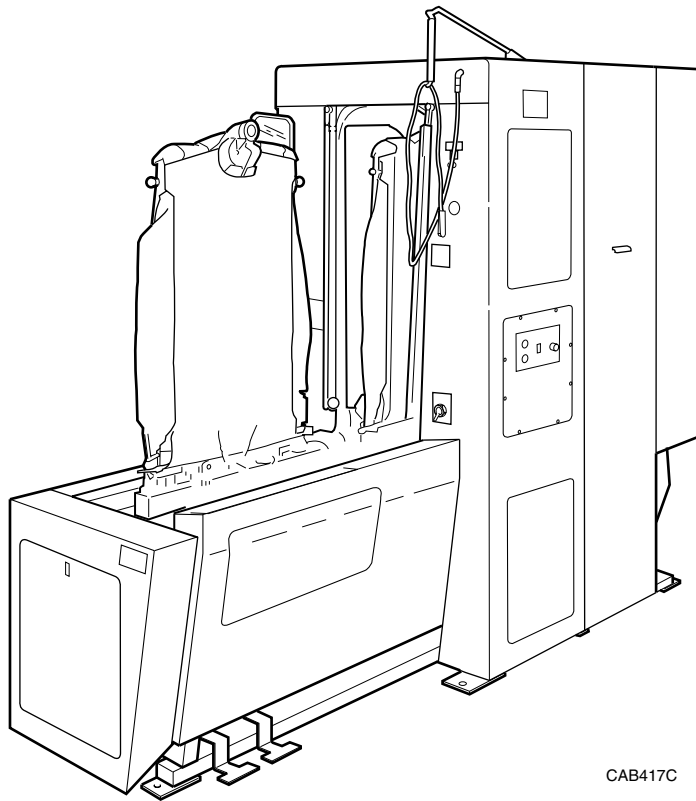


Bosom, Body and Yoke Cabinet Press

Single and Double Buck Models

Refer to Page 5 for Model Numbers



CAB417C



An LSG Company
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Part No. AJ1008
January 2005

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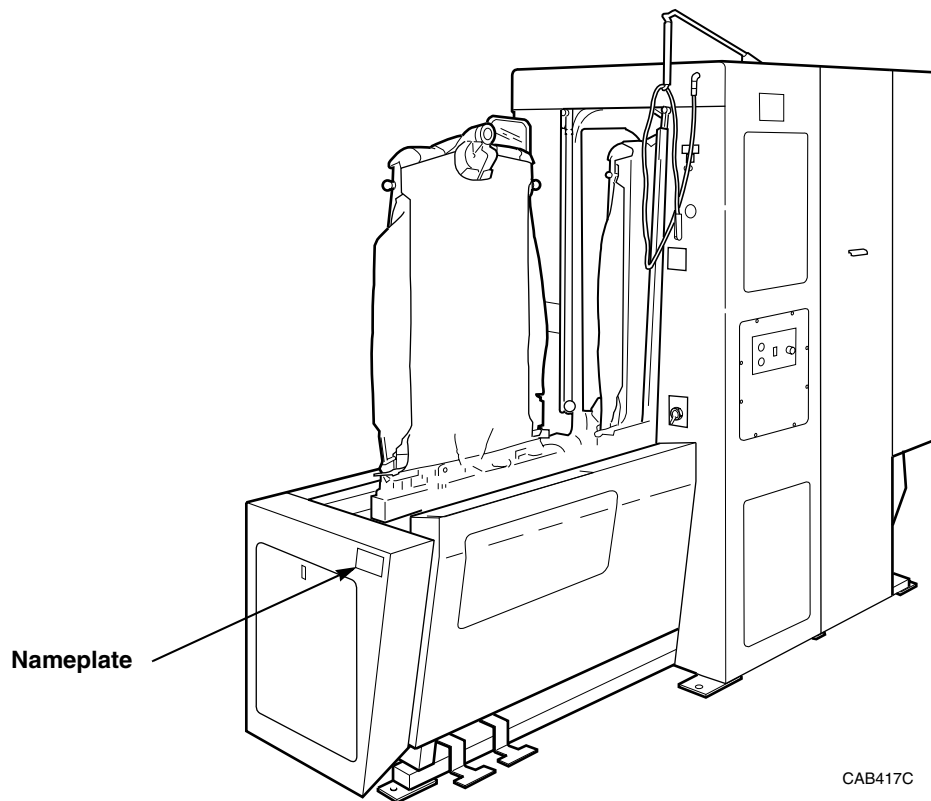
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Parts Ordering Information

If literature or replacement parts are required, contact the source from which the machine was purchased or contact Cissell at (502) 587-1292 for the name and address of the nearest authorized parts distributor.

Nameplate Location

When calling or writing about your product, be sure to mention model and serial numbers. Model and serial numbers are located on nameplate(s) as shown.

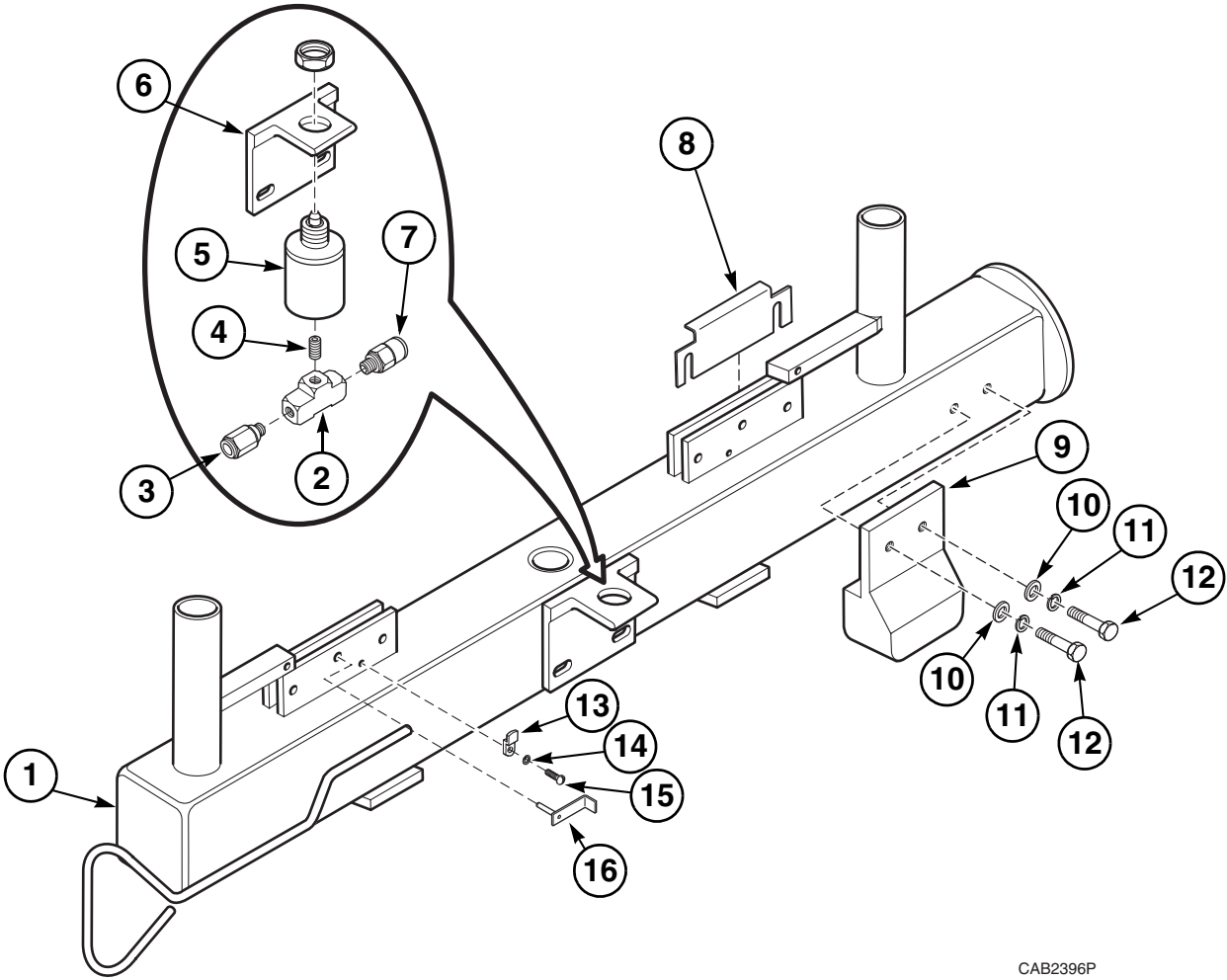


Model Identification

Information in this manual is applicable to these cabinet press models:

CTSBT (CCBBYX)
CTSBV (CCBBYXV)
CTDBT (CDFBXT)
CTDBV (CDFBXV)

Front Receiving Tube – Models CTSBT and CTDBT

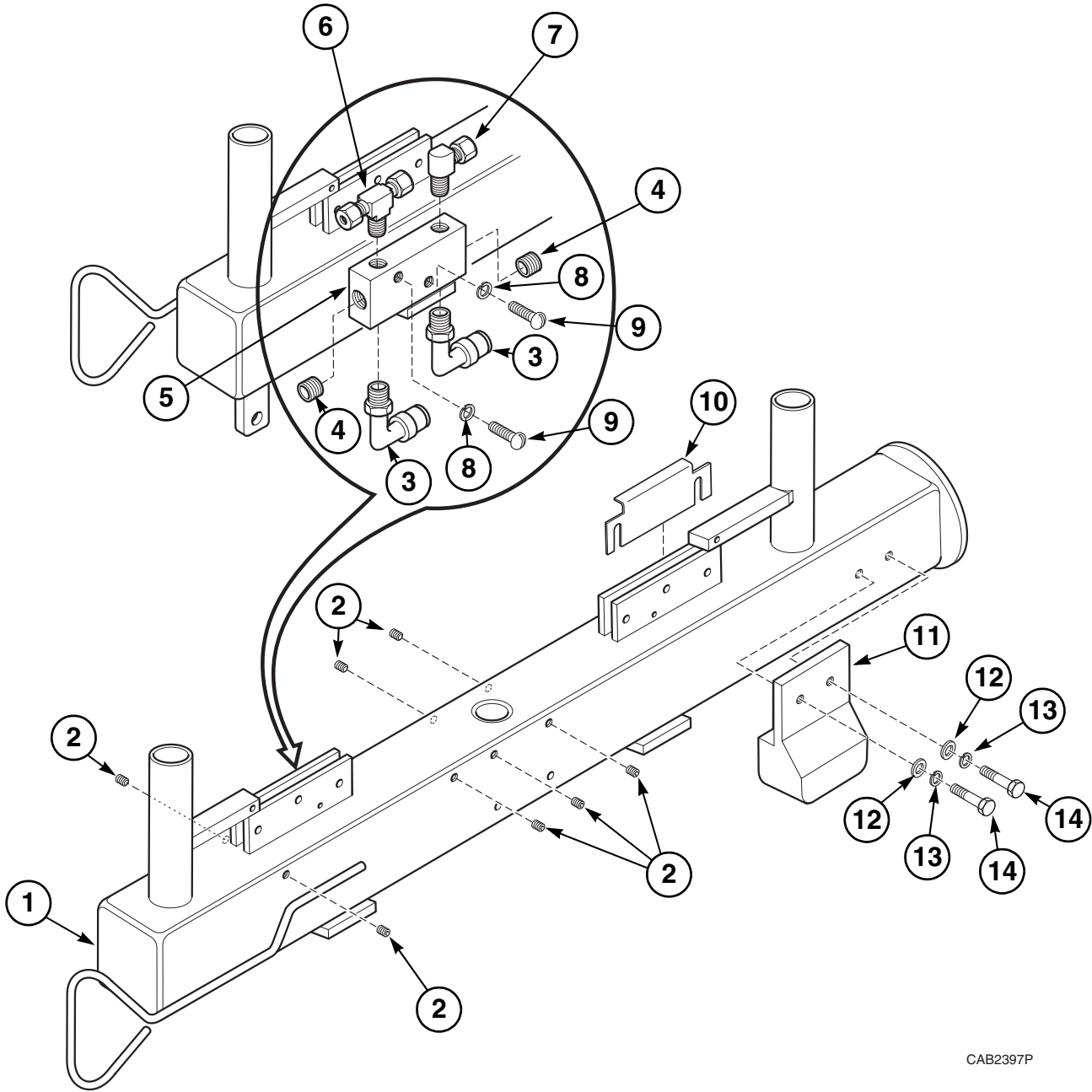


CAB2396P

Front Receiving Tube – Models CTSBT and CTDBT

REF	PART NO.	DESCRIPTION	COMMENTS
	J1436914	Receiving Tube Assembly	Includes items 1-16; Front
	J1484609	Cylinder and Carriage Hose Assembly	Includes items 2-7
1	J1546084	Receiving Tube Weldment	
2	JC-70613	Pipe Tee	
3	J1416759	Male Tubing Connector	
4	J1232313	Pipe Nipple	
5	J1381607	Tail Clamp Cylinder	
6	J1381599	Angle Bracket	
7	F422101	Air Coupling	
8	J200095300	Shim Sheet	Use as necessary to shim buck
9	JA-23921	Switch Actuator Cam	
10	JC-80513	Washer	2 required
11	J1185073	Washer	2 required
12	J1001726	Screw	2 required
13	JA-17207	Key Clip	
14	J1000975	Washer	
15	M400044	Screw	
16	JA-04749	Key Assembly	

Front Receiving Tube – Models CTSBV and CTDBV

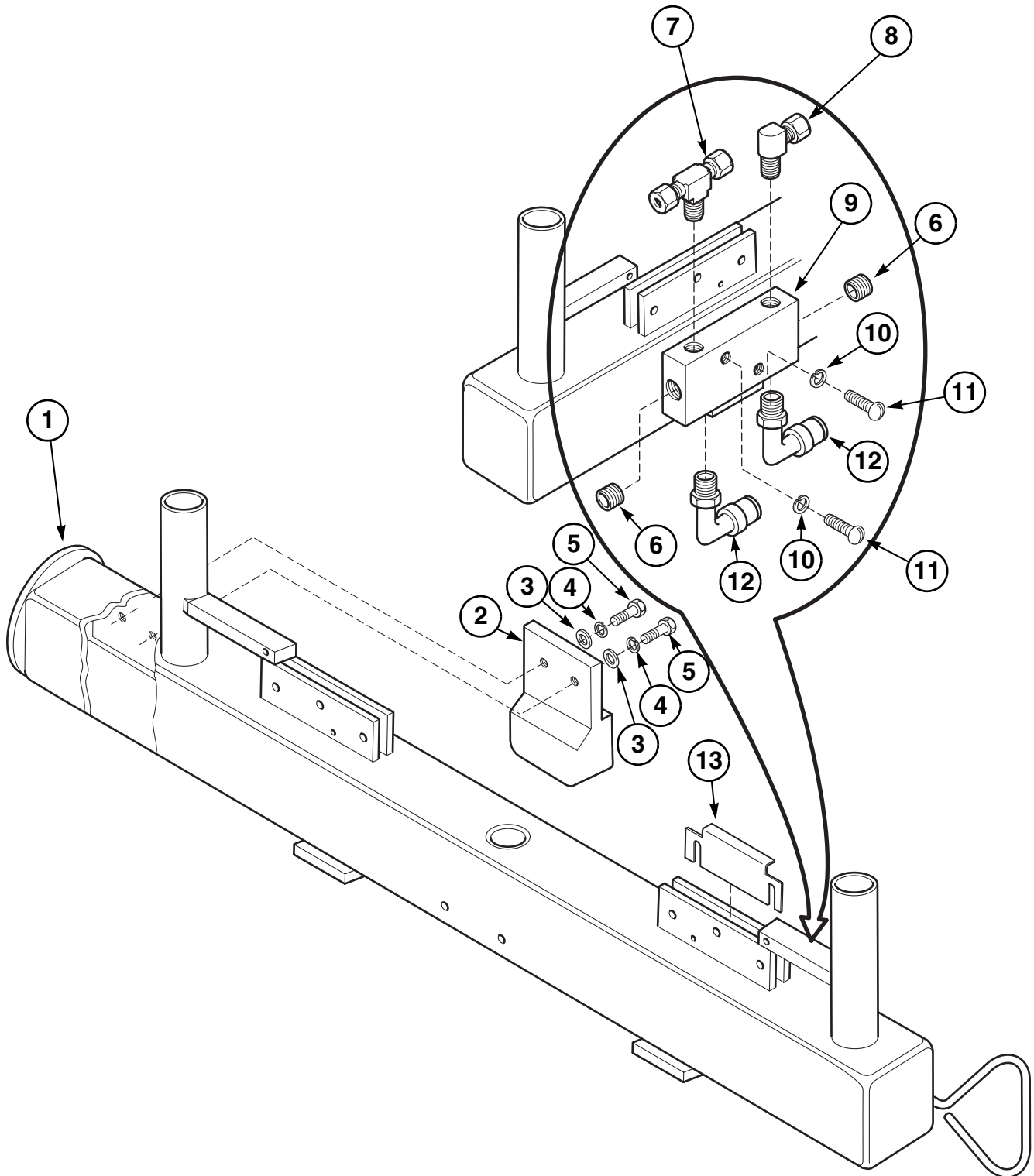


CAB2397P

Front Receiving Tube – Models CTSBV and CTDBV

REF	PART NO.	DESCRIPTION	COMMENTS
	J1473156	Air Manifold Assembly	Includes items 3-7
1	J1546084	Receiving Tube Weldment	Front
2	J1179308	Screw	7 required
3	J1407741	Swivel Tubing Elbow	2 required
4	J1039858	Pipe Plug	2 required
5	J1618958	Manifold	
6	JC-30734	Male Compression Tee	
7	JA-50770	Male Compression Elbow	
8	J1000975	Washer	2 required
9	JC-61273	Screw	2 required
10	J200095300	Shim Sheet	Use as necessary to shim buck
11	JA-23921	Switch Actuator Cam	
12	JC-80513	Washer	2 required
13	J1185073	Washer	2 required
14	J1001726	Screw	2 required

Rear Receiving Tube – Model CTDBV

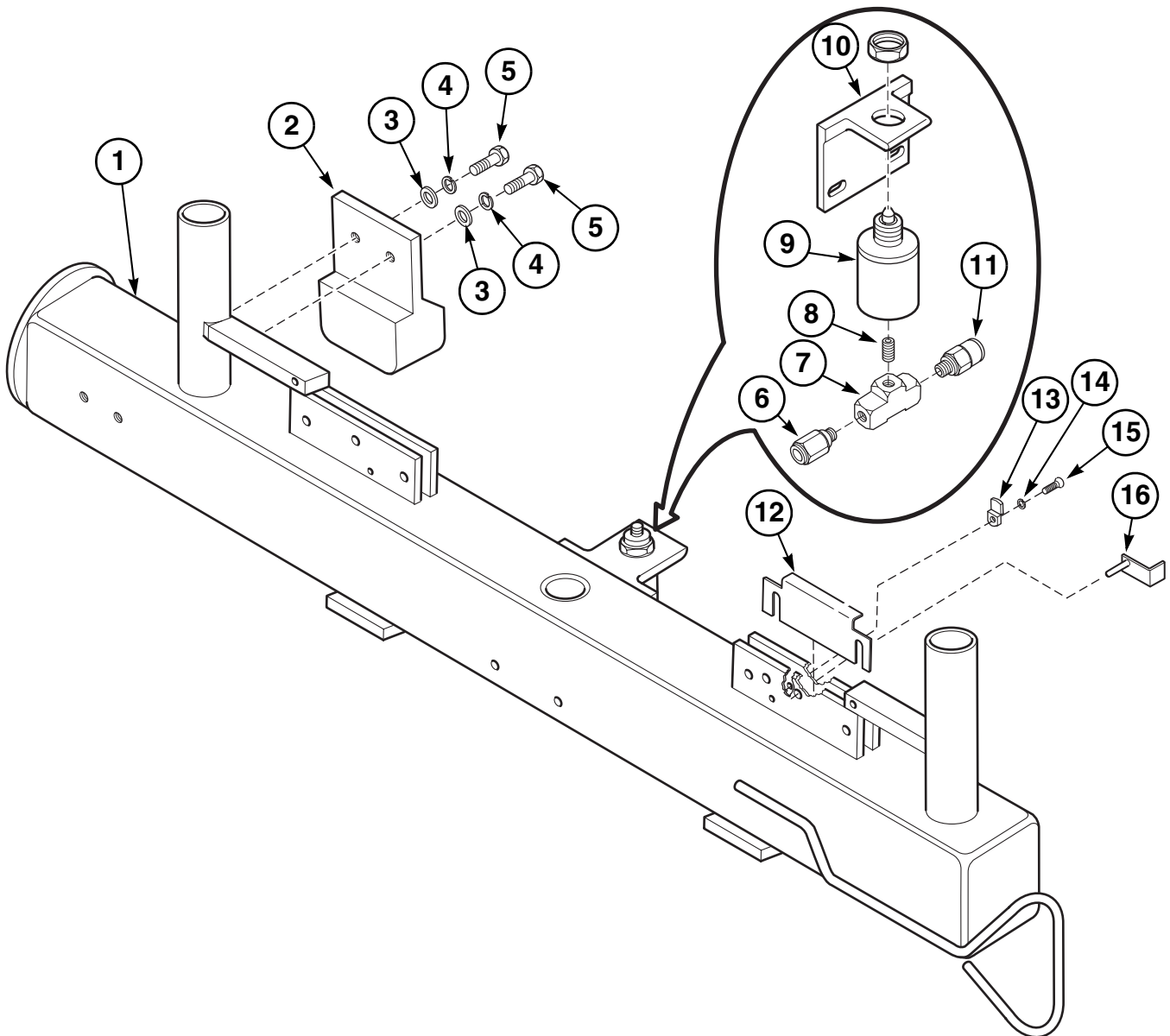


CAB2398P

Rear Receiving Tube – Model CTDBV

REF	PART NO.	DESCRIPTION	COMMENTS
	J1473156	Air Manifold Assembly	Includes items 6-9 and 12
1	J1546092	Receiving Tube Weldment	Rear
2	JA-23921	Switch Actuator Cam	
3	JC-80513	Washer	2 required
4	J1185073	Washer	2 required
5	J1001734	Screw	2 required
6	J1039858	Pipe Plug	2 required
7	JC-30734	Male Compression Tee	
8	JA-50770	Male Compression Elbow	
9	J1618958	Manifold	
10	J1000975	Washer	2 required
11	JC-61273	Screw	2 required
12	J1407741	Swivel Tubing Elbow	2 required
13	J200095300	Shim Sheet	Use as necessary to shim buck

Rear Receiving Tube – Model CTDBT

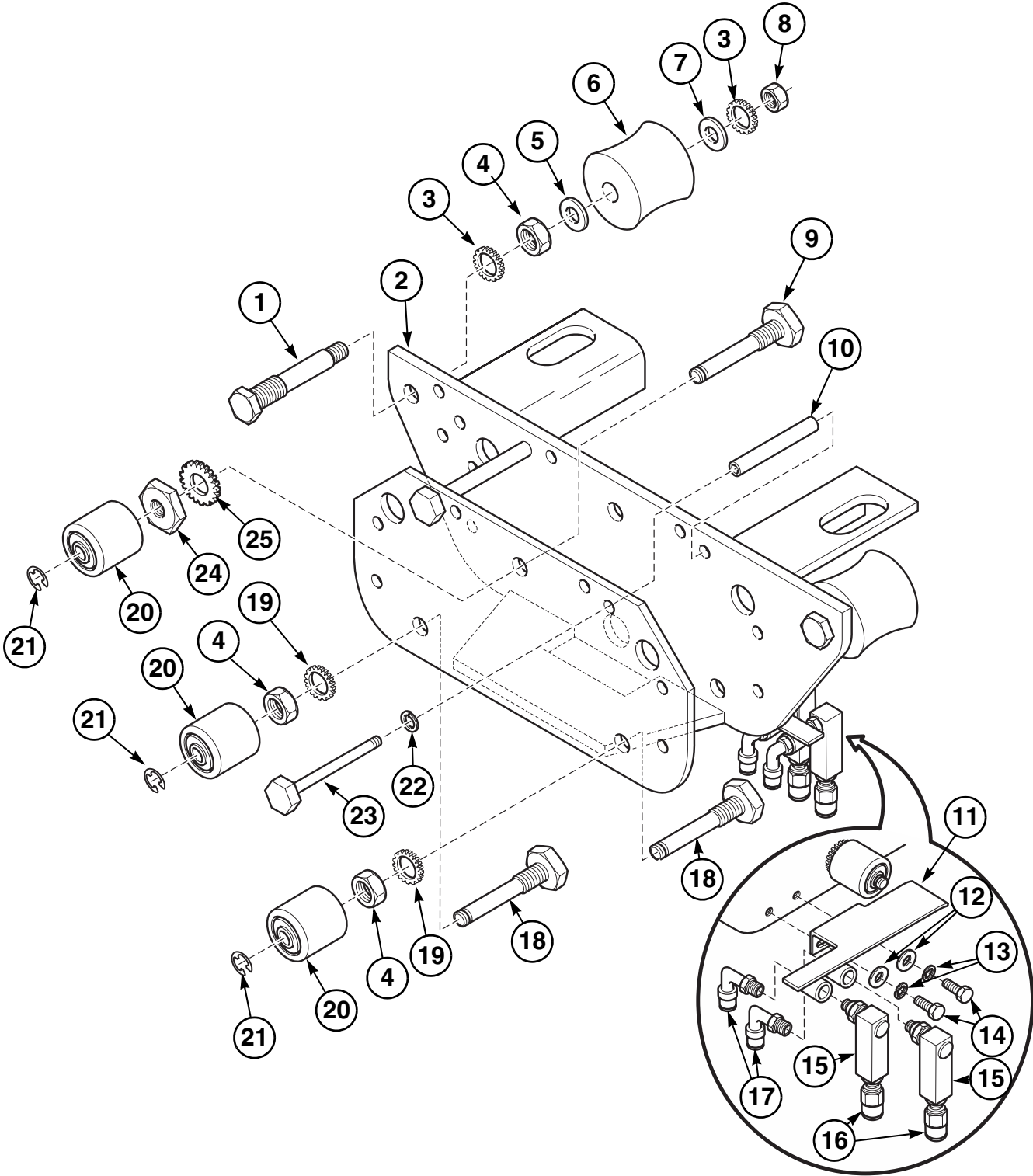


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Rear Receiving Tube – Model CTDBT

REF	PART NO.	DESCRIPTION	COMMENTS
	J1436914	Receiving Tube Assembly	Includes items 1-16
	J1484609	Cylinder and Carriage Hose Assembly	Includes items 6-11
1	J1546092	Receiving Tube Weldment	Rear
2	JA-23921	Switch Actuator Cam	
3	JC-80513	Washer	2 required
4	J1185073	Washer	2 required
5	J1001734	Screw	2 required
6	J1416759	Male Tubing Connector	
7	JC-70613	Pipe Tee	
8	J1232313	Pipe Nipple	
9	J1381607	Tail Clamp Cylinder	Includes nut
10	J1381599	Angle Bracket	
11	F422101	Air Coupling	
12	J200095300	Shim Sheet	Use as necessary to shim buck
13	JA-17207	Key Clip	
14	J1000975	Washer	
15	M400044	Screw	
16	JA-04749	Key Assembly	

Carriage Sub-Assembly

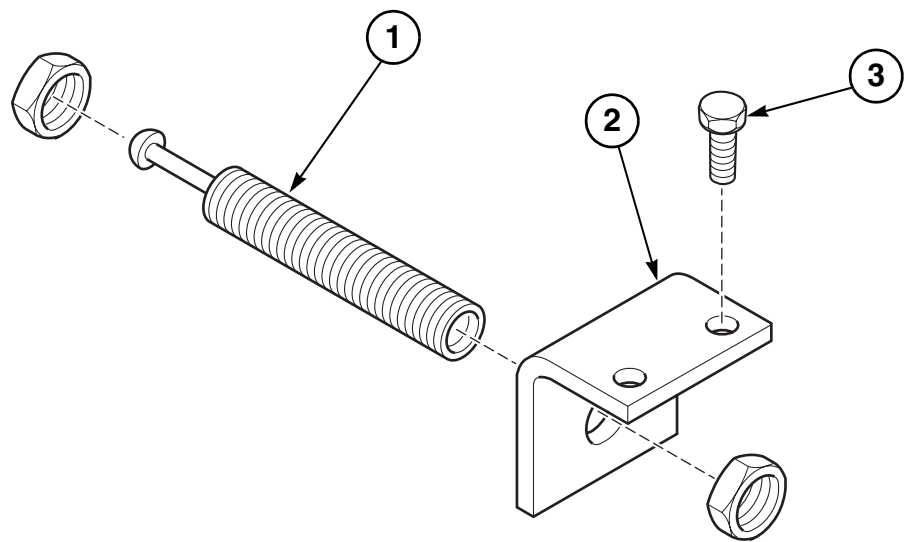


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Carriage Sub-Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1435247	Carriage Sub-Assembly	Includes items 1-10 and 18-25
	J1488816	Front Swivel Bracket Assembly	Models CTSBT and CTDBT; Includes items 11 and 15-17
	JA-23390	Spacer	.075 thick; Use as necessary to shim buck
	JA-23391	Spacer	.060 thick; Use as necessary to shim buck
	JA-23392	Spacer	.048 thick; Use as necessary to shim buck
	JA-23393	Spacer	.036 thick; Use as necessary to shim buck
	JA-22689	Washer	
	91200	Washer	
	JA-50190	Screw	
1	JA-23284	Roller Shaft	Lock-type; 2 required
2	JA-09243	Carriage Weldment	Front
3	JA-53985	Washer	4 required
4	M400022	Nut	8 required
5	J1618990	Washer	2 required
6	JA-06318	Roller Assembly	Concave; 2 required
7	J1001304	Washer	2 required
8	20274	Nut	2 required
9	JA-23283	Adjusting Roller Shaft	2 required
10	JA-23019	Spacer	2 required
11	J1484971	Front Swivel Bracket Weldment	
12	JC-80513	Washer	2 required
13	J1185073	Washer	2 required
14	J1023894	Screw	2 required
15	JA-54426	Swivel	2 required
16	F422101	Air Coupling	2 required
17	J1407741	Swivel Tubing Elbow	2 required
18	JA-23282	Plain Roller Shaft	2 required
19	JA-53985	Washer	4 required
20	JA-09186	Flat Roller	4 required
21	JA-53987	Retaining Ring	4 required
22	M400013	Washer	2 required
23	JC-60006	Screw	2 required
24	JA-22687	Nut	2 required
25	JA-53986	Washer	2 required

Shock Absorber Assembly

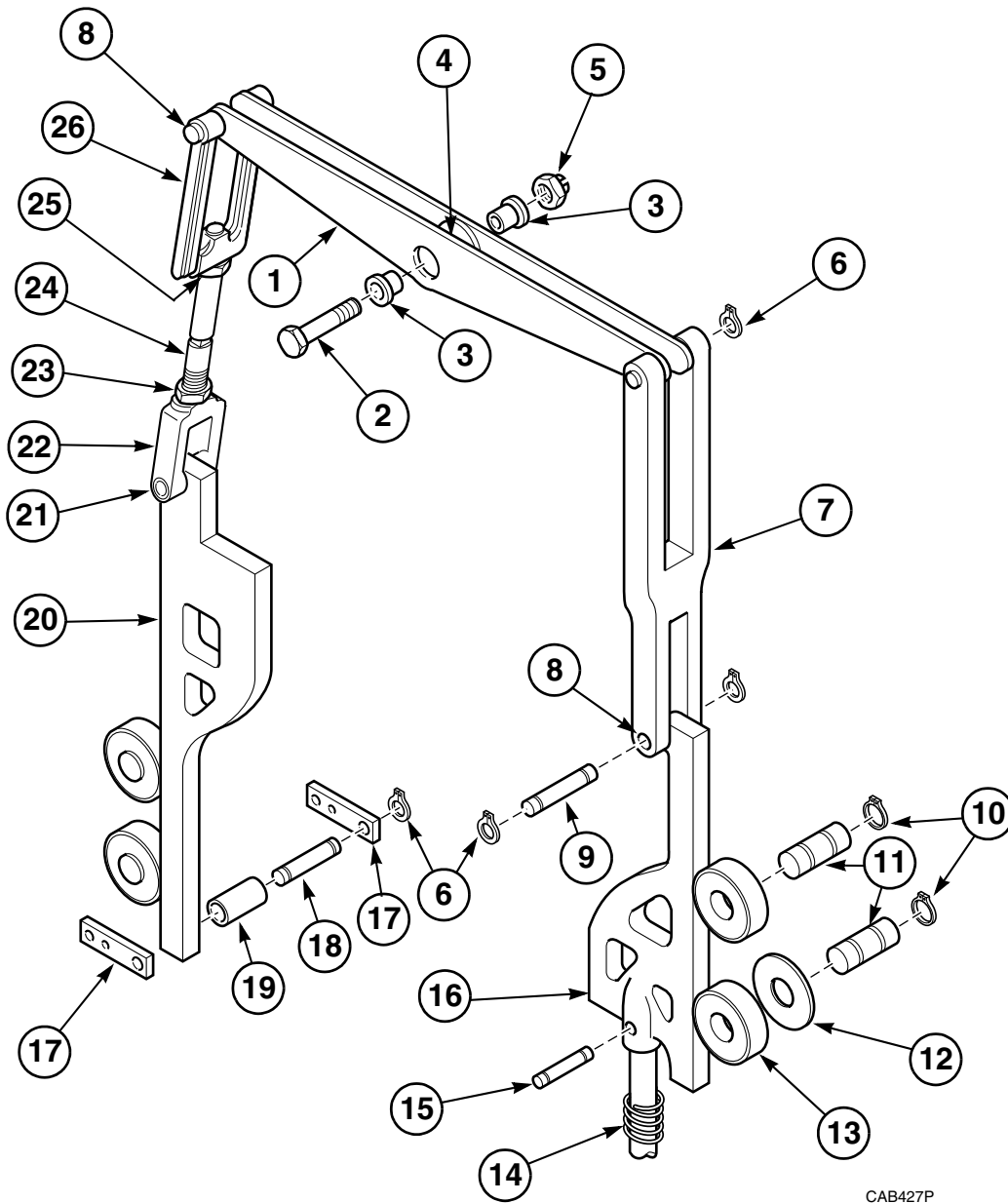


CAB2400P

Shock Absorber Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1626845	Shock Absorber Assembly	Includes items 1 and 2
1	J1626837	Shock Absorber Assembly	Includes nuts
2	J1518091	Mounting Bracket	
3	JC-62724	Screw	2 required

Rocker Arm and Cam Components

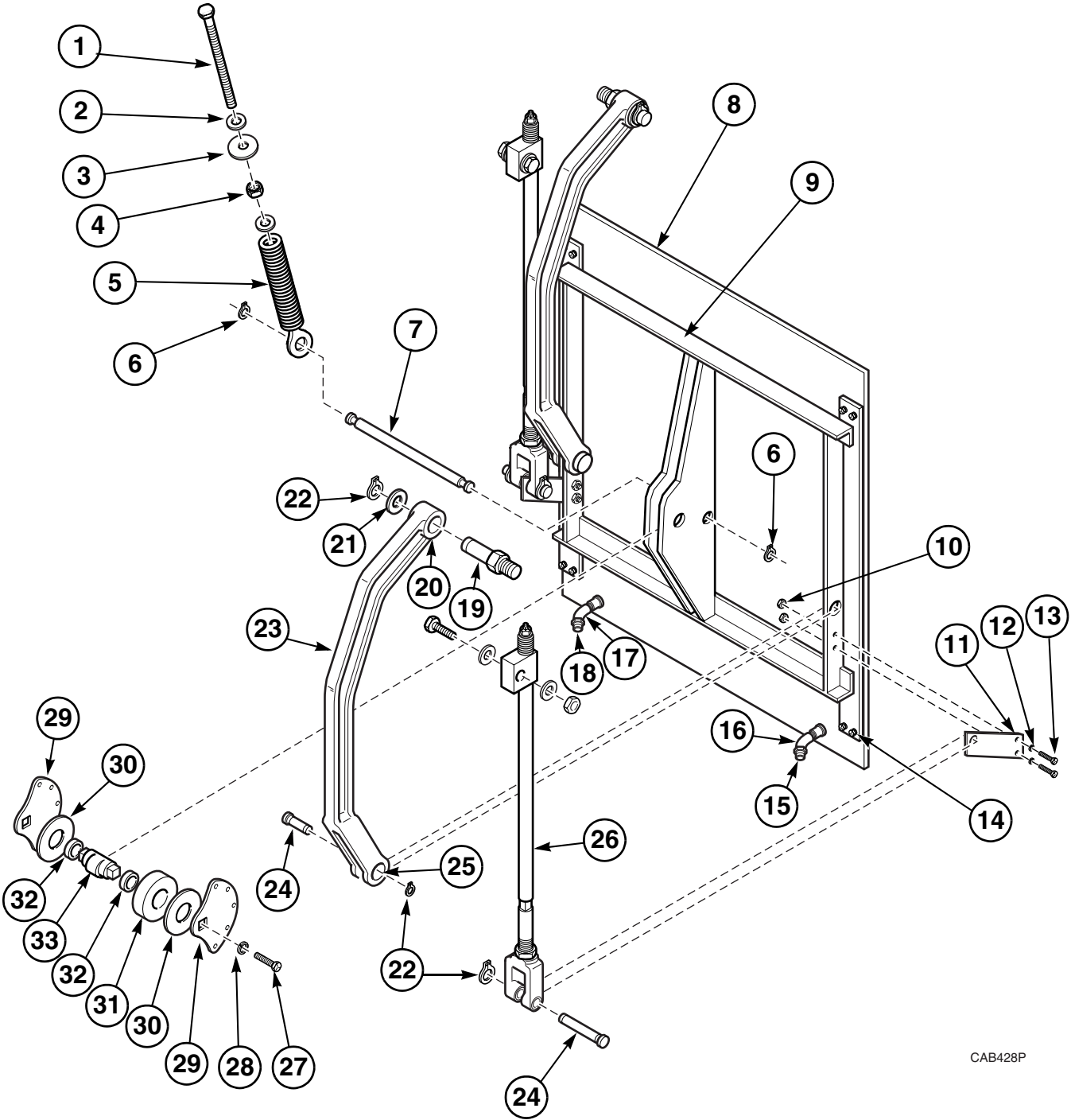


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Rocker Arm and Cam Components

