



TELEDYNE INSTRUMENTS

Advanced Pollution Instrumentation

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Service Note

98-002 Rev B
2 May, 2007

FIELD INSTALLATION OF ZERO/SPAN VALVE OPTION IN THE M200A ANALYZER

I. **SCOPE:**

To install the zero/span valves into an API Model 200A NO_x Analyzer in the field.

II. **PARTS:**

Qty. 1 of P/N 01468

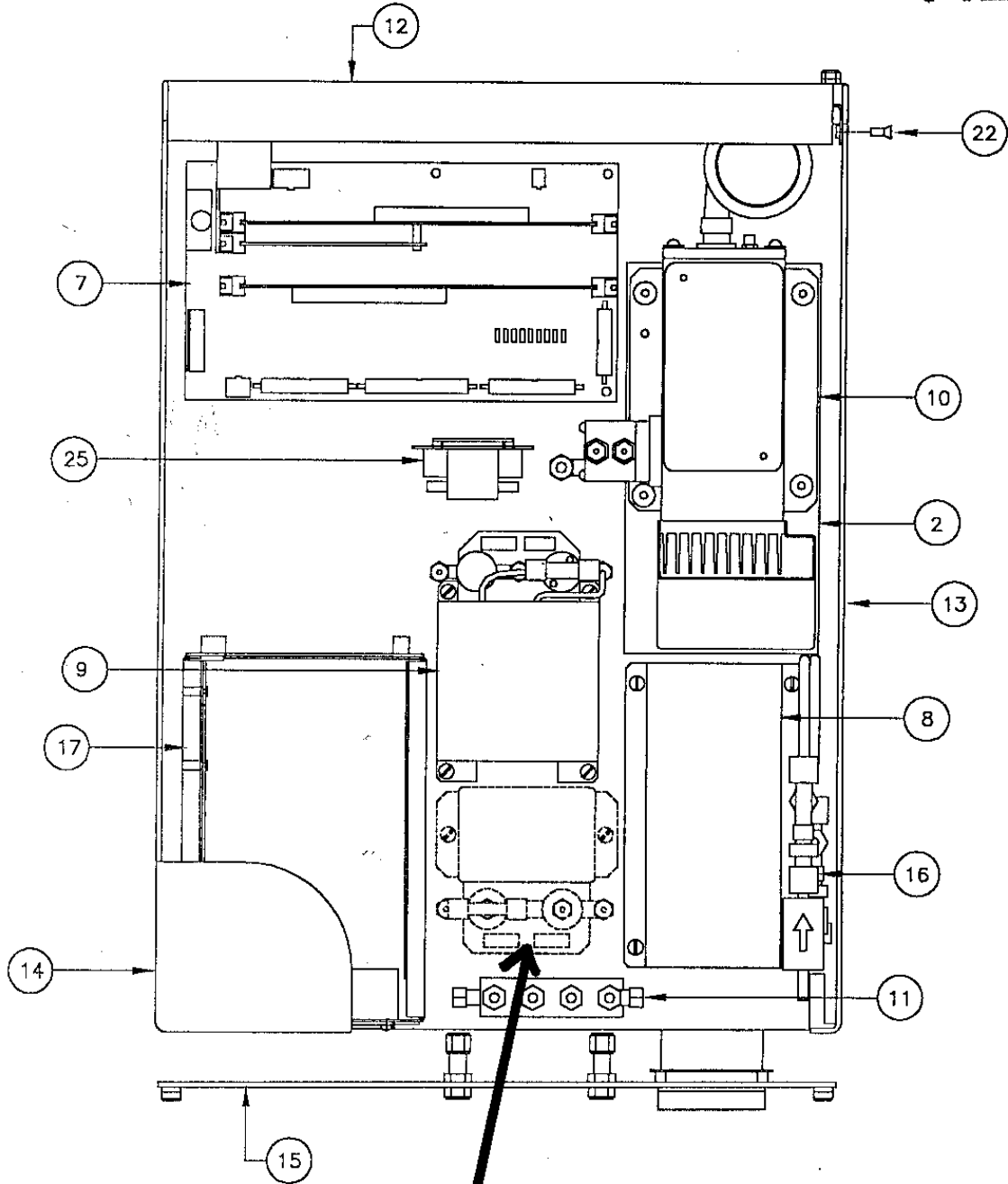
III. **TOOLS:**

Exacto knife
Flat blade screwdriver
7/16" wrench
9/16" wrench

IV. **PROCEDURE:**

1. Drop back panel by loosening 2 captive screws and lowering panel.
2. Install the zero/span valve assembly behind the moly assembly (see diagram #01200, M200A Chassis Layout). Insert cable (remove heat shrink) onto zero/span valve bracket.
3. Attach the 2 bulkhead fittings assemblies (with 1/8" reducers) into the rear panel. Assure the 1/8" reducer end is facing internal to the chassis and the 1/4" end is protruding from the rear panel. One union is installed in the zero air in and the second union is installed in the span gas in (see figure 2.3, Cal Gas Inlet and Exhaust Venting).
4. Cut the 1/8" tubing in half and attach one of the tubes to the valve pin 1 (span gas in) to the span gas in the bulkhead fitting. Attach the second tube to the valve pin 3 (zero air in) to the zero air in the bulkhead fitting (see diagram # 01468, Assy, Zero/Span Valves, M200A).
5. Leak check the analyzer.
6. Press setup – more vars.
7. Enter password 929 and press enter.
8. Press jump and enter the number 66 (fact option).
9. Press edit and enter the number 4. Press enter.

