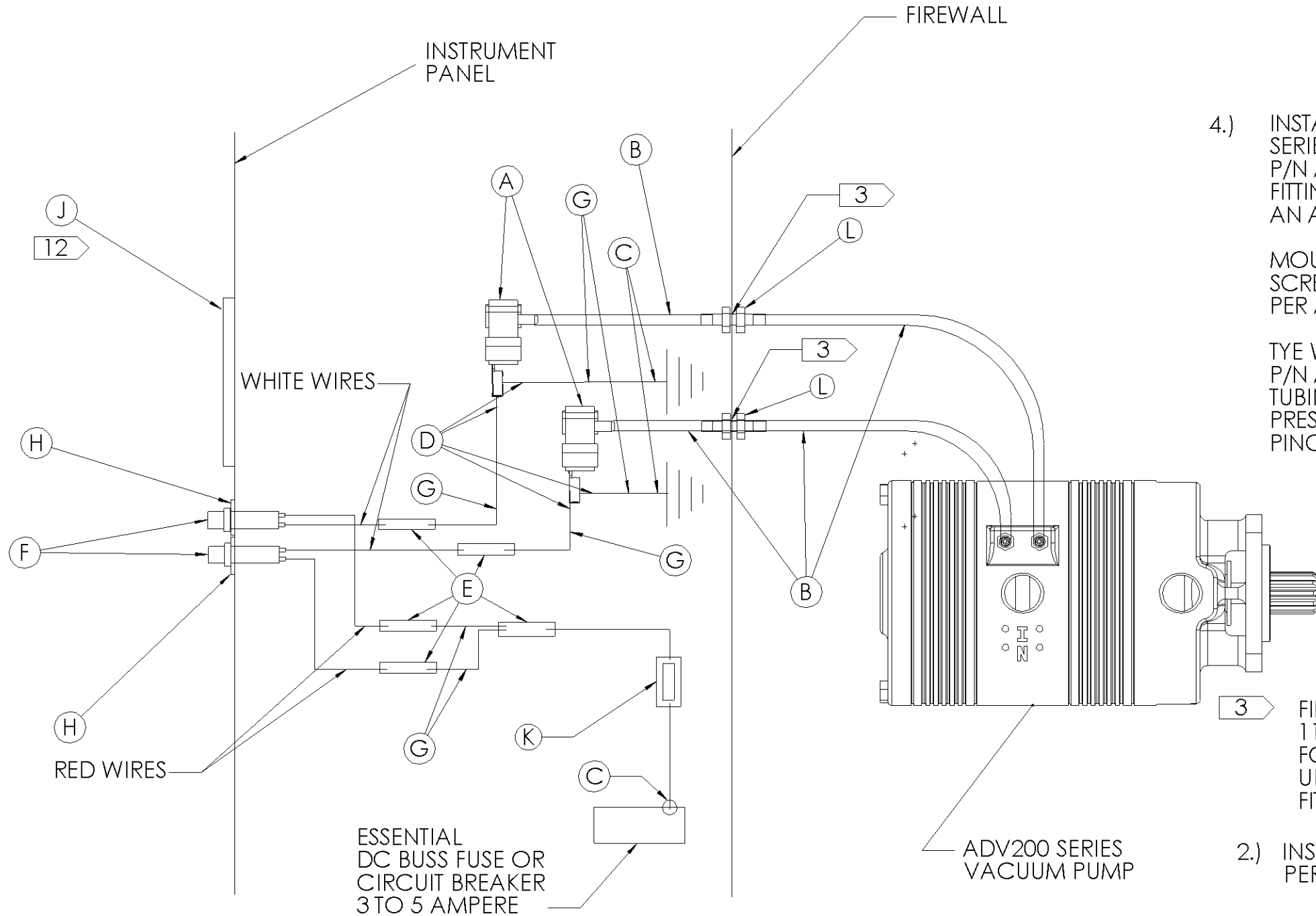


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FOR REFERENCE ONLY

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
D	REVISED WIRE DRAWING NUMBER	10/22/02	DAB

NOTES CONTINUED ON SHEET 2



4.) INSTALL TUBING P/N ADV31121 ON BARB FITTINGS OF ADV200 SERIES VACUUM PUMP AND CONNECT TO FIREWALL FITTINGS P/N ADV31191. CONNECT COCKPIT SIDE OF THE FIREWALL FITTINGS TO THE PRESSURE SWITCHES P/N ADV31101 USING AN APPROPRIATE LENGTH OF TUBING P/N ADV31121.

MOUNT PRESSURE SWITCHES AFT OF FIREWALL USING SCREWS, TYE WRAPS OR OTHER ACCEPTABLE MEANS PER AC 43.13.

TYE WRAPS MAY BE USED AT THE ENDS OF TUBING P/N ADV31121 TO PROVIDE ADDITIONAL SECURING OF TUBING TO BARB FITTINGS, FIREWALL FITTINGS, AND PRESSURE SWITCHES. VERIFY THAT TUBING IS NOT PINCHED OR CRIMPED ALONG ITS LENGTH.

3.) FIND TWO OPEN AREAS ON FIREWALL TO DRILL TWO 11/64" (Ø .172) PENETRATIONS. CONFIRM THAT BOTH FORWARD AND AFT AREAS OF FIREWALL ARE UNOBSTRUCTED BEFORE DRILLING. INSTALL BULKHEAD FITTINGS P/N ADV31191, AND SECURE WITH 8-32 NUTS.

2.) INSTALL ADV200 SERIES DUAL ROTOR VACUUM PUMP PER ADVI211CC, OR ADVI212CW INSTALLATION DRAWING.

1.) BEFORE DOING ANY ELECTRICAL WORK ON THE AIRCRAFT CONFIRM THAT THE MASTER SWITCH IS IN THE OFF POSITION, AND THE AIRCRAFT BATTERY IS DISCONNECTED.

SYMBOL	PART NUMBER	QUANTITY REQ.	DESCRIPTION
A	ADV31101	2	PRESSURE SWITCH
B	ADV31121	4	TUBING
C	ADV31131	3	RING TERMINAL
D	ADV31132	4	FEMALE TERMINAL
E	ADV31133	5	BUTT CONNECTOR
F	ADV3112V	2	12 VOLT LAMP
F	ADV31124V	2	24 VOLT LAMP
G	M22759/16-22	6	WIRE
H	ADV31161	2	PUMP PLACARD
J	ADV31171	1	PILOT PLACARD
K	ADV31181	1	2 AMPERE FUSE & HOLDER
L	ADV31191	2	BULKHEAD FITTING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES + .XX ± .03 ± .5 deg. .XXX ± .010		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		Aero Advantage	
APPROVALS		DATE		AIR PUMP MONITORING SYSTEM INSTALLATION	
DRAWN DAB		01-29-02			
CHECKED					
RESP ENG DAB		01-29-02			
MATERIAL		MFG ENG		SIZE DWG. NO. ADVMSI 500	
FINISH -		QUAL ENG		REV. D	
NEXT ASSY USED ON		DO NOT SCALE DRAWING		SCALE CAD FILE: SHEET 1 OF 2	