Speed Recorder RO-558/FMQ-13(V) for inspection of assembly mounting.</p> <p>A. Inspect that assembly is securely mounted. Tighten all attaching hardware.</p>				
(continued on back)								
CARD NO. 1-006		WORK AREA(S)		TYPE MECH RQR	MECH NO	CARD TIME 014	PUBLICATION NUMBER TO 31M1-2FMQ13-6WC-1	

MAN MIN	WORK AREA	WORK UNIT		INSPECTION REQUIREMENTS	ELECTRICAL POWER	ON	SERVICE IN	CARD NO. 1-006
		SYS	SUB-SYS					
				84 DAY INSPECTION				
002		AA	B00	<p>3. Wind Direction and Speed Recorder RO-558/FMQ-13(V).</p> <p>A. Make sure that all connectors are tightly secured to rear panel.</p>				
004		AA	B00	<p>4. Wind Direction and Speed Recorder RO-558/FMQ-13(V) for inspection of external surfaces.</p> <p>A. Inspect external surfaces for cleanliness. Remove dust, dirt, and moisture from equipment external surfaces with a soft, lint-free cloth.</p>				
002		AA	B00	<p>5. Wind Direction and Speed Recorder RO-588/FMQ-13(V) for operation of pushbutton switches.</p> <p>A. Check the mechanical operation of all pushbutton switches. All pushbutton switches should work properly and not bind.</p>				

MAN MIN	WORK AREA	WORK UNIT CODE		84 DAY INSPECTION	INSPECTION REQUIREMENTS	ELECTRICAL POWER ON	SERVICE IN	FIGURE	CARD NO. 1-007
		SYS	SUB						
001		AA	B00	<p>6. WIND DIRECTION AND SPEED RECORDER R0-558/FMQ-13(V) FOR INSPECTION OF INTENSITY CONTROL.</p> <p>A. ROTATE THE INTENSITY CONTROL FROM FULL COUNTERCLOCKWISE TO FULL CLOCKWISE POSITION AND CHECK FOR EASE OF TRAVEL. MAKE SURE KNOB IS TIGHTENED ON SHAFT. ENSURE THAT THE INTENSITY VARIES (FULL COUNTERCLOCKWISE IS OFF).</p> <p>(CONTINUED ON BACK)</p>					
CARD NO. 1-007	WORK AREA(S)		TYPE MECH RQR	MECH NO	CARD TIME 003	PUBLICATION NUMBER T.O. 31M1-2FMQ13-6WC-1		23 FEB 98	CHANGE NO. 4

MAN MIN	WORK AREA	WORK UNIT CODE		INSPECTION REQUIREMENTS	ELECTRICAL POWER ON	SERVICE IN	FIGURE	CARD NO. 1-007
		SYS	SUB					
002		AA	B00	<p align="center">84 DAY INSPECTION</p> <p>7. WIND DIRECTION AND SPEED RECORDER RO-558/FMQ-13(V) FOR INSPECTION OF PRINTER CHASSIS SLIDES.</p> <p>A. CHECK THE PRINTER CHASSIS SLIDES FOR EASE OF OPERATION. IF BINDING OCCURS, LUBRICATION IS REQUIRED. SEE CARD 2-004.</p>				

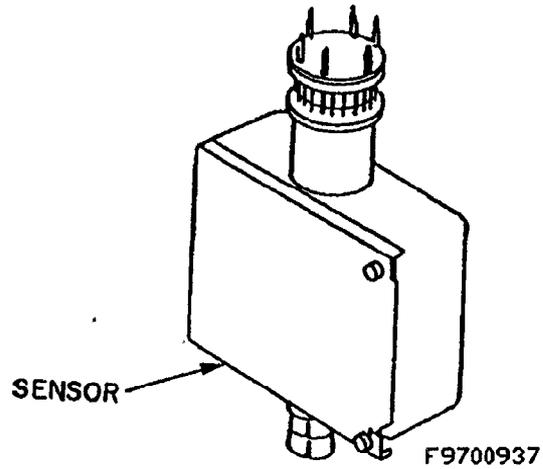
MAN MIN	WORK AREA	WORK UNIT		84 DAY INSPECTION	INSPECTION REQUIREMENTS	ELECTRICAL POWER	ON	SERVICE IN	CARD NO. 1-008
		SYS	SUB-SYS						
002		AA	B00	<p>8. Wind Direction and Speed Recorder RO-558/FMQ-13(V) for inspection of LAMP TEST pushbutton.</p> <p>A. Depress and hold the LAMP TEST pushbutton while observing the 7-segment displays. All 7-segment displays display a number 8.</p>					
002		AA	B00	<p>9. Wind Direction and Speed Recorder RO-558/FMQ-13(V) for inspection of 7-segment displays.</p> <p>A. Perform display test per paragraph 5-3.4 of Maintenance Instruction Manual, TO 31M1-2FMQ13-2.</p> <p style="text-align: right;">(continued on back)</p>					
CARD NO. 1-008		WORK AREA(S)		TYPE MECH RQR	MECH NO	CARD TIME 004	PUBLICATION NUMBER TO 31M1-2FMQ13-6WC-1 10 FEB 95		

