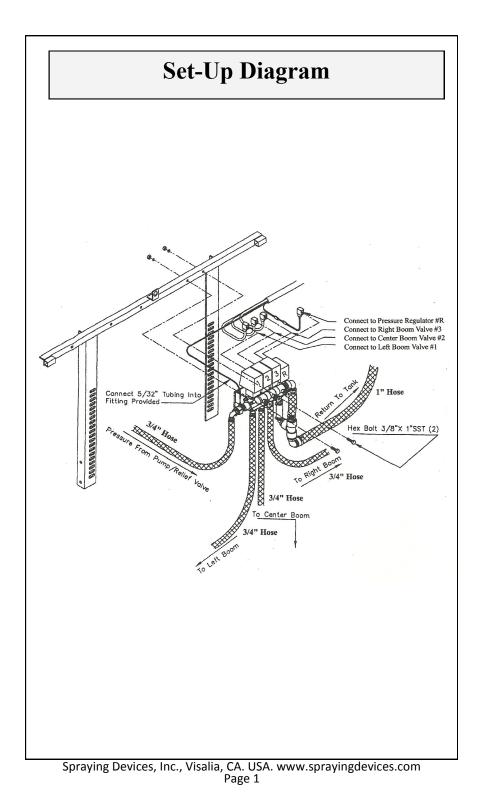


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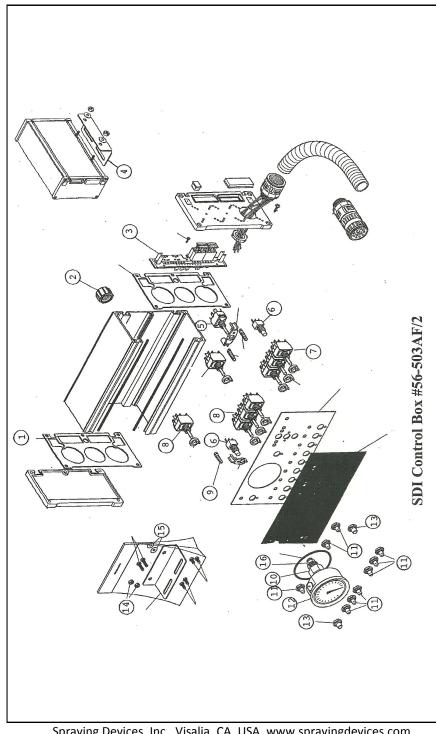
Form No. 1948/0912jh



SDI Complete Box Assembly #56-503AF/2

ltem No.	Part Number	Description	<u>Qty</u>
1	61-651	Gasket	1
2	61-527	Reducer 1/4 x 1/2"	2
3	61-650	Fuse Circuit Board	1
4	61-525	Mounting Bracket	1
3 4 5 6 7	61-260	On/Off Switch	1
6	61-531	Main Power Switch/Dual Foamer Switch	2
	61-515	Boom Lift Pressure Switch	4
8 9	61-500	On/Off Boom Switch	4
9	61-620	Light Bulb Boom Switch	1
10	61-535	Long Pressure Gauge Adapter	1
11	61-516	Switch Boot Toggle Switch	9
12	56-509	Pressure Regulator	1
13	61-517	Main Power Boot	2
14	61-606	Nut	2
15	61-118	Washer	2
16	61-528	Tubing Connector 1/8"	1

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SDI Set-Up Instructions

Step 1:

Bolt Valve Assembly, Part #18-300, onto cross member of boom using 3/8 x 1" bolts, lock washers and nuts (supplied).

Note: If boom has adjustable channel **cross** angle, use 3/8" adjustable channel nuts (supplied).

Step 2:

Install D.I.N. connectors from wiring loom using water resistant D.I.N. connector gasket and screws included in the #18-200 kit, to Motorized Valves and Pressure Regulator.

Note: If harness is supplied on the Service Vehicle, D.I.N. connector with 2-prong plug, Part #18-321, is included in the 18-320 kit.

Step 3:

Plug 5/32" tubing into tubing adapter located next to valve #1.

Step 4:

Install ball valve and 3/4" hose barb adapter elbow (included in #18-300 kit), to pump outlet. Run 3/4" hose (cut to desired length), from pump to inlet on the Motorized Valve.

