Diane MacDonald	also available electronic-	
POPULATION TII	MA. PARTS AVAILABILITY	•
328	January 1992	
- - - - -	FCO 9XXX-0012	2
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FCO Parts Information (Continued)

VAX 9000 Model 210 Systems (UPC only)

EQ-01631-01 (1) 70-27533-01 - DC Filter Assembly (1) 29-28499-01 - 9/16 Deep Socket Wrench FA-04966-01 (1) FCO Document

VAX 9000 Model 410/420 System

EQ-01631-02 (1) 54-21037-01 - X-Y Cap Card (6) 90-09679-06 - Hex Bolts

(1) 29-28499-01 - 9/16 Deep Socket Wrench FA-04966-01 (1) FCO Document

VAX 9000 Model 430/440 System

EQ-01631-03 (2) 54-21037-01 - X-Y Cap Card (12) 90-09679-06 - Hex Bolts (1) 29-28499-01 - 9/16 Deep Socket Wrench FA-04966-01 (1) FCO Document

Field Installation Synopsis

- Perform normal operating system shutdown procedures.
 Power-off the system power, disconnect and lock-out the system from AC power source(s). Refer to the VAX 9000 Family System Maintenance Guide for LOCK-out/TAG-out safety procedures.
 The replacement of these capacitors will vary depending on system type. Refer to the information below for model type.
- 2. On a Model 410/420 VAX 9000, the IOA cabinet will house the DC input cable (17-02761-**). On 430/440 systems, an additional DC input cable will be housed in the IOB cabinet.
- 3. On a Model 210 VAX 9000, the entire DC filter assembly will be replaced. The DC filter is housed in the IOA cabinet.

- 1. Disconnect the DC input cable(s) by removing the following:
 - a. DC power-in metal boot
 - b. Power box access cover
 - c. Power box

Then, using a 9/16 inch deep socket wrench, (29-28499-01), disconnect the three DC input wires, noting color code and physical wire connection to the buss bars.

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- 2. By viewing inside the power box, the capacitors are now visible for removal. Using a pair of wire cutters, cut the leads on the capacitors as close to the buss bar as possible and remove all capacitors.
- 3. Remove the six pan head screws holding the metal buss bar (two screws per bar) and discard them. Use a phillips offset screwdriver for screw removal.
- 4. Using the six 5/16-inch hex headed bolts,(90-09679-06), install the X-Y cap board, (54-21037-01), and torque screws to 10-12 inch pounds as shown below. Note correct position of board placement.

- * Please note that physical placement of the X-Y cap board will have capacitors C2 thru C7 at the bottom.
- 5. Re-connect the DC Power wires to the buss bars inside the Power Box using the 9/16-inch deep socket wrench.
- 6. Re-connect any shielded ground wires, boot strain relief, power box, power box access cover and metal boot.
- 7. Report this FCO activity on the LARS form in the "Fail Area/Module/FCO/Comments" column as follows: FCO 9XXX-0012 (see figure on page 4)

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*** Procedure for Model 210 ***

- 1. Disconnect the DC power cable from inside the DC filter assembly. Access is from the front of the IOA cabinet. Remove the ten screws from the top of the power box and remove the top cover. Using a 9/16-inch deep socket wrench, (29-28499-01) disconnect the three DC input wires on the terminal block.
 - *** Note color code and physical connections of DC wiring.***
 - 2. The output cable of the DC filter assembly goes to the PIP (power interface panel).
 - 3. Disconnect the output cable of the DC filter assembly from the PIP.
 - 4. Remove the sixteen screws that attach the DC filter assembly to the rear panel of the IOA cabinet, and remove the DC Filter Assembly.
 - 5. Install the new DC filter assembly, (70-27533-01) in reverse order.
- 6. Report this FCO activity on the LARS form in the "Fail Area/Module/FCO/Comments" column as follows: FCO 9XXX-0012

LARS

CATEGORY O	USA	GIA	EUROPE
Activity -			
(a)Contract and Warranty	W	U	Y
(b)IN-DEC Contract	K		
Hardware Segment Code	111	031	
Non Contract/Non Warranty	F		F

Product Line	031	031	
DEC Option	9XXX	9XXX	9xxx
Type of Call	M	M	M
Action Taken	D	D	I
Fail Area-Module-FCO-Comments	9XXX-0012	9XXX-0012	9XXX-0012
Material Used	EQ-01631-0*	EQ-01631-0*	EQ-01631-0*

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- (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/Off-site Agreement F

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

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