MAN MIN	WORK AREA	WORK UNIT		INSPECTION REQUIREMENTS	ELECTRICAL POWER	ON	SERVICE IN	CARD NO. 1-008	
		SYS	SUB-SYS						
				84 DAY INSPECTION					
				<p>B. Verify that the configuration code displayed by the GUST display when in STATUS DISPLAY mode agrees with the position of the CONFIGURATION switch (1=master, 2=backup, 3=regular).</p> <p>C. Verify that no error codes are displayed. STATUS display reads 00 or 04.</p> <p>D. If possible, observe the wind data on the WIND DIRECTION, WIND SPEED, GUSTS, DIRECTION VARIABILITY, and GUSTS SPREAD display. Compare with wind data observed on other indicators and recorders. Wind data displayed should correspond to wind data displayed on other indicators and recorders.</p> <p style="text-align: center;">NOTE</p> <p style="text-align: center;">Wind data is updated on a recorder's display only once per minute on the minute. Therefore, a given recorder's display may only correspond to other indicators and recorders once per minute and for as little as 5 seconds.</p>					
								CHANGE 1	

MAN MIN	WORK AREA	WORK UNIT CODE		INSPECTION REQUIREMENTS	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.	
		SYS	SUB						
				84 DAY INSPECTION	OFF	OUT		1-009	
002			B00	<p style="text-align: center;">WARNING</p> <p style="text-align: center;">THE SPIKES ON THE TOP OF SENSOR ASSEMBLY ARE VERY SHARP. USE CAUTION WHEN PERFORMING THE FOLLOWING PROCEDURES.</p> <ol style="list-style-type: none"> 1 WIND DIRECTION AND SPEED SENSOR ML-680/FMQ-13(V) AND ML-660A/FMQ-13(V) FOR INSPECTION OF ASSEMBLY MOUNTING. <ol style="list-style-type: none"> A CHECK ALL EXTERNAL HARDWARE AND FASTENERS THAT THEY ARE TIGHTLY SECURE B INSPECT THAT U-BOLT USED TO SECURE THE POWER ASSEMBLY TO MAST IS IN PLACE AND THAT ATTACHING HARDWARE IS TIGHT C VERIFY THAT THE ASSEMBLY IS ALIGNED TO NORTH (USE LOWER ELEMENT AS SIGHT TO NORTH ALIGNMENT POLE IN FIELD). 2 WIND DIRECTION AND SPEED SENSOR ML-680/FMQ-13(V) AND ML-660A/FMQ-13(V) FOR INSPECTION OF EXTERNAL SURFACES <ol style="list-style-type: none"> A INSPECT EXTERNAL SURFACES FOR CLEANLINESS REMOVE DUST, DIRT, AND MOISTURE FROM EQUIPMENT EXTERNAL SURFACES WITH A SOFT, LINT-FREE CLOTH. 					
CARD NO. 1-009	WORK AREA(S)			TYPE MECH RQR	MECH NO	CARD TIME 002	PUBLICATION NUMBER T.O. 31M1-2FMQ13-6WC-1 2 JUL 97		CHANGE NO. 3