REF	PART NO.	DESCRIPTION	COMMENTS
	JA-08726	Rocker Arm Assembly	Includes items 1-15
1	JA-08893	Rocker Arm Assembly	2 required
2	JA-50284	Screw	
3	JA-12024	Rocker Arm Bushing	2 required
4	JA-50897	Oilless Sleeve Bearing	2 required
5	JA-50742	Nut	
6	JA-50976	Retaining Ring	10 required
7	JA-08752	Cam Clevis Assembly	Includes item 8
8	JA-50909	Oilless Sleeve Bearing	6 required
9	JA-12257	Cam Clevis Pin	2 required
10	JA-50962	Retaining Ring	8 required
11	JA-22999	Bearing Shaft	4 required
12	JA-16924	Bearing Shield	Use as required
13	JA-50964	Roller Bearing	4 required
14	J1144732	Compression Spring	2 required
15	JC-54829	Roll Pin	
16	J1444090	Front Cam	
17	JA-12017	Cam Roller Guide	2 required
18	JA-22681	Cam Guide Pin	
19	JA-08829	Cam Roller Guide	
20	JA-24622	Cam	Rear
21	JA-51056	Oilless Sleeve Bearing	2 required
22	JA-08708	Cam Clevis Assembly	Includes item 21
23	JC-48169	Nut	
	JA-52116	Screw	2 required
24	JA-22574	Adjusting Rod	
25	JA-50438	Nut	
	JA-53116	Washer	
26	JA-08723	Cam Clevis Assembly	Includes item 8

Rear Head Components



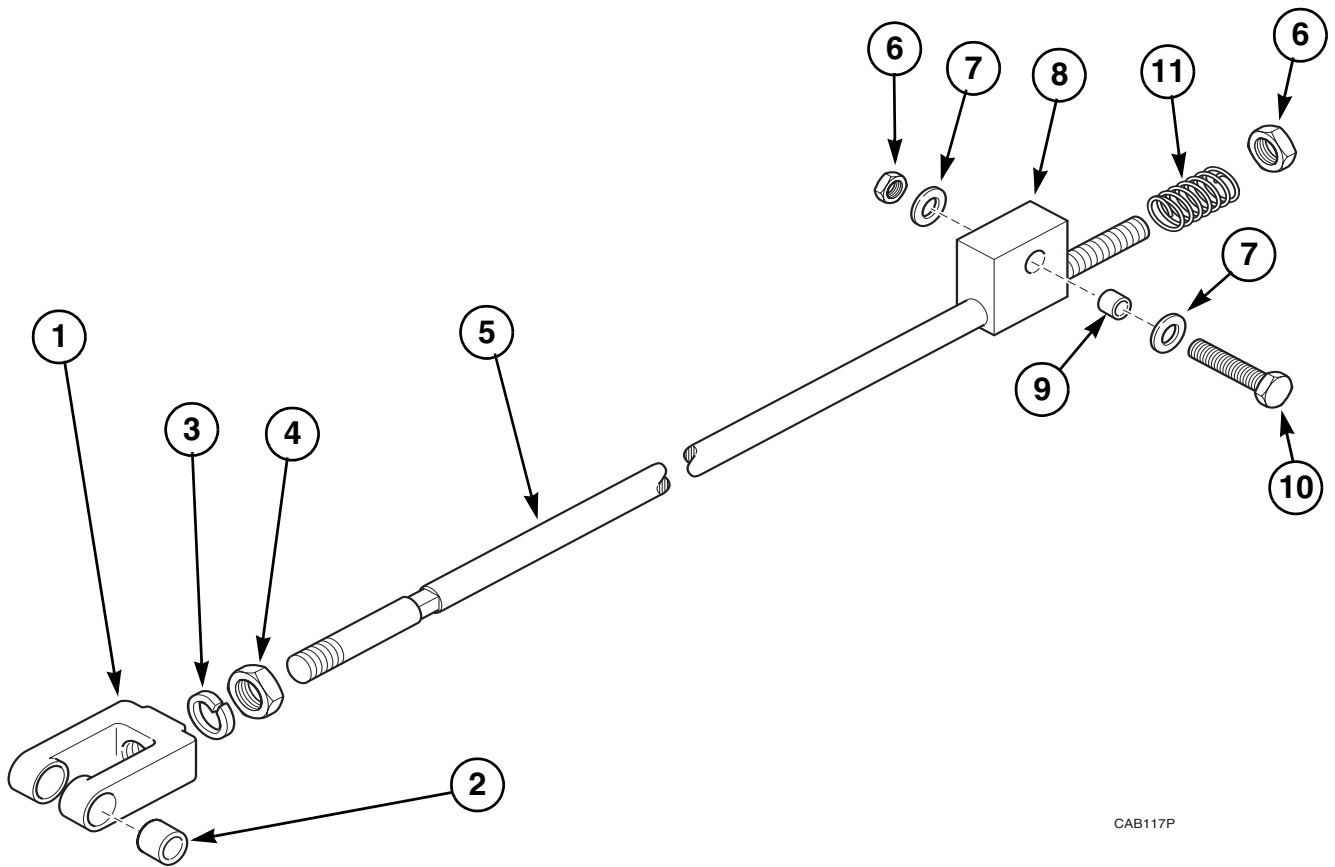
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Rear Head Components

REF	PART NO.	DESCRIPTION	COMMENTS
	JA-08711	Head Hanger Actuating Assembly	Includes items 20, 23 and 25; 2 required
1	JA-10158	Screw	2 required
2	J1001304	Washer	2 required
3	JA-51527	Gasket	2 required; Rubber
4	M400026	Nut	6 required
5	JA-08705	Spring Assembly	2 required
6	JA-50976	Retaining Ring	2 required
7	JA-22498	Spring Head Retraction Rod	
8	JA-81886	Rear Head Weldment	
9	JA-80097	Head Frame Weldment	Rear
10	20274	Nut	4 required
11	JA-22499	Pivot Bracket	2 required
12	M400014	Washer	4 required
13	430648	Screw	4 required
14	M400057	Screw	16 required
15	J1319276	Flare Connector	
16	J1231521	Street Pipe Elbow	
17	JA-50728	Nipple	
18	JA-50635	Pipe Elbow	
19	JA-22497	Pivot Pin	2 required
20	JA-53768	Sleeve Bearing	2 required
21	JA-53134	Washer	4 required
22	JA-51330	Retaining Ring	8 required
23	N/A	Head Actuating Hanger	
24	JA-22505	Hanger Pin	2 required
25	JA-50897	Oilless Sleeve Bearing	
26	JA-09220	Head Adjusting Rod Assembly	2 required; Rear; Refer to <i>Head Adjusting Rod Assembly</i> section for parts breakdown
27	JC-62724	Screw	2 required
28	M400013	Washer	Also used with item 14; 18 required
29	JA-11761	Quadrant Eccentric	2 required
30	JA-16924	Bearing Shield	Use as required
31	JA-50964	Roller Bearing	
32	JA-11763	Bearing Ring	2 required
33	JA-11762	Eccentric	

N/A = Part no longer available

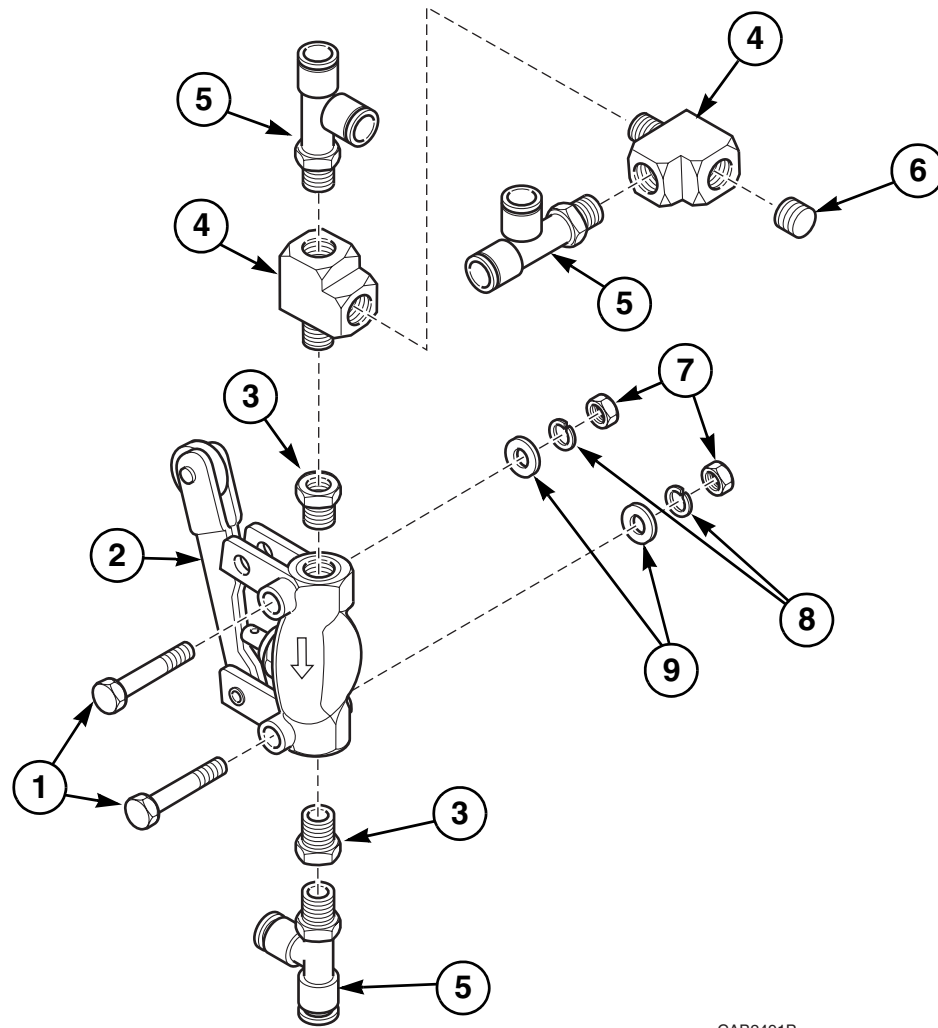
Head Adjusting Rod Assembly



Head Adjusting Rod Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	JA-08727	Head Adjusting Rod Assembly	Front; Includes items 1-11
	JA-09220	Head Adjusting Rod Assembly	Rear; Includes items 1-11
1	JA-08707	Head Adjusting Clevis	Includes item 2
2	JA-51326	Oilless Sleeve Bearing	2 required
3	JA-53116	Washer	
4	JC-48169	Nut	
5	JA-22686	Head Adjustment Rod	Front; 24-1/2 inches
	JA-23246	Head Adjustment Rod	Rear; 23-1/2 inches
6	JA-50742	Nut	2 required
7	J1001338	Washer	2 required
8	JA-05025	Bracket Assembly	Includes item 9
9	JA-51070	Oilless Sleeve Bearing	
10	JA-50282	Screw	
11	JA-52276	Compression Spring	

Front Head Open Roller Valve Assembly – CTDB Models

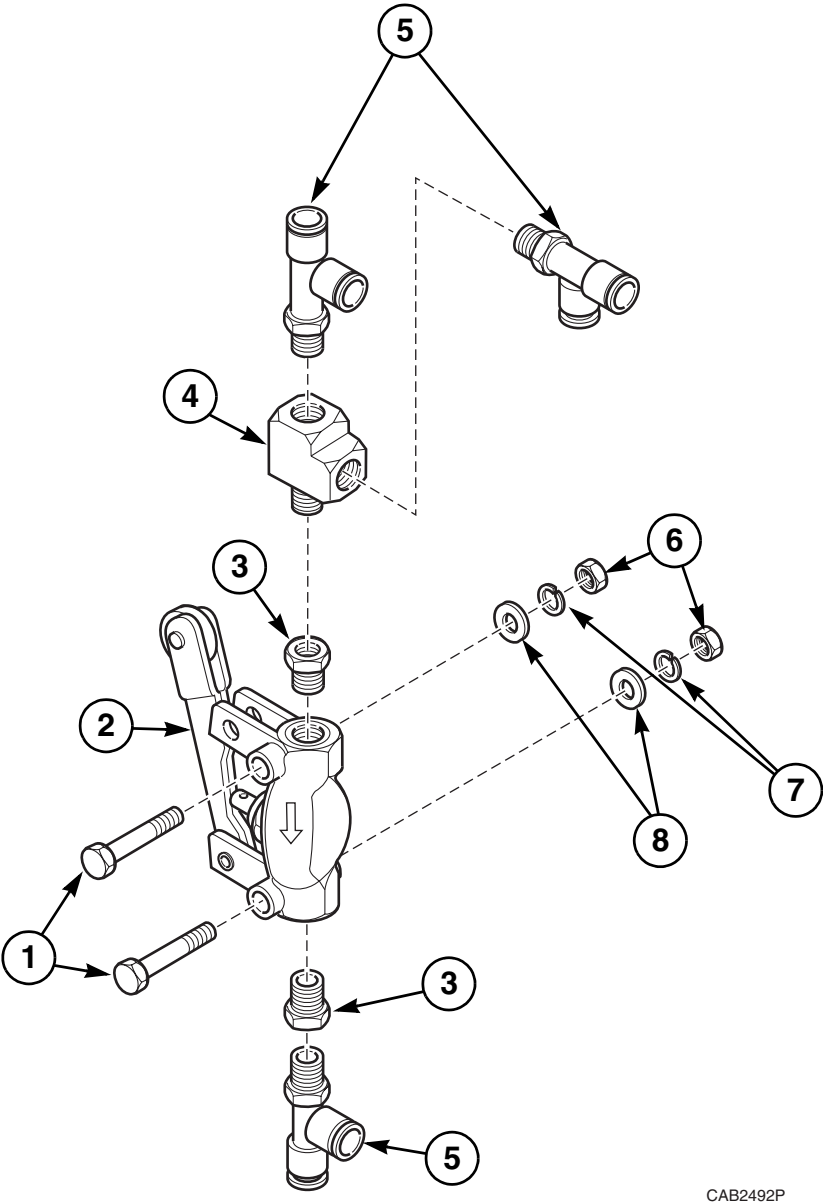


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Front Head Open Roller Valve Assembly – CTDB Models

REF	PART NO.	DESCRIPTION	COMMENTS
	J1523935	Roller Valve Assembly	Front head open; Includes items 2-6
1	JC-63116	Screw	2 required
2	JA-53892	3-Way Air Roller Valve	
3	JC-19609	Reducing Bushing	2 required
4	JC-30541	Street Pipe Tee	2 required
5	J1438357	Quick Tubing Tee	3 required
6	J1039858	Pipe Plug	
7	20275	Nut	2 required
8	J1185073	Washer	2 required
9	JC-80513	Washer	2 required

Front Head Open Roller Valve Assembly – CTSB Models

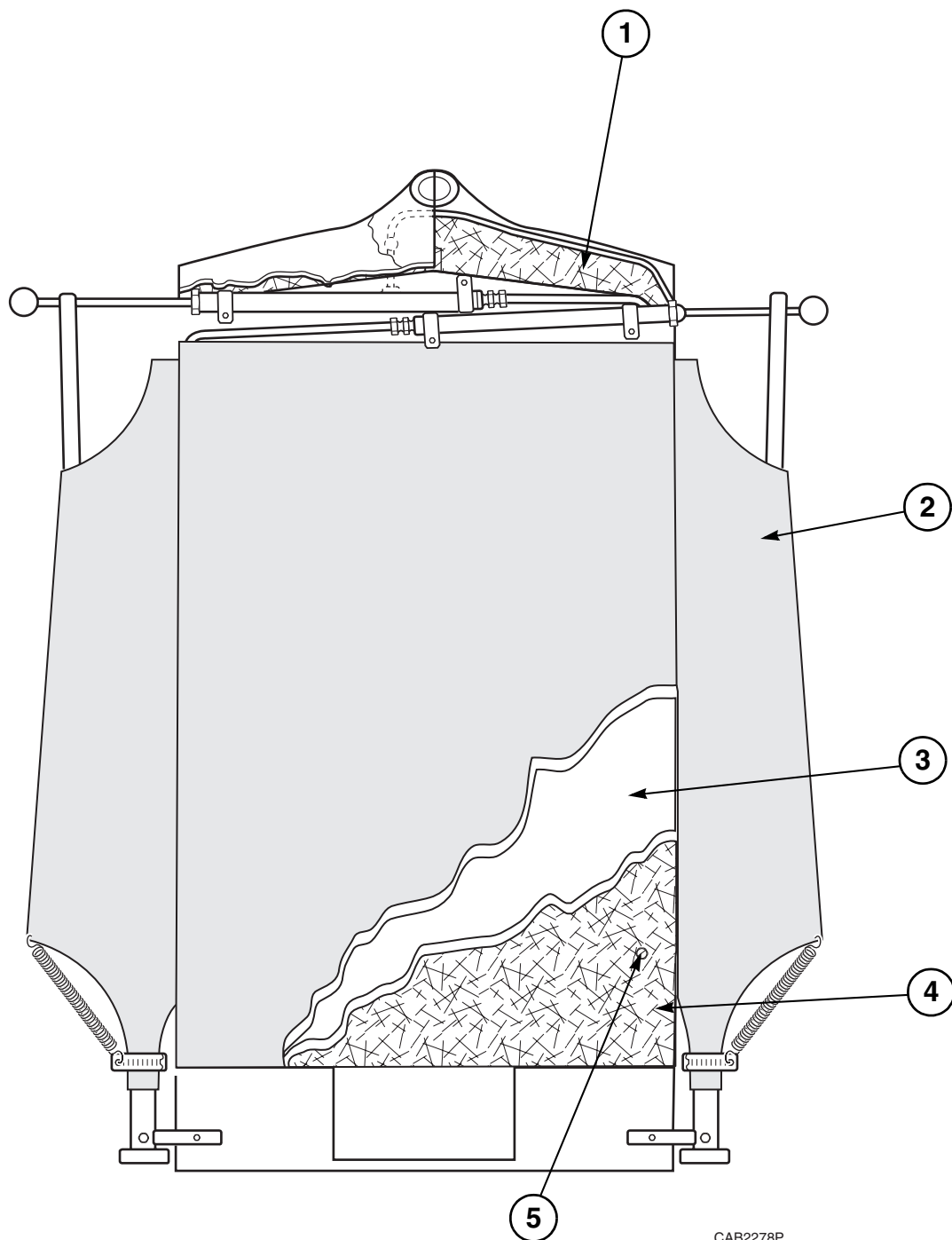


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Front Head Open Roller Valve Assembly – CTSB Models

REF	PART NO.	DESCRIPTION	COMMENTS
	J1534064	Roller Valve Assembly	Front head open; Includes items 2-5
1	JC-63116	Screw	2 required
2	JA-53892	3-Way Air Roller Valve	
3	JC-19609	Reducing Bushing	2 required
4	JC-30541	Street Pipe Tee	2 required
5	J1438357	Quick Tubing Tee	3 required
6	20275	Nut	2 required
7	J1185073	Washer	2 required
8	JC-80513	Washer	2 required

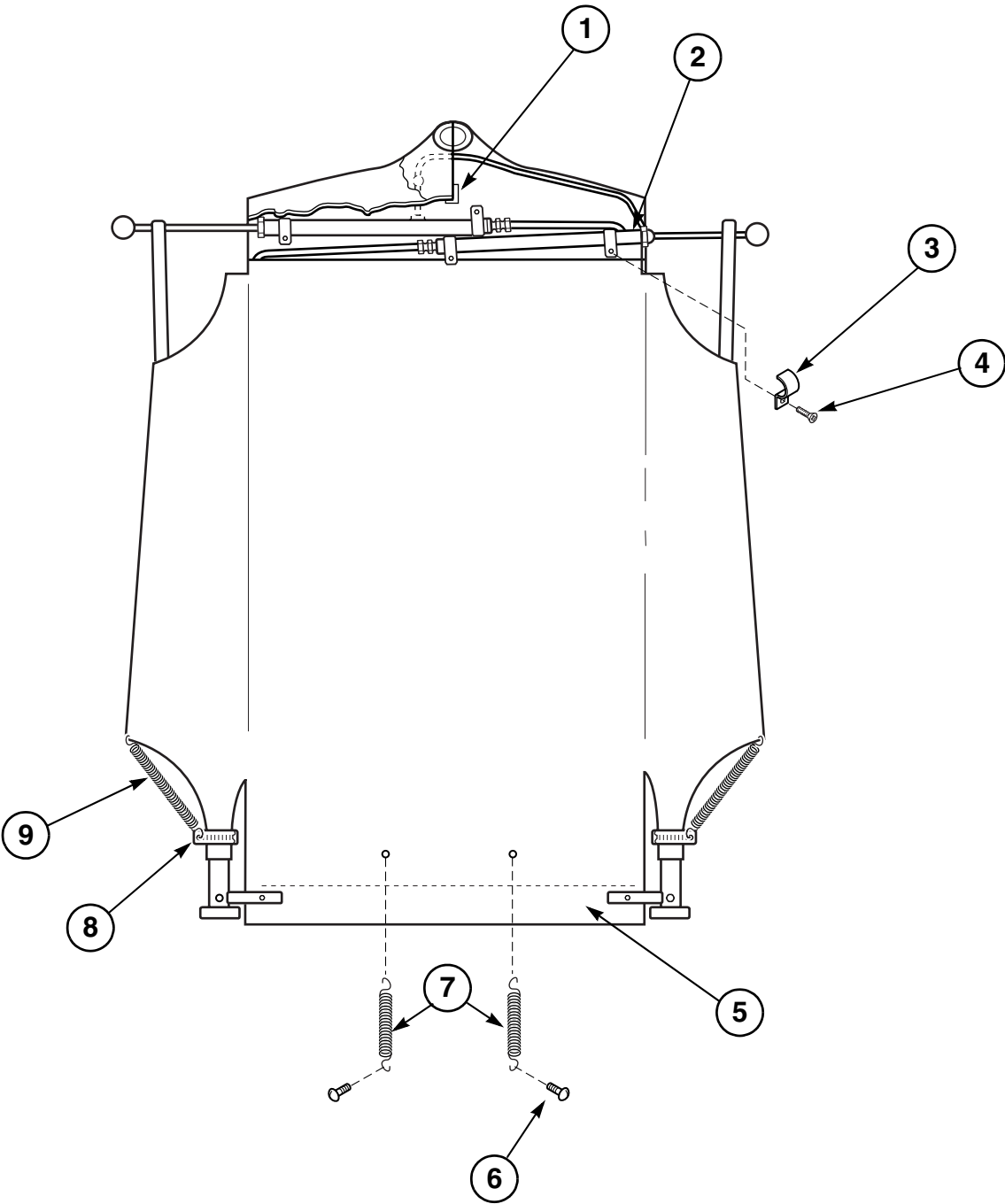
Buck and Cover Assembly – Models CTDBV and CTSBV (Drawing 1 of 2)



Buck and Cover Assembly – Models CTDBV and CTSBV (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1473529	Cover and Padding Assembly	Front; 18 inch models
	J1494293	Buck Cover and Pad Assembly	Front; 20 inch models
	J1473537	Cover and Padding Assembly	Rear; 18 inch models
	J1494301	Buck Cover and Pad	Rear; 20 inch models
1	J1470285	Spring Padding Assembly	18 inch models
	J1494269	Spring Padding Assembly	20 inch models
2	J1473404	Air Bag	18 inch models
	J1494251	Cover and Bag Assembly	20 inch models
3	J1473412	Flannel Pad	30 ounce flannel; 18 inch models
	J1494244	Flannel Pad	30 ounce flannel; 20 inch models
4	J1470277	Monel Wool Padding	18 inch models
	J1494277	Steel Wool Padding Assembly	20 inch models
5	J1333285	Screw	Use to attach steel wool padding

Buck and Cover Assembly – Models CTDBV and CTSBV
(Drawing 2 of 2)

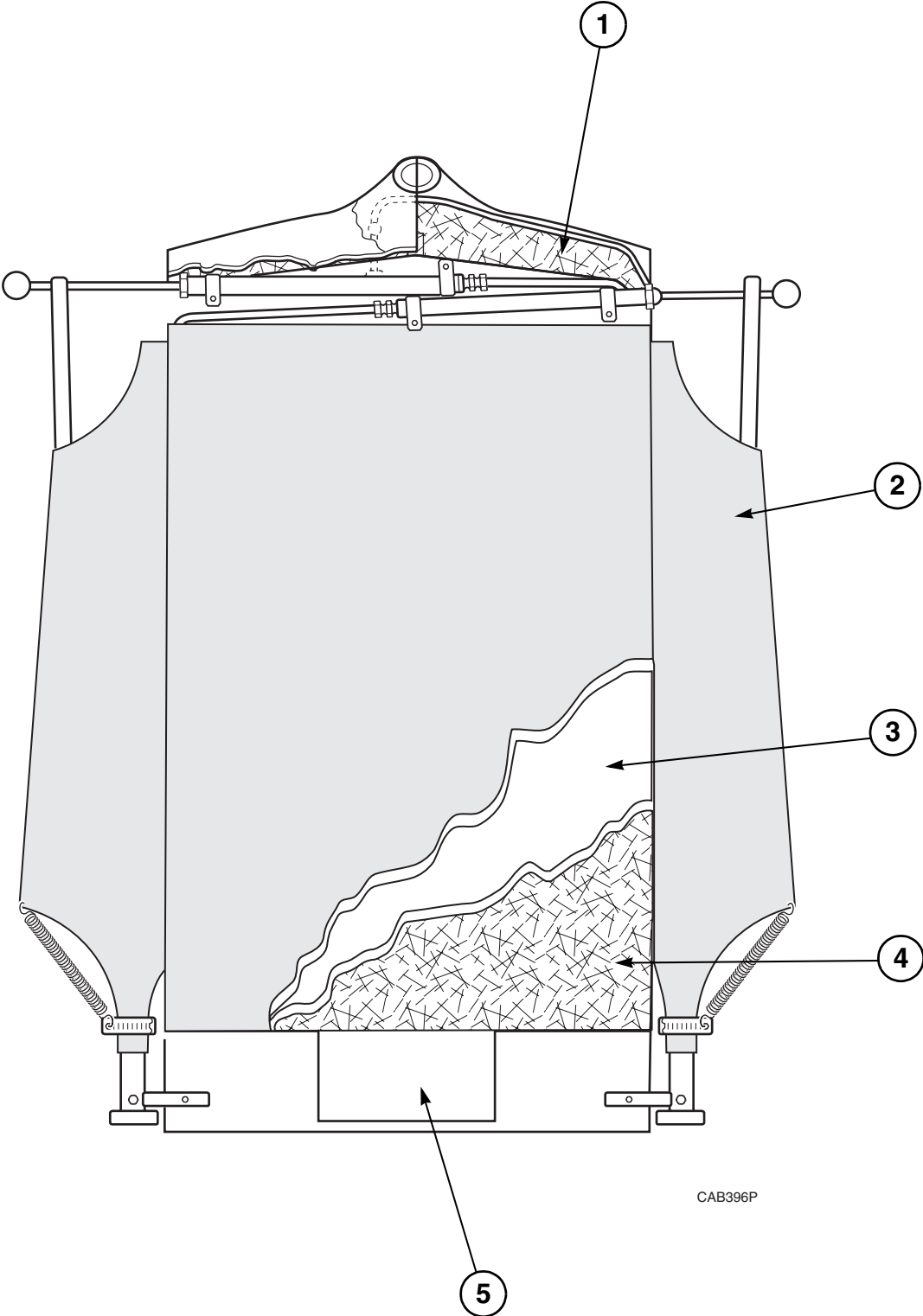


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Buck and Cover Assembly – Models CTDBV and CTSBV (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
1	JA-24579	Mounting Bracket Clamp	Use JA-24245 Nut and J1354612 Screw to attach
2	J1473107	Sleeve Expander	18 inch models
	J1492867	Sleeve Expander	20 inch models
3	J1187889	Jiffy Clip	
4	JC-62593	Screw	
5	J1470293	Buck Plate Weldment	Front; 18 inch models
	J1494194	Buck Plate Weldment	Front; 20 inch models
	J1590561	Buck Plate Weldment	Rear; 18 inch models
	J1494202	Buck Plate Weldment	Rear; 20 inch models
6	JA-54156	Screw	
7	JA-51399	Extension Spring	
8	JA-51758	Safety Pin	
9	JA-52758	Spring	

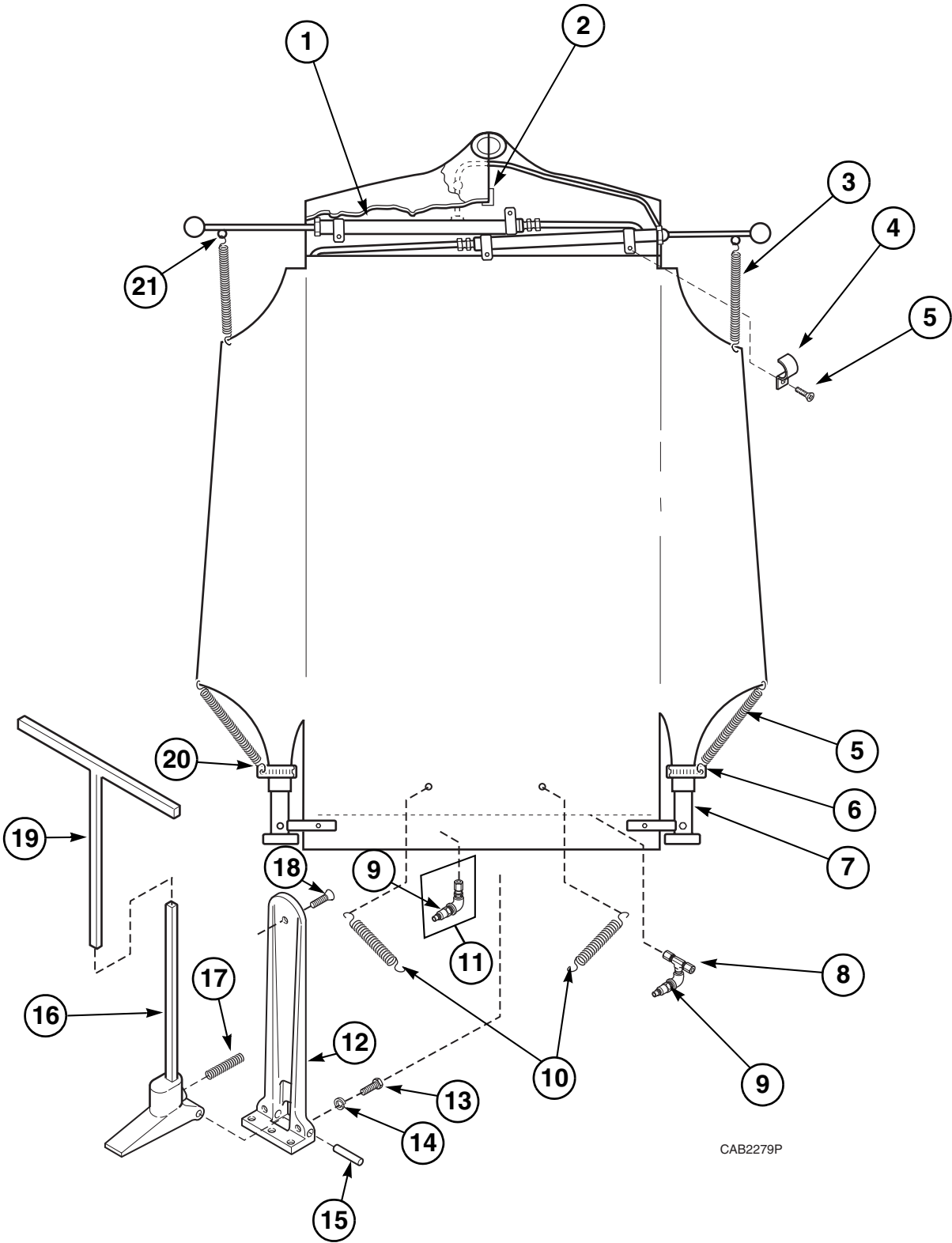
Buck and Cover Assembly – Models CTDBT and CTSBT
(Drawing 1 of 2)



Buck and Cover Assembly – Models CTDBT and CTSBT (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1533900	Buck and Cover Assembly	18 inch models
	J1533942	Buck and Cover Assembly	20 inch models
1	JA-09474	Padding	18 inch models
	JA-09023	Spring Padding Assembly	20 inch models
2	J1473404	Air Bag	18 inch models
	J1494251	Cover and Bag Assembly	20 inch models
3	JA-09476	Padding Assembly	30 ounce flannel; 18 inch models
	JA-09164	Padding Assembly	30 ounce flannel; 20 inch models
4	J1444009	Padding Assembly	Steel wool; 18 inch models
	J1530989	Padding Assembly	Steel wool; 20 inch models
5	J1531797	Buck Plate	18 inch models
	J1533843	Buck Plate	20 inch models

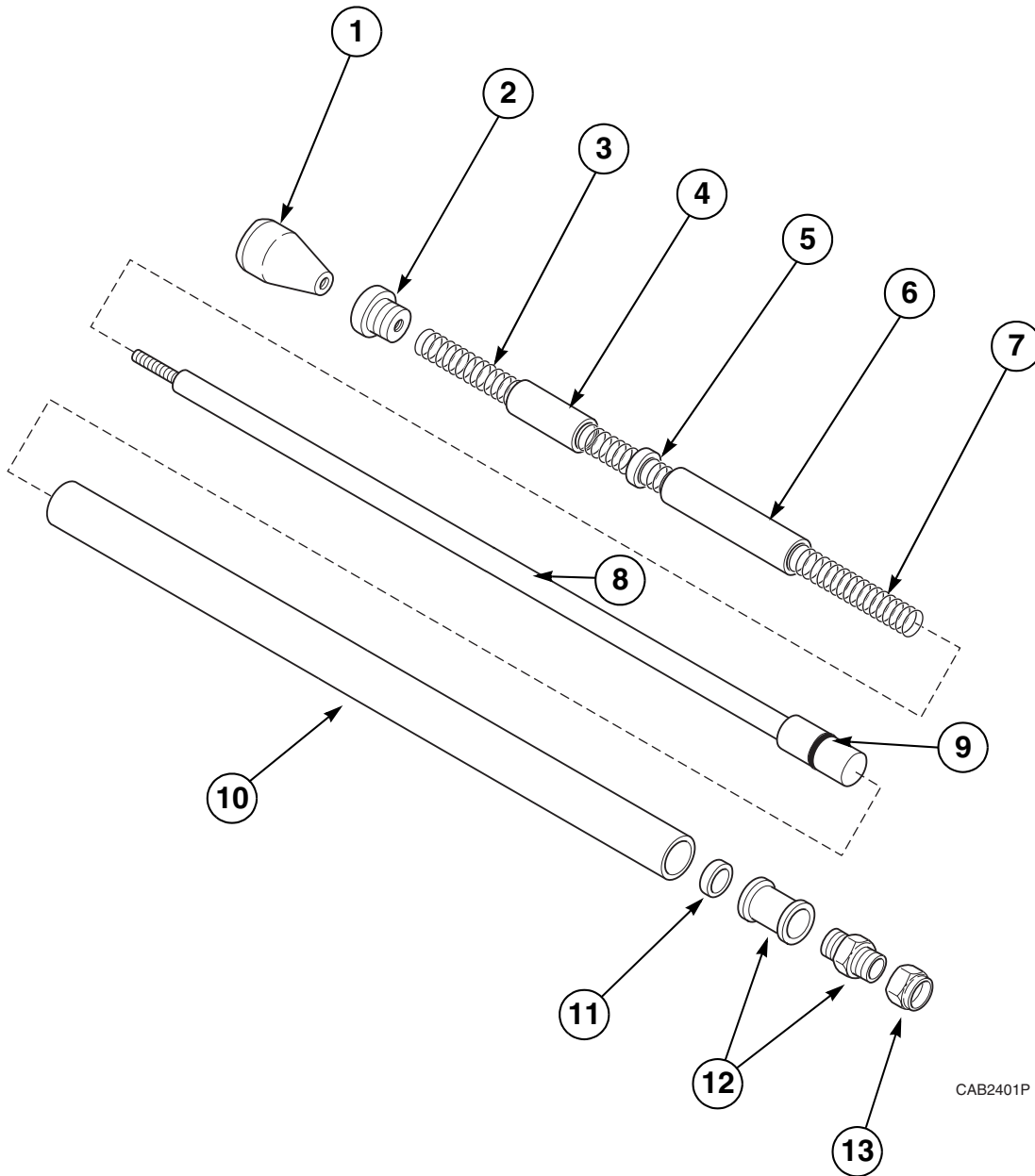
Buck and Cover Assembly – Models CTDBT and CTSBT
(Drawing 2 of 2)



Buck and Cover Assembly – Models CTDBT and CTSBT (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
1	J1473107	Sleeve Expander	18 inch models
	J1492867	Sleeve Expander	20 inch models
2	JA-24579	Mounting Bracket Clamp	Use JA-24245 Nut and J1354612 Screw to attach
3	JA-52758	Spring	
4	J1187889	Jiffy Clip	
5	JA-51725	Screw	
6	J1153865	Worm Gear Clamp	
7	JA-80328	Air Bag Tube Assembly	18 inch models
	JA-80329	Air Bag Tube	20 inch models
8	JA-09835	Elbow and Tee Assembly	
9	J1075175	Compression Connector	
10	JA-51399	Extension Spring	
11	JA-09836	Elbow Connector	
12	JA-19037	Guide Shaft	Models through December 1994
	J1541820	Shaft Guide	Models starting December 1994
13	JA-54156	Screw	
14	J1185073	Washer	
15	JA-19051	Tail Clamp Shaft	
16	J1299262	Tail Clamp Pivot Weldment	
17	JA-51455	Compression Spring	
18	JC-62593	Screw	
19	J1299296	Tail Clamp Assembly	
20	JA-51758	Safety Pin	
21	J1528595	Retaining Ring	