Step 5:

Remove 1" plug from return fitting on tank. Install 1" hose barb elbow to return fitting.

Step 6:

Install bypass return hose from 1" hose barb elbow on Motorized Valves to 1" elbow on tank.

Step 7:

Cut 3/4" hose to length and install from valves to boom inlet adapters (allow extra length on outer wing sections to allow for breakaway capabilities).

Step 8:

Install Control Box to Control Mount.

Using All Function Control Box, plus into socket located near glove box.

Step 9:

Install 5/32" tubing into adapter on Control Box.

Setting Pressure for Motorized Controls

The following instructions are designed to assist you with the proper setting and testing of your Motorized Control Unit.

For models with a diaphragm pump:

- 1. Shut off ball valve to boom.
- 2. Set manual relief valve to 70-80 PSI (this is used mainly as a safety valve and will not operate below that pressure).
- 3. Open ball valve to booms.

For all models (for centrifugal pump models, the first three steps <u>are not</u> <u>required):</u>

 Close all three (3) Metered Bypass Valves (red knobs), by turning knobs in a <u>clockwise</u> Direction as far as they will go (Figure 1)

Motorized Control Valves:

METERED

BY-PASS

VALVES

BOOM

BOOM

BOOM

Figure 1

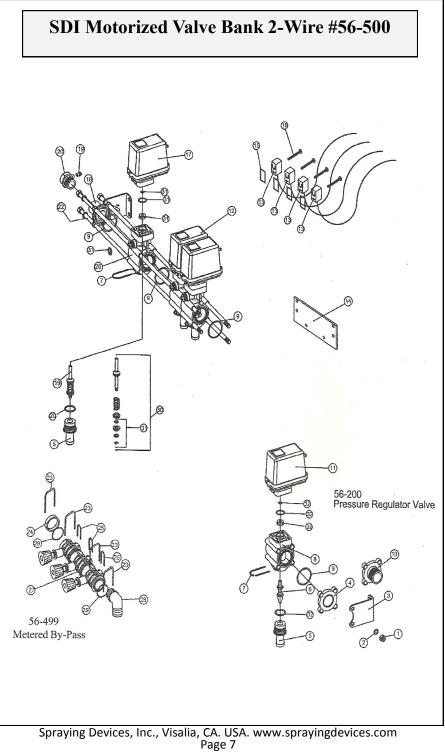
 Open <u>all three</u> (3) sections of the boom from the Control Panel. Set desired operating pressure Using electric Control Switch on the Control Panel. To set the Metered Bypass Valve, close <u>one (1)</u> boom section at a time. Then open the Metered Bypass Valve for that boom section until the desired operating pressure is achieved.

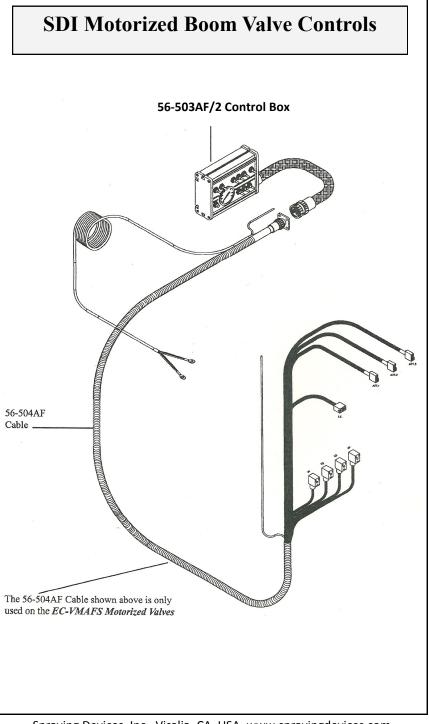
Example: Desired pressure is 40 PSI - To set **Metered Bypass Valve:**