MAN MIN	WORK AREA	WORK UNIT CODE		INSPECTION REQUIREMENTS	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.
		SYS	SUB					
				336 DAY INSPECTION	OFF	OUT		1-010
004		AA AA	C00 D00	<p style="text-align: center;">WARNING</p> <p style="text-align: center;">THE SPIKES ON THE TOP OF SENSOR ASSEMBLY ARE VERY SHARP. USE CAUTION WHEN PERFORMING THE FOLLOWING PROCEDURES.</p> <p>1 WIND DIRECTION AND SPEED SENSOR ML-660/FMQ-13(V) AND ML-660A/FMQ-13(V) INSPECTION FOR INTERCONNECTING WIRES AND CABLES</p> <p style="text-align: center;">WARNING</p> <p style="text-align: center;">HAZARDOUS VOLTAGE. REMOVE POWER AT THE AC SERVICE PRIOR TO PROCEEDING WITH THE FOLLOWING STEP FAILURE TO DO SO MAY CAUSE INJURY OR DEATH</p> <p>A. REMOVE POWER.</p> <p>B. OPEN FRONT COVER OF POWER ASSEMBLY AND INSPECT ALL INTERCONNECTING WIRES AND CABLES FOR SIGNS OF BREAKS, BENDS, AND OTHER SIGNS OF DETERIORATION.</p> <p>C. MAKE SURE ALL TERMINAL BLOCK CONNECTIONS ARE SECURE TIGHTEN IF NECESSARY.</p> <p>D. MAKE SURE ALL SUBASSEMBLY MOUNTING HARDWARE IS SECURE. TIGHTEN IF NECESSARY</p> <p>E. INSPECT GASKET ON DOOR AND REPLACE IF NECESSARY</p>				
CARD NO. 1-010	WORK AREA(S)		TYPE MECH RQR	MECH NO	CARD TIME 004	PUBLICATION NUMBER T.O. 31M1-2FMQ13-6WC-1 2 JUL 97		CHANGE NO. 3

PUBLICATION NUMBER	INSPECTION REQUIREMENTS	FIGURE	CHANGE NO.	CARD NO.
T.O. 31M1-2FMQ13-6WC-1 2 JUL 97	336 DAY INSPECTION		3	1-010



MAN MIN	WORK AREA	WORK UNIT CODE		INSPECTION REQUIREMENTS	ELECTRICAL POWER ON	SERVICE IN	FIGURE	CARD NO. 1-011	
		SYS	SUB						
				336 DAY INSPECTION					
004		AA	A00	1 DIGITAL DISPLAY INDICATOR ID-2408/FMQ-13(V) FOR INSPECTION OF INTERCONNECTION CABLES A INSPECT ALL CABLES (POWER AND SIGNAL) FOR CORROSION, DAMAGED INSULATION, AND OTHER SIGNS OF DETERIORATION. REPLACE DEFECTIVE CABLES. B MAKE SURE THAT CABLE CONNECTORS ARE SECURELY CONNECTED TO CONNECTORS ON REAR PANEL. TIGHTEN IF NECESSARY.					
002		AA	A00	2. DIGITAL DISPLAY INDICATOR ID-2408/FMQ-13(V) FOR INSPECTION OF ASSEMBLY MOUNTING A. INSPECT THAT ASSEMBLY IS SECURELY MOUNTED TIGHTEN ALL ATTACHING HARDWARE.					
001		AA	A00	3. DIGITAL DISPLAY INDICATOR ID-2408/FMQ-13(V) FOR INSPECTION OF CONNECTORS A. MAKE SURE THAT ALL CONNECTORS ARE TIGHTLY SECURED TO REAR PANEL					
CARD NO. 1-011	WORK AREA(S)			TYPE MECH RQR	MECH NO	CARD TIME 007	PUBLICATION NUMBER T.O. 31M1-2FMQ13-6WC-1	SERVICE DATE 2 JUL 97	CHANGE NO. 3

MAN MIN	WORK AREA	WORK UNIT		SECTION II	INSPECTION REQUIREMENTS	ELECTRICAL POWER	SERVICE	CARD NO. 2-001
		SYS	SUB-SYS					
				<p>SERVICE AND LUBRICATION REQUIREMENTS</p> <p>These workcards provide the requirements for service and lubrication and will be used as a guide in performing the service and lubrication to make sure no item is overlooked.</p>				
CARD NO 2-001	WORK AREA(S)		TYPE MECH RQR	MECH NO	CARD TIME	PUBLICATIONNUMBER TO 31M1-2FMQ13-6WC-1		