Sleeve Expander Assembly

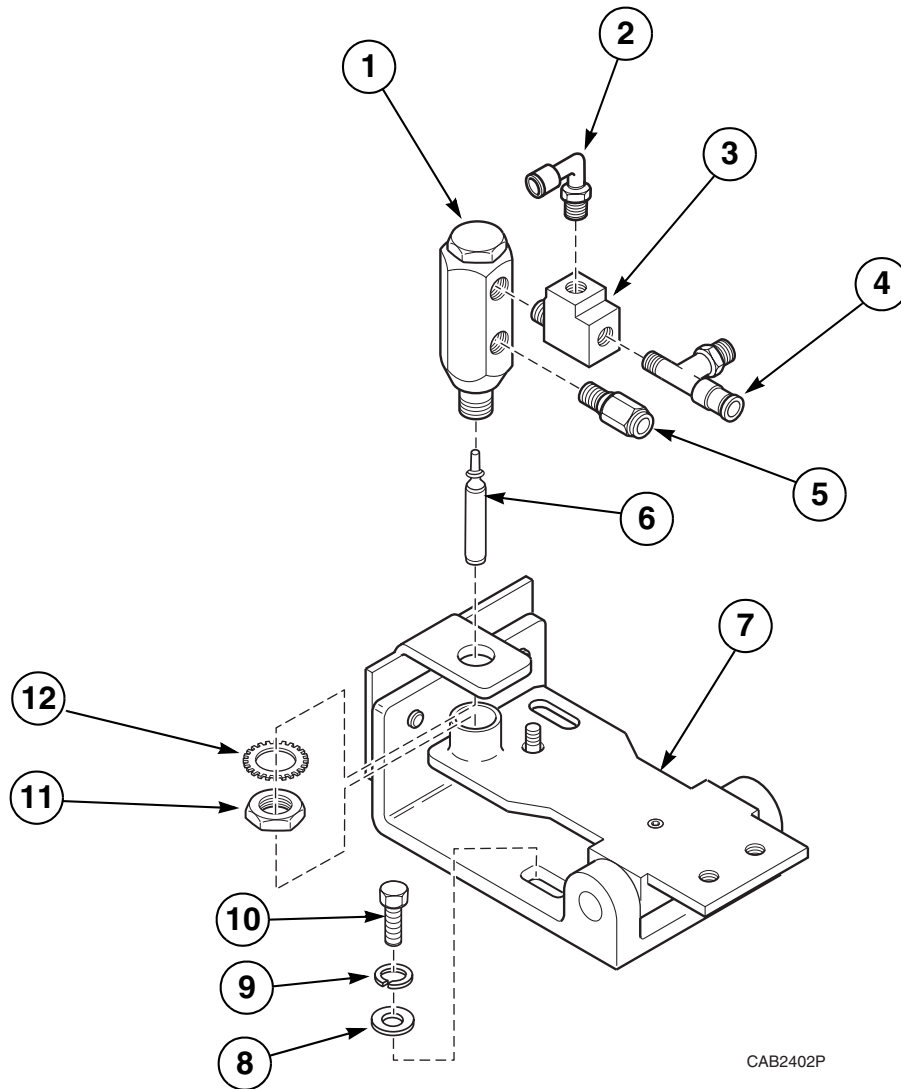


Sleeve Expander Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1473107	Sleeve Expander	2 required; 18 inch models; Includes items 1-13
	J1492867	Sleeve Expander	2 required; 20 inch models; Includes items 1-4, 6, 7 and 9-13
	J200055200	Sleeve Expander	Order to replace J1473107 Sleeve Expander and J1492867 Sleeve Expander
	JKIT-00220	Sleeve Expander Kit	18 inch models through April 1992
	J1492867P	Sleeve Expander Kit	20 inch models through April 1992
1	J1467968	Sleeve Expander Knob	Includes o-ring
2	J1473792	Front Bushing	
3	JA-53077	Spring	Shorter
4	JA-19785	Spacer	
5	JA-12217	Spring Separator	
6	JA-16120	Spacer	
7	JA-50932	Spring	Longer
8	N/A	Shaft and Piston Assembly	18 inch models; Includes items 2 and 9
	J1616408	Shaft and Piston Assembly	20 inch models; Includes items 2 and 9
9	J1473800	Piston Seal	
10	J1473784	Sleeve Expander Tube	18 inch models
	N/A	Sleeve Expander Tube	20 inch models
11	J1507342	Rear Head Spacer	
12	J1473776	Rear Bushing	
13	J1151661	Compression Connector	

N/A = Part no longer available

Pedal Base and Valve Assembly

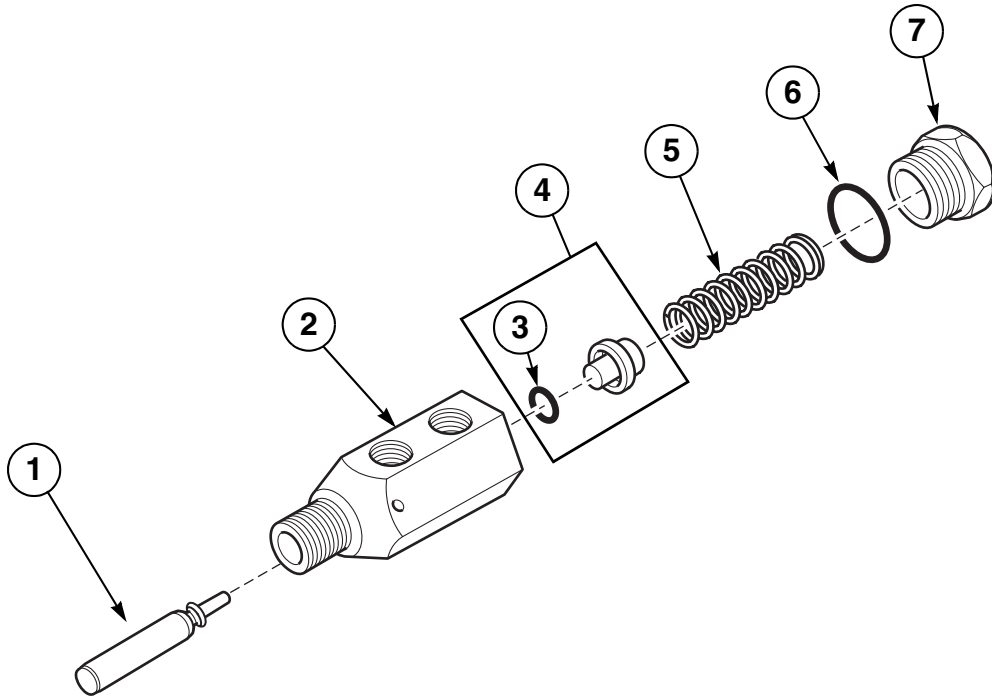


Pedal Base and Valve Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	N/A	Pedal Base and Valve Assembly	Models through September 1996; Includes items 1-7, 11 and 12
	J1484682	Pedal Base and Valve Assembly	Models starting September 1996; Includes items 1, 3-7, 11 and 12
1	JA-06430	Valve Body Assembly	Refer to <i>Valve Body Assembly</i> section for parts breakdown
2	J1407741	Swivel Tubing Elbow	Models through September 1996
3	JC-30541	Street Pipe Tee	
4	J1438357	Quick Tubing Tee	
5	F422101	Air Coupling	
6	J1611417	Valve Stem Assembly	
7	J1484930	Pedal Base Assembly	Refer to <i>Pedal Base Assembly</i> section for parts breakdown
8	M400081	Washer	2 required
9	M400014	Washer	2 required
10	M400043	Screw	2 required
11	JA-51474	Nut	
12	JA-52196	Washer	

N/A = Part no longer available

Valve Body Assembly

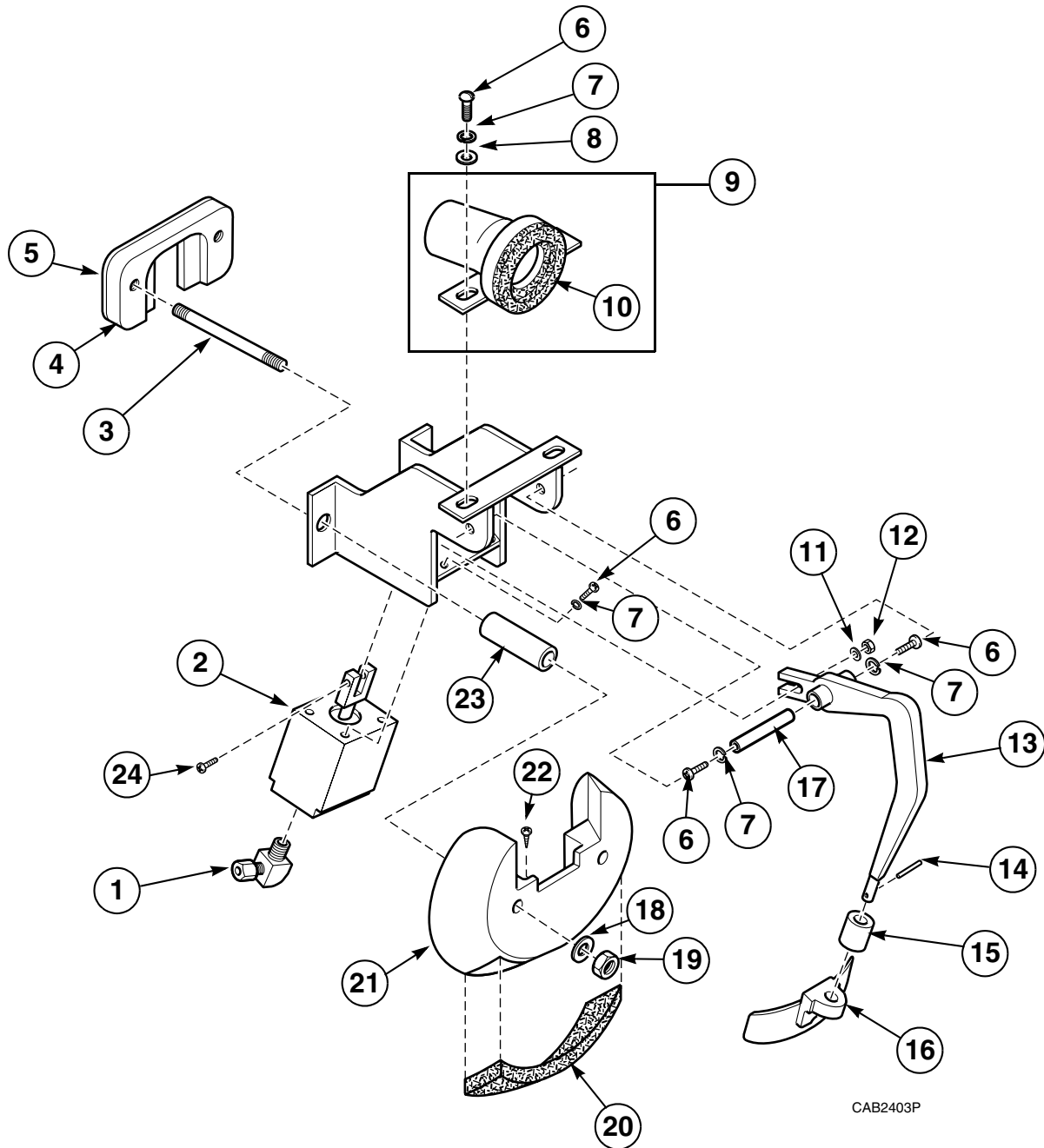


SCR1842P

Valve Body Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	JA-06430	Valve Body Assembly	Includes items 1-7
1	J1611417	Valve Stem Assembly	
2	JA-10514	Valve Body	
3	J1403310	O-Ring	Viton; Models starting June 1998
4	JA-11599	Valve	Includes item 3
5	JA-51336	Compression Spring	
6	JC-57441	O-Ring	
7	JA-10515	Valve Cap	

Collar Block Assembly – Models Starting October 1993

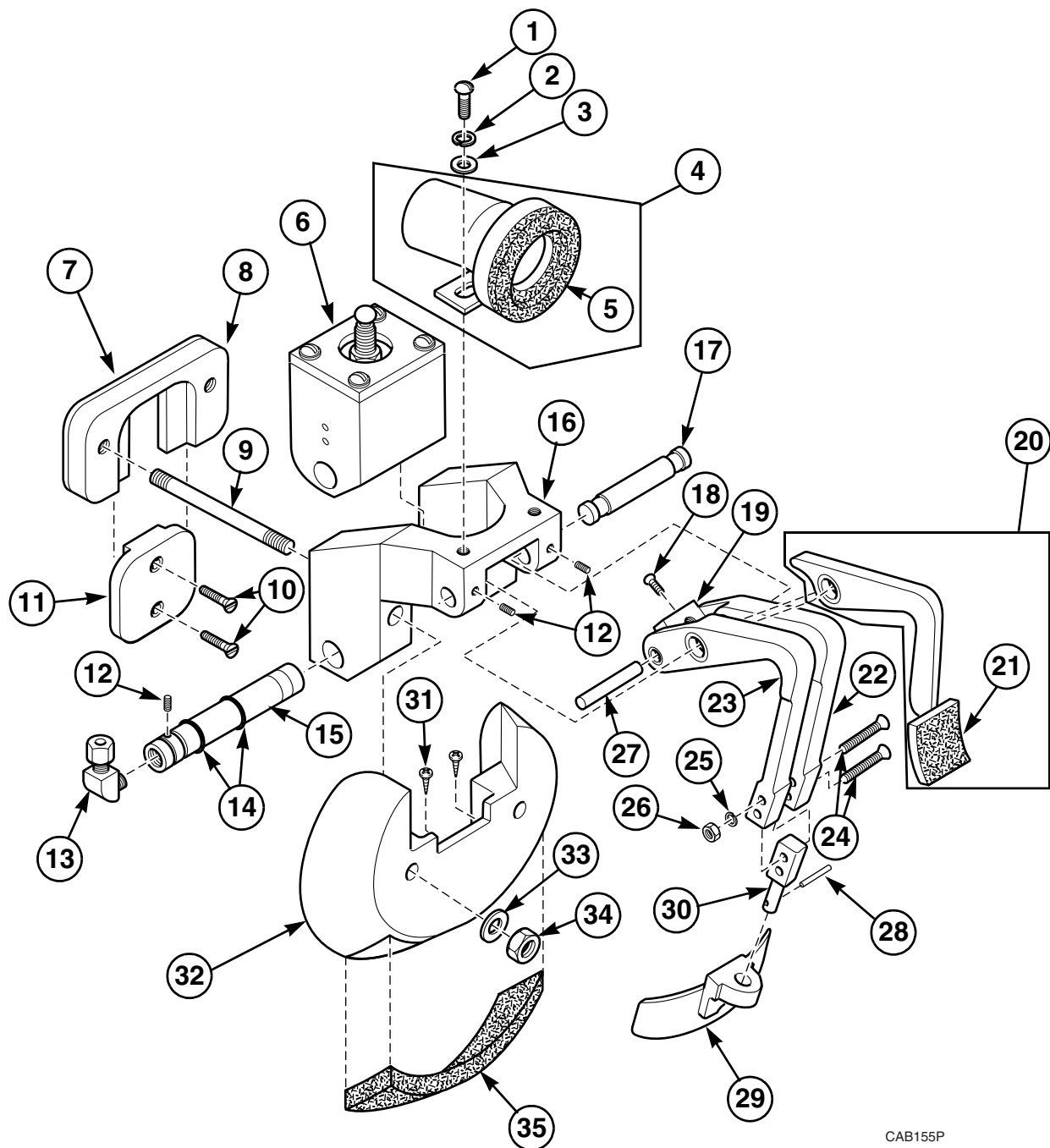


CAB2403P

Collar Block Assembly – Models Starting October 1993

REF	PART NO.	DESCRIPTION	COMMENTS
	J200104200	Collar Block Assembly	Includes items 1-24
1	JA-50770	Male Compression Elbow	
2	J1504018	Collar Block Cylinder Assembly	Refer to <i>Collar Block Cylinder Assembly</i> section for parts breakdown
3	J200144100	Screw	2 required
4	J200103900	Mounting Bracket Plate	
5	J1413087	Mounting Bracket Tape	
6	J1185107	Screw	4 required
7	J1000975	Washer	4 required
8	JC-80759	Washer	
9	JA-09174	Collar Tube Assembly	Includes item 10
10	J1401389	Seal	
11	J1085984	Washer	
12	J1209113	Nut	
13	J1624774	Collar Block Arm Assembly	
14	J1407725	Roll Pin	
15	J1001270	Washer	
16	JA-22812	Swivel Clamp	
17	J1484401	Collar Block Axle	
18	F431134	Washer	
19	M400026	Nut	
20	JA-09244	Insert Assembly	
21	JA-24340	Collar Block	
22	JA-50454	Screw	
23	J1488873	Collar Block Spacer	2 required
24	J1489053	Screw	

Collar Block Assembly – Models Through October 1993



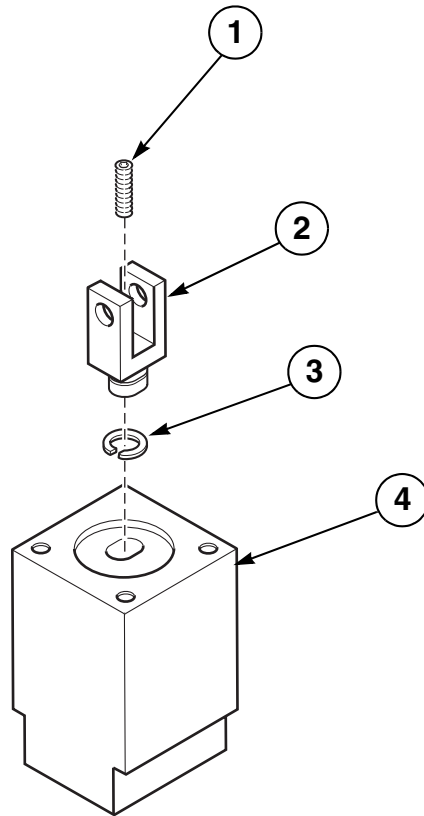
CAB155P

Collar Block Assembly – Models Through October 1993

REF	PART NO.	DESCRIPTION	COMMENTS
	JA-08877	Collar Block Assembly	Includes items 1-35
1	J1185107	Screw	2 required
2	J1000975	Washer	2 required
3	JC-80759	Washer	2 required
4	JA-09174	Collar Tube Assembly	Includes item 5
5	J1401389	Seal	
6	JA-09786	Collar Valve Assembly	Refer to <i>Collar Valve Assembly</i> section section for parts breakdown
7	J1413087	Mounting Bracket Tape	
8	J200103900	Mounting Bracket Plate	
9	J200144100	Screw	2 required
10	J1354612	Screw	
11	JA-24579	Mounting Bracket Clamp	
12	JA-50353	Screw	3 required
13	JA-50770	Male Compression Elbow	
14	JA-51744	O-Ring	2 required
15	JA-22803	Shaft	
16	JA-22817	Housing	
17	JA-22798	Collar Shaft	
18	JC-61344	Screw	
19	JA-22799	Nut	
20	JA-22813	Valve Release Arm	Includes item 21
21	J1433895	Plastic Boot	
22	JA-23719	Arm	
23	JA-23720	Arm	
24	JA-54087	Screw	2 required
25	J1188473	Washer	2 required
26	J1000736	Nut	2 required
27	JA-54204	Dowel Pin	
28	J1407725	Roll Pin	
29	JA-22812	Swivel Clamp	
30	JA-22797	Swivel Pin	
31	JA-50454	Screw	2 required
32	JA-24340	Collar Block	
33	J1001304	Washer	2 required
34	M400026	Nut	2 required
35	JA-09244	Insert Assembly	

Collar Block Cylinder Assembly

Models Starting October 1993



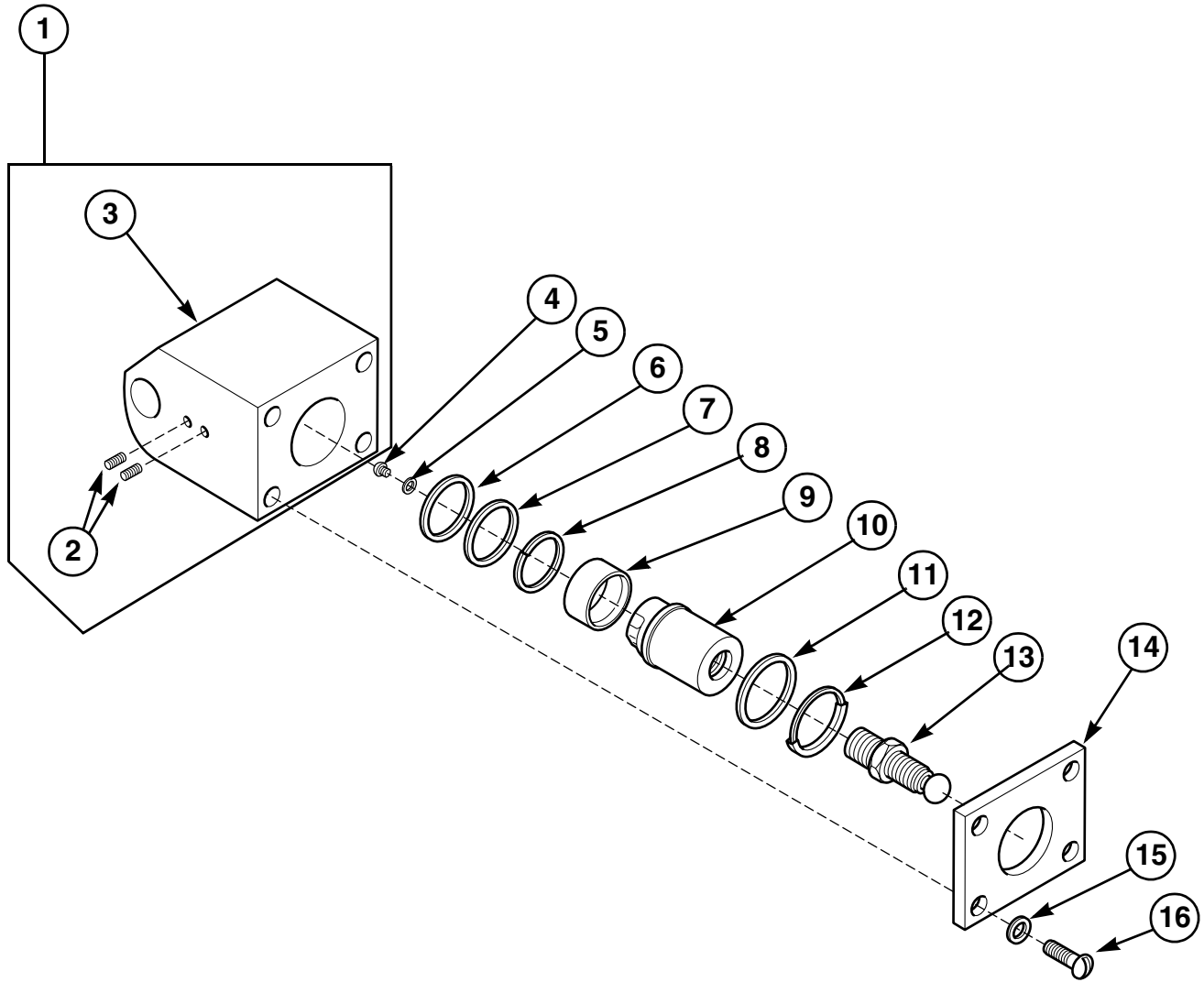
CAB2199P

Collar Block Cylinder Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1504018	Collar Block Cylinder Assembly	Includes items 1-4
	J1537398	Collar Block Cylinder Assembly Repair Kit	Use to repair J1504018 Collar Block Cylinder Assembly; Kit contains 4 Viton o-ring piston seals, 1 internal return spring and 1 snap ring
1	JA-50358	Screw	
2	J1484419	Collar Block Clevis	
3	J1000975	Washer	
4	J1484260	Collar Block Cylinder	

Collar Valve Assembly

Models Through October 1993

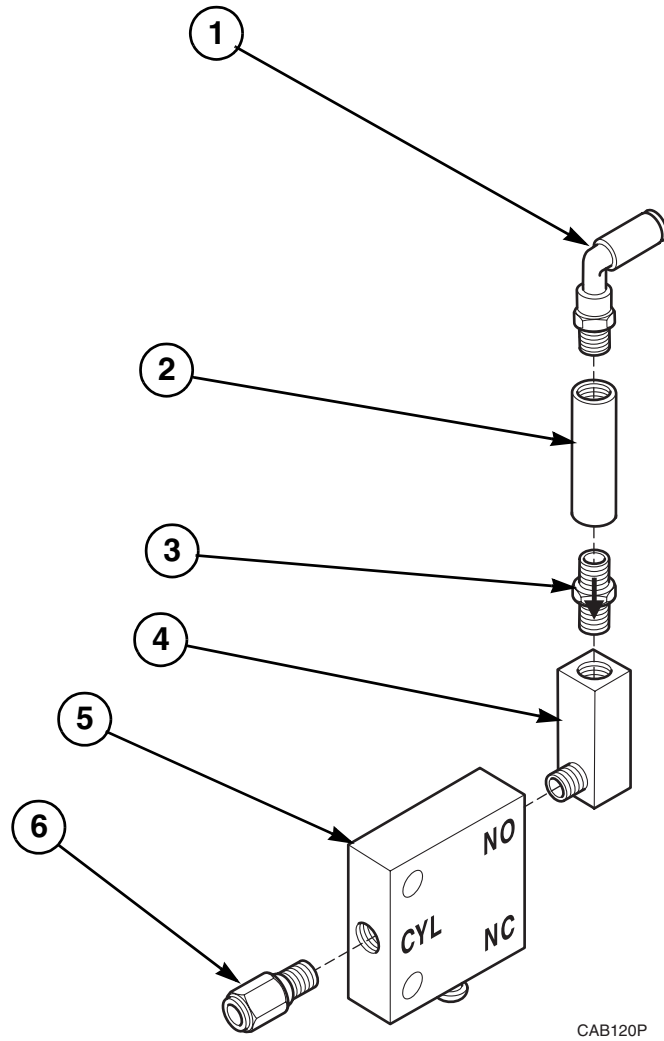


CAB1962P

Collar Valve Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	JA-09786	Collar Valve Assembly	Includes items 1-16
1	J1504091	Valve Body	Includes items 2 and 3
2	J1133990	Screw	
3	J1504091	Valve Body	
4	J1187228	Screw	2 required
5	JA-54044	Washer	2 required
6	JA-23554	Washer	
7	JA-54046	Kapseal	Must use JA-24476 Collar Clip Adapter to replace
8	JA-53879	O-Ring	
9	JA-24476	Collar Clip Adapter	
10	JA-23560	Washer	
11	JA-53865	O-Ring	
12	JA-54045	Kapseal	
13	JA-53893	Bleeder Valve	Must use JA-80069 Spanner Wrench to replace
14	J1643410	Valve End Plate	
15	J1000975	Washer	4 required
16	J1185107	Screw	4 required

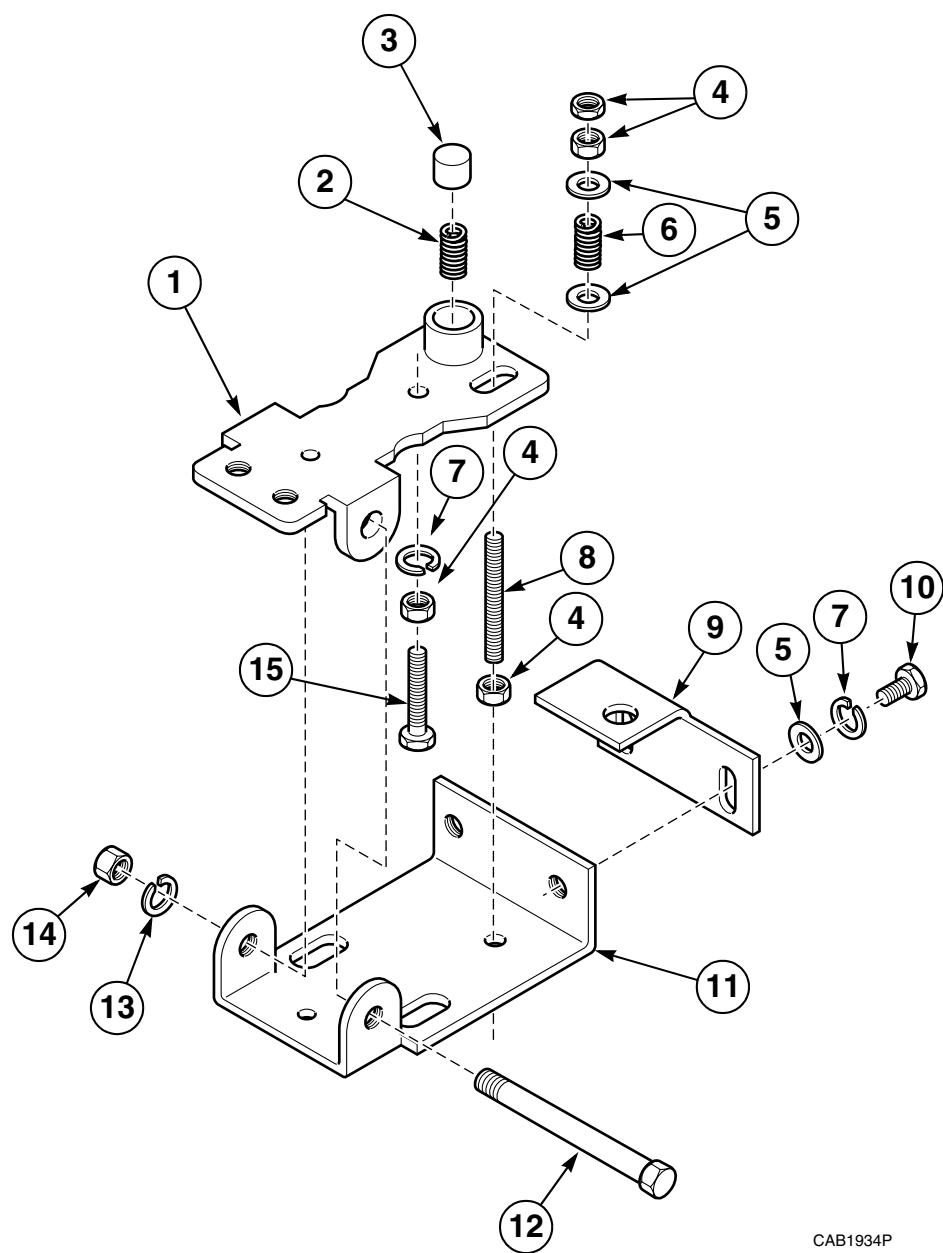
Valve Assembly



Valve Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1485010	Valve Assembly	Includes items 1-6; Collar block foot pedal
	M400014	Washer	2 required
	M400081	Washer	2 required
	M400043	Screw	2 required
	J1484930	Pedal Base Assembly	
1	J1407741	Swivel Tubing Elbow	
2	J1018571	Pipe Coupling	
3	JA-54042	Check Valve	
4	J1381623	Street Elbow	
5	J1142504	3-Way Valve	
6	F422101	Air Coupling	

Pedal Base Assembly

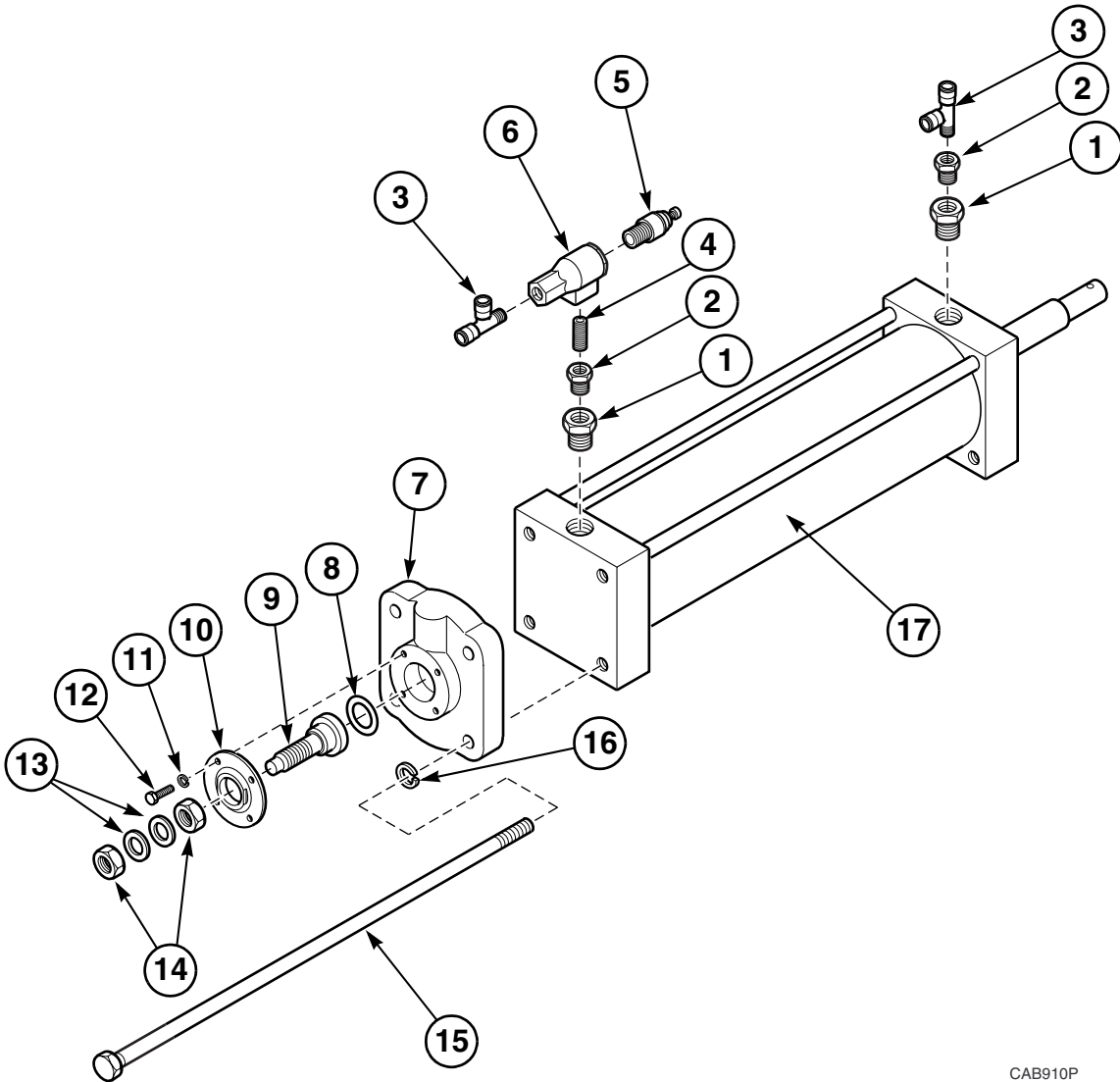


CAB1934P

Pedal Base Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1484930	Pedal Base Assembly	Includes items 1-15
	J1521285	Pedal Bracket	
	JA-50134	Screw	2 required
1	J1387778	Pedal Bracket Weldment	Top
2	JA-52466	Spring	
3	JA-26238	Actuating Pad	
4	20275	Nut	4 required
5	JC-80513	Washer	4 required
6	JA-51376	Spring	
7	JA-51475	Washer	3 required
8	J1390673	Stud	
9	JA-25995	Pedal Bracket	
10	J1001726	Screw	2 required
11	J1387794	Pedal Base	
12	JC-62832	Screw	
13	M400013	Washer	3 required
14	70142	Nut	
15	JC-62724	Screw	

Front Head Cylinder Assembly



CAB910P

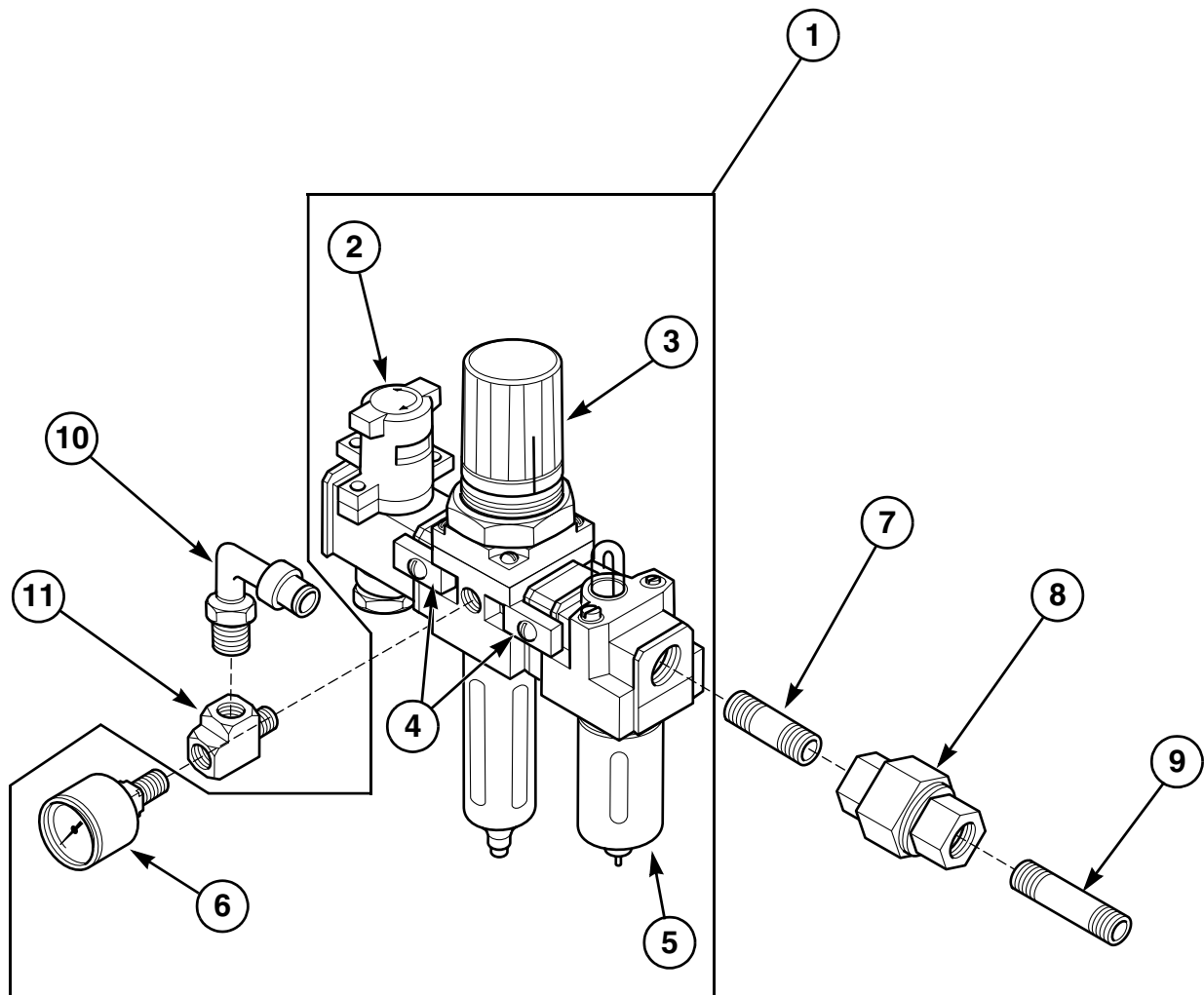
Front Head Cylinder Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1523984	Front Head Cylinder Assembly	Includes items 1-17
1	JC-19682	Reducing Bushing	2 required
2	JC-19609	Reducing Bushing	2 required
3	J1438357	Quick Tubing Tee	2 required
4	J1232313	Pipe Nipple	
5	J1352327	Air Muffler	
6	JA-56925	Quick Exhaust Air Valve	
7	J1536390	Pivot Cylinder	
8	JA-10341	Ball Seat	
9	JA-22639	Ball Pin	
10	JA-10672	Flange Ball Pin	
11	J1001007	Washer	4 required
12	02422	Screw	4 required
13	J1001338	Washer	2 required
14	JA-50434	Nut	2 required
15	N/A	Screw	4 required
16	91200	Washer	4 required
17	J1523562	Air Cylinder	
	J1537406	Air Cylinder Repair Kit	