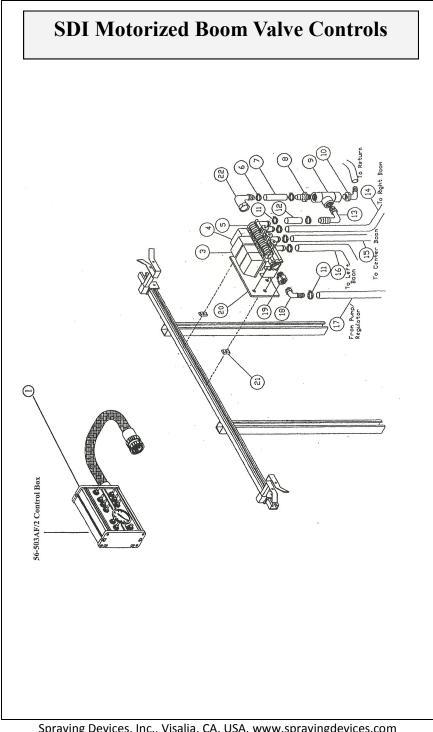
- A. Shut <u>left</u> boom section off on the Control Panel.
- B. Pressure <u>will</u> read more than 40 PSI.
- C. Using <u>left</u> Metered Bypass Valve, open valve until operating pressure returns to 40 PSI.
- 6. **Repeat** the above procedure for the **center and right boom sections,** making sure the other two (2) boom sections are open.

SDI Motorized Valve Bank 2-Wire #56-500

Item	Part Number	Description	0 +-
No.	Number	Description	Qty
1	56-530	Hex Nut	4
2	56-529	Washer	8
3	56-505	End Mounting Plate	2
4	56-597	Blank Plate	1
5	56-105	Hose Fitting 3/4" HB X Slip	4
6	56-203	Regulator Stem	1
			4
7	56-106	Locking Pin	
8		Regulator Valve Body—Only	1
9	56-107	included with #11 O-ring	F
		Outlat Flamma 2/4" MDT	5 1
10	56-514	Outlet Flange 3/4" MPT	T
11	56-201	Regulator Motor Assembly	1
12	56-501	Valve Assembly, Two Wie	1
13	56-541	D.I.N. Connector	4
14	11-369	SDI Mounting Plate	1
15	56-490	Gasket	4
16	56-491	Screw	4
17	56-100A	Motor Assembly for 56-501	3 1
18	56-513	Inlet Flange 3/4" FPT	1
19	56-510	Adapter 1/8 MPT x 5/32" Slip	1
	56-2152	Adapter 2/4 MDT x 2/4 EDT x 1/9" EDT	1
20		Adapter 3/4 MPT x 3/4 FPT x 1/8" FPT	Ţ
21	56-525	Motor Cover	4
22	56-528	Hex Bolt 10"	4
23	56-596	Clip Pin	4
24	56-600	End Cap	1
25	56-517	Clip Pin	1 3 3 1
26	56-101	Valve Body	3
27	56-499	Metered Bypass after 1/07	1
28	56-599	Elbow Slip x 3/4" HB	1
29	56-598	O-ring	4
		Repair Kits:	
30	56-538	Plunger Kit	1
31	56-539	Seal Kit	1
32	56-540	Seal Kit for Regulator Valve	1
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SDI Motorized Boom Valve Controls

ltem No.	Part Number	Description	Qty				
1 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	56-503AF/2 56-500 56-200 56-499 24-116 21-938 53-435 53-826 52-120 24-112 21-930 52-119 21-930 21-930 21-930 21-930 52-112 56-2152 11-639 41-106 56-599	Control Box Three Motorized Valves Pressure Regulating Valve Metered Bypass Clamp Hose 1" ID, Per Foot Adapter 1 MPT x 1" HB, Poly Tee 1" NPT, Poly Elbow 1 MPT x 1" HB, Poly Hose Clamp #12 Hose 3/4" ID, Per Foot Elbow 1 MPT x 3 HB, Poly Hose 3/4 ID, Right Boom Hose 3/4 ID, Center Boom Hose 3/4" ID, Left Boom Hose 3/4" ID, Left Boom Hose 3/4" ID, Pump Elbow 3/4 MPT x 3/4" HB, Poly Adapter 3/4 MPT x 3/4 MPT x 1/8" P Mounting Plate Strut Nut 3/8" Elbow Slip x 3/4" HB	1 1 6 Specify 1 2 10 Specify 1 ** ** ** ** ** ** ** 1 2 1				
	The following items are not illustrated:						
	11-021 11-022 11-023 21-938	Control Arm Control Stand Control Stand Clamp Hose 1" ID, Per Foot	1 1 Specify				
	NOTE: Contact Jacobsen for harness						
	** Note:	25' of 21-930 3/4" ID hose included- to lengths required.	–cut				
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