MAN MIN	WORK AREA	WORK UNIT CODE		28 DAY SERVICE	INSPECTION REQUIREMENTS	ELECTRICAL POWER OFF	SERVICE OUT	FIGURE	CARD NO. 2-002	
		SYS	SUB							
10		AA/AA	C00/ D00	<p>1. WIND DIRECTION AND SPEED SENSOR ML-660/FMQ-13(V) AND ML-660A/FMQ-13(V), CLEANING OF SENSOR ELEMENTS (REFER TO SECTION 5-8.1 OF T.O. 31M1-2FMQ13-2).</p> <p style="text-align: center;">NOTE</p> <p style="text-align: center;">CLEAN SENSOR ELEMENTS ONLY AS REQUIRED</p> <p style="text-align: center;">WARNING</p> <p style="text-align: center;">REMOVE POWER FROM THE SENSOR BEFORE ATTEMPTING TO CLEAN THE ELEMENTS. FAILURE TO REMOVE POWER MAY CAUSE INJURY TO PERSONNEL AND/OR DAMAGE TO EQUIPMENT.</p> <p style="text-align: center;">THE SPIKES ON TOP OF THE SENSOR HAVE SHARP POINTS. USE CAUTION WHEN PERFORMING THE FOLLOWING PROCEDURE. FAILURE TO DO SO CAN CAUSE INJURY.</p> <p>A. MATERIALS REQUIRED.</p> <p>(1) AEROSOL DUSTER (PN MS-222N OR EQUIVALENT).</p> <p>(2) NO. 1 STENCIL BRUSH.</p> <p>(3) ISOPROPYL ALCOHOL IN SPRAY APPLICATOR BOTTLE.</p> <p>(4) SAFETY GLASSES.</p>						
CARD NO. 2-002	WORK AREA(S)			TYPE MECH RQR	MECH NO	CARD TIME 010	PUBLICATION NUMBER T.O. 31M1-2FMQ13-6WC-1		23 APR 98	CHANGE NO. 5

MAN MIN	WORK AREA	WORK UNIT CODE		INSPECTION REQUIREMENTS	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.	
		SYS	SUB						
				28 DAY SERVICE	OFF	OUT		2-002	
				<p>CAUTION</p> <p>SENSOR ELEMENTS ARE FRAGILE. USE CARE WHILE CLEANING THE ELEMENTS TO AVOID BREAKAGE.</p> <p>NOTE</p> <p>ALLOW SENSOR ELEMENTS A 25 - 30 MINUTE COOLING PERIOD PRIOR TO CLEANING.</p> <p>B. TURN POWER OFF.</p> <p>WARNING</p> <p>COMPRESSED AIR IS DANGEROUS AND CAN CAUSE SERIOUS BODILY HARM. USE PROTECTIVE EYE COVERING SUCH AS SAFETY GLASSES WHEN CLEANING THE SENSOR ELEMENTS. IT CAN ALSO CAUSE MECHANICAL DAMAGE TO THE EQUIPMENT. DO NOT USE COMPRESSED AIR TO DRY PARTS WHERE CLEANING COMPOUNDS HAVE BEEN USED.</p> <p>C. FIRST TRY TO BLOW DUST AND DIRT FROM THE ELEMENTS WITH SHORT BLASTS OF AEROSOL DUSTER (PN MS-222N OR EQUIVALENT). ELEMENTS SHOULD APPEAR SMOOTH. COLOR CAN RANGE FROM SILVER TO GRAY.</p>					