N/A = Part no longer available

External Air Inlet Assembly

Models Through November 30, 2004

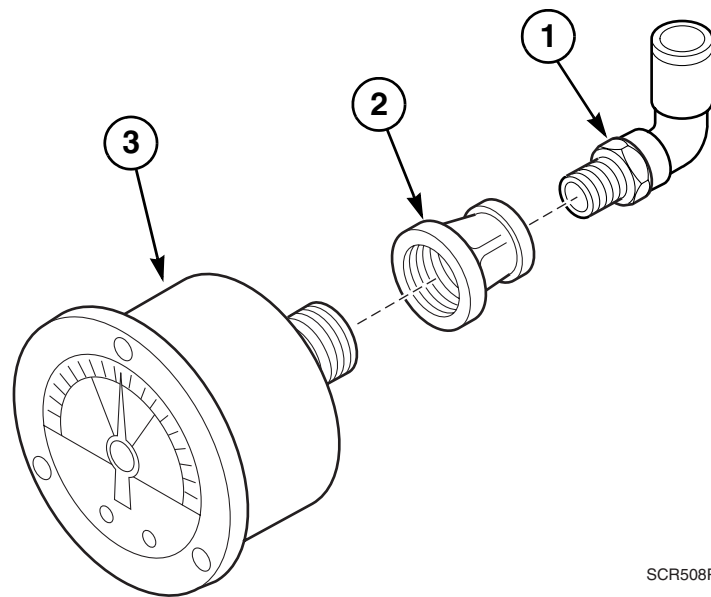


CAB124P

External Air Inlet Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1484245	External Air Inlet Assembly	Includes items 1-11
	J1637636	Filter/Regulator Maintenance Kit	Use with item 3
	J1637644	Filter/Regulator Auto Drain Kit	Use with item 3
	J1637628	Lubricator Maintenance Kit	Use with item 5
	J1647536	Air Lubricator Bowl	Use with item 5
1	J1557479P	Filter/Regulator/Lubricator Assembly	Includes items 2-6
2	J1557503	Lock-Out Valve	
3	J1557487	Filter/Regulator	0-125 psig
4	J1571413	Spacer	2 required
5	J1557495	Lubricator	
6	J1477959	Pressure Gauge	0-160 psig
7	J1026335	Pipe Nipple	
8	JC-7601201	Pipe Union	
9	JC-4613101	Pipe Nipple	
10	J1407741	Swivel Tubing Elbow	
11	JC-30541	Street Pipe Tee	

Gauge Assembly

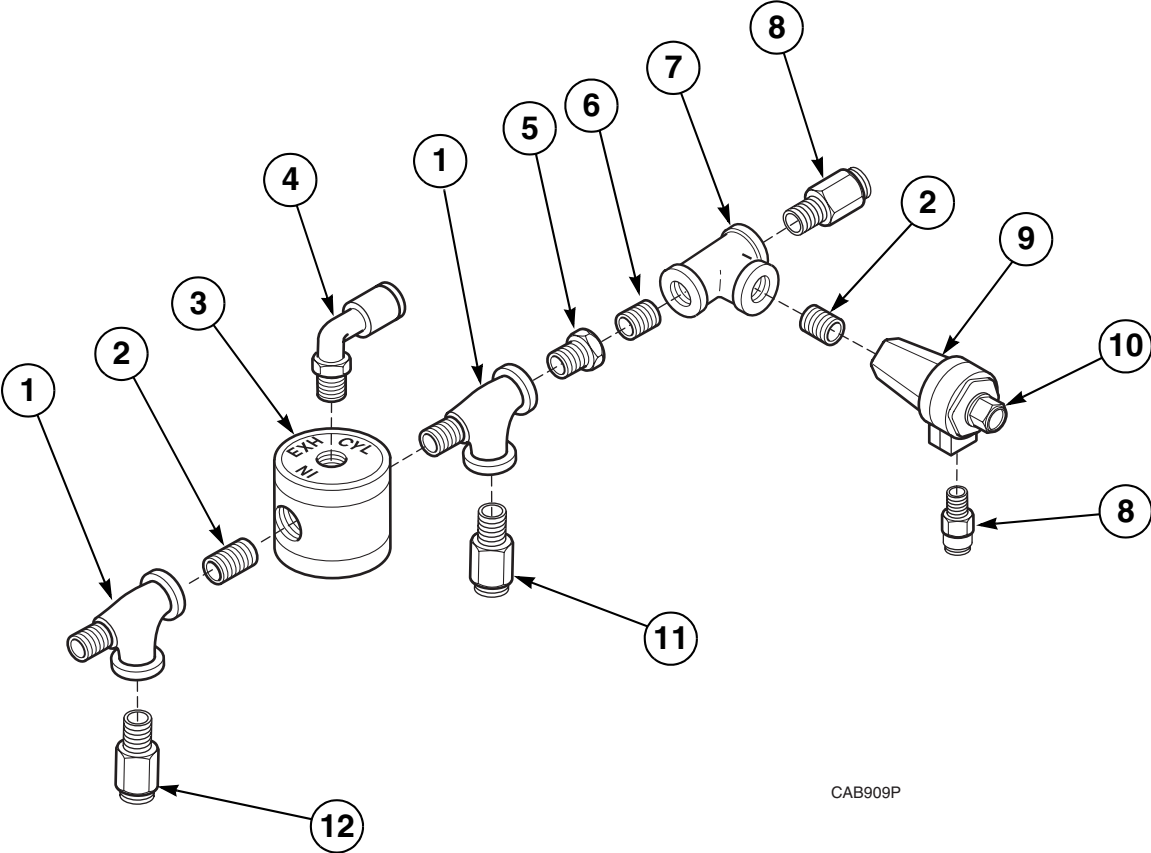


SCR508P

Gauge Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
1	JA-50770	Male Compression Elbow	
2	J1018571	Pipe Coupling	
3	J200128200	Pressure Gauge	0-100 psi

Internal Air Inlet Assembly



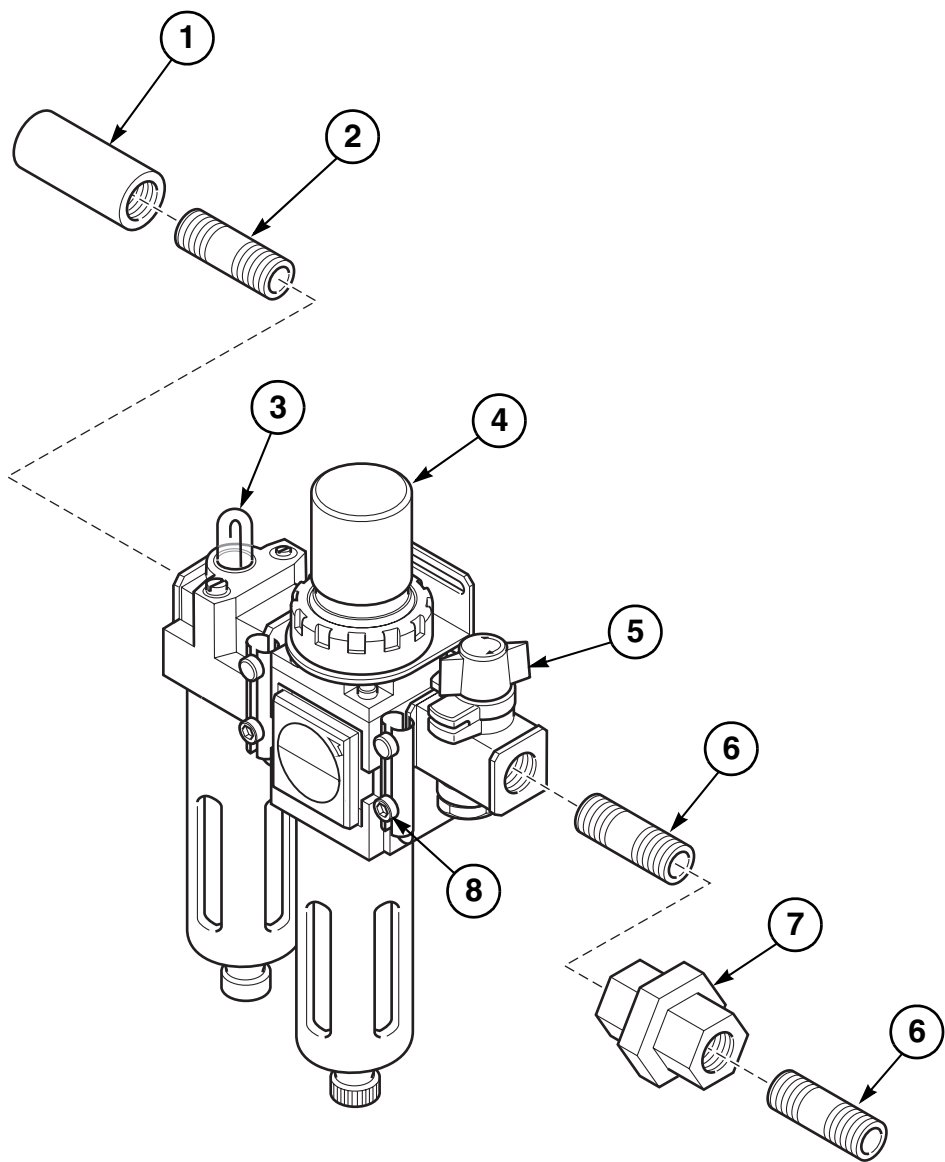
CAB909P

Internal Air Inlet Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1523794	Internal Air Inlet Assembly	Includes items 1-12
1	J1188242	Pipe Tee	2 required
2	J1232313	Pipe Nipple	2 required
3	JA-53550	3-Way Dump Valve	
4	J1407741	Swivel Tubing Elbow	
5	JC-19609	Reducing Bushing	
6	J115175201	Pipe Nipple	
7	JC-70613	Pipe Tee	
8	F422101	Air Coupling	2 required
9	JA-56925	Quick Exhaust Air Valve	
10	JA-53584	Air Muffler	
11	J1408020	Tubing Connector	
12	J1463835-00	Quick Tubing Connector	

Filter/Regulator/Lubricator Assembly – Models CTSBT and CTSBV

Models Starting December 1, 2004



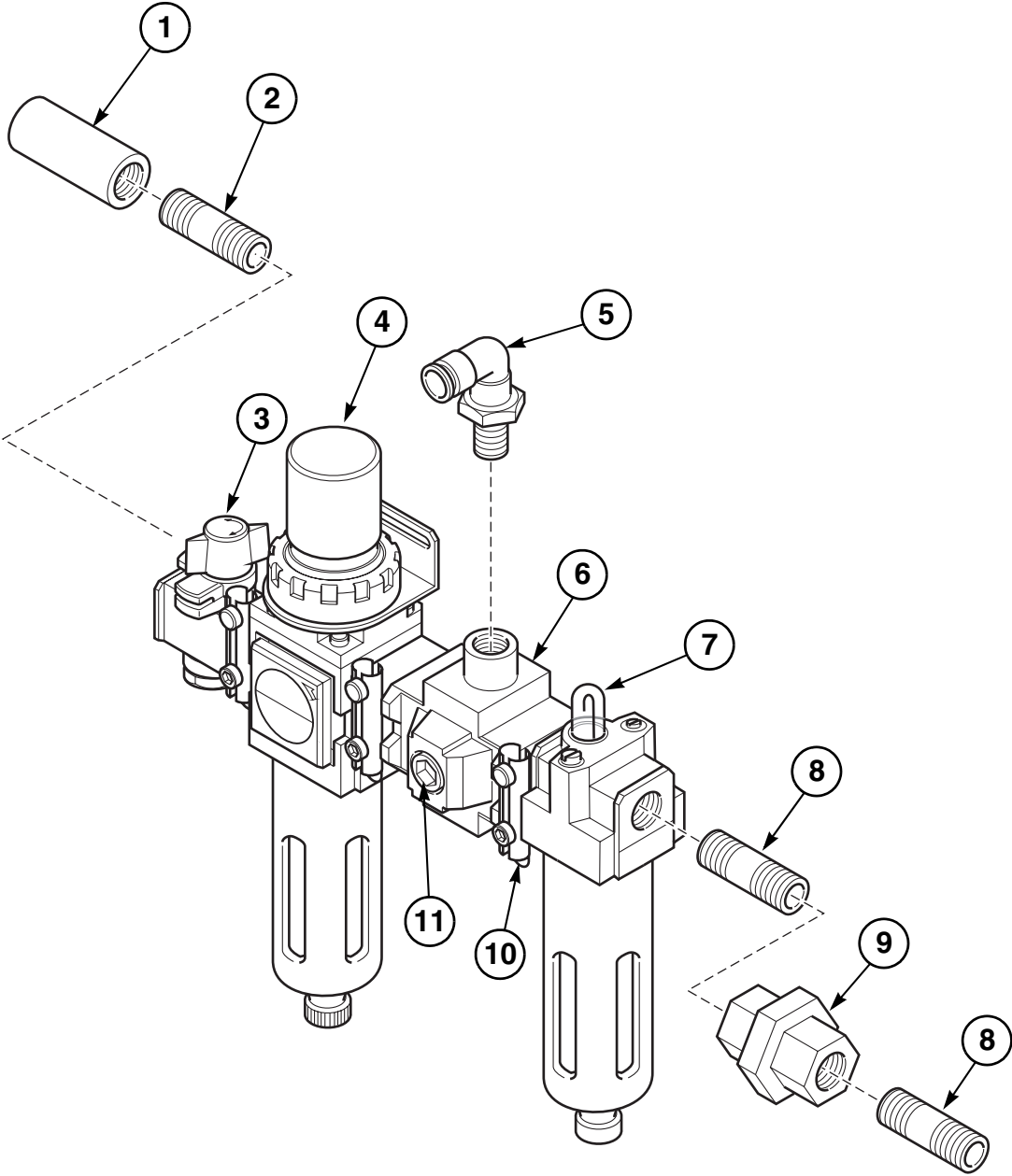
CAB2497P

Filter/Regulator/Lubricator Assembly – Models CTSBT and CTSBV

REF	PART NO.	DESCRIPTION	COMMENTS
	J200127500	Filter/Regulator/Lubricator Assembly	Includes items 3-5 and 8
1	J1007442	Pipe Coupling	
2	JC-4606101	Pipe Nipple	
3	J200179200	Lubricator Assembly	
4	J200179100	Filter/Regulator Assembly	
5	J200179000	Lockout Valve	
6	J115175201	Pipe Nipple	2 required
7	JC-7601201	Pipe Union	
8	J200179300	Connector Assembly	

Filter/Regulator/Lubricator Assembly – Models CTDBT and CTDBV

Models Starting December 1, 2004

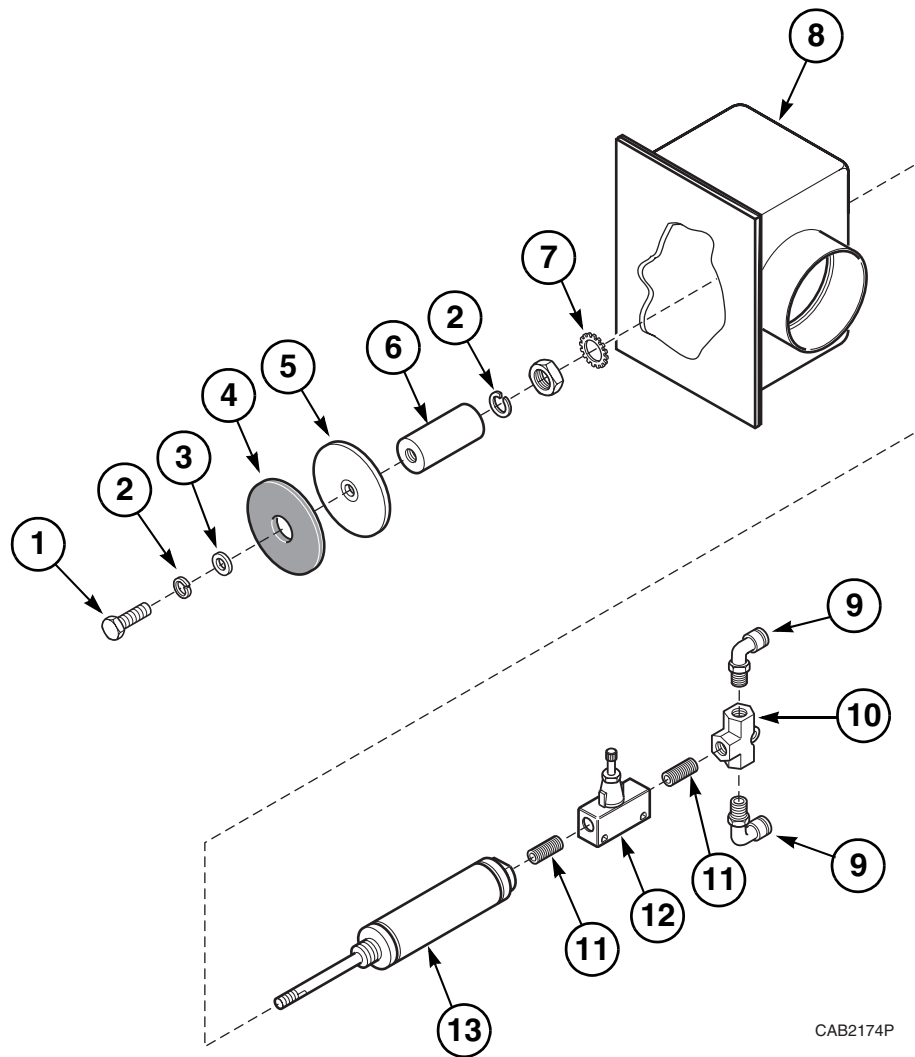


CAB2501P

Filter/Regulator/Lubricator Assembly – Models CTDBT and CTDBV

REF	PART NO.	DESCRIPTION	COMMENTS
	J200180000	Filter/Regulator/Lubricator Assembly	Includes items 3-7, 10 and 11
1	J1007442	Pipe Coupling	
2	JC-4606101	Pipe Nipple	
3	J200179000	Lockout Valve	
4	J200179800	Filter/Regulator Assembly	
5	J1419811	Swivel Tubing Connector	
6	J200179400	Cross Spacer	
7	J200179600	Lubricator Assembly	
8	J115175201	Pipe Nipple	2 required
9	JC-7601201	Pipe Union	
10	J200179300	Connector Assembly	3 required
11	JA-54394	Pipe Plug	3 required

Filter Damper Box Assembly

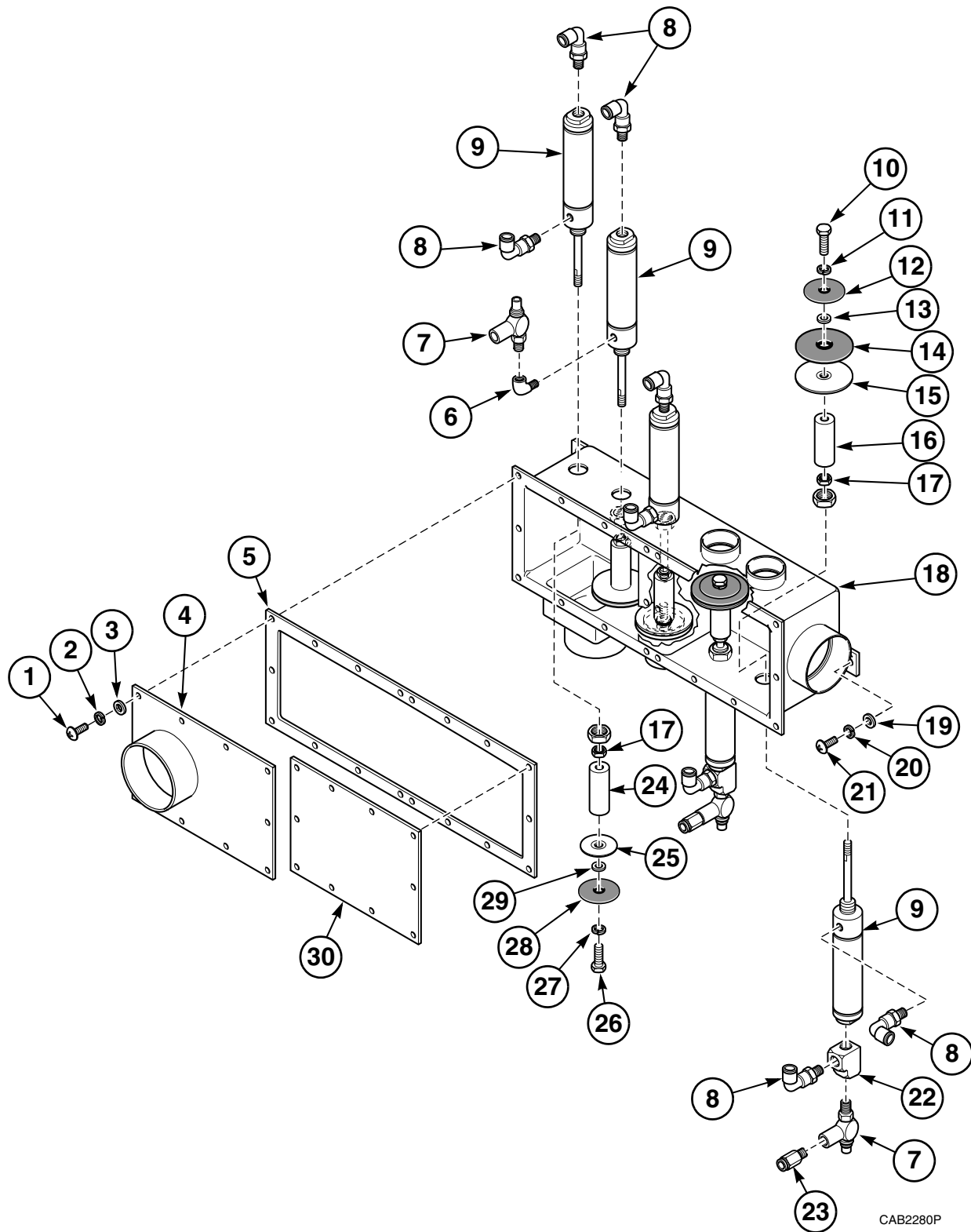


CAB2174P

Filter Damper Box Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1479484	Filter Box Damper Assembly	Includes items 1-13
1	JC-62851	Screw	
2	M400013	Washer	2 required
3	J1398452	Washer	Shim
4	J1398460	Washer	Rubber
5	J1398478	Washer	Large
6	J1398445	Cylinder Coupling	
7	JA-53116	Washer	
8	J1479492	Filter Box Damper Weldment	
9	J1407741	Swivel Tubing Elbow	2 required
10	JA-53602	Shuttle Valve	
11	J1232313	Pipe Nipple	2 required
12	J0380121-00	Flow Control	
13	J1390806	Air Cylinder	Single acting; Includes nut

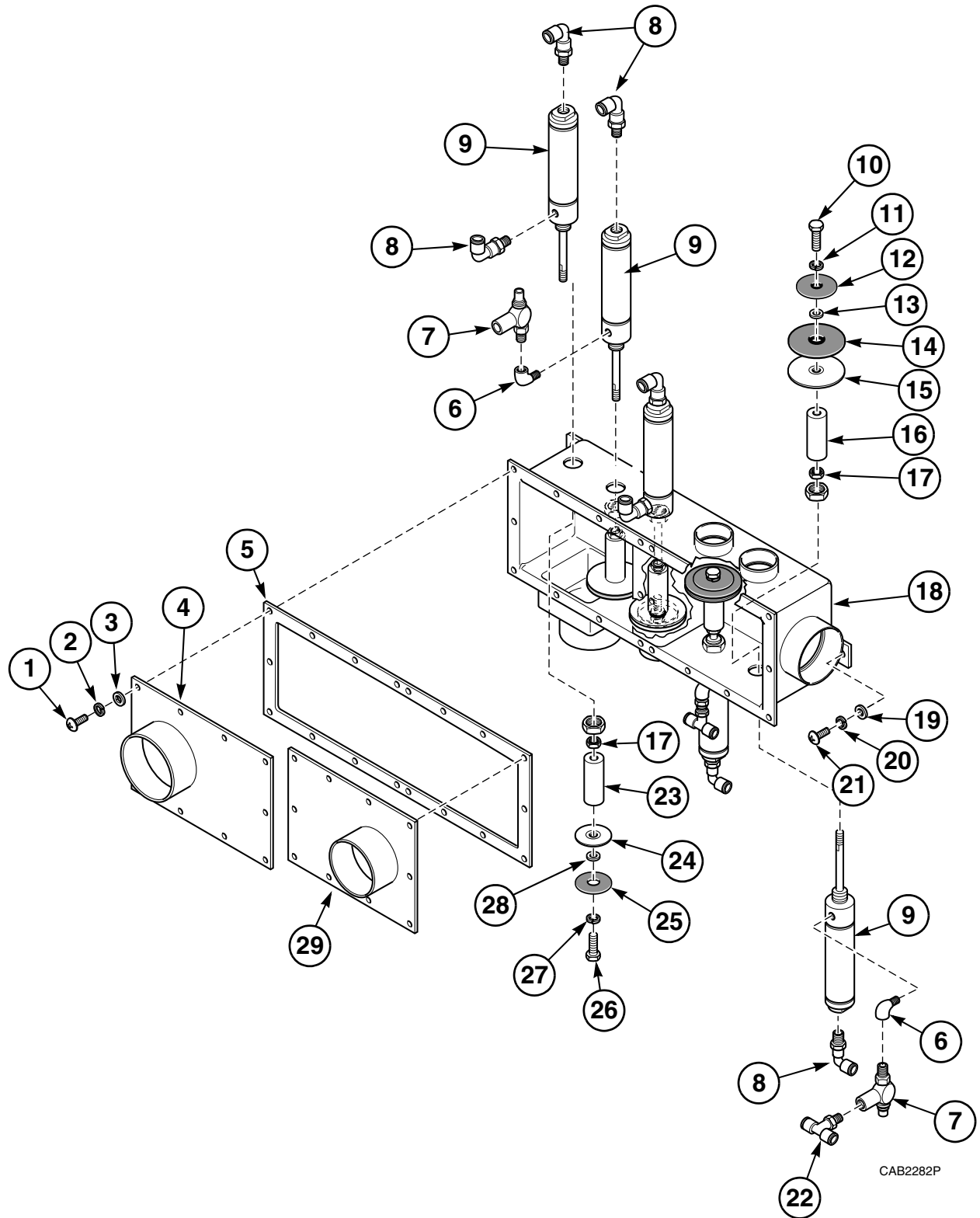
Damper Box Assembly – Model CTSBV



Damper Box Assembly – Model CTSBV

REF	PART NO.	DESCRIPTION	COMMENTS
	J1523711	Damper Box Assembly	Includes items 1-18 and 22-30
1	J1185107	Screw	20 required
2	J1000975	Washer	20 required
3	JC-80759	Washer	20 required
4	J1521020	Damper Box Cover Weldment	
5	J1521004	Damper Box Gasket	
6	JC-28317	Street Pipe Elbow	
7	J1455781	Swivel Flow Control Valve	3 required
8	J1407741	Swivel Tubing Elbow	9 required
9	J1437060	Air Cylinder	5 required
10	JC-62851	Screw	4 required
11	M400013	Washer	4 required
12	J1398437	Washer	Outside; Small; 4 required
13	J1398452	Washer	4 required
14	J1398460	Washer	Rubber; Small; 4 required
15	J1398478	Washer	Inside; Small; 4 required
16	J1398445	Cylinder Coupling	4 required
17	JC-48289	Nut	5 required
18	J1521061	Damper Box Shell Weldment	
19	JC-80513	Washer	2 required
20	J1185073	Washer	2 required
21	02422	Screw	2 required
22	JC-30541	Street Pipe Tee	2 required
23	F422101	Air Coupling	2 required
24	J1531821	Cylinder Coupling	
25	J1531813	Washer	Outside; Small
26	JA-52116	Screw	
27	JC-43221	Washer	
28	J1531805	Washer	Rubber; Small
29	J1393354	Washer	
30	J1523604	Damper Box Cover	Right

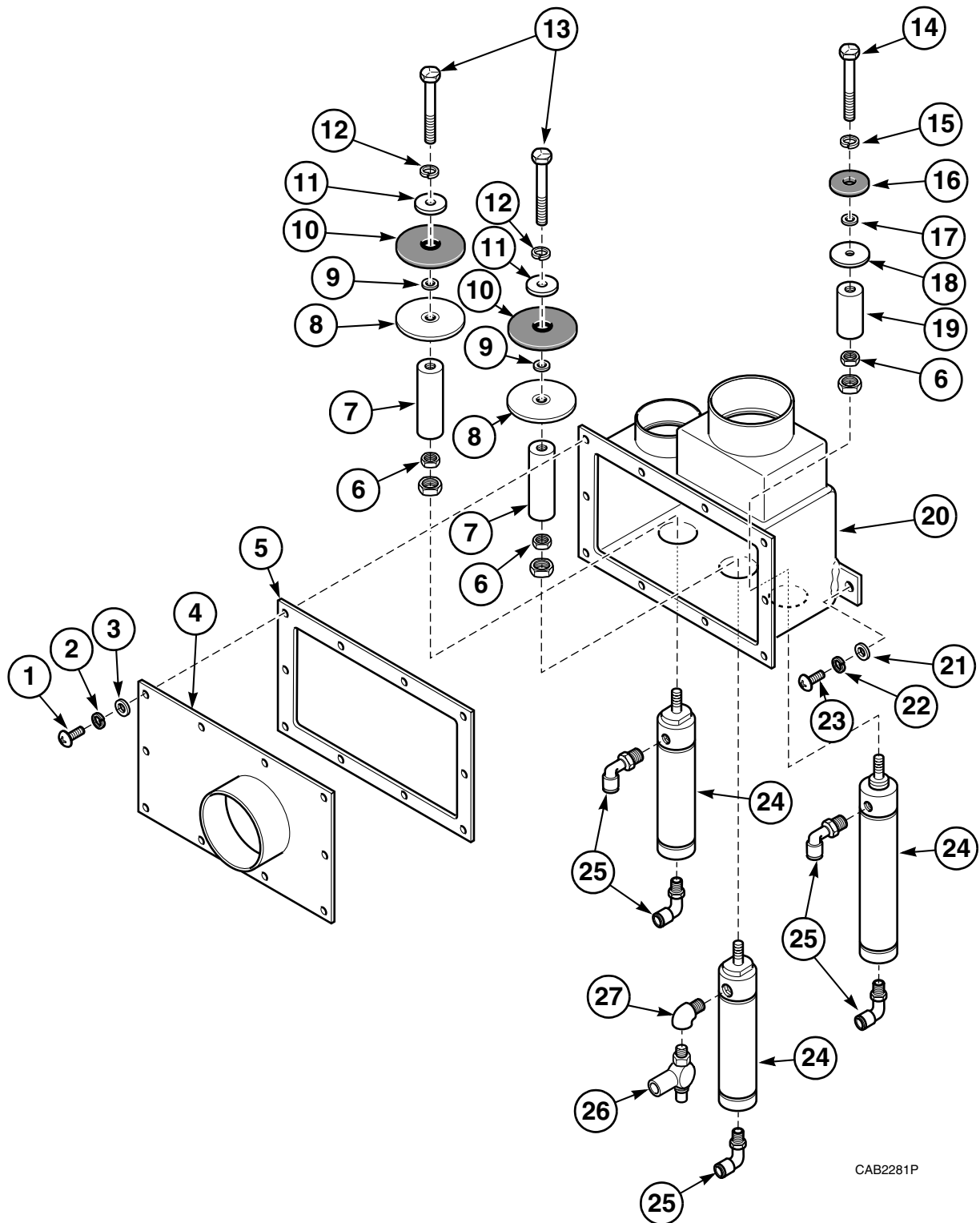
Damper Box Assembly – Model CTDBV



Damper Box Assembly – Model CTDBV

REF	PART NO.	DESCRIPTION	COMMENTS
	J1521079	Damper Box Assembly	Includes items 1-18 and 22-29
1	J1185107	Screw	20 required
2	J1000975	Washer	20 required
3	JC-80759	Washer	20 required
4	J1521020	Damper Box Cover Weldment	Right
5	J1521004	Damper Box Gasket	
6	JC-28317	Street Pipe Elbow	3 required
7	J1455781	Swivel Flow Control Valve	3 required
8	J1407741	Swivel Tubing Elbow	7 required
9	J1437060	Air Cylinder	5 required
10	JC-62851	Screw	4 required
11	M400013	Washer	4 required
12	J1398437	Washer	Outside; Small; 4 required
13	J1398452	Washer	4 required
14	J1398460	Washer	Rubber; Small; 4 required
15	J1398478	Washer	Inside; Small; 4 required
16	J1398445	Cylinder Coupling	4 required
17	JC-48289	Nut	5 required
18	J1521061	Damper Box Shell Weldment	
19	JC-80513	Washer	2 required
20	J1185073	Washer	2 required
21	02422	Screw	2 required
22	J1437029	Quick Tubing Tee	2 required
23	J1531821	Cylinder Coupling	
24	J1531805	Washer	Rubber; Small
25	J1531813	Washer	Outside; Small
26	JA-52116	Screw	
27	JC-43221	Washer	
28	J1393354	Washer	
29	J1521038	Damper Box Cover Weldment	Left

Damper Box Assembly – Models CTDBT and CTSBT

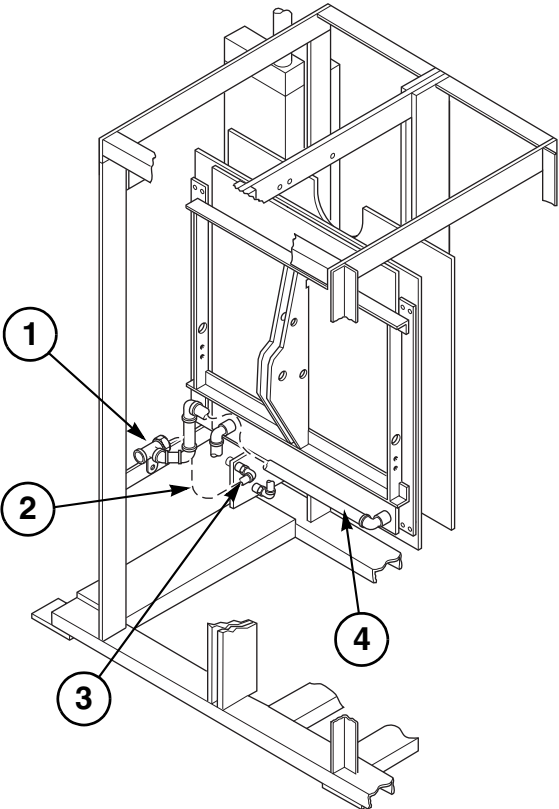


CAB2281P

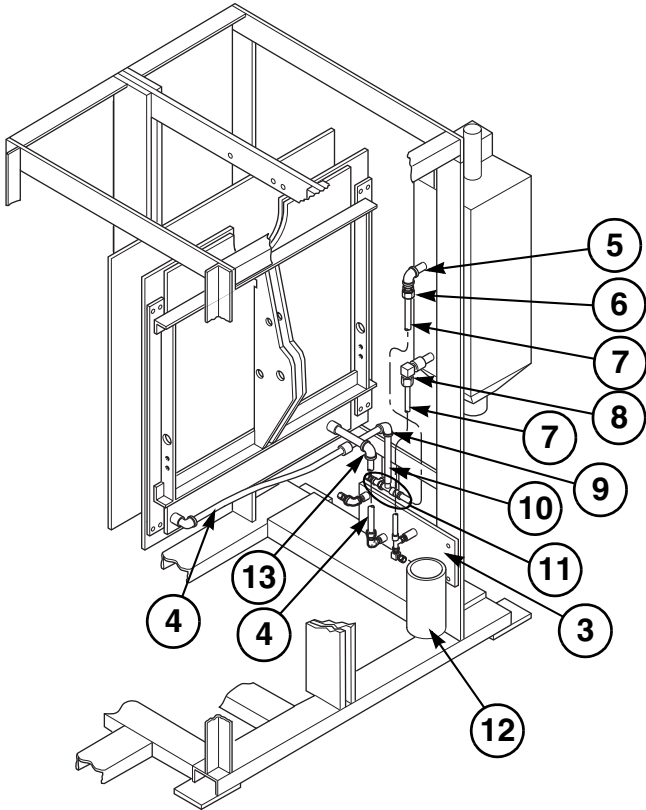
Damper Box Assembly – Models CTDBT and CTSBT

REF	PART NO.	DESCRIPTION	COMMENTS
	J1522440	Damper Box Assembly	Includes items 1-20 and 24-27
1	J1185107	Screw	10 required
2	J1000975	Washer	10 required
3	JC-80759	Washer	10 required
4	J1522408	Damper Box Cover Weldment	
5	J1531763	Damper Box Gasket	
6	JC-48289	Nut	3 required
7	J1398445	Cylinder Coupling	2 required
8	J1398478	Washer	Inside; Small; 2 required
9	J1398452	Washer	2 required
10	J1398460	Washer	Rubber; Small; 2 required
11	J1398437	Washer	Outside; Small; 2 required
12	M400013	Washer	2 required
13	JC-62851	Screw	2 required
14	JA-52116	Screw	
15	J1185073	Washer	
16	J1531813	Washer	Outside; Small
17	J1393354	Washer	
18	J1531805	Washer	Rubber; Small
19	J1531821	Cylinder Coupling	
20	J1522424	Damper Box Weldment	
21	JC-80513	Washer	2 required
22	J1185073	Washer	2 required
23	02422	Screw	2 required
24	J1437060	Air Cylinder	3 required
25	J1407741	Swivel Tubing Elbow	5 required
26	J1455781	Swivel Flow Control Valve	
27	JC-28317	Street Pipe Elbow	

