

DIGITAL	FCO	CATEGORY [F]	PAGE 1 OF 4
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FIELD CHANGE ORDER	NUMBER: BA60-F001
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APPLICABILITY: This "F" coded FCO should be installed on RM VAX 6000 systems ONLY and ONLY WHEN FAILURES ARE MANIFESTED. If breaker trips on power-down, the field engineer should replace airflow sensor P/N 12-34926-01 with new part P/N 12-36060-01.

PROBLEM & SYMPTOM: The Airflow sensors are nuisance tripping, meaning old assembly (P/N 12-34926-01) detects loss of 12VDC power causing AC circuit breaker to trip during power-down.

SOLUTION: Install FCO ONLY & ONLY if problem exists! Replace airflow sensor P/N 12-34926-01 as per procedure with a new sensor P/N 12-36060-01.

*** CAUTION ***

The Rework procedure MUST be followed when you install the airflow sensor. The sensor window MUST be perpendicular with the air stream (see rework procedure).

QUICK CHECK:

Verify the new part number (P/N 12-36060-01) for airflow sensor.

PRE/CO-REQUISITE FCO:	MFIT HRS
N/A	1.0

TOOL/TEST EQUIPMENT: Standard FS Tool Kit and ESD Kit

FCO PARTS INFORMATION

FCO KIT NO.	DESCRIPTION OF CONTENTS
EQ-01696-01	1 12-36060-01 Airflow Sensor
FA-05033-01	1 FCO Field Applicability Document (FA)

FCO CHARGING INFORMATION (see last page)

APPROVALS

TECH.ENGINEER Ella Libkind	BUSINESS MGR. Dennis Vano	MCS LOGISTICS Barry Weinstein	DS PRODUCT SAFETY Robert Brister
MICROMEDIA Brenda Rogers	PARTS AVAILABILITY FEB 1994	FCO REVISION: A	FCO RELEASE DATE 15-FEB-94

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Rework Procedure for the Airflow Sensor in the XMI (BA60-BB/BC) chassis.
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The rework procedure should be used ONLY if VAX 6000 Rack-Mountable System experiences a problem with the airflow sensor!

The BA60-BC chassis contains an airflow sensor assembly located at the rear of the chassis between the fans and the card cage. Assembly consists of two sensors and a connector.

This rework procedure gives step by step instructions on how to replace the Airflow Sensor assembly, replacing old P/N 12-34926-01 with new P/N 12-36060-01.

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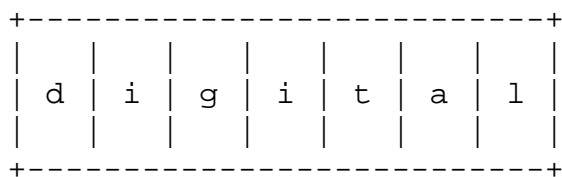
*****
*                               WARNING                               *
*                               *                                     *
* Before performing this procedure, make sure that power is      *
* removed by placing the circuit breaker (located at the rear    *
* of the BA60-BC chassis) in the OFF position, and removing the  *
* power cord from the source.                                     *
*                                                                 *
*****

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1. Extend the appropriate chassis all the way out to the service position.
 - Extend the stabilizing legs at the front of the cabinet (if legs are provided).
 - Ensure that the rack is stable prior to proceeding with next steps.

- Release the four screws located on the front panel.
- Slide the XMI Chassis forward until the slides lock in the extended position.
- Switch off the circuit breaker on the back of the XMI (BA60-AC) chassis.

2. Remove the top cover; loosen the 21 (4-40) captive screws securing the top cover to the chassis using a small flat blade screwdriver.



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*****
*      WARNING      *
*
* Note the position of the airflow sensor assembly and orientation *
* of the sensor hole in respect to the card cage before removing *
* the old part. Replace this with a new part positioned in EXACTLY *
* the same configuration as the original airflow sensor.          *
*
* The sensor window (small hole) MUST be perpendicular with the *
* air stream. Any offset will reduce the cross area of the sensor *
* window and that will reduce the amount of the air flowing      *
* through the window and the circuit breaker will be tripped     *
* uncertainly.                                                     *
*****
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3. Note the position and orientation of the sensors (old ones).
4. Disconnect the airflow sensor cable (see attached drawing).
[AIRFLOW SENSOR LOCATION]
5. Cut the tie wraps securing the airflow sensor to the card cage.
6. Carefully remove the airflow sensors.

TO REPLACE THE AIRFLOW SENSOR YOU SHOULD REVERSE ALL STEPS ABOVE.

7. Repower the system and check for proper airflow sensor operation.

8. Verify system: Insure the system powers up and passes its power-up self tests. Observe console terminal for results of the self tests.

If tests indicate that everything passed (+ on the ST lines indicates pass, - indicates failure) proceed to next step. If errors are indicated, refer to the appropriate diagnostic and troubleshooting procedure as the power-up test failures would indicate.

9. BOOT the system and return control to the customer

>>>BOOT

10. All old sensors P/N 12-34926-01 should be scrapped in the Field.

11. Report this FCO activity on the LARS form in the "Fail Area/FCO/Comments" column as follows: FCO number BA60-F001.

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LARS

CATEGORY	F	USA	APA	EUROPE
Activity -				
(a)Contract		W	U	K
Warranty		W	U	W
(b)IN-DEC Contract		K	U	A
Non Contract/Non Warranty		F	F	F
(c)RTD/Off-site Agreement		F	U	F
Hardware Segment Code		111	111	111
Product Line		031	031	031
DEC Option				
Option ID		X	N/A	N/A
Type of Call		M	M	M
Action Taken		D	D	I/V
Fail Area-Module-FCO-Comments		BA60-F001	BA60-F001	BA60-F001
Material Used		EQ-01696-01	EQ-01696-01	EQ-01696-01

(a) Warranty Optimum, Warranty Standard and Warranty Basic (on-site) Agreements; * Note material (only) free of charge for all customers.

(b) Applies to IN-DEC Area Only

(c) RTD=Return to Digital or Off-site Agreements; If Field Engineer On-site, use Activity Code "F".

WARRANTY/CONTRACT				NONWARRANTY/NONCONTRACT				
ON-SITE		OFF-SITE		ON-SITE		OFF-SITE		MATERIAL ONLY
TRAVEL/ INSTALL	EQ KIT	INSTALL	EQ KIT	TRAVEL/ INSTALL	EQ KIT	INSTALL	EQ KIT	ORDER-ADMIN, HANDLING PKG, SHIPPING & EQ KIT
DEC	DEC	DEC	DEC	CUS	CUS	CUS	CUS	CUS