

ARCS PROCEDURE:	MET TOWER R/H ASPIRATOR FAN CHANGE OUT	PRO(TRH)007.000
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MET Tower R/H Aspirator Fan Change Out

I. Purpose:

To describe the procedure for changing the Met Tower R/H Aspirator Fan.

II. Cautions and Hazards:

Make sure that it is not raining and/or there is not an excessive amount of moisture surrounding the area before starting this procedure.

III. Requirements:

None.

IV. Procedure:

A. Steps:

1. Remove cable #10 from MET logger (should be labeled 'Aspirator Power').
2. Remove cover on large end of R/H assembly by loosening thumb wheel nuts (nuts do not come off). Cover should now swing open revealing the fan motor.
3. Remove the red and black wires from logger to the fan terminal block (the large white wire).
4. Make sure you do not loosen the wires with the diode (little black thing.)
5. Remove nuts holding fan unit. Fan should not slide off studs.
6. Replace nuts that hold fan in place.
7. Replace fan with new one. Reconnect red and black wires to terminal block (red to red, black to black).
8. Close up end of R/H assembly and tighten thumb wheel nuts.
9. Reconnect connector to data logger port #10.
10. Fan should be running.

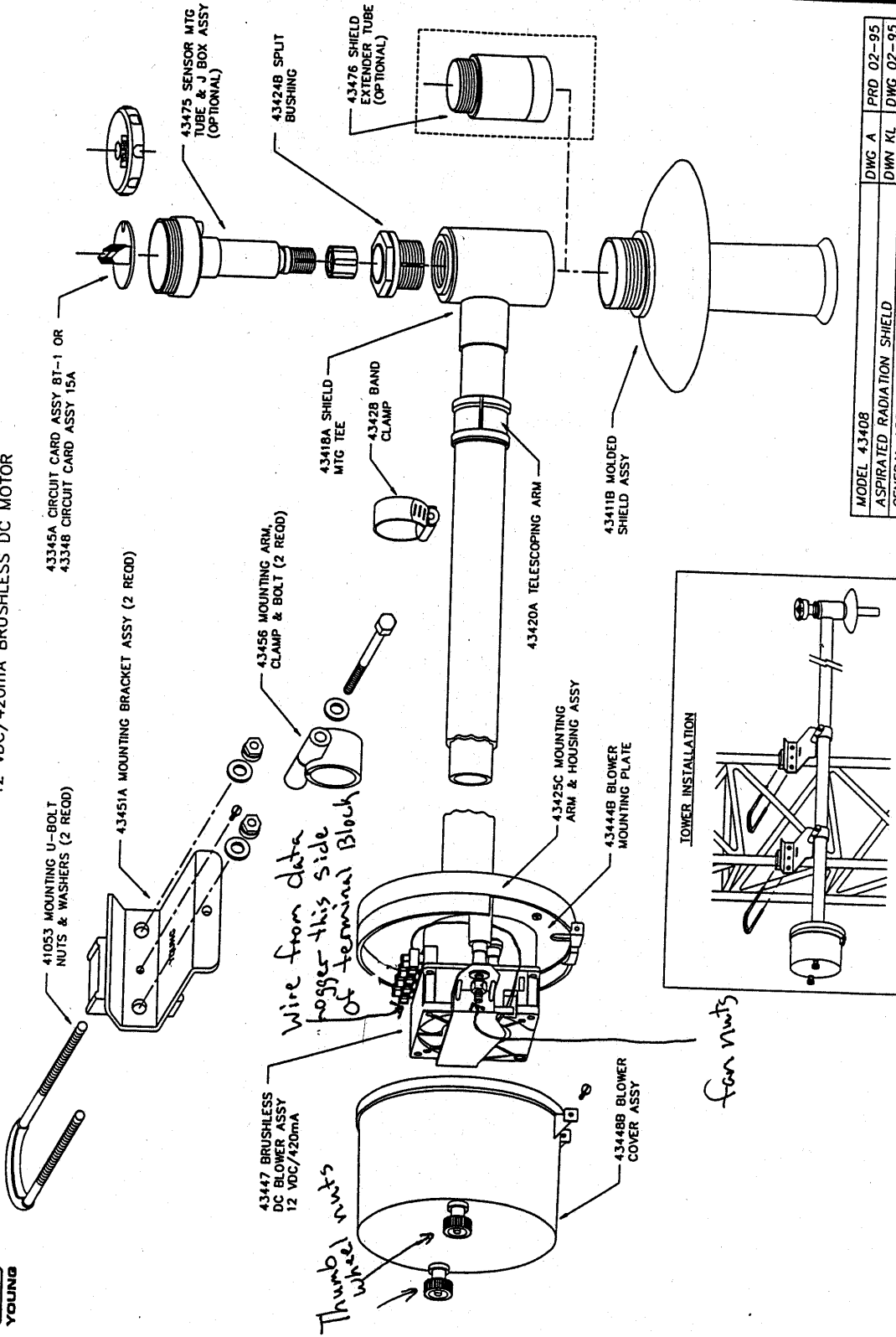
V. References:

None.

VI. Attachments:

1. Aspirated Radiation Shield Drawing

MODEL 43408 ASPIRATED RADIATION SHIELD
12 VDC/420ma BRUSHLESS DC MOTOR



43447 BRUSHLESS DC BLOWER ASSY 12 VDC/420ma

41053 MOUNTING U-BOLT NUTS & WASHERS (2 RECD)

43451A MOUNTING BRACKET ASSY (2 RECD)

Thumb wheel nuts

Wire from data logger this side of terminal block

fan nuts

43345A CIRCUIT CARD ASSY BT-1 OR 43348 CIRCUIT CARD ASSY 15A

43475 SENSOR MTC TUBE & J BOX ASSY (OPTIONAL)

43424B SPUT BUSHING

43476 SHIELD EXTENDER TUBE (OPTIONAL)

43418A SHIELD MTC TEE

43428 BAND CLAMP

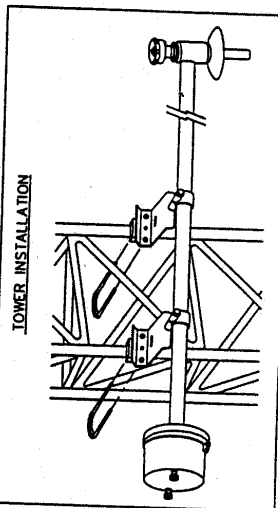
43456 MOUNTING ARM, CLAMP & BOLT (2 RECD)

43420A TELESCOPING ARM

43425C MOUNTING ARM & HOUSING ASSY

43448B BLOWER MOUNTING PLATE

43411B MOLDED SHIELD ASSY



MODEL 43408	DWG A	PRD 02-95
ASPIRATED RADIATION SHIELD	DWN KL	DWG 02-95
GENERAL ASSY & REPLACEMENT PARTS	CHK BY	E43408
R.M. YOUNG CO. TRAVERSE CITY, MI 49686 U.S.A. 616-946-3980		