Steam Application



Rear View



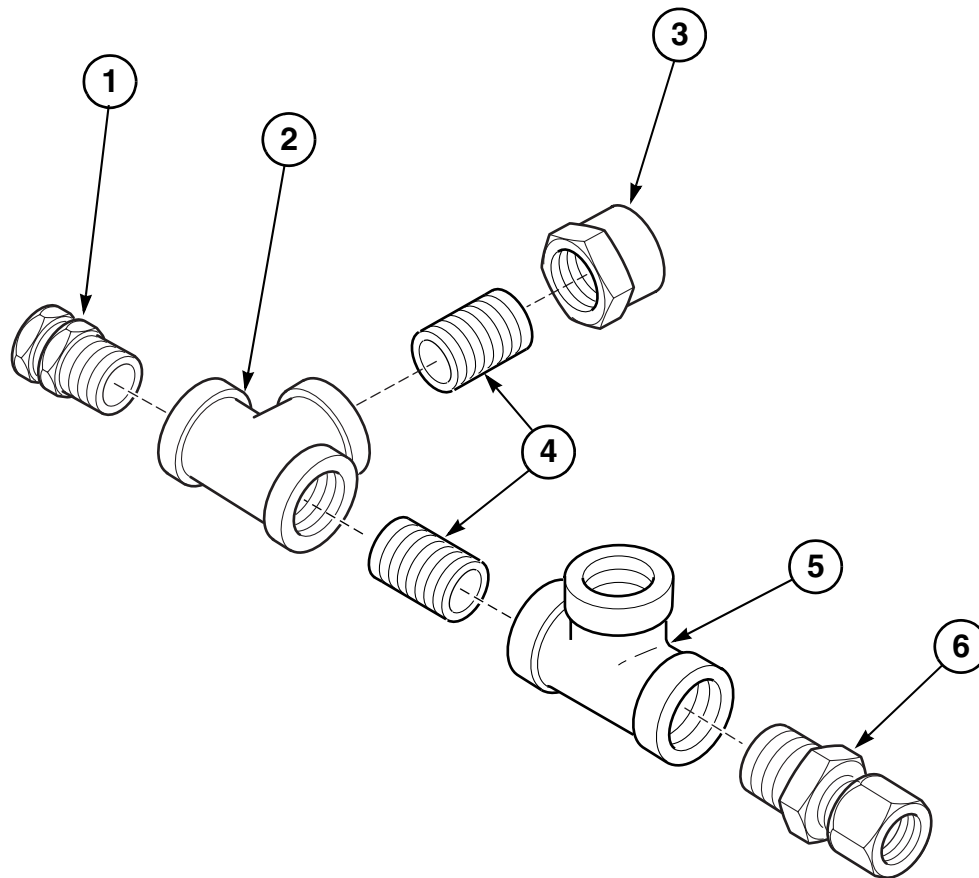
Front View

CAB411P

Steam Application

REF	PART NO.	DESCRIPTION	COMMENTS
	JA-12279	Coil Mounting Bar	Use with item 12
	JA-09231	Condenser Flow Control	Use with item 12
	JA-52038	Screw	Use with item 12
	J1000975	Washer	Use with item 12
	J1000736	Nut	Use with item 12
1	J1521707	Rear Steam Return Assembly	Refer to <i>Rear Steam Return Assembly</i> section for parts breakdown
2	J1106665	Tubing	
3	J1521715	Steam Return Assembly	Refer to <i>Steam Return Assembly</i> section for parts breakdown
4	J1319268	Steam Hose	
5	J1084011	Pipe Elbow	
6	JC-30857	Male Compression Connector	
7	J1117191	Tubing	
8	JC-30454	Union Compression Elbow	
9	J1231422	Pipe Elbow	
	JC-46349	Nipple	
	J1007442	Pipe Coupling	
10	JC-46144	Pipe Nipple	
11	J1521723	Primary Steam Inlet Assembly	Refer to <i>Primary Steam Inlet Assembly</i> section for parts breakdown
12	J1471234	Condenser Coil	
13	JA-50635	Pipe Elbow	
	JA-51540	Pipe Nipple	

Primary Steam Inlet Assembly

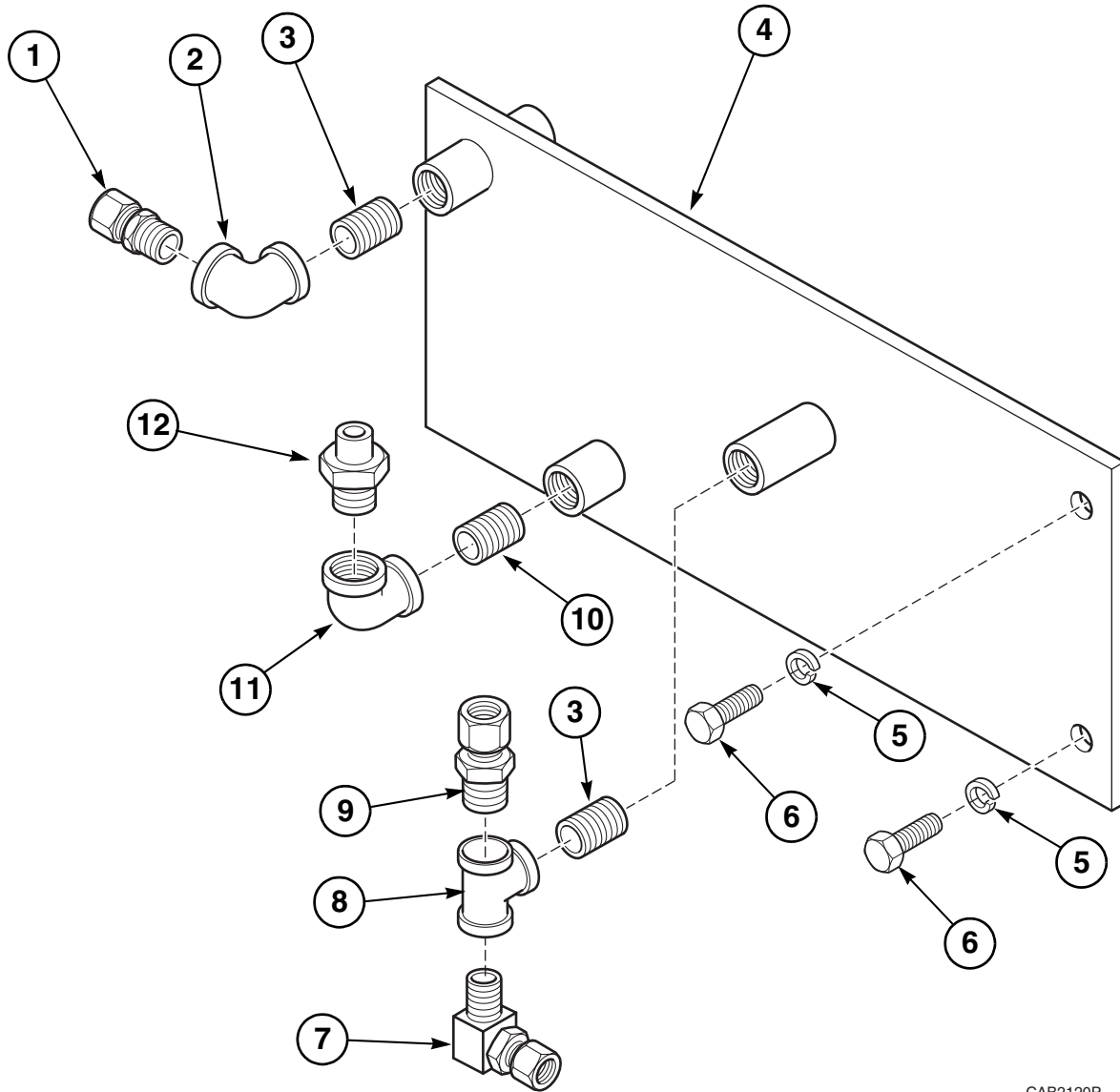


CAB908P

Primary Steam Inlet Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1521723	Primary Steam Inlet Assembly	Includes items 1-6
1	JC-19662	Reducing Bushing	
2	J1018423	Tee	
3	J1468347	Pipe Bushing	
4	431206	Pipe Nipple	2 required
5	JC-70620	Pipe Tee	
6	JC-30857	Male Compression Connector	

Steam Return Assembly

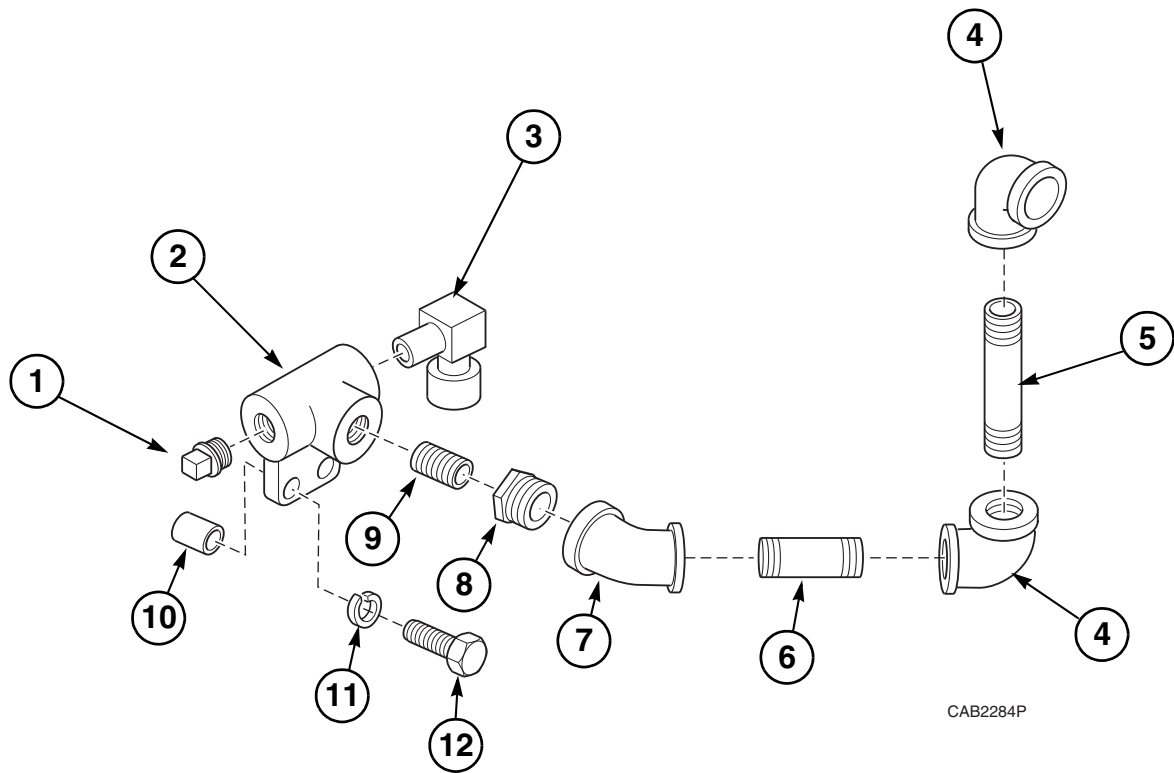


CAB2120P

Steam Return Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1521715	Steam Return Assembly	Includes items 1-4 and 7-12
1	JA-50765	Male Compression Connector	
2	J1084011	Pipe Elbow	
3	J1239334	Pipe Nipple	2 required
4	J200017300	Steam Return Weldment	
5	M400014	Washer	2 required
6	J1123389	Screw	2 required
7	JC-30211	Male Compression Elbow	
8	J1161272	Male Compression Connector	
9	J1161272	Male Compression Connector	
10	J1026665	Pipe Nipple	
11	JA-51007	Pipe Elbow	
12	J1319276	Flare Connector	

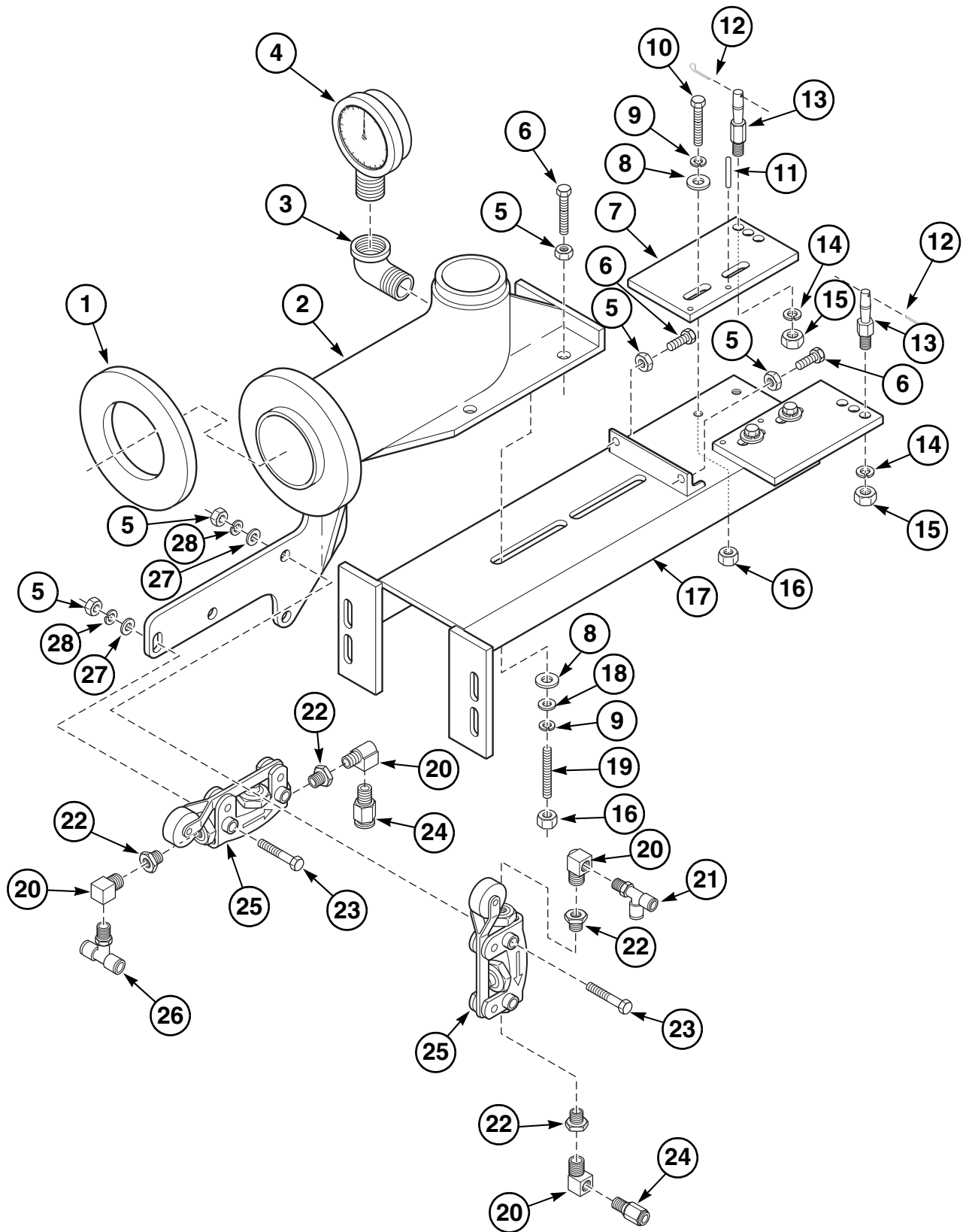
Rear Steam Return Assembly



Rear Steam Return Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1521707	Rear Steam Return Assembly	Includes items 1-9
1	J1161421	Pipe Plug	
2	JA-23840	Tee Bracket	
3	JC-30719	Male Compression Elbow	
4	J1231422	Pipe Elbow	2 required
5	JC-46337	Pipe Nipple	
6	J1026665	Pipe Nipple	
7	JA-50635	Pipe Elbow	
8	JC-19682	Reducing Bushing	
9	J1236553	Pipe Nipple	
10	JA-24365	Spacer	2 required
11	M400013	Washer	2 required
12	JA-52808	Screw	2 required

Discharge Tube Assembly



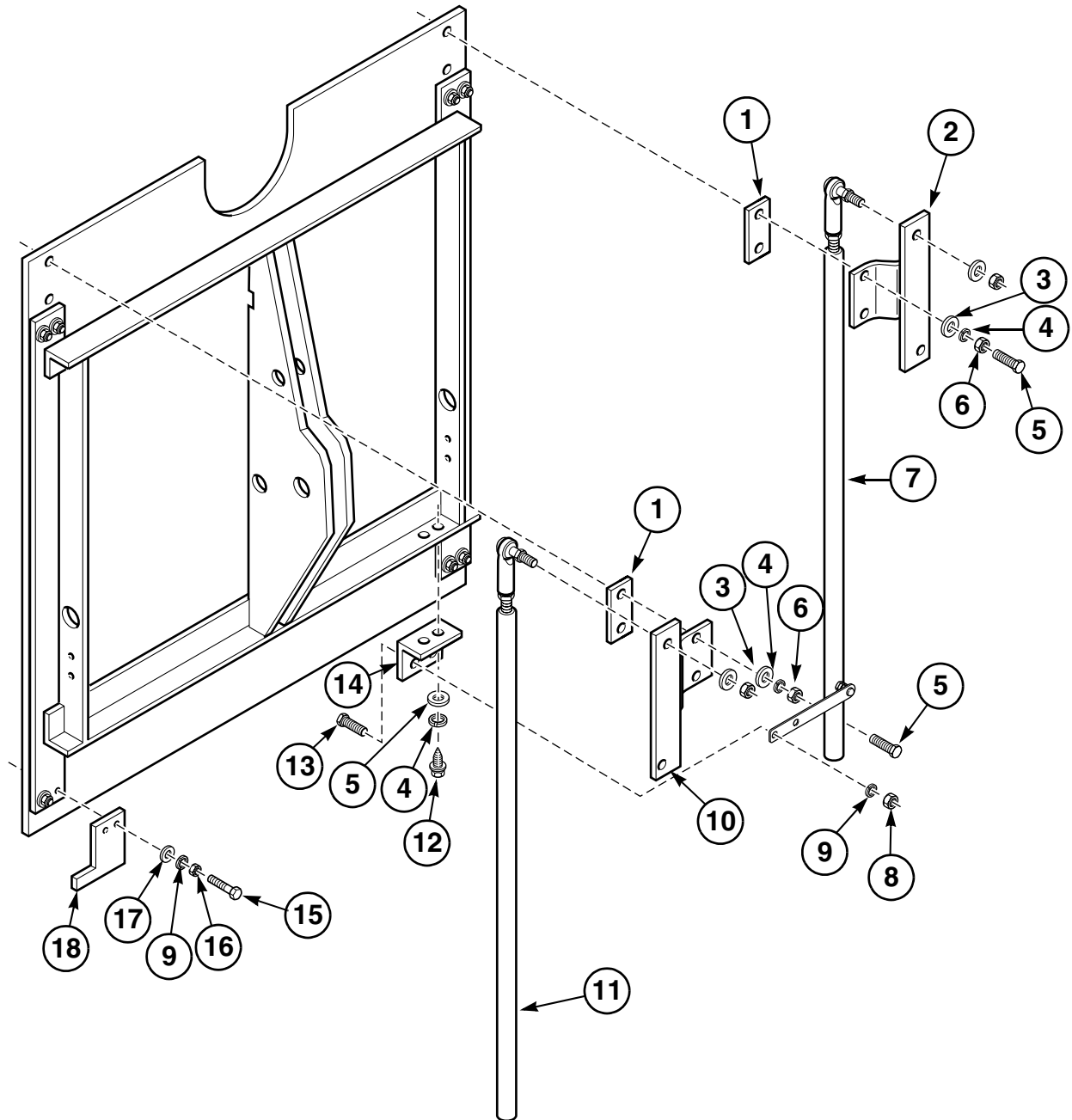
CAB2283P

Discharge Tube Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1523927	Discharge Tube Assembly	CTDB models; Includes items 1-28
	J1531003	Discharge Tube Assembly	CTSB models; Includes items 1-28
1	J1471531	Discharge Flange Gasket	
2	JA-23305	Discharge Tube	
3	J1231521	Street Pipe Elbow	
4	JA-51283	Diaphragm Gauge	0-5 psi
5	20275	Nut	10 required
6	JA-54156	Screw	6 required
7	JA-24692	Cylinder Support	2 required for CTDB models; 1 required to CTSB models
8	M400081	Washer	5 required for CTDB models; 3 required to CTSB models
9	M400014	Washer	5 required for CTDB models; 3 required to CTSB models
10	430648	Screw	4 required for CTDB models; 2 required to CTSB models
11	N/A	Roll Pin	4 required for CTDB models; 2 required to CTSB models
12	J1177765	Cotter Pin	2 required for CTDB models; 1 required to CTSB models
13	JA-22763	Pin	Includes item 12; 2 required for CTDB models; 1 required to CTSB models
14	91200	Washer	2 required for CTDB models; 1 required to CTSB models
15	J1000850	Nut	2 required for CTDB models; 1 required to CTSB models
16	20274	Nut	5 required for CTDB models; 3 required to CTSB models
17	JA-09212	Cylinder Mounting	
18	J1178391	Washer	
19	JA-51951	Screw	
20	JC-28317	Street Pipe Elbow	4 required for CTDB models; 2 required to CTSB models
21	J1438357	Quick Tubing Tee	
22	JC-19609	Reducing Bushing	4 required for CTDB models; 2 required to CTSB models
23	JA-50128	Screw	4 required for CTDB models; 2 required to CTSB models
24	F422101	Air Coupling	2 required for CTDB models; 1 required to CTSB models
25	JA-53892	3-Way Air Roller Valve	2 required for CTDB models; 1 required to CTSB models
26	J1437029	Quick Tubing Tee	CTDB models
27	JC-80583	Washer	4 required
28	J1185073	Washer	4 required

N/A = Part no longer available

Front Head Safety Bar Application

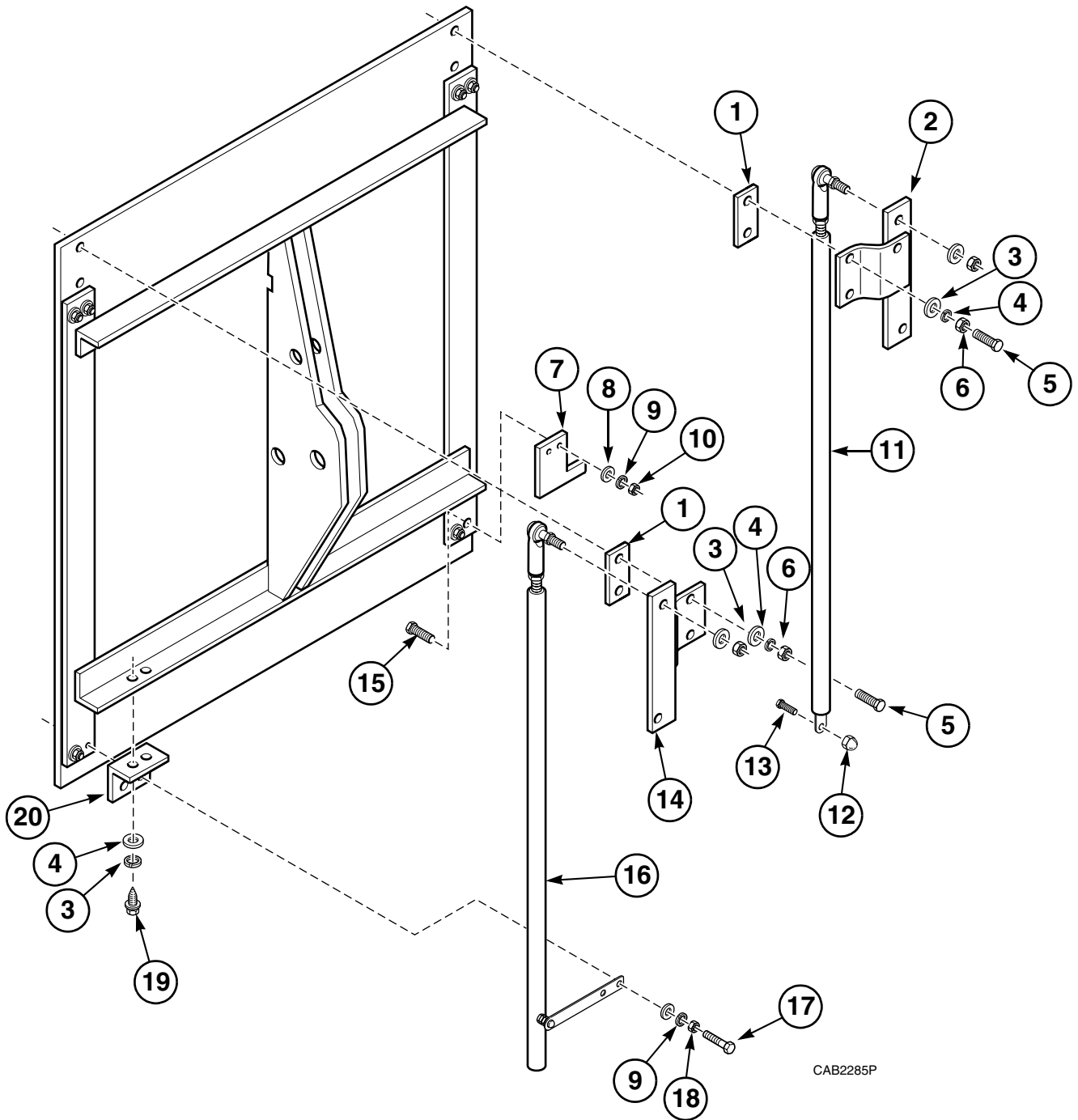


CAB2286P

Front Head Safety Bar Application

REF	PART NO.	DESCRIPTION	COMMENTS
1	J1546118	Gasket	2 required
2	J1521954	Front Safety Valve Assembly	Refer to <i>Front Safety Valve Assembly</i> section for parts breakdown
3	JC-80513	Washer	6 required
4	J1185073	Washer	6 required
5	J1615194	Screw	4 required
6	20275	Nut	4 required
7	J1522903	Head Safety Bar Assembly	Refer to <i>Head Safety Bar Assembly</i> section for parts breakdown
8	F431004	Nut	2 required
9	M400013	Washer	4 required
10	J1571041	Front Left Safety Bar Bracket Assembly	Refer to <i>Front Left Safety Bar Bracket Assembly</i> section for parts breakdown
11	J1570951	Safety Bar Assembly	Left
12	JA-53020	Screw	2 required
13	JA-50134	Screw	2 required
14	J1521962	Safety Head Mounting Bracket	
15	91202	Screw	2 required
16	70142	Nut	2 required
17	J1001270	Washer	2 required
18	J1570001	Safety Bar Bracket	Lower left

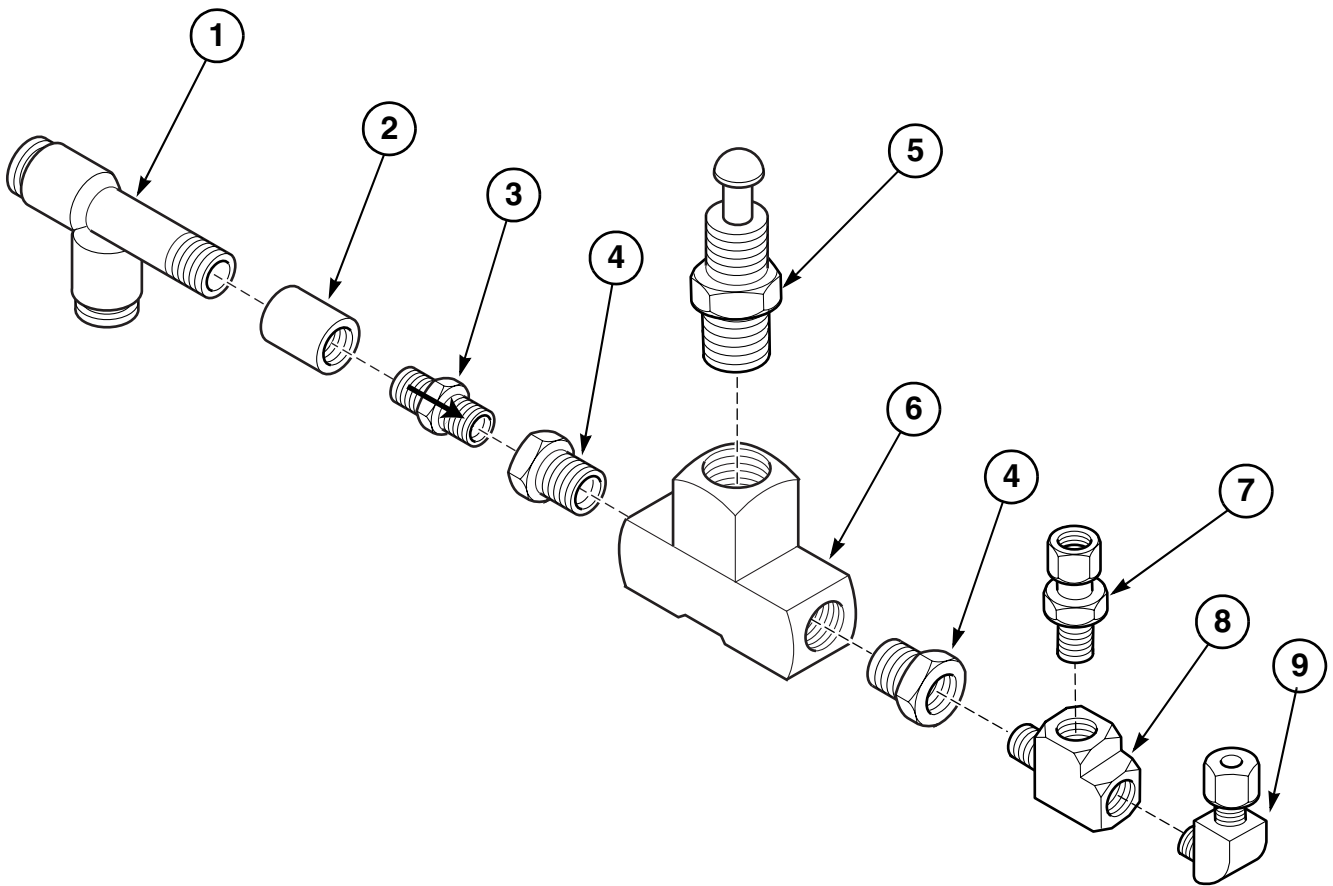
Rear Head Safety Bar Application



Rear Head Safety Bar Application

REF	PART NO.	DESCRIPTION	COMMENTS
1	J1546118	Gasket	
2	J1571058	Rear Left Safety Bar Bracket Assembly	Refer to <i>Rear Left Safety Bar Bracket Assembly</i> section for parts breakdown
3	JC-80513	Washer	
4	J1185073	Washer	
5	J1615194	Screw	
6	20275	Nut	
7	J1570001	Safety Bar Bracket	Lower left
8	J1001270	Washer	
9	M400013	Washer	
10	70142	Nut	
11	J1570951	Safety Bar Assembly	Left
12	JC-48494	Nut	
13	J1007434	Screw	
14	J1521947	Left Safety Valve Assembly	Refer to <i>Left Safety Valve Assembly</i> section for parts breakdown
15	91202	Screw	
16	J1522903	Head Safety Bar Assembly	Refer to <i>Head Safety Bar Assembly</i> section for parts breakdown
17	JA-50134	Screw	
18	F431004	Nut	
19	JA-53020	Screw	
20	J1521962	Safety Head Mounting Bracket	

Safety Valve Assembly



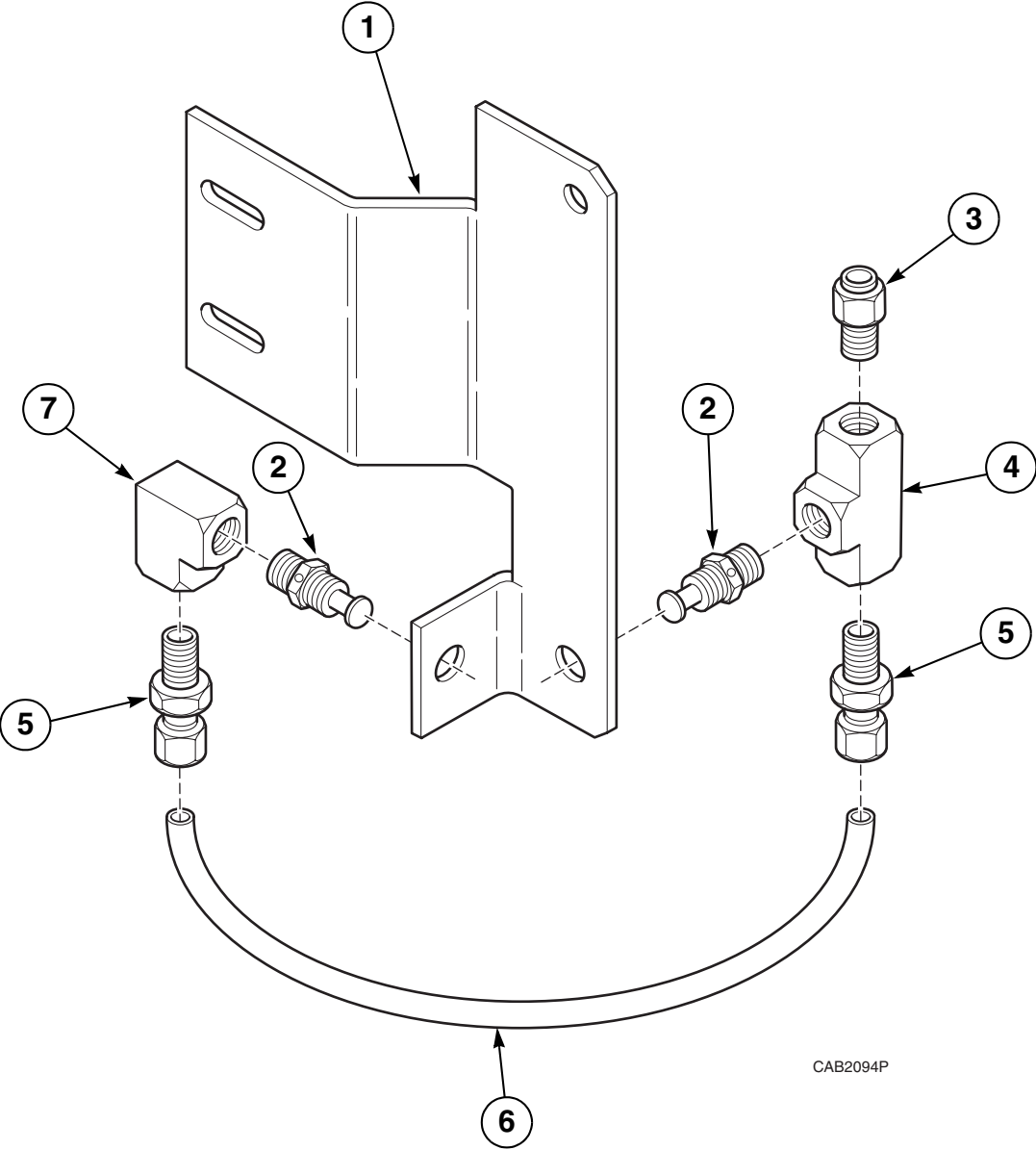
CAB437P

Safety Valve Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	N/A	Safety Valve Assembly	Includes items 1-9
1	J1438357	Quick Tubing Tee	Replaced J1407741 Swivel Tubing Elbow in this location starting April 1993
2	J1018571	Pipe Coupling	
3	JA-54042	Check Valve	1/8 NPT
4	JC-19609	Reducing Bushing	2 required
5	JA-53893	Bleeder Valve	2-way
6	J1188242	Pipe Tee	
7	J1151661	Compression Connector	
8	JA-50770	Male Compression Elbow	
9	N/A	Elbow	

N/A = Part no longer available

Front Left Safety Bar Bracket Assembly

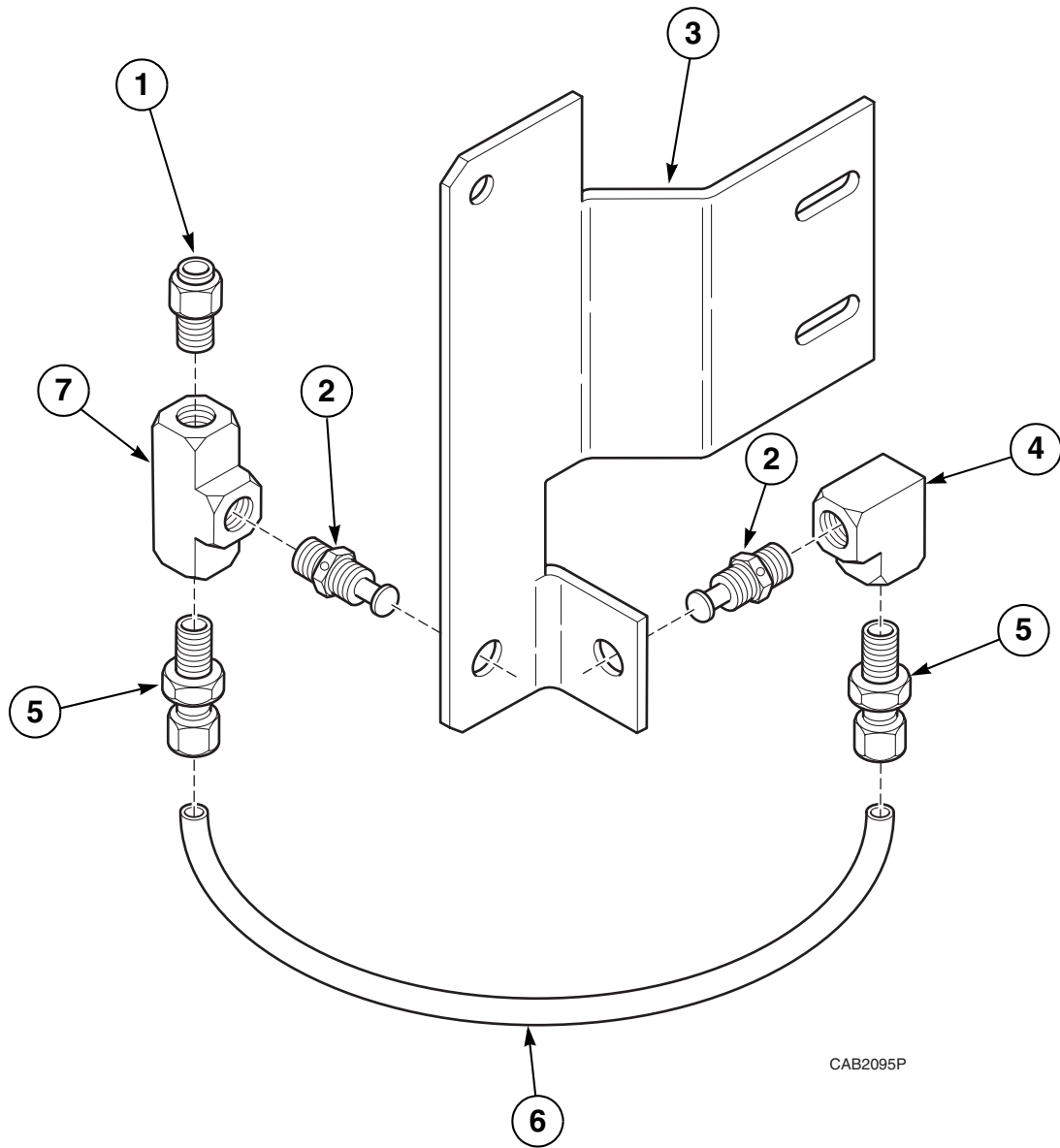


CAB2094P

Front Left Safety Bar Bracket Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1571041	Front Left Safety Bar Bracket Assembly	Includes items 1-7
1	J200139100	Front Left Safety Bar Bracket	
2	JA-53893	Bleeder Valve	2 required
3	J1463835-00	Quick Tubing Connector	
4	J1188242	Pipe Tee	
5	J1075175	Compression Connector	2 required
6	J1106699	Tubing	Copper; 6 inches required
7	J1188192	Pipe Elbow	