FILE

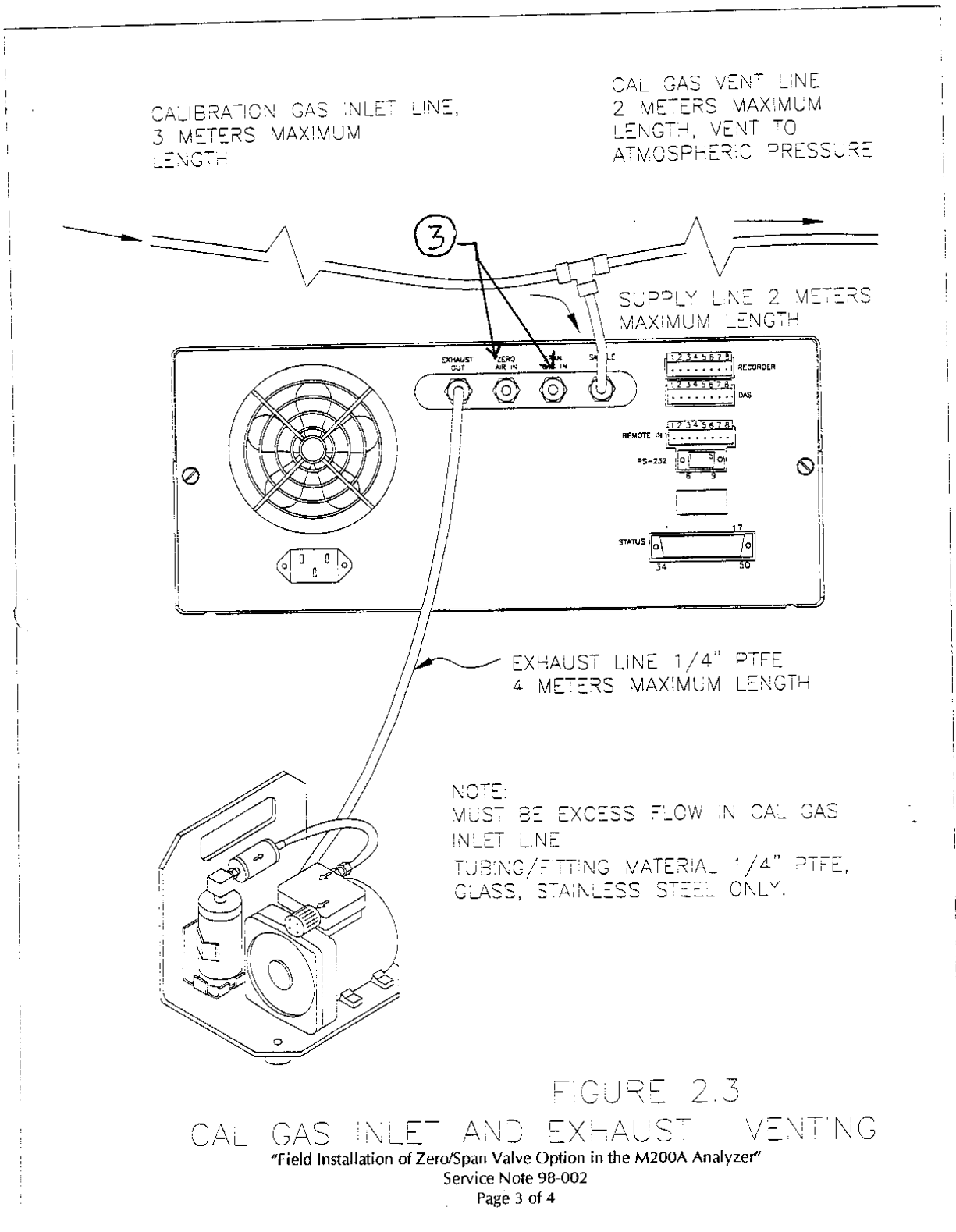


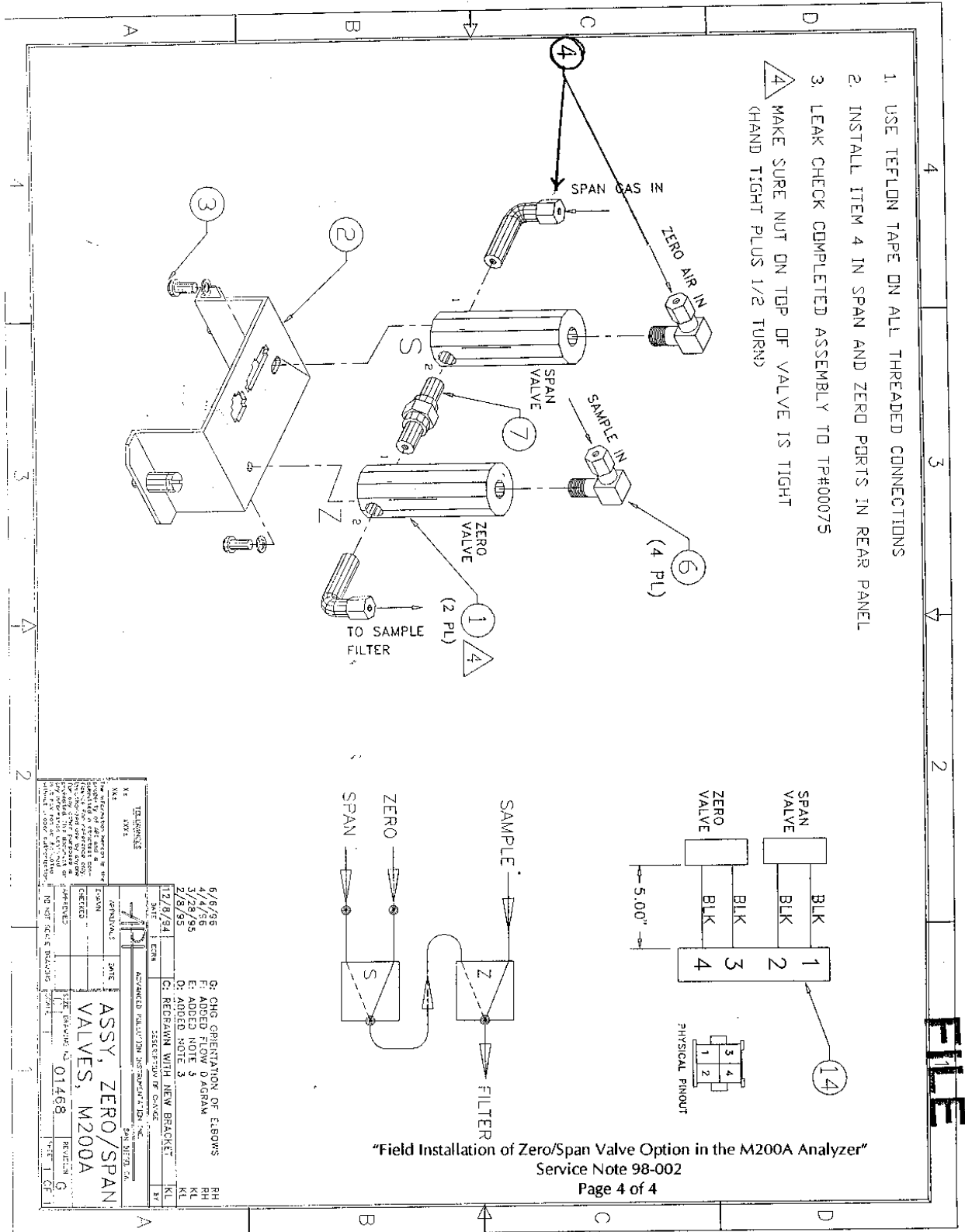
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in the M200A Analyzer"
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4/30/96		BY SEE SHEET 3	RH
DATE	ECRN	DESCRIPTION OF CHANGE	BY
 ADVANCED POLLUTION INSTRUMENTATION INC. SAN DIEGO, CA			
APPROVALS	DATE		
DRAWN	JJH 6/94	M200A CHASSIS LAYOUT	
CHECKED			
APPROVED		SIZE DRAWING NO.	REVISION
NO NET SCALE DRAWING		8 01200	B
		SCALE	SHEET 1 of 3
		NONE	





DATE	BY	DESCRIPTION
6/6/95	PH	CHG ORIENTATION OF ELBOWS
4/4/95	PH	ADDED AND AGRAM
2/8/95	KL	ADDED NOTE 3
12/8/94	KL	REBPAVW WITH NEW BECKET
	ST	ISSUED FOR CHANGE

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