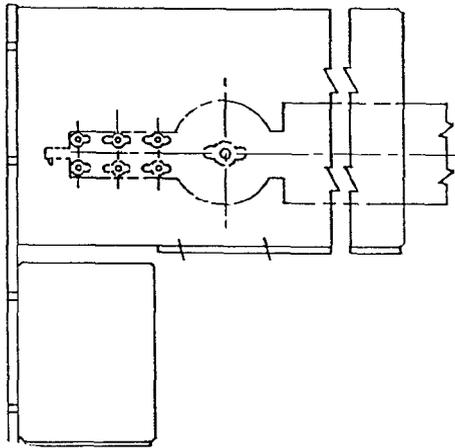
MAN MIN	WORK AREA	WORK UNIT CODE		28 DAY SERVICE	INSPECTION REQUIREMENTS	ELECTRICAL POWER OFF	SERVICE OUT	FIGURE	CARD NO. 2-002A
		SYS	SUB						
				<p>D. IF ELEMENTS ARE CLEAN RETURN EQUIPMENT TO SERVICE. IF ELEMENTS REQUIRE FURTHER CLEANING CONTINUE TO NEXT STEP.</p> <p style="text-align: center;">WARNING</p> <p>THE FOLLOWING CLEANING PROCEDURE INVOLVES SPRAYING ISOPROPYL ALCOHOL. USE PROTECTIVE EYE COVERING SUCH AS SAFETY GLASSES WHEN CLEANING THE SENSOR ELEMENTS. DO NOT SPRAY ALCOHOL NEAR EXPOSED FLAME. FAILURE TO DO SO CAN CAUSE INJURY TO PERSONNEL OR DAMAGE TO EQUIPMENT.</p> <p style="text-align: center;">CAUTION</p> <p>USE ONLY ISOPROPYL ALCOHOL TO CLEAN THE ELEMENTS. USE OF OTHER TYPES OF CLEANING FLUIDS MAY DAMAGE THE ELEMENTS.</p> <p>USE OF EXCESSIVE FORCE WILL DAMAGE THE ELEMENTS. USE CARE WHEN CLEANING THE ELEMENTS.</p>					
CARD NO. 2-002A	WORK AREA(S)		TYPE MECH RQR	MECH NO	CARD TIME	PUBLICATION NUMBER T.O. 31M1-2FMQ13-6WC-1		23 APR 98	CHANGE NO. 5

MAN MIN	WORK AREA	WORK UNIT CODE		28 DAY SERVICE	INSPECTION REQUIREMENTS	ELECTRICAL POWER OFF	SERVICE OUT	FIGURE	CARD NO. 2-002A
		SYS	SUB						
				<p>E. MOISTEN BRUSH WITH ISOPROPYL ALCOHOL USING SPRAY APPLICATOR.</p> <p style="text-align: center;">NOTE</p> <p style="text-align: center;">DO NOT SPRAY ALCOHOL ONTO THE ELEMENTS. APPLY ALCOHOL ONTO ELEMENTS USING A BRUSH. CLEAN UPPER ELEMENT FIRST.</p> <p>F. USE BRUSH TO REMOVE DUST AND DIRT FROM ALL SIDES OF THE UPPER AND LOWER ELEMENTS.</p> <p style="text-align: center;">NOTE</p> <p style="text-align: center;">ALLOW AT LEAST 2 MINUTES AFTER CLEANING FOR ALCOHOL TO EVAPORATE BEFORE TURNING SENSOR POWER ON.</p>					

MAN MIN	WORK AREA	WORK UNIT		84 DAY SERVICE	INSPECTION REQUIREMENTS	ELECTRICAL		SERVICE OUT	CARD NO. 2-003
		SYS	SUB-SYS			POWER	OFF		
010		AA	B00	1. Clean printer. A. Materials Required. (1) Lint-free cloth. B. Turn AC power off. C. Remove paper. D. Use a dry lint-free cloth to clean the carriage and its surroundings, paper path, paper-end sensor. E. Use brush to remove paper lint, dust, and ribbon lint. F. Install paper. G. Turn AC power back on.					
CARD NO 2-003	WORK AREA(S)			TYPE MECH RQR	MECH NO	CARD TIME 010	PUBLICATION NUMBER TO 31M1-2FMQ13-6WC-1		

MAN MIN	WORK AREA	WORK UNIF		84 DAY LUBRICATION	INSPECTION REQUIREMENTS	ELECTRICAL POWER	OFF	SERVICE OUT	CARD NO 2-004
		SYS	SUB-SYS						
002				<p>1. Lubricate chassis slides.</p> <p>A. Material Required.</p> <p>(1) Lubricant, machine oil per Federal Specification VV-L-20C.</p> <p>B. Lubricate chassis slides with general purpose light machine oil per Federal Specification VV-L-820C, or equivalent. The oil should be applied to all surfaces of the slide making contact.</p>					
CARD NO. 2-004	WORK AREA(S)			TYPE MECH RQR	MECH NO	CARD TIME 002	PUBLICATION NUMBER TO 31M1-2FMQ13-6WC-1		

CARD NO.
2-004



SYMBOL	SPECIFICATION	TYPE OF LUBRICANT
	VV-L-820C	Light Machine Oil

GPO 784-007/85297