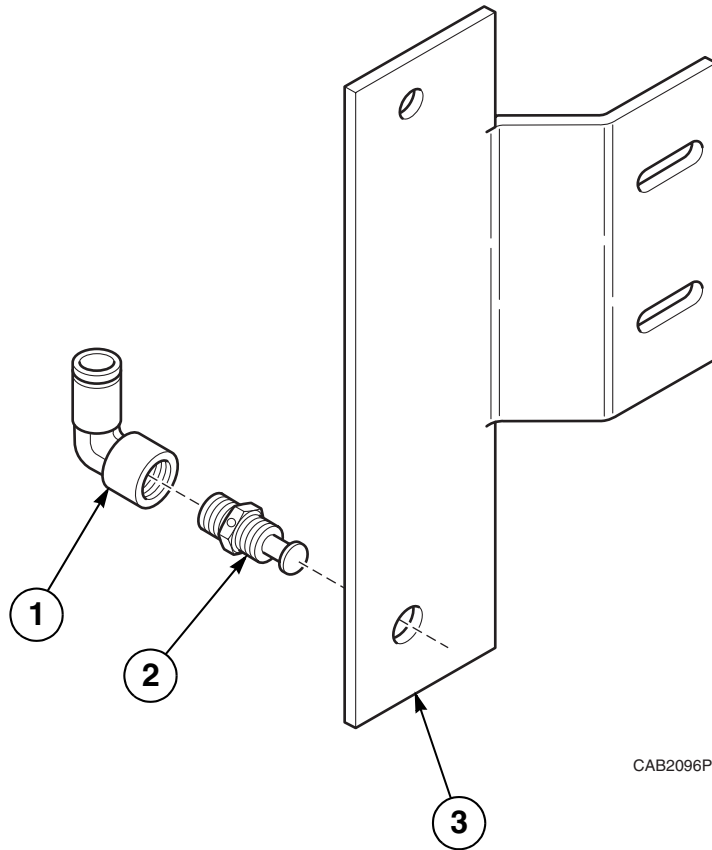
Rear Left Safety Bar Bracket Assembly



Rear Left Safety Bar Bracket Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1571058	Rear Left Safety Bar Bracket Assembly	Includes items 1-7
1	J1463835-00	Quick Tubing Connector	
2	JA-53893	Bleeder Valve	2 required
3	J200139000	Rear Left Safety Bar Bracket	
4	J1188192	Pipe Elbow	
5	J1075175	Compression Connector	2 required
6	J1106699	Tubing	Copper; 6 inches required
7	J1188242	Pipe Tee	

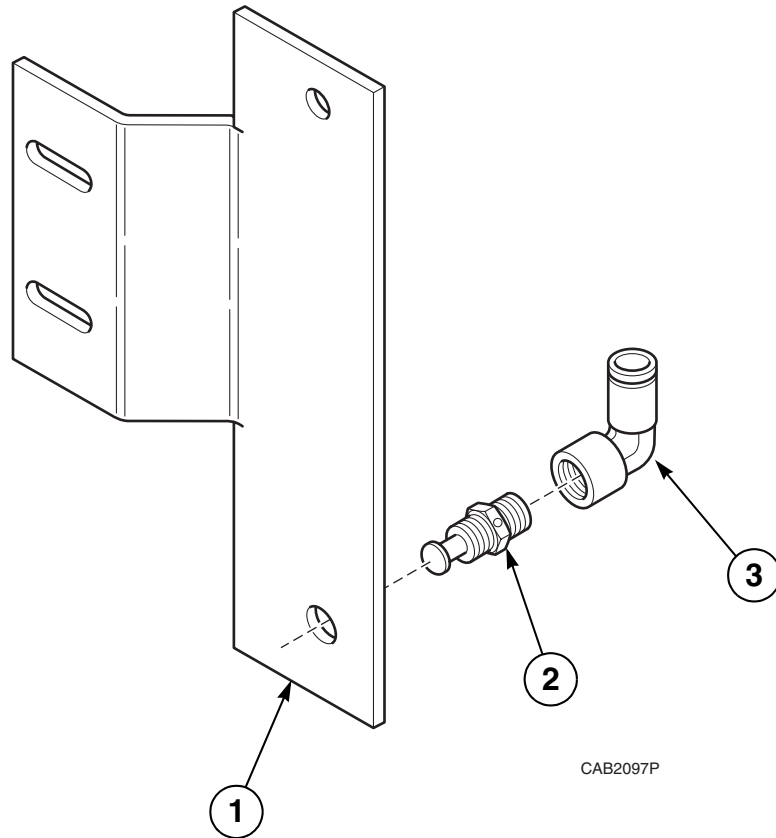
Front Safety Valve Assembly



Front Safety Valve Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1521954	Front Safety Valve Assembly	Includes items 1-3
1	J1571025	Elbow	
2	JA-53893	Bleeder Valve	
3	J1520279	Right Safety Bar Bracket	

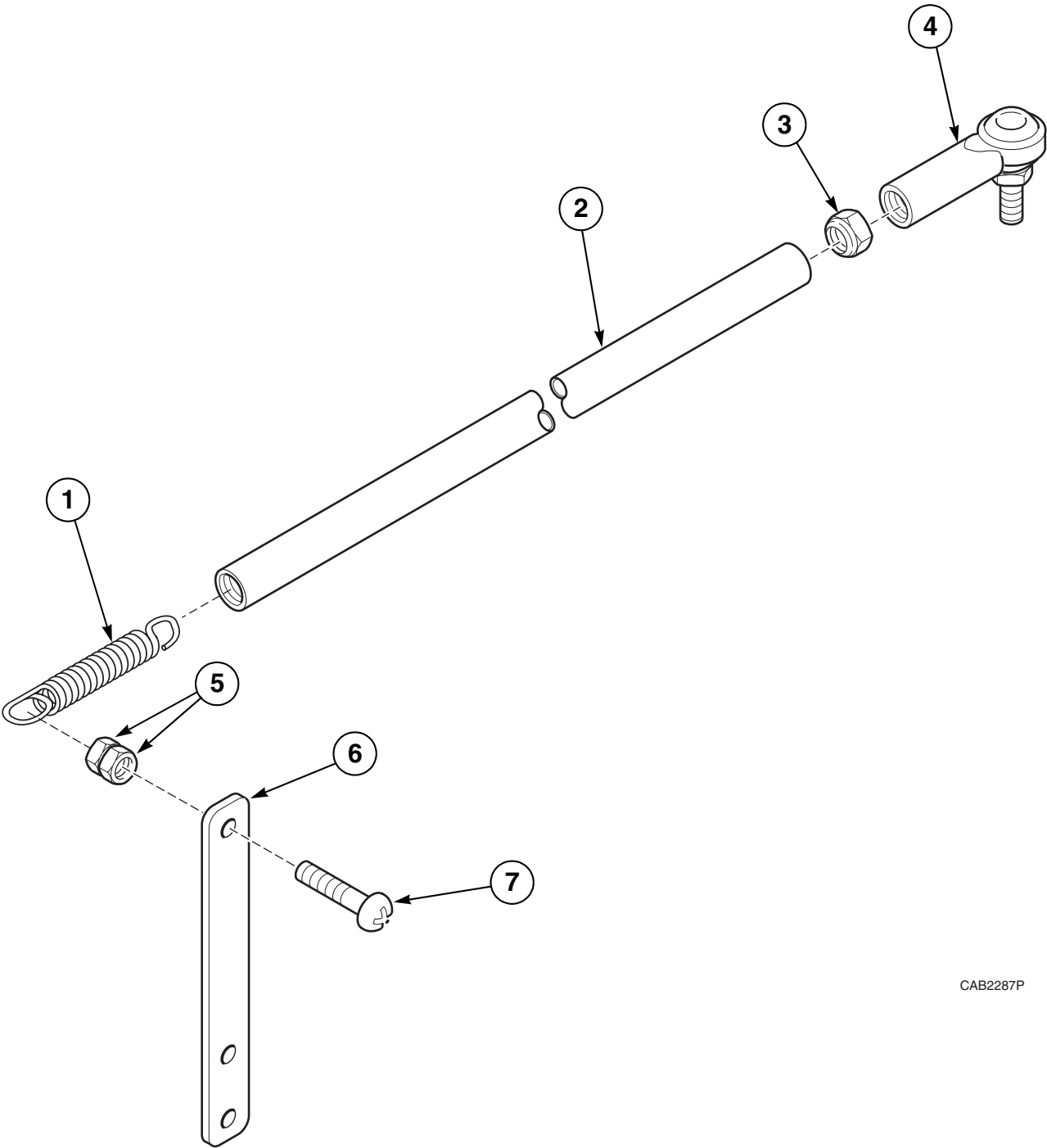
Left Safety Valve Assembly



Left Safety Valve Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1521947	Left Safety Valve Assembly	Includes items 1-3
1	J1520261	Left Safety Bar Bracket	
2	JA-53893	Bleeder Valve	
3	J1571025	Elbow	

Head Safety Bar Assembly

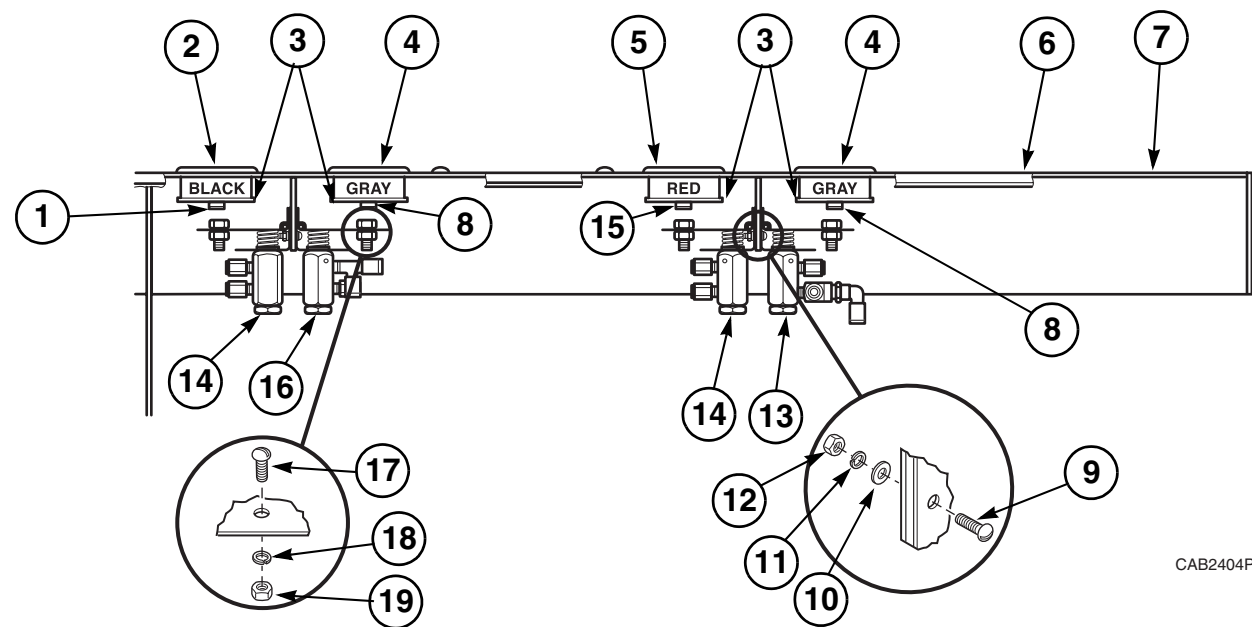


CAB2287P

Head Safety Bar Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1522903	Head Safety Bar Assembly	Includes items 1-7
1	J1570993	Spring	
2	J1522887	Head Safety Bar Weldment	
3	JC-48220	Nut	
4	JA-53860	Female Rod End Bearing	
5	20275	Nut	2 required
6	J1521970	Safety Bar Mounting Tie	
7	JA-52524	Screw	

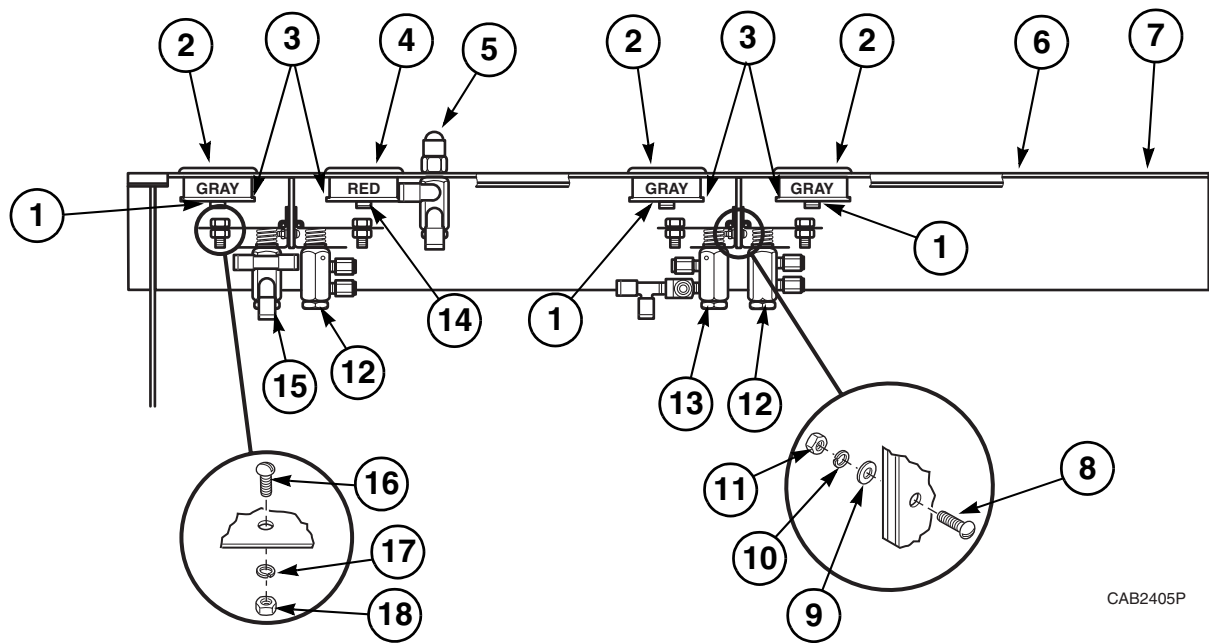
Operation Control Panel Assembly – Models CTSBT and CTSBV



Operation Control Panel Assembly – Models CTSBT and CTSBV

REF	PART NO.	DESCRIPTION	COMMENTS
	J1525203	Operation Control Assembly	Includes items 1-19
	J1111095	Screw	Used with item 6; 2 required
1	J1544048	Pushbutton Assembly	Black
2	J1591346	Grommet	Black; Replaces old gray assembly
3	JA-17705	Lock Ring	4 required
4	J1591304	Grommet	Gray; Replaces old red assembly; 2 required
5	J1591320	Grommet	Red; Replaces old gray assembly
6	JA-23315	Pushbutton Cover	
7	J1520931	Control Console Weldment	
8	J1538958	Pushbutton Assembly	Gray; 2 required
9	JC-61269	Screw	4 required
10	JC-80759	Washer	8 required
11	J1000975	Washer	4 required
12	J1000736	Nut	4 required
13	J1525195	Valve and Bracket Assembly	Refer to <i>Valve and Bracket Assembly</i> section for parts breakdown
14	J1438373	Valve and Bracket Assembly	Refer to <i>Valve and Bracket Assembly</i> section for parts breakdown
15	JA-04665	Pushbutton	Red
16	J1541838	Valve and Bracket Assembly	Refer to <i>Valve and Bracket Assembly</i> section for parts breakdown
17	JA-50134	Screw	4 required
18	M400013	Washer	4 required
19	70142	Nut	4 required

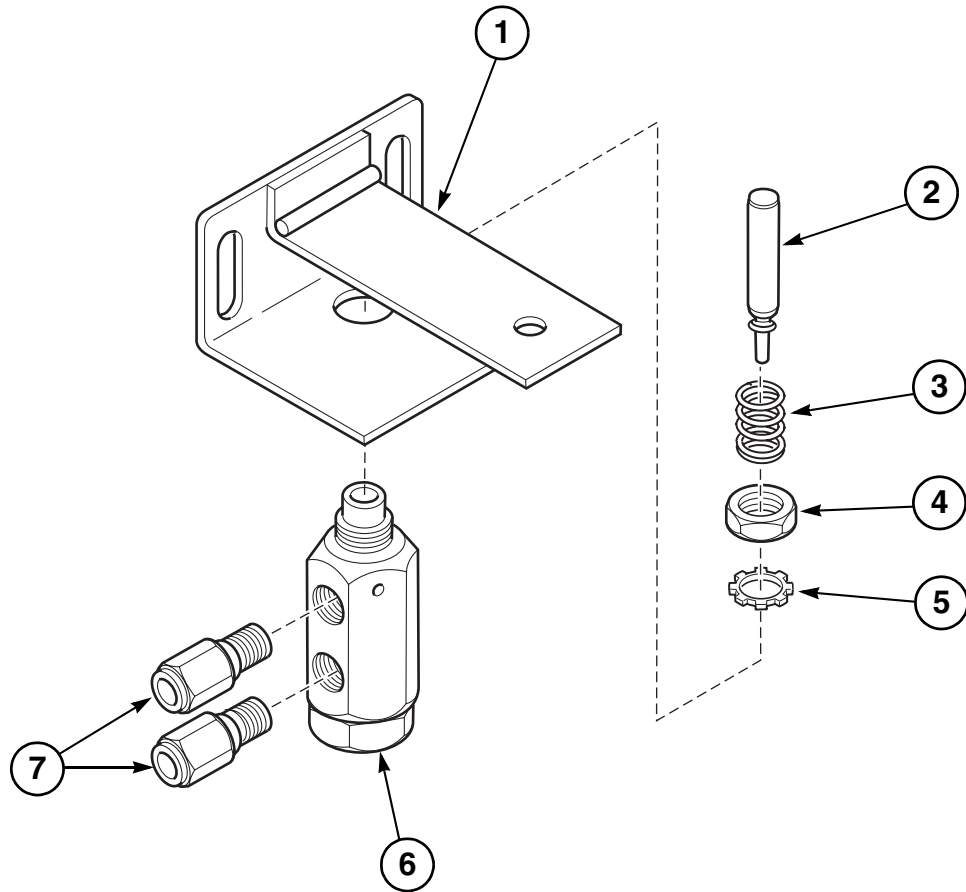
Operation Control Panel Assembly – Models CTDBT and CTDBV



Operation Control Panel Assembly – Models CTDBT and CTDBV

REF	PART NO.	DESCRIPTION	COMMENTS
	J1521095	Operation Control Assembly	Includes items 1-18
	J1111095	Screw	Used with item 6; 2 required
1	JA-04665	Pushbutton	Red
2	J1591320	Grommet	Red
3	JA-17705	Lock Ring	4 required
4	J1591304	Grommet	Gray; 3 required
5	J1525245	Tail Clamp Valve Assembly	Refer to <i>Tail Clamp Valve Assembly</i> section for parts breakdown
6	J1520915	Pushbutton Cover	
7	J1520931	Control Console Weldment	
8	JC-61269	Screw	4 required
9	JC-80759	Washer	8 required
10	J1000975	Washer	4 required
11	J1000736	Nut	4 required
12	J1438373	Valve and Bracket Assembly	Refer to <i>Valve and Bracket Assembly</i> section for parts breakdown
13	J1520907	Valve and Bracket Assembly	Refer to <i>Valve and Bracket Assembly</i> section for parts breakdown
14	J1538958	Pushbutton Assembly	Gray; 3 required
15	J1541846	Valve and Bracket Assembly	Refer to <i>Valve and Bracket Assembly</i> section for parts breakdown
	J1438381	Valve and Bracket Assembly	Refer to <i>Valve and Bracket Assembly</i> section for parts breakdown
16	JA-50134	Screw	4 required
17	M400013	Washer	4 required
18	70142	Nut	4 required

Valve and Bracket Assembly

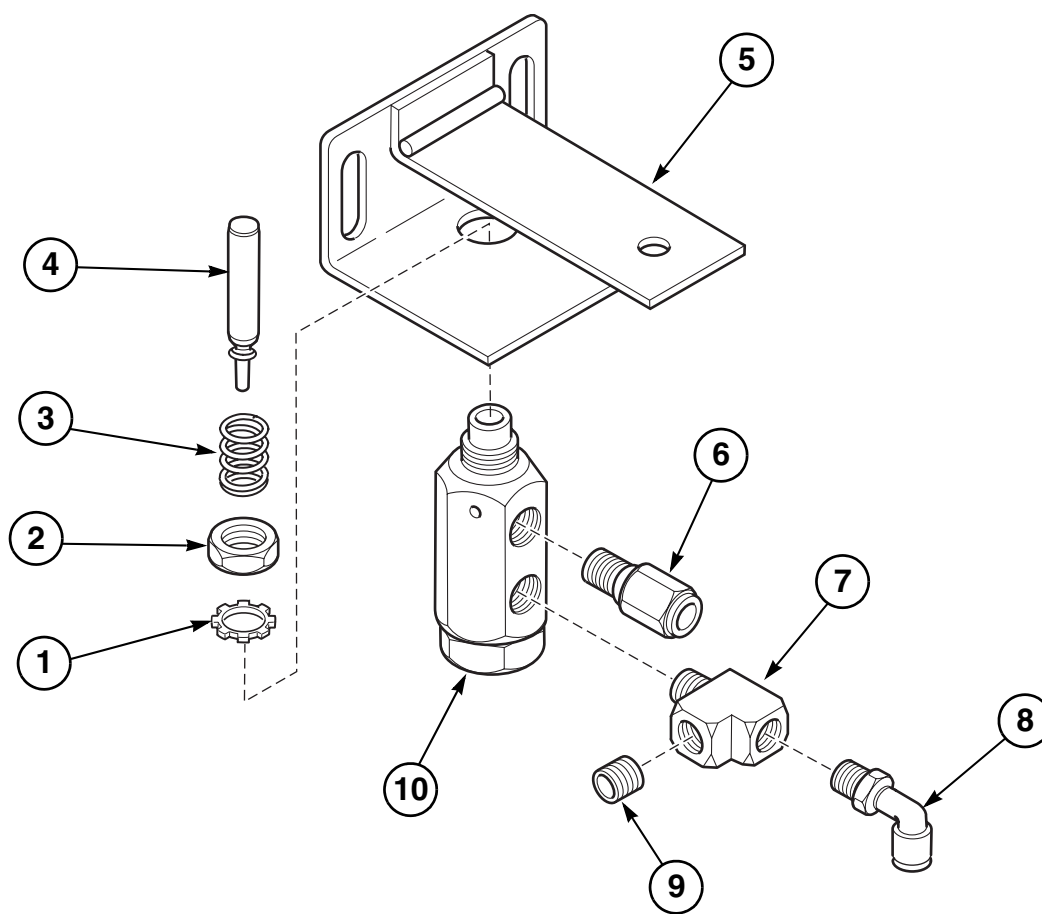


CAB2376P

Valve and Bracket Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1438373	Valve and Bracket Assembly	Includes items 1-7
1	JA-00546	Bracket Assembly	
2	J1611417	Valve Stem Assembly	
3	JA-50447	Spring	
4	JA-12900	Nut	
5	JA-52196	Washer	
6	JA-06430	Valve Body Assembly	Refer to <i>Valve Body Assembly</i> section for parts breakdown
7	F422101	Air Coupling	2 required

Valve and Bracket Assembly – CTSB Models (Drawing 1 of 2)

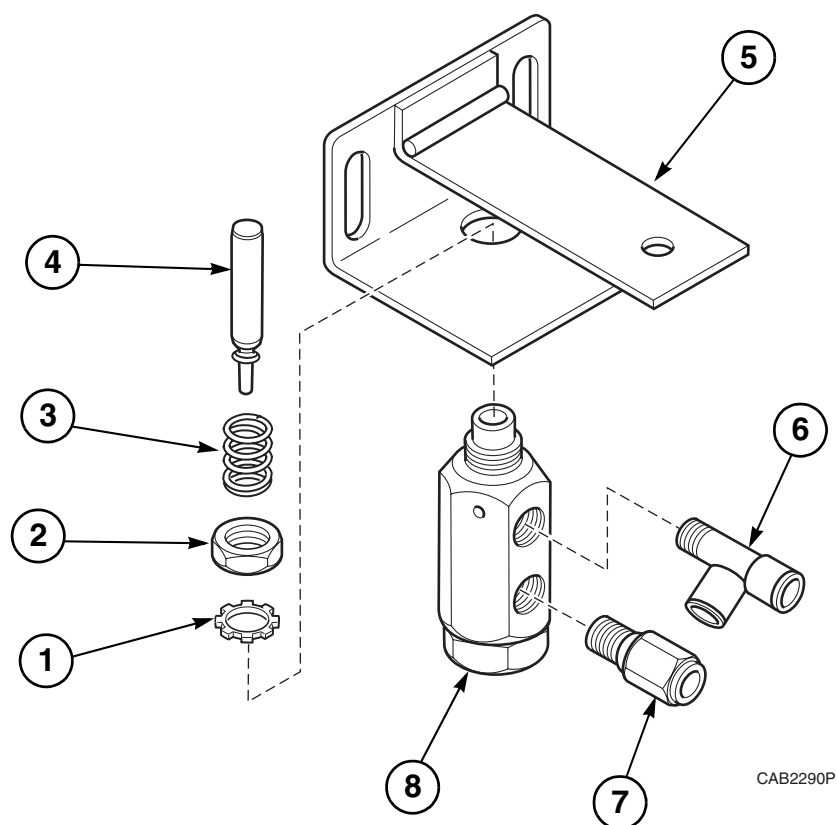


CAB2288P

Valve and Bracket Assembly – CTSB Models (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1525195	Valve and Bracket Assembly	Includes items 1-10
1	JA-52196	Washer	
2	JA-12900	Nut	
3	JA-50447	Spring	
4	J1611417	Valve Stem Assembly	
5	JA-00546	Bracket Assembly	
6	F422101	Air Coupling	
7	JC-30541	Street Pipe Tee	
8	J1407741	Swivel Tubing Elbow	
9	J1039858	Pipe Plug	
10	JA-06430	Valve Body Assembly	Refer to <i>Valve Body Assembly</i> section for parts breakdown

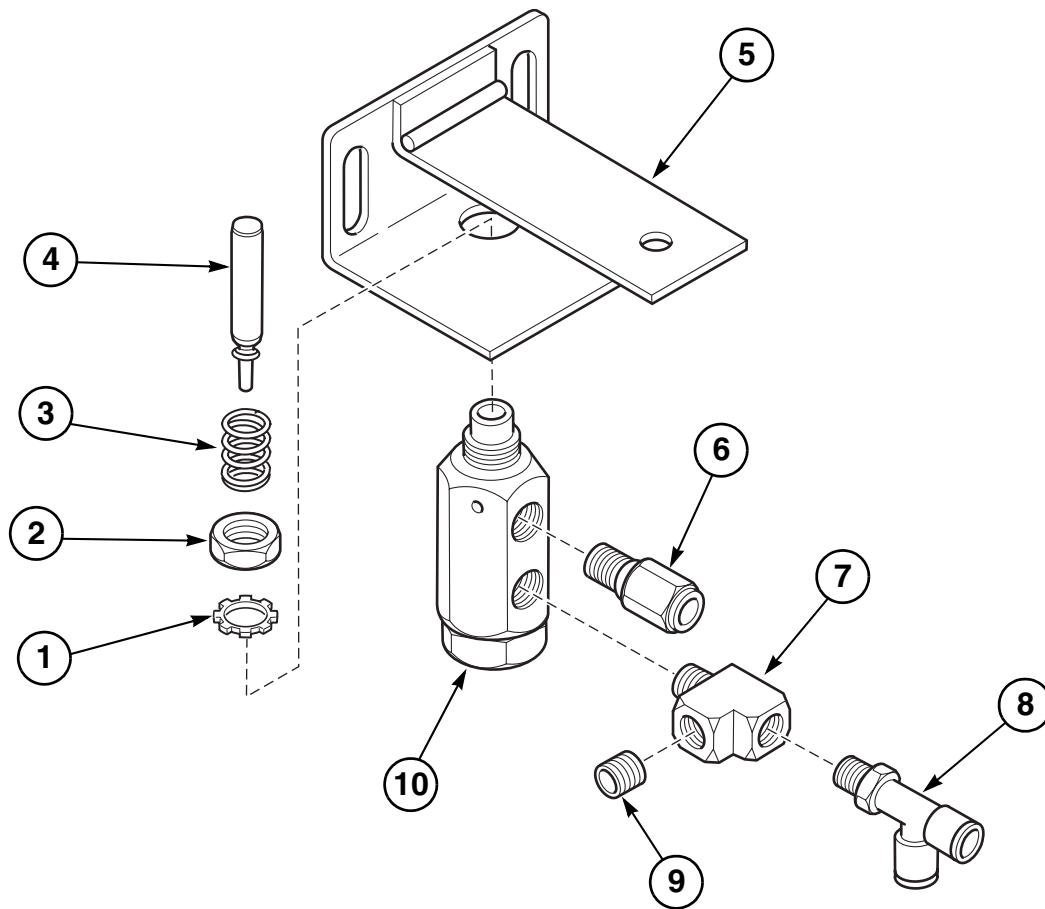
Valve and Bracket Assembly – CTSB Models (Drawing 2 of 2)



Valve and Bracket Assembly – CTSB Models (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1541838	Valve and Bracket Assembly	Includes items 1-8
1	JA-52196	Washer	
2	JA-12900	Nut	
3	JA-50447	Spring	
4	J1611417	Valve Stem Assembly	
5	JA-00546	Bracket Assembly	
6	J1438357	Quick Tubing Tee	
7	F422101	Air Coupling	
8	JA-06430	Valve Body Assembly	Refer to <i>Valve Body Assembly</i> section for parts breakdown

Valve and Bracket Assembly – CTDB Models (Drawing 1 of 2)

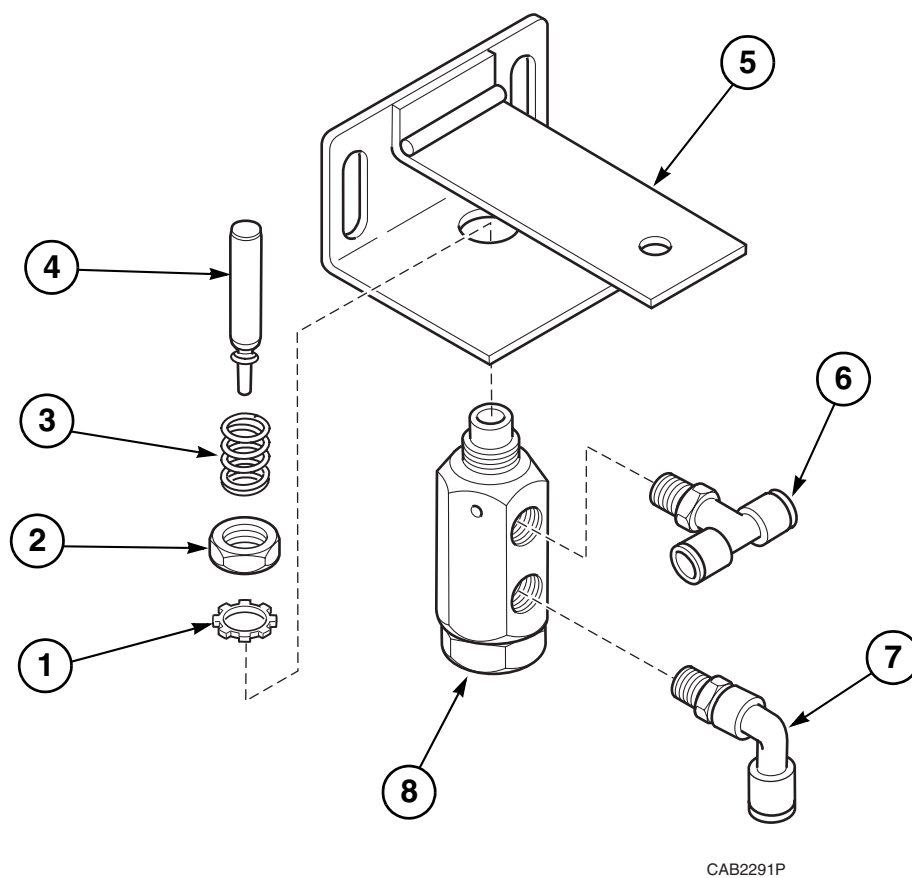


CAB2289P

Valve and Bracket Assembly – CTDB Models (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1520907	Valve and Bracket Assembly	Includes items 1-10
1	JA-52196	Washer	
2	JA-12900	Nut	
3	JA-50447	Spring	
4	J1611417	Valve Stem Assembly	
5	JA-00546	Bracket Assembly	
6	F422101	Air Coupling	
7	JC-30541	Street Pipe Tee	
8	J1438357	Quick Tubing Tee	
9	J1039858	Pipe Plug	
10	JA-06430	Valve Body Assembly	Refer to <i>Valve Body Assembly</i> section for parts breakdown

Valve and Bracket Assembly – CTDB Models (Drawing 2 of 2)

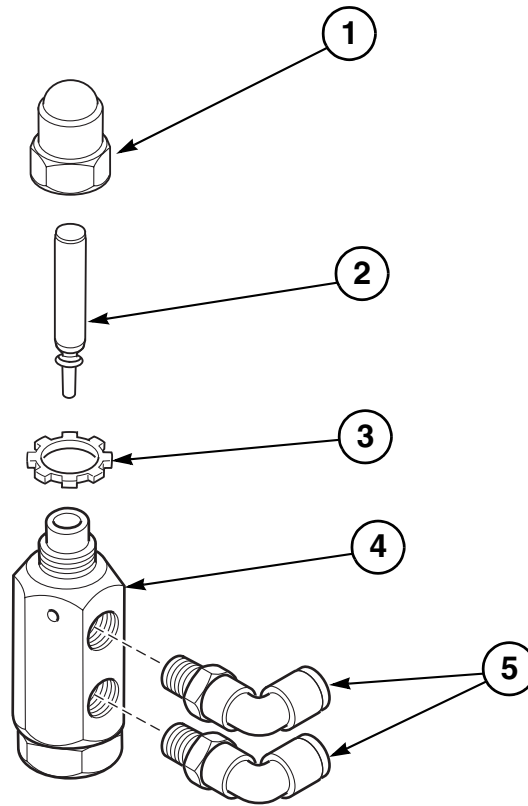


Valve and Bracket Assembly – CTDB Models (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1541846	Valve and Bracket Assembly	Includes items 1-8
1	JA-52196	Washer	
2	JA-12900	Nut	
3	JA-50447	Spring	
4	J1611417	Valve Stem Assembly	
5	JA-00546	Bracket Assembly	
6	J1437029	Quick Tubing Tee	
7	J1407741	Swivel Tubing Elbow	
8	JA-06430	Valve Body Assembly	Refer to <i>Valve Body Assembly</i> section for parts breakdown

Tail Clamp Valve Assembly

CTDB Models

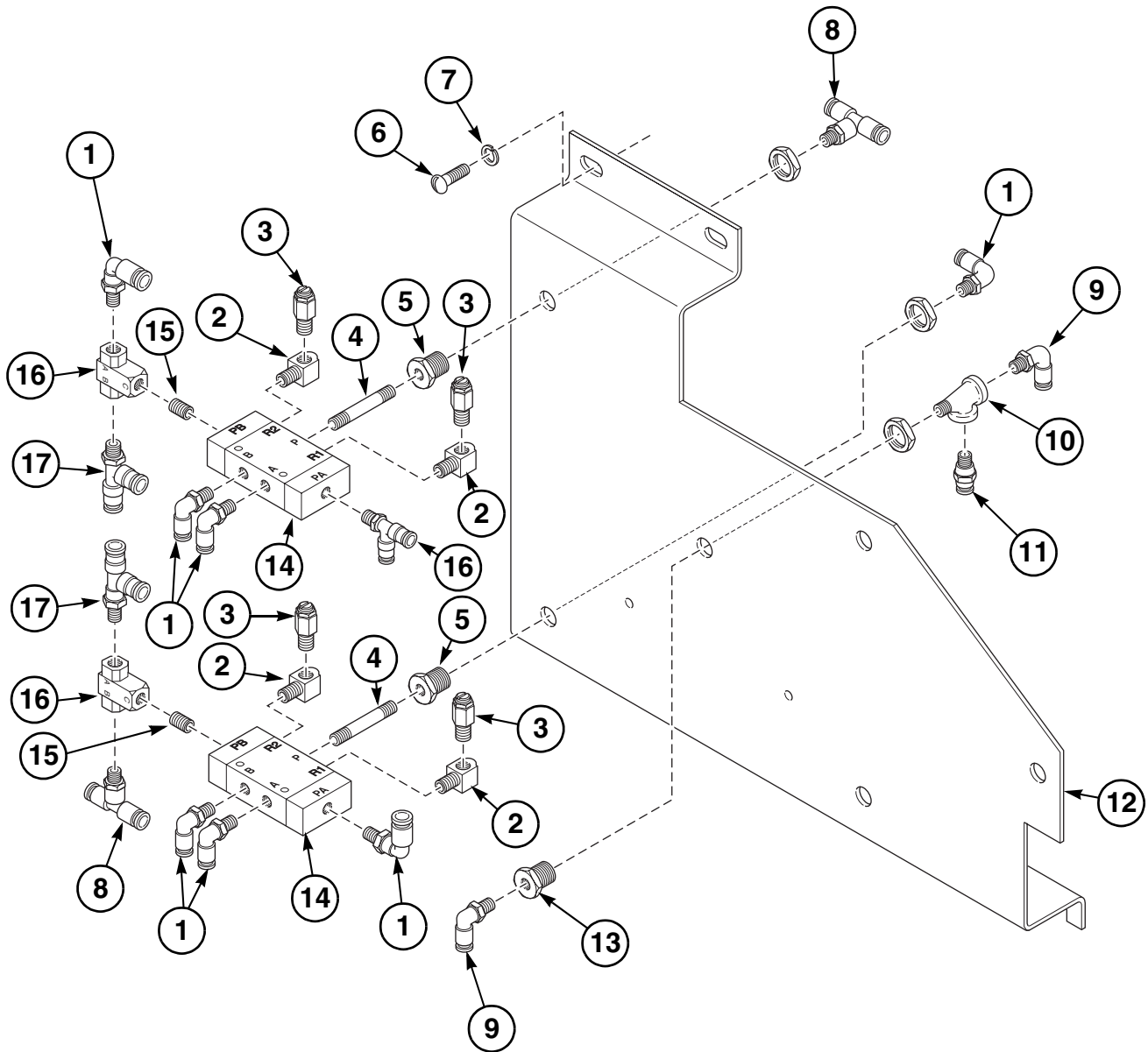


CAB2406P

Tail Clamp Valve Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1525245	Tail Clamp Valve Assembly	Includes items 1-5
1	JA-00397	Pushbutton Assembly	
2	J1611417	Valve Stem Assembly	
3	JA-52196	Washer	
4	JA-06430	Valve Body Assembly	Refer to <i>Valve Body Assembly</i> section for parts breakdown
5	J1407741	Swivel Tubing Elbow	2 required

