

DIGITAL FCO CATEGORY PAGE 1
[O] OF 5

FIELD CHANGE ORDER NUMBER: 9XXX-0009

APPLICABILITY: This "O" coded FCO will replace the Air Flow Sensor and Motor Speed Control Sensor on the VAX 9000-2XX systems and the Air Flow Sensor on the VAX 9000-4xx systems. This FCO incorporates the following ECOs: 7026890-TW002, 7027528-TW002 and KA920-TW006.

PROBLEM & SYMPTOM: Air flow/temperature sensors registers false trips when VBox option is installed.

SOLUTION: 9000-2XX, replace 12-28780-05 with 12-28780-06, replace 12-28779-05 with 12-28779-02. In the 9000-4XX, replace 12-28780-09 with 12-28780-11.

QUICK CHECK: 9000-2XX look for 12-28780-06 and in the 9000-4XX look for 12-28780-11.

PRE/COREQUISITE FCO:	MTTI HRS
N/A	1.5 hrs

TOOL/TEST EQUIPMENT: Field Service Maintenance Kit

FCO PARTS INFORMATION

FCO KIT NO.	DESCRIPTION OF CONTENTS	EQ KIT VARIATION APPLICABILITY
EQ-01635-01	1 12-28780-06 Air Flow Sensor	N/A
	1 12-28779-02 Motor Speed Control Sensor	
EQ-01635-02	1 12-28780-11 Air Flow Sensor	
FA-04970-01	1 FCO Document	

FCO CHARGING INFORMATION

WARRANTY/CONTRACT

NONWARRANTY/NONCONTRACT

ON-SITE

OFF-SITE

ON-SITE

OFF-SITE

MATERIAL ONLY

TRAVEL/	EQ	INSTALL	EQ	TRAVEL/	EQ	INSTALL	EQ	ORDER-ADMIN, HANDLING
INSTALL	KIT	INSTALL	KIT	INSTALL	KIT	INSTALL	KIT	PKG, SHIPPING & EQ KIT
DEC	DEC	DEC	DEC	N/A	N/A	N/A	N/A	N/A

APPROVALS

SPE Alice Jacobson	DSHQ LOGISTICS Dick Joseph Robert Brister	DS PRODUCT SAFETY
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SPE MANAGER | This document is published | FCO RELEASE DATE

Dino Genova	on multiple media including	29 January 1992
MICROMEDIA	Customer Services and MDS	
Diane MacDonald	Microfiche Libraries. It is	FCO REVISION
	also available electronic-	A
	all via the SSD CD-ROM and	
POPULATION	TIMA.	PARTS AVAILABILITY
	January, 1992	

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FCO 9XXX-0009

PAGE 2 OF 5

Removal and Installation procedures for 9000-210 systems

1. Shut down system and lock the system from the AC power source.
2. From the front of the cabinet, using a Phillips screwdriver, remove the two screws securing the plenum to the chassis.
3. Remove the plenum.
4. Disconnect the appropriate Mate-N-Lok connectors. The motor speed controller has two connectors.
5. Using the Phillips screwdriver, loosen the two 6-32 pan head screws (PN 90-06022-01) securing the sensor to the mounting assembly on each side.
6. Rotate and remove the 12-28779-05 and install EQ-01635-01 P/N 12-28779-02. On the other side remove the 12-28780-05 and install EQ-01635-01, P/N 12-28780-06.
7. Using the Phillips screwdriver, tighten the two 6-32 pan head screws securing the sensor to the mounting assembly on each side.
8. Connect the appropriate Mate-N-Lok connectors. The motor speed controller has two connectors.
9. Install the plenum.
10. Using the Phillips screwdriver, install the two screws securing the plenum to the chassis.
11. Report this FCO activity on the LARS form in the "Fail Area/Module/FCO/Comments" column as follows: FCO 9XXX-0009 (See example on Page 4).

1. Shut down system and lock the system from the AC power source.
2. At the base of the plenum, disconnect the two Mate-N-Lok connectors to the motor speed control sensor.
3. At the base of the plenum, disconnect the Mate-N-Lok connector to the air flow sensor.

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FCO 9XXX-0009

PAGE 3 OF 5

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4. If applicable, lift the power supply plenum up out of the way by pulling the release pin on each side of the power supply plenum. The power supply plenum will lock in place in the raised position.
 5. Using a 3/8 inch box wrench, remove the two nuts that secure the base of the CPU plenum to the lower blower housing.
 6. Using a 5/16 inch box wrench remove the two screws that secure the CPU plenum to the plenum mounting bar.
 7. Remove the CPU plenum assembly.
 8. Using a Phillips screwdriver, remove the three screws on each end of the plenum to remove the diffuser assembly from the bottom of the plenum.
 9. Remove the air flow connector from the end of the diffuser assembly.
 10. The air flow sensor is mounted on a bracket inside the diffuser assembly. Using a Phillips screw driver, loosen (do not remove) the two Phillips screws at the base of the air flow sensor.
 11. Rotate the sensor base counterclockwise and remove the sensor (12-28780-09) from the sensor mounting panel.
 12. Insert the sensor EQ-01635-02, P/N 12-28780-11 into the diffuser assembly so the Phillips screws already attached to the mounting bracket, pass through the opening in the sensor base.
 13. Rotate the sensor base clockwise.

14. Using a Phillips screwdriver, tighten the two Phillips screws at the base of the air flow sensor.
15. Attach the air flow sensor connector to the opening in the end of the diffuser assembly.
16. Insert the diffuser assembly inside the base of the plenum and attach with three Phillips screws on each end.
17. If applicable, lift the power supply plenum up out of the way by pulling the release pin on each side of the power supply plenum. The power supply plenum will lock in place in the raised position.
18. Place the CPU plenum assembly in its mounting locations so the two bolts extending from the top of the blower housing pass through flanges on each side of the plenum base.

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FCO 9XXX-0009

PAGE 4 OF 5

19. Using a 5/16 inch box wrench, install the two screws that secure the CPU plenum to the plenum mounting bar.
20. Using a 3/8 inch box wrench, install the two screws that secure the base of the plenum to the top of the blower housing.
21. At the base of the plenum, connect the Mate-N-Lok connector to the air flow sensor.
22. At the base of the plenum, connect the two Mate-N-Lok connectors to the motor speed control sensor.
23. Report this FCO activity on the LARS form in the "Fail Area/Module/FCO/Comments" column as follows: FCO 9XXX-0009

LARS

CATEGORY O	USA	GIA	EUROPE
Activity -			
(a)Contract and Warranty	W	U	Y
(b)IN-DEC Contract	K	U	
Hardware Segment Code	111	111	
Non Contract/Non Warranty	F	F	F
(c)RTD/Off-site Agreement	F	U	
Product Line	031		
DEC Option	9XXX	9XXX	9XXX

Type of Call	M	M	M
Action Taken	D	D	I
Fail Area-Module-FCO-Comments	9XXX-0009	9XXX-0009	9XXX-0009
Material Used	EQ-01635-0*	EQ-01635-0*	EQ-01635-0*

- (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".

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FCO 9XXX-0009

PAGE 5 OF 5

Figure 1

MR_X0414_90

Figure 2

MR_X0864_90.DOC

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