Operating Valve Assembly – Models CTDBT and CTDBV (Drawing 1 of 2)

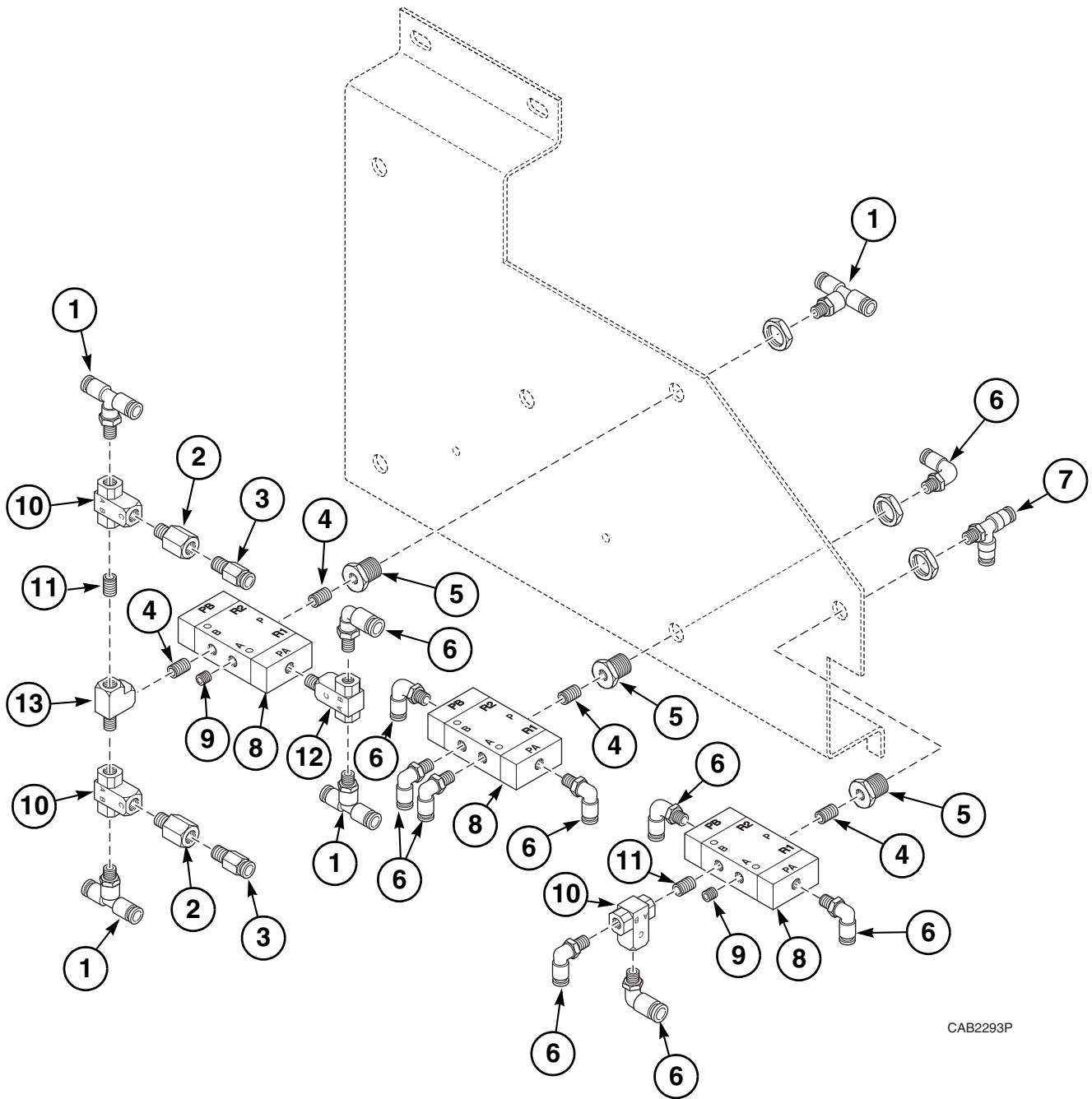


CAB2292P

Operating Valve Assembly – Models CTDBT and CTDBV (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1523786	Operating Valve Assembly	Includes all items in J1523786 Operating Valve Assembly
1	J1407741	Swivel Tubing Elbow	17 required in whole assembly
2	JC-28317	Street Pipe Elbow	4 required in whole assembly
3	J1548403	Flow Control Valve	Swivel; 4 required in whole assembly
4	J1026103	Pipe Nipple	2 required in whole assembly
5	J1598911	Bulkhead Fitting	5 required in whole assembly; Includes nut
6	J1238518	Screw	4 required
7	J1185073	Washer	4 required
8	J1437029	Quick Tubing Tee	5 required in whole assembly
9	J1419811	Swivel Tubing Elbow	2 required in whole assembly
10	J1266808	Pipe Tee	
11	J1408020	Tubing Connector	
12	J1524156	Valve Mounting Bracket	
13	J1482389	Pipe Bulkhead Fitting	Includes nuts
14	J1548783	Double Air Piloted Valve	4-way; 5 required in whole assembly
15	J1232313	Pipe Nipple	6 required in whole assembly
16	J1523596	Shuttle Valve	3 required in whole assembly
17	J1438357	Quick Tubing Tee	4 required in whole assembly

Operating Valve Assembly – Models CTDBT and CTDBV (Drawing 2 of 2)

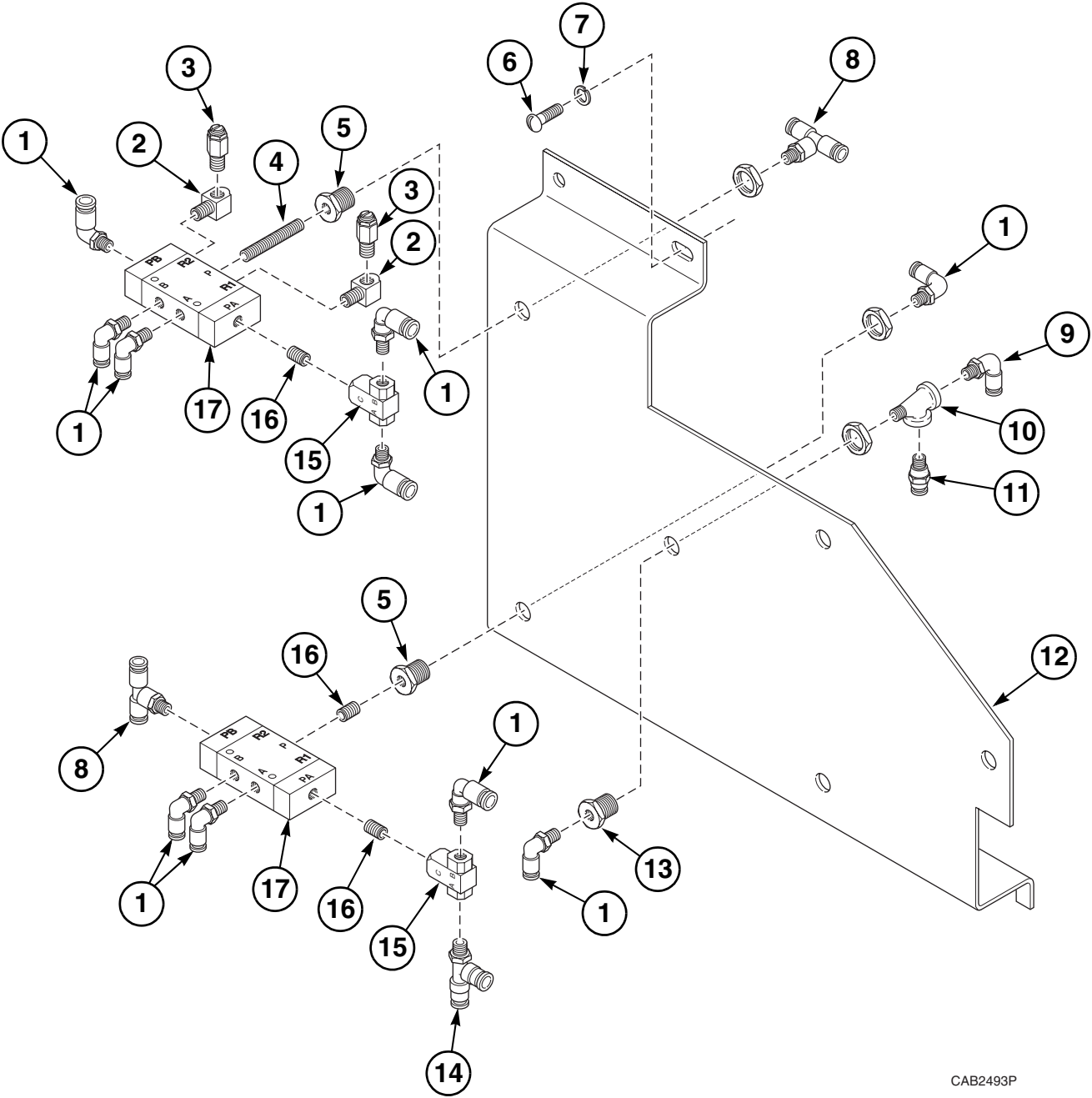


CAB2293P

Operating Valve Assembly – Models CTDBT and CTDBV (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1523786	Operating Valve Assembly	Includes all items in J1523786 Operating Valve Assembly
1	J1437029	Quick Tubing Tee	5 required in whole assembly
2	J1392158	Orifice	2 required in whole assembly
3	F422101	Air Coupling	2 required in whole assembly
4	J1232313	Pipe Nipple	6 required in whole assembly
5	J1598911	Bulkhead Fitting	5 required in whole assembly; Includes nut
6	J1407741	Swivel Tubing Elbow	17 required in whole assembly
7	J1438357	Quick Tubing Tee	4 required in whole assembly
8	J1548783	Double Air Piloted Valve	4-way; 5 required in whole assembly
9	J1039858	Pipe Plug	2 required in whole assembly
10	JA-53602	Shuttle Valve	3 required in whole assembly
11	J1026103	Pipe Nipple	2 required
12	J1523596	Shuttle Valve	3 required in whole assembly
13	JC-30541	Street Pipe Tee	

Operating Valve Assembly – Model CTSBV (Drawing 1 of 2)

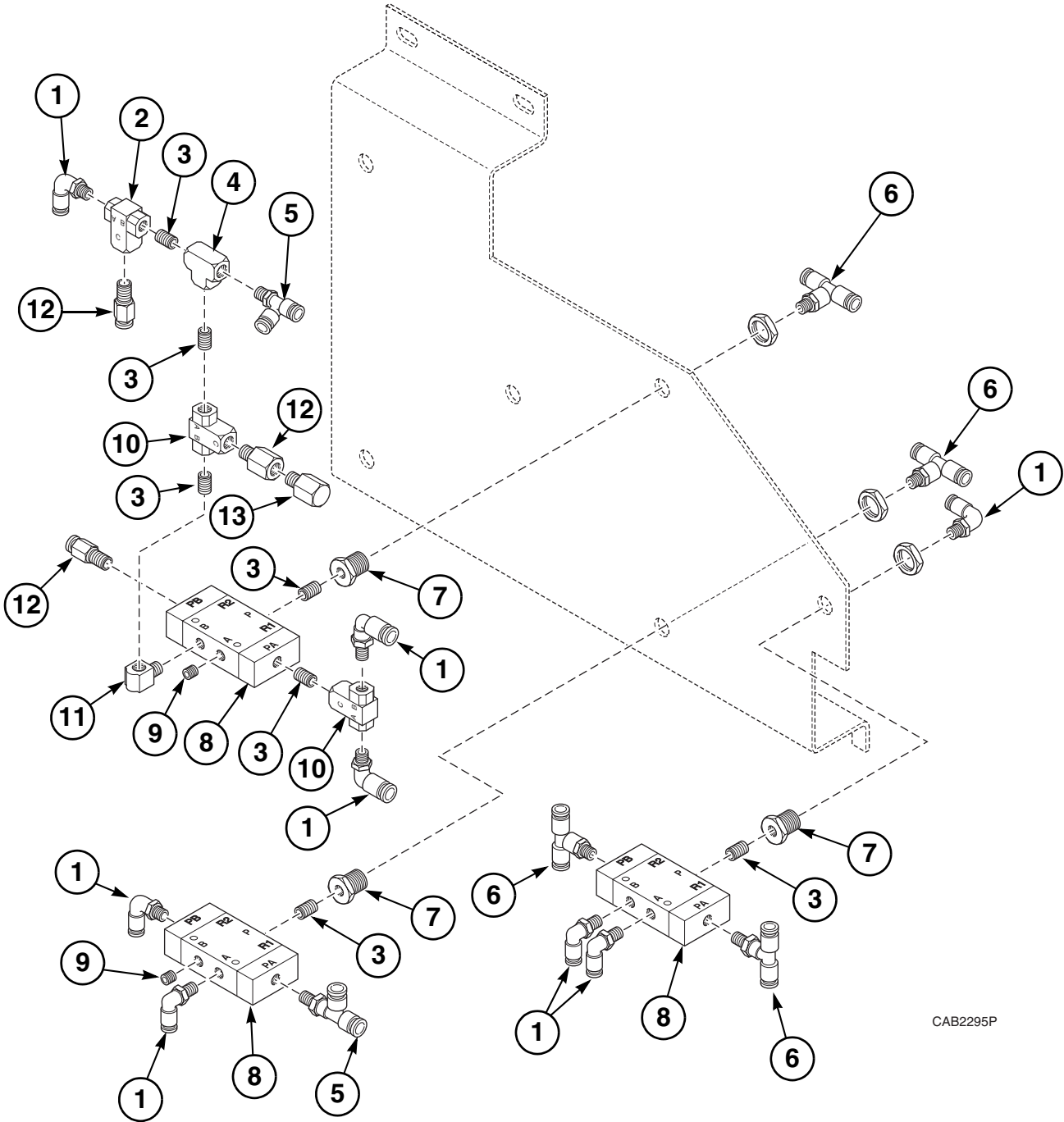


CAB2493P

Operating Valve Assembly – Model CTSBV (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1525211	Valve Assembly	Includes all items in J1525211Valve Assembly
1	J1407741	Swivel Tubing Elbow	15 required for whole assembly
2	JC-28317	Street Pipe Elbow	3 required for whole assembly
3	J1548403	Flow Control Valve	2 required for whole assembly
4	J1026103	Pipe Nipple	
5	J1598911	Bulkhead Fitting	Includes nut; 5 required for whole assembly
6	J1238518	Screw	4 required
7	J1185073	Washer	4 required
8	J1437029	Quick Tubing Tee	6 required for whole assembly
9	J1419811	Swivel Tubing Elbow	5 required for whole assembly
10	J1266808	Pipe Tee	
11	J1408020	Tubing Connector	
12	J1524156	Valve Mounting Bracket	
13	J1482389	Pipe Bulkhead Fitting	Includes nut; 5 required for whole assembly
14	J1438357	Quick Tubing Tee	3 required for whole assembly
15	J1523596	Shuttle Valve	3 required for whole assembly
16	J1232313	Pipe Nipple	7 required for whole assembly
17	J1548783	Double Air Piloted Valve	4-way; 5 required for whole assembly

Operating Valve Assembly – Model CTSBV (Drawing 2 of 2)

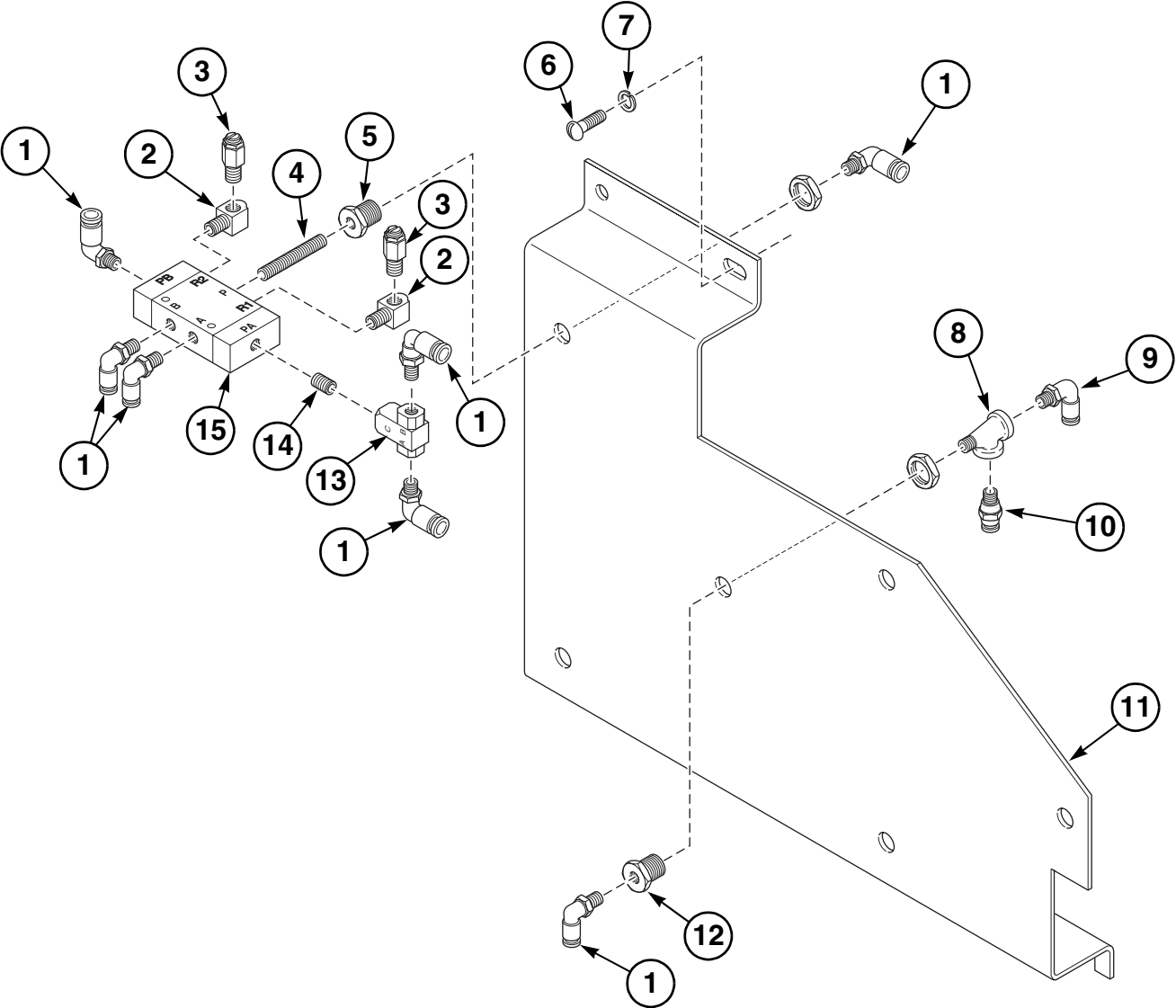


CAB2295P

Operating Valve Assembly – Model CTSBV (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1525211	Valve Assembly	Includes all items in J1525211 Valve Assembly
1	J1407741	Swivel Tubing Elbow	15 required for whole assembly
2	JA-53602	Shuttle Valve	2 required for whole assembly
3	J1232313	Pipe Nipple	7 required for whole assembly
4	JC-70613	Pipe Tee	
5	J1438357	Quick Tubing Tee	3 required for whole assembly
6	J1437029	Quick Tubing Tee	6 required for whole assembly
7	J1598911	Bulkhead Fitting	5 required for whole assembly; Includes nut
8	J1548783	Double Air Piloted Valve	4-way; 5 required for whole assembly
9	J1039858	Pipe Plug	2 required for whole assembly
10	J1523596	Shuttle Valve	3 required for whole assembly
11	JC-28317	Street Pipe Elbow	3 required for whole assembly
12	F422101	Air Coupling	3 required for whole assembly
13	J1392158	Orifice	

Operating Valve Assembly – Model CTSBT (Drawing 1 of 2)

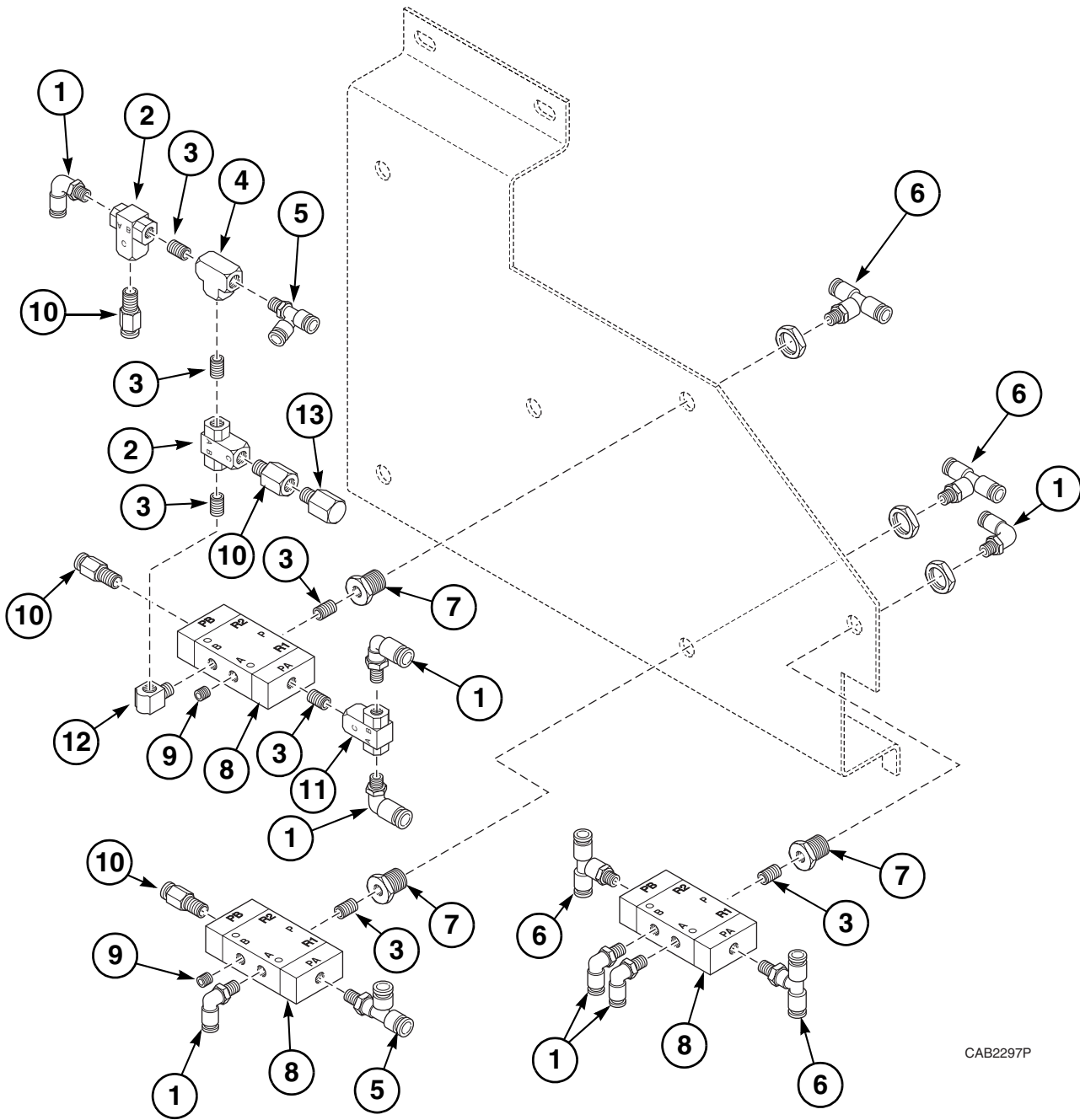


CAB2296P

Operating Valve Assembly – Model CTSBT (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1525229	Valve Assembly	Includes all items in J1525229 Valve Assembly
1	J1407741	Swivel Tubing Elbow	13 required for whole assembly
2	JC-28317	Street Pipe Elbow	3 required for whole assembly
3	J1548403	Flow Control Valve	2 required for whole assembly
4	J1026103	Pipe Nipple	
5	J1598911	Bulkhead Fitting	Includes nut; 4 required for whole assembly
6	J1238518	Screw	
7	J1185073	Washer	
8	J1266808	Pipe Tee	
9	J1419811	Swivel Tubing Elbow	2 required for whole assembly
10	J1408020	Tubing Connector	
11	J1524156	Valve Mounting Bracket	
12	J1482389	Pipe Bulkhead Fitting	Includes nut
13	J1523596	Shuttle Valve	2 required for whole assembly
14	J1232313	Pipe Nipple	6 required for whole assembly
15	J1548783	Double Air Piloted Valve	4-way; 4 required for whole assembly

Operating Valve Assembly – Model CTSBT (Drawing 2 of 2)

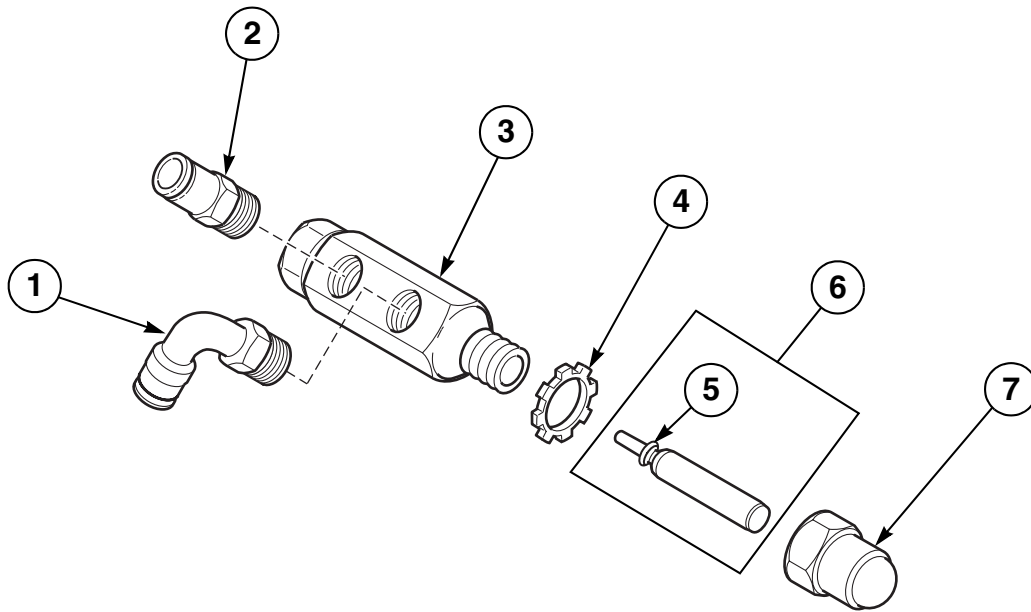


CAB2297P

Operating Valve Assembly – Model CTSBT (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1525229	Valve Assembly	Includes all items in J1525229 Valve Assembly
1	J1407741	Swivel Tubing Elbow	13 required for whole assembly
2	JA-53602	Shuttle Valve	2 required for whole assembly
3	J1232313	Pipe Nipple	6 required for whole assembly
4	JC-70613	Pipe Tee	
5	J1438357	Quick Tubing Tee	
6	J1437029	Quick Tubing Tee	4 required for whole assembly
7	J1598911	Bulkhead Fitting	Includes nut; 4 required for whole assembly
8	J1548783	Double Air Piloted Valve	4-way; 4 required for whole assembly
9	J1039858	Pipe Plug	2 required for whole assembly
10	F422101	Air Coupling	4 required for whole assembly
11	J1523596	Shuttle Valve	2 required for whole assembly
12	JC-28317	Street Pipe Elbow	3 required for whole assembly
13	J1392158	Orifice	

Reset Valve Assembly

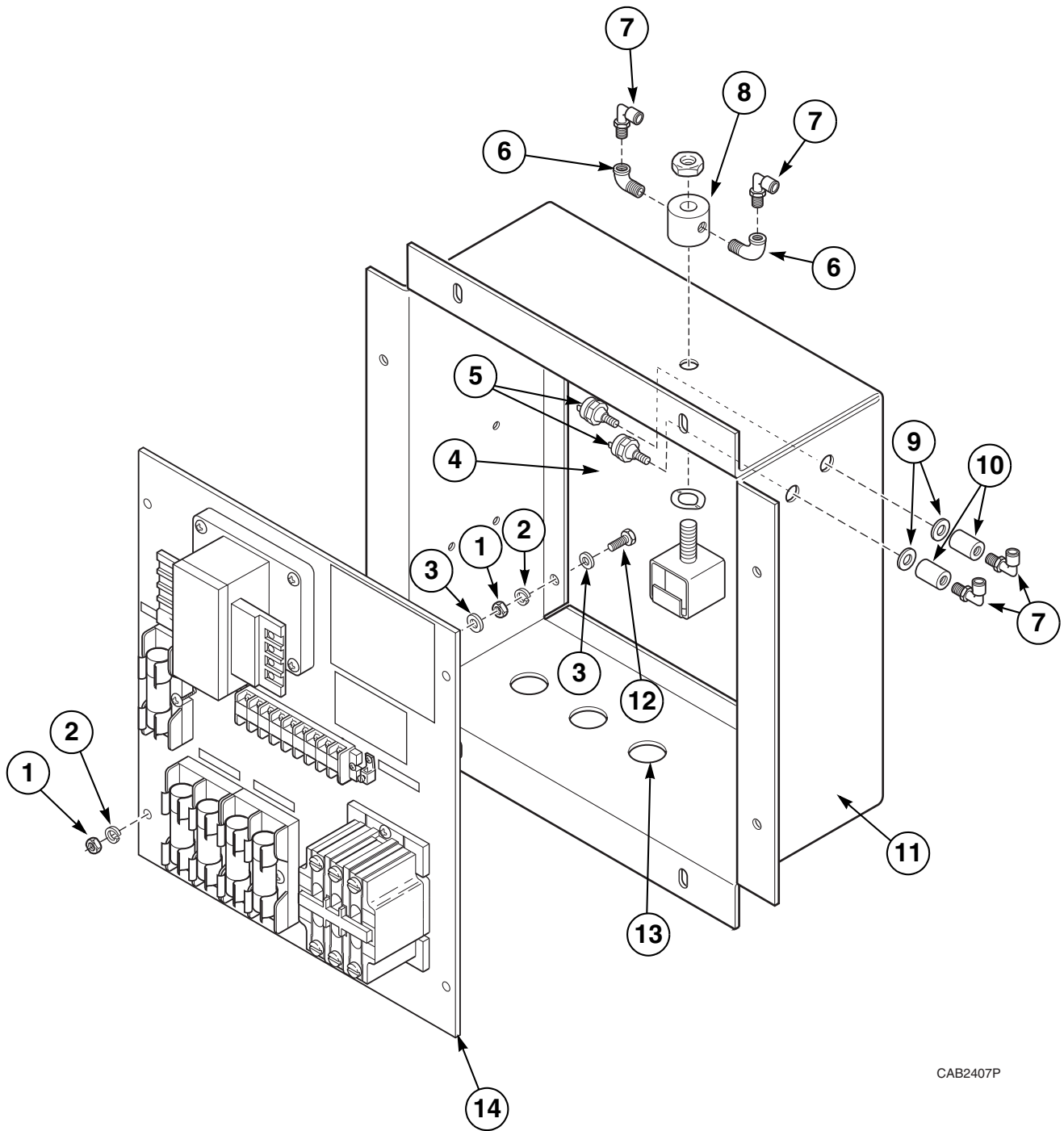


CAB2373P

Reset Valve Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1445303	Reset Valve Assembly	Includes items 1-4, 6 and 7
1	J1407741	Swivel Tubing Elbow	
2	F422101	Air Coupling	
3	JA-06430	Valve Body Assembly	
4	JA-52196	Washer	
5	J1403310	O-Ring	
6	J1611417	Valve Stem Assembly	Includes item 5
7	JA-00397	Pushbutton Assembly	

Electrical Control Assembly



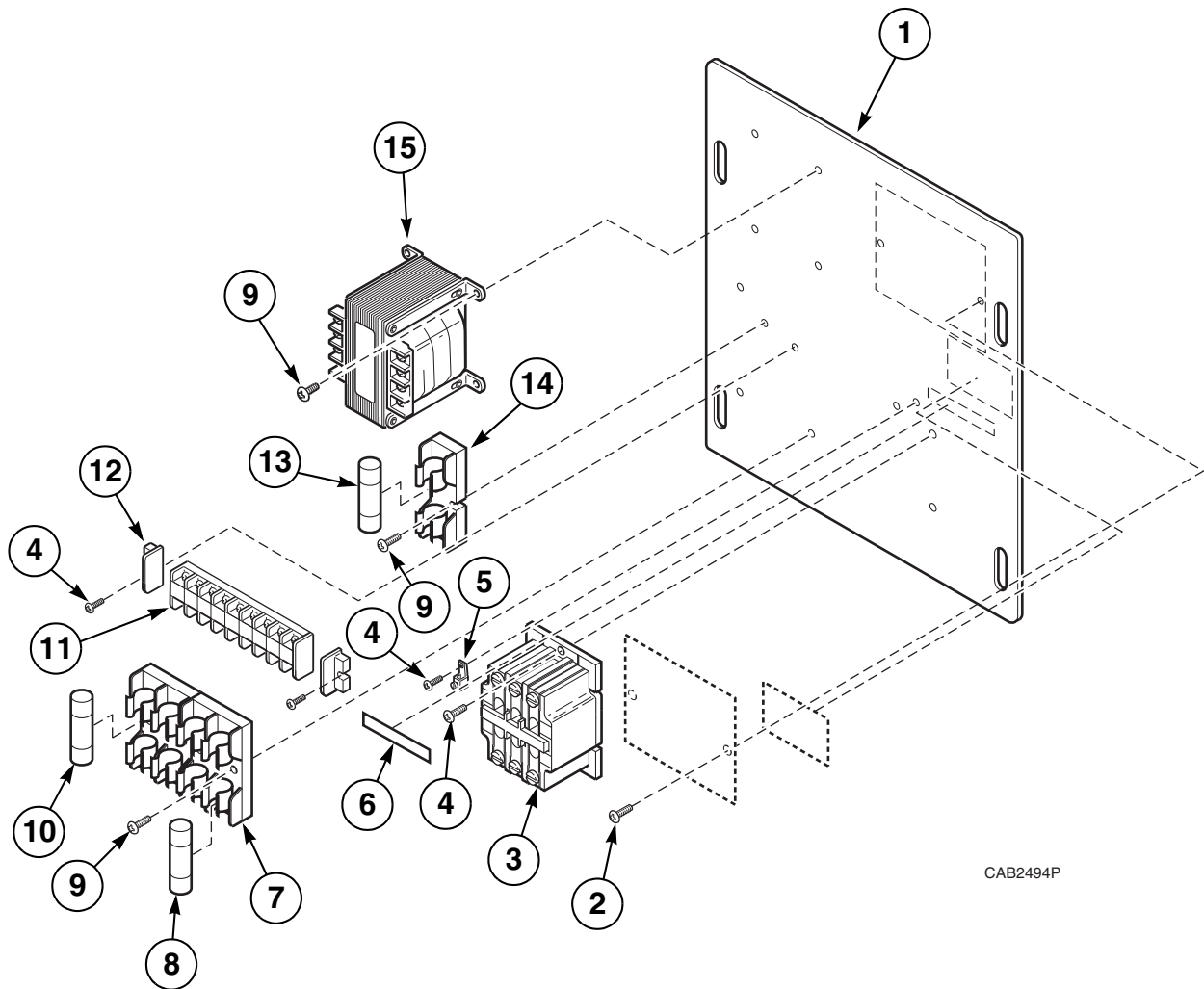
CAB2407P

Electrical Control Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1531698	Insulation	
1	20275	Nut	8 required
2	J1185073	Washer	8 required
3	JC-80513	Washer	8 required
4	N/A	Backplate	
5	J1364181	Pressure Switch	2 required
6	JC-28235	Street Pipe Elbow	2 required
7	J1398288	Male Tubing Elbow	4 required
8	J1362854	3-Way Solenoid Valve	
9	J1001304	Washer	2 required
10	N/A	Coupling	2 required
11	J1545433	Electrical Control Weldment	
12	JC-62724	Screw	4 required
13	J1427103	Vent Plug	8 required
14	J1547041	Control Box Assembly	Below 250 Volt/50 or 60 Hertz/3 Phase; Refer to <i>Control Panel Assembly</i> section for parts breakdown
	J1547058	Control Box Assembly	460 Volt/60 Hertz/3 Phase; Refer to <i>Control Panel Assembly</i> section for parts breakdown
	N/A	Control Box Assembly	575 Volt/60 Hertz/3 Phase; Refer to <i>Control Panel Assembly</i> section for parts breakdown
	J1547074	Control Box Assembly	380-415 Volt/50 Hertz/3 Phase; Refer to <i>Control Panel Assembly</i> section for parts breakdown

N/A = Part no longer available

Control Panel Assembly (Drawing 1 of 2)



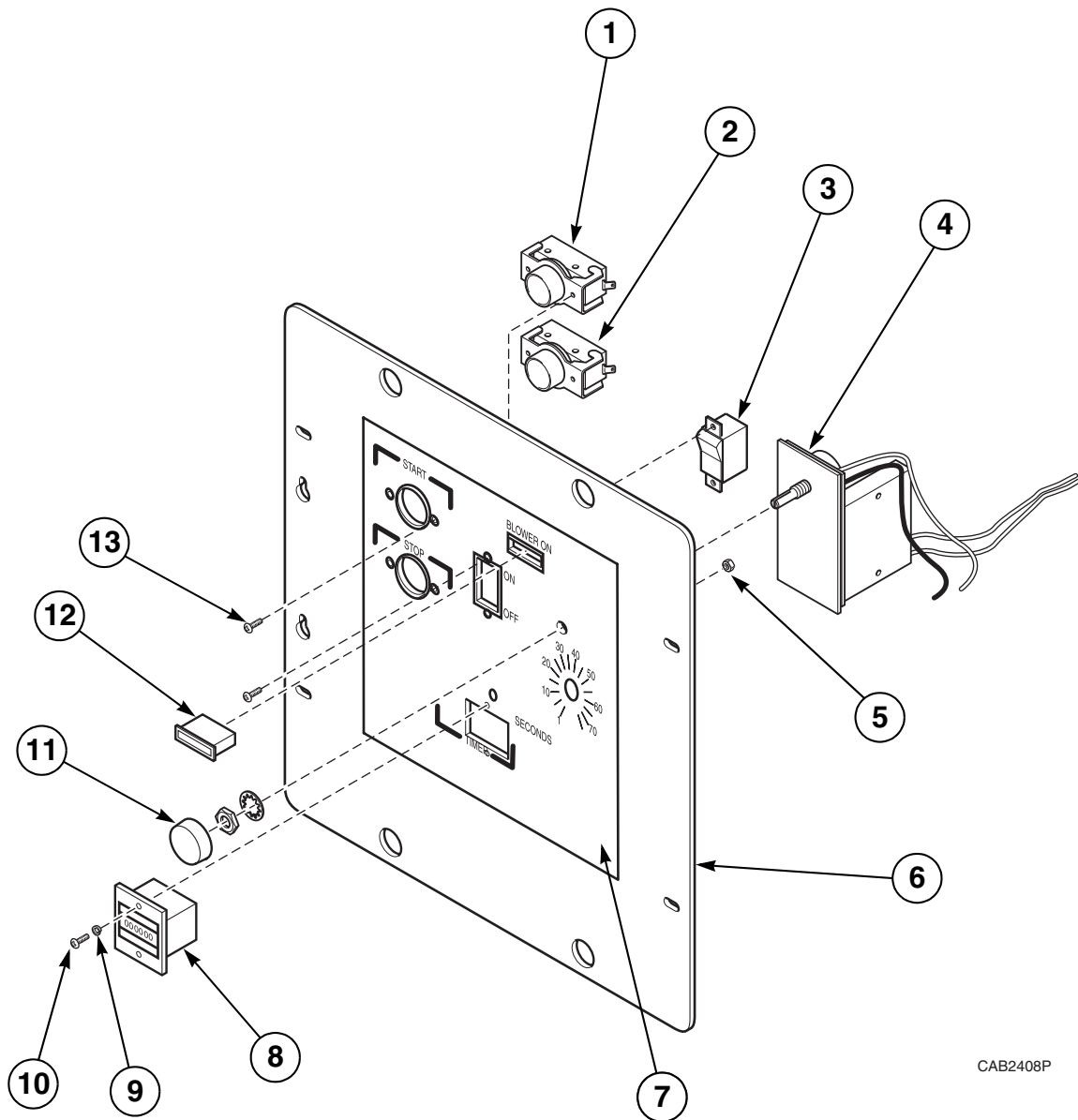
CAB2494P

Control Panel Assembly (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	JC-57855	Contactors	Used with item 3
1	N/A	Control Panel	
2	J1378603	Screw	2 required
3	JC-25008	Auxiliary Contact	
4	JC-64014	Screw	5 required
5	J1189125	Terminal Lug	
6	J10-607	Ground Wire Label	
7	J1235142	Fuse Block	2 required; Below 250 Volt
	J1401884	Fuse Holder	2 required; Above 250 Volt
8	J1234665	Fuse	2 required; 10 Amp; 250 Volt
	J1422930	Fuse	2 required; 6 Amp; 600 Volt
	J1408780	Fuse	2 required; 5 Amp; 460-575 Volt
9	J1323153	Screw	8 required
10	JC-31691	Fuse	2 required; 2 Amp, 250 Volt
	J1477496	Fuse	2 required; 1 Amp; 380-415-460 Volt
	J1545417	Fuse	2 required; .8 Amp; 575 Volt
11	J1081793	Terminal Block	9 required
12	J1085943	End Terminal Block	
13	J1235944	Fuse	1 Amp; 250 Volt
14	J1081710	Fuse Block	
15	J1475938	Transformer	208-230-460 Volt/50 or 60 Hertz/3 Phase
	J1475946	Transformer	575 Volt/60 Hertz/3 Phase
	J1475953	Transformer	380-415 Volt/50 or 60 Hertz/3 Phase

N/A = Part no longer available

Control Panel Assembly (Drawing 2 of 2)

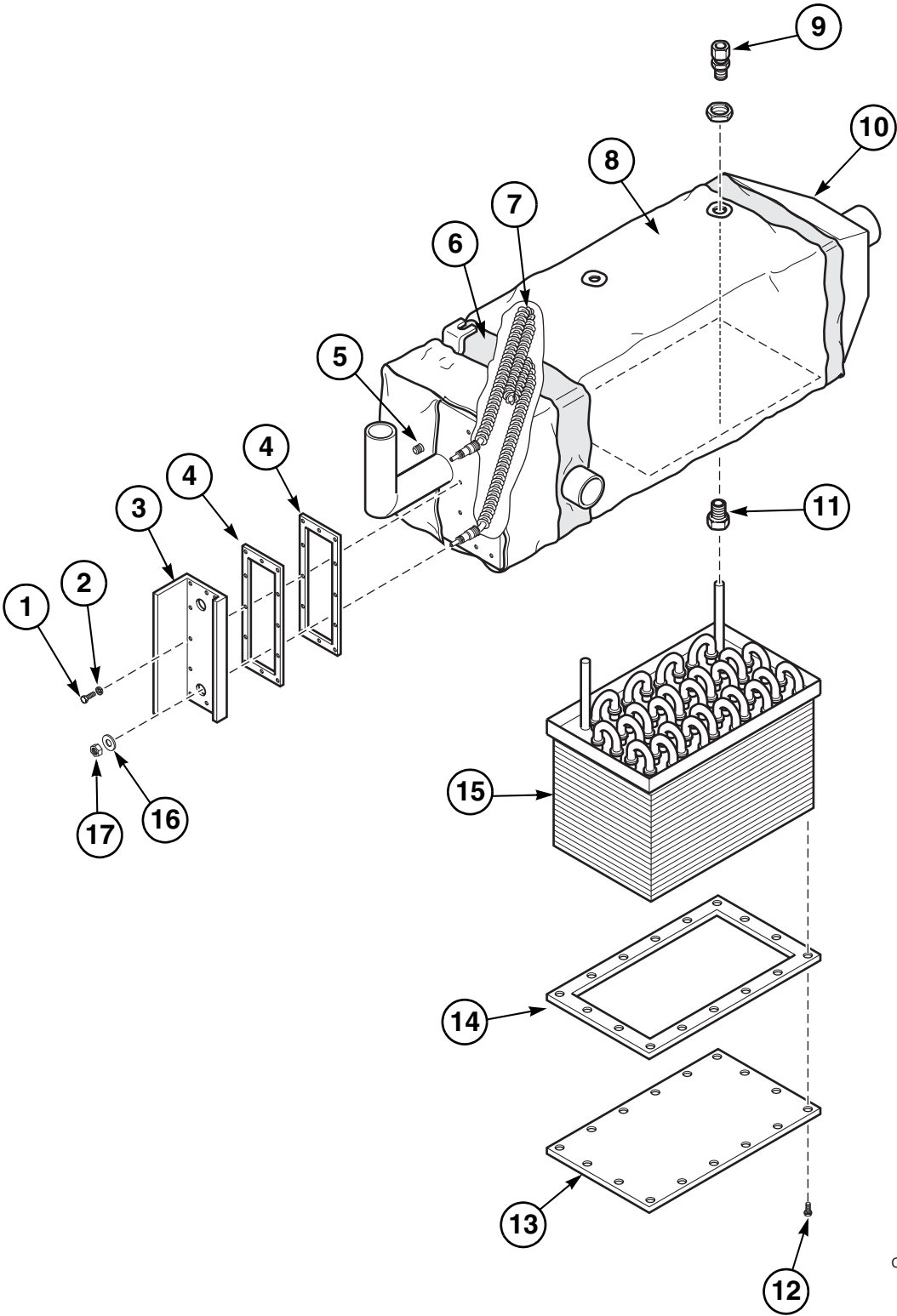


CAB2408P

Control Panel Assembly (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1531086	Control Panel Assembly	Includes items 1-13
1	M400954P	Push-to-Start Switch Kit	Black
2	JA-52477	Pushbutton	Red
3	J1236306	Rocker Switch	SPDT
4	J1478601	Flush Mount Timer Assembly	115 Volt
	J200050400	Common Timer Circuit Board Kit	Order to replace J1478601 Flush Mount Timer Assembly
5	02788	Nut	
6	J1518026	Control Box Cover	
7	J1516921	Operating Control Nameplate	
8	J1530765	Counter	
9	J1216357	Washer	
10	J1112887	Screw	
11	JE-66022	Knob	
12	JST-163-2	Pilot Light	110 Volt
13	J1233162	Screw	

Heat Exchanger Assembly

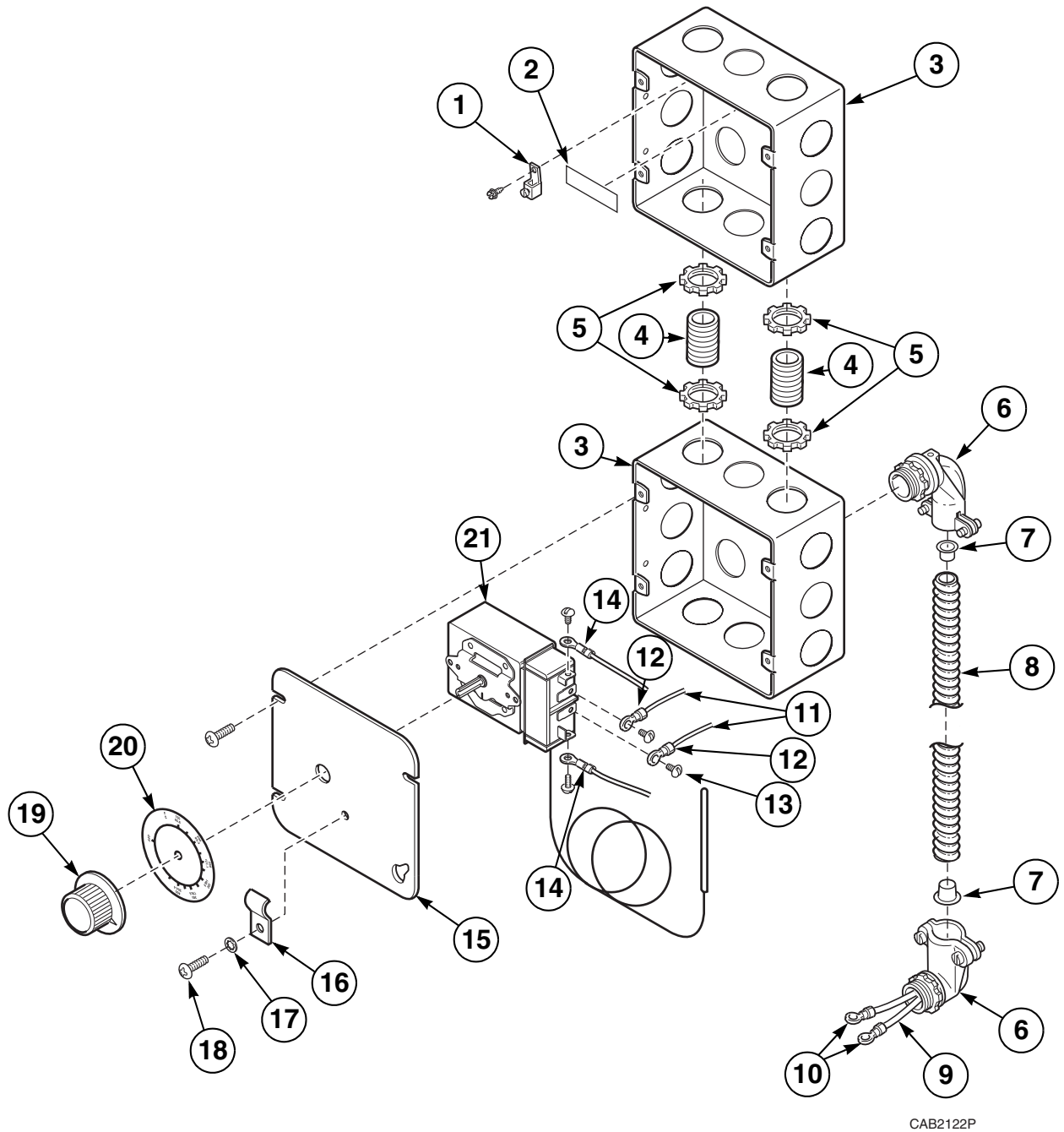


CAB2079P

Heat Exchanger Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1525237	Heat Exchanger Assembly	Includes items 1-17
1	J1571371	Screw	12 required
2	J1000975	Washer	12 required
3	JA-22982	Heater Plate	
4	JA-23801	Electric Box Gasket	2 required
5	JA-24122	Fitting	
6	J0440160-00	Duct Tape	
7	JA-53883	Heater Element	1500 Watt; 230 Volt
8	J1540749	Insulation	
9	J1161272	Male Compression Connector	2 required
10	J1538750	Housing Weldment	
11	J1540731	Bulkhead Fitting	2 required
12	H88214572	Screw	16 required
13	J1562818	Heat Exchanger Cover Plate	
14	J1540814	Joint Sealant Gasket	4 feet required
15	J1536382	Steam Coil Weldment	
16	JC-80565	Washer	2 required
17	JC-48312	Nut	2 required

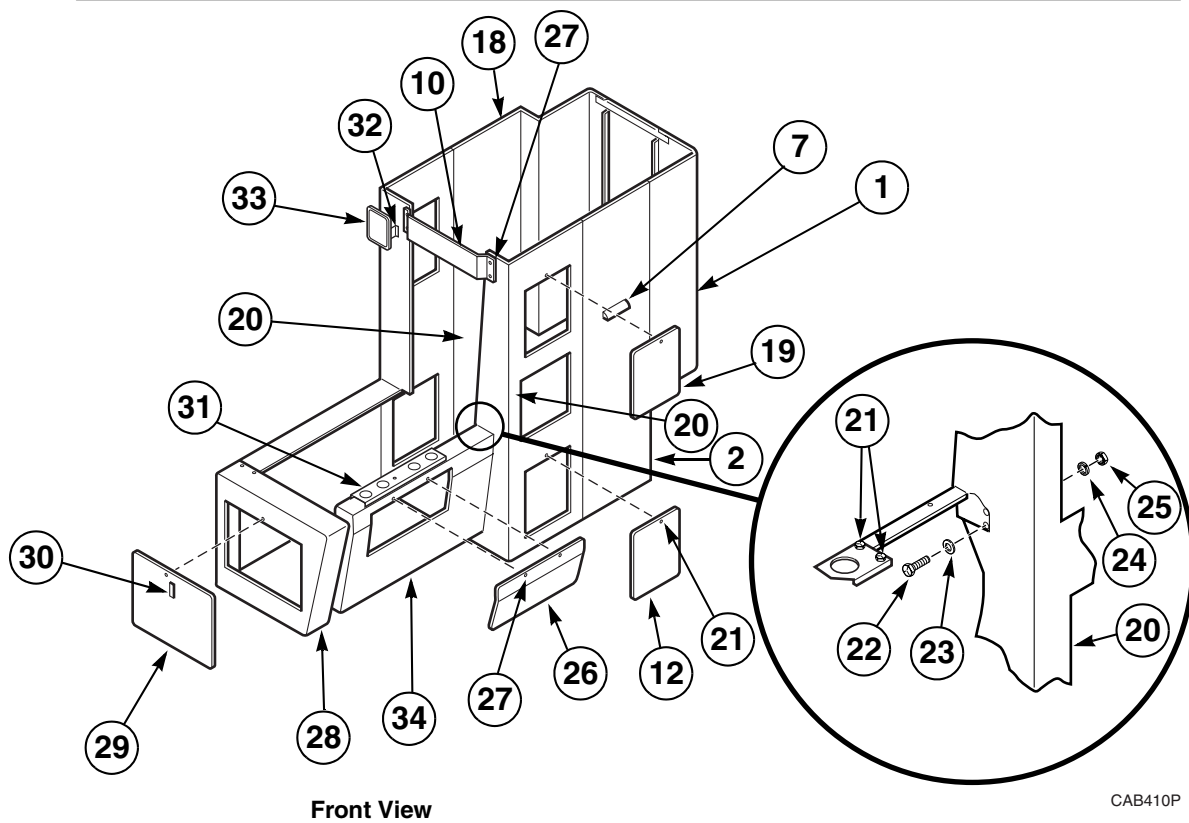
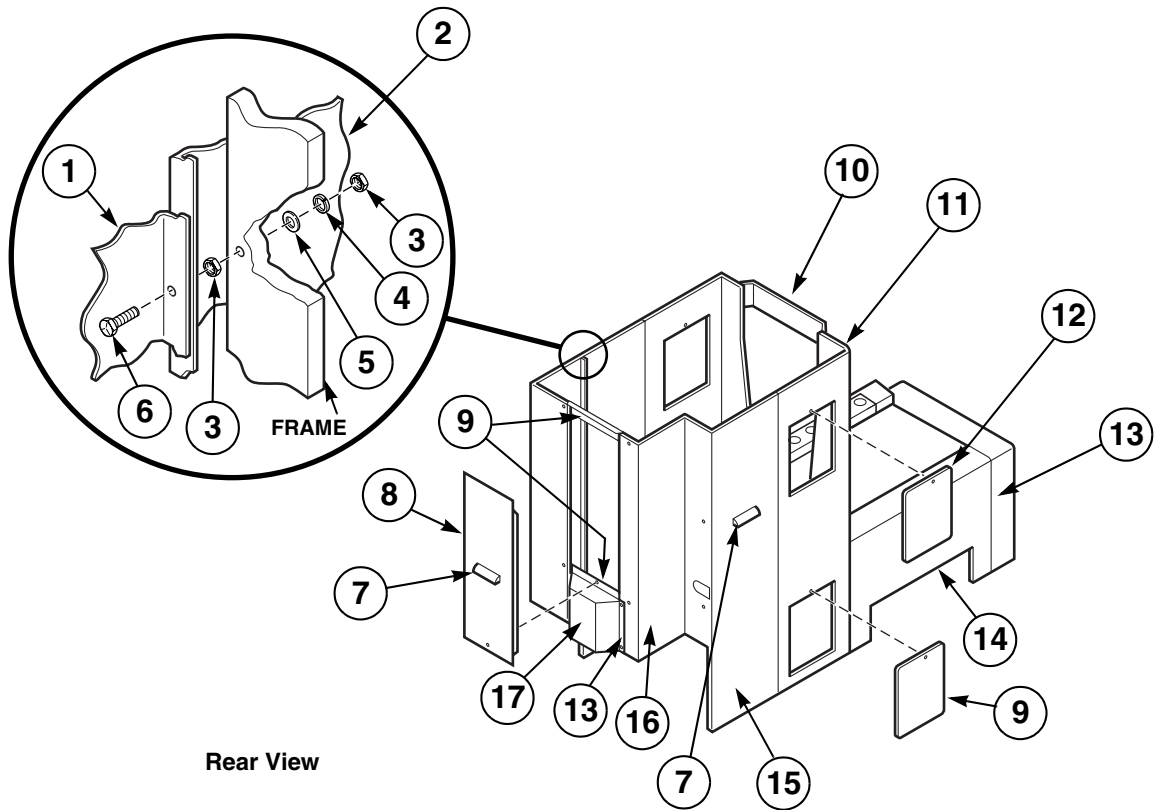
Thermostat Assembly



Thermostat Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1531094	Thermostat Assembly	Includes items 1-21, JM-99961 Sleeving and J1066919 Snap-In Bushing
	JM-99961	Sleeving	Fiberglass; 3 feet required; Used with item 9
	J1066919	Snap-In Bushing	
1	J1189125	Terminal Lug	
2	J10-607	Ground Wire Label	
3	JC-18268	Electrical Outlet Box	2 required
4	JC-46347	Nipple	2 required
5	J1210988	Nut	8 required
6	J1086115	Connector	2 required
7	J1232990	Bushing	2 required
8	J1108497	Conduit	
9	JR-90132	Wire	12 gauge; 3 feet required
10	J1285147	Terminal Ring	2 required
11	JM-99150	Wire	14 gauge; 2 feet required
12	J1190370	Terminal Ring	2 required
13	J1233659	Screw	2 required
14	JT-168-4	Wire Terminal	2 required
15	JA-24123	Thermostat Mounting Plate	
16	J1244623	Tubing Clamp	
17	J1085984	Washer	
18	J1199389	Screw	
19	JA-56916	Knob	
20	JA-86858	Decal and Plate Assembly	
21	JA-54183	Thermostat	150 – 400° F

Covers Assembly

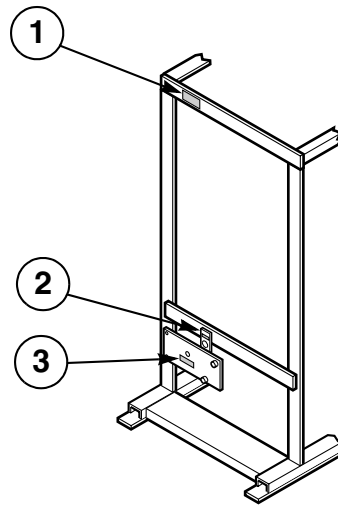


CAB410P

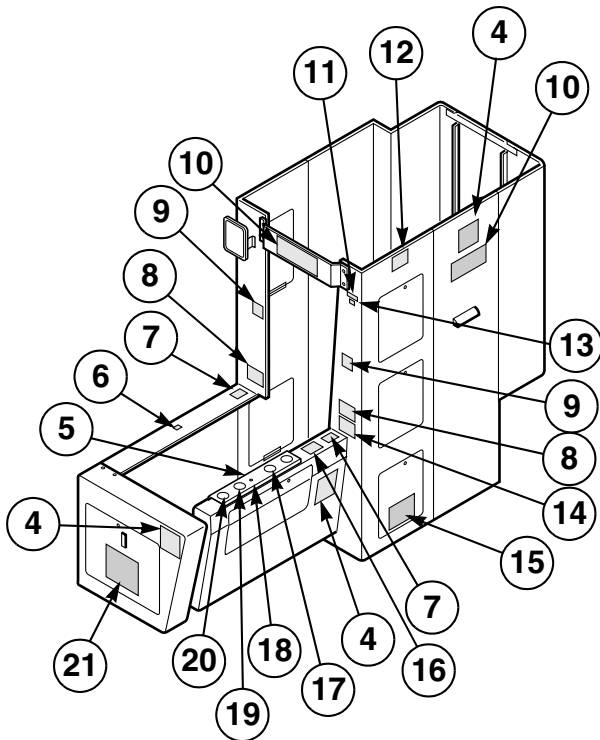
Covers Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
1	J1520410	Right Front Cover	
2	J1520295	Front Center Cover	
3	70142	Nut	2 required
4	M400013	Washer	
5	J1001270	Washer	
6	J1531789	Screw	
7	J1240985	Handle	
	J1085984	Washer	
	J1187228	Screw	
8	J1520329	Right Cover	
9	J1520311	Rear Cover Support	
10	J0637775-00	Left Guard	
11	J1520386	Left Rear Cover	
12	J1520360	Access Cover Weldment	
13	J1111095	Screw	
	J1348192	Nut	
14	J1520394	Rear Rail Cover	
15	J1520402	Center Rear Cover	
16	J1520378	Right Rear Cover	
17	JA-22938	Drive Cylinder Cover	
18	J1320738	Roll Pin	
19	J1541895	Access Panel Cover Weldment	
20	J1534056	Front Left Cover Weldment	
21	J1111095	Screw	
22	JA-53020	Screw	
23	J1185073	Washer	
24	JC-80583	Washer	
25	20275	Nut	
26	J1440593	Door Panel Assembly	
27	J1063619	Screw	
28	J1523026	Left Cover Weldment	
29	J1520345	Left Access Panel Weldment	
30	J1614809	Lift and Turn Latch	
31	J1521095	Operation Control Assembly	Refer to <i>Operation Control Assembly</i> section for parts breakdown
32	J1528579	Mirror Mounting Bracket	Use JA-50394 Screw and items 24 and 26 to attach
33	J1530955	Mirror	
34	J1520436	Control Panel Cover	

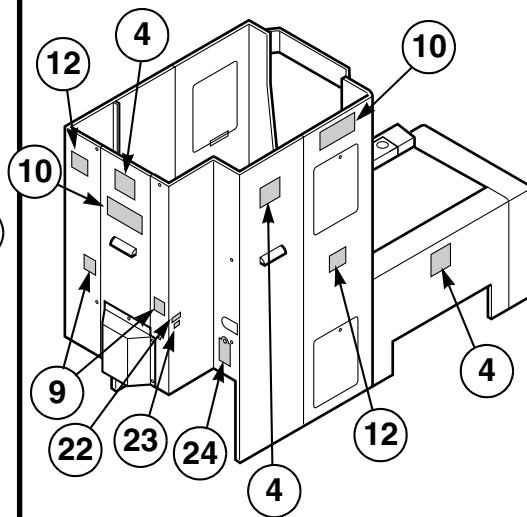
Label Application



Internal Rear View



Front View



Rear View

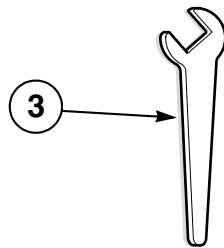
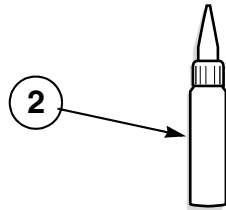
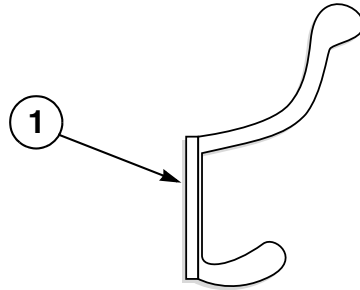
CAB2495P

Label Application

REF	PART NO.	DESCRIPTION	COMMENTS
	J1323724	Blind Rivet	42 required
	JA-18833	Quadrant Decal	2 required
	JA-24671	Constant HD Label	Adjust quadrant
1	J1312545	Fuse Supply Wire Nameplate	Use 2 of J1040476 Screw and 2 of J1000975 Washer to secure
2	JA-17841	Steam Inlet Label	
3	JA-17840	Steam Return Label	
4	J1450931	Warning Nameplate	6 required; Before removing panel
5	JA-18602	Tail Clamp Release Label	CTSBT models only
6	JA-24370	Scotchcal Decal	Clean filter weekly
7	J1556471	Warning Nameplate	2 required; Warning: To avoid injury ...
8	J1443688	Warning Nameplate	2 required; Warning hot surface
9	J1411925	Release Warning Nameplate	4 required
10	J0230222-00	Nameplate	4 required
11	N/A	Reset Button Caution Label	
12	J1162718	Warning Nameplate	3 required; Guards in place
13	J1411339	Release Bar Nameplate	
14	J1524719	Buck Selection Label	
15	J1547553	High/Low Pressure Label	
16	JA-22464	Start Up and Down Sequence Decal	
17	JA-24822	Carriage In Label	
18	J1472208	Sleeve Expander Label	
19	JA-18606	Head Release Label	
20	JA-18289	In Label	
21	J1547587	Valve Operating Label	Operating valves adjustment; Model CTSBT
	J1547579	Valve Operating Label	Operating valves adjustment; Model CTSBV
	J1547561	Valve Operating Label	Operating valves adjustment; CTDB models
22	J1326156	Air Pressure Label	
23	JA-17842	Air Inlet Label	
24	J1546274	Weekly Filter Maintenance Tag	

N/A = Part no longer available

Completing Parts

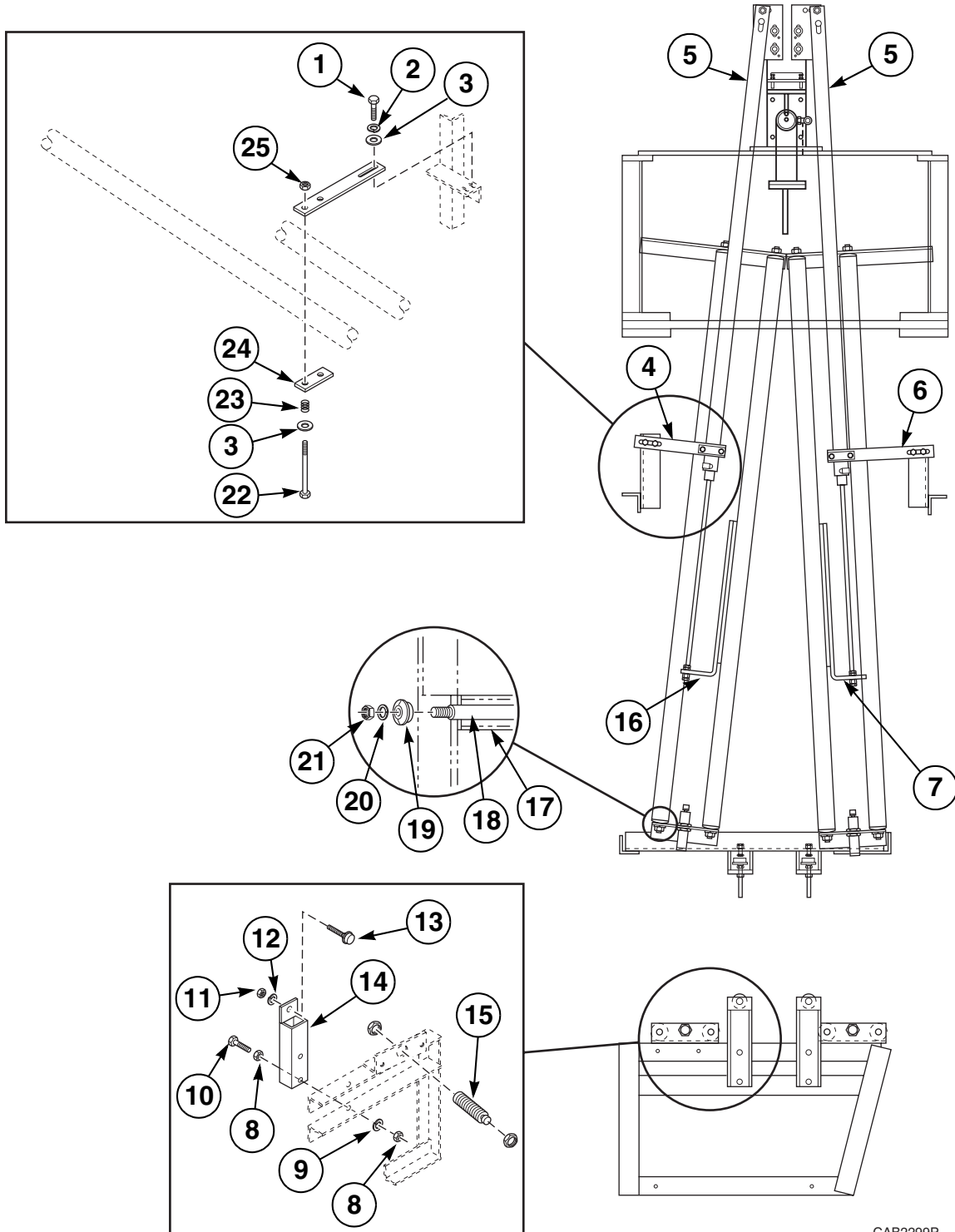


CAB2336P

Completing Parts

REF	PART NO.	DESCRIPTION	COMMENTS
1	J1410901	Hook	
2	J1490598	High Temperature Lubricant	1 ounce bottle
3	J1484732	Wrench	Eccentric

Frame Completing Parts



CAB2299P

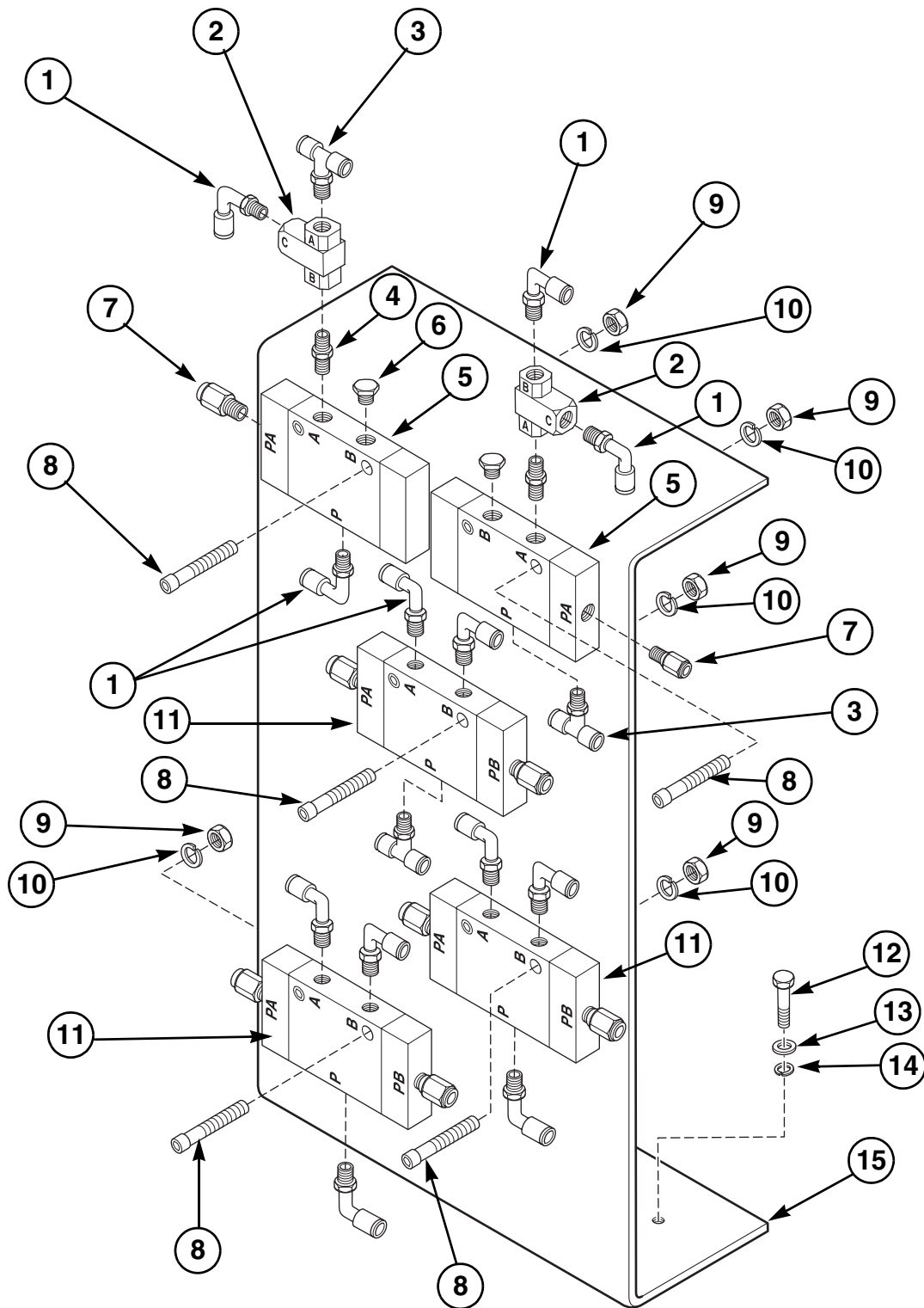
Frame Completing Parts

REF	PART NO.	DESCRIPTION	COMMENTS
	J1010-000745	Indexing Air Cylinder Suspension Kit	CTSB models
	J1010-000746	Indexing Air Cylinder Kit	CTDB models
	J1457308	Cylinder Repair Kit	Use with item 5
1	J1238518	Screw	2 required for CTSB models; 4 required for CTDB models
2	J1185073	Washer	2 required for CTSB models; 4 required for CTDB models
3	JC-80513	Washer	4 required for CTSB models; 8 required for CTDB models
4	J1612936	Indexing Plate	CTDB models
5	J1457290P	Air Cylinder Kit	
6	J1612944	Front Plate	
7	N/A	Front Cylinder Mounting Weldment	
8	70142	Nut	4 required for CTSB models; 8 required for CTDB models
9	M400013	Washer	2 required for CTSB models; 4 required for CTDB models
10	91202	Screw	2 required for CTSB models; 4 required for CTDB models
11	20274	Nut	CTDB models; 2 required
12	M400014	Washer	CTDB models; 2 required
13	JA-56790	Bumper Assembly	CTDB models; 2 required
14	JA-23959	Buck Stop Bumper	CTDB models; 2 required
15	J1626845	Shock Absorber Assembly	Refer to <i>Shock Absorber Assembly</i> section for parts breakdown
16	N/A	Rear Cylinder Mounting Weldment	
17	J200041100	Tube	2 required for CTSB models; 4 required for CTDB models
18	JA-23189	Rod Rail	2 required for CTSB models; 4 required for CTDB models
19	J200133500	Rail Slug Insert	4 required for CTSB models; 8 required for CTDB models
20	91200	Washer	4 required for CTSB models; 8 required for CTDB models
21	J1000850	Nut	4 required for CTSB models; 8 required for CTDB models
22	J1410026	Screw	2 required for CTSB models; 4 required for CTDB models
23	J1039676	Tapered Compression Spring	2 required for CTSB models; 4 required for CTDB models
24	J1611987	Indexing Shim	CTDB models; 2 required
25	20275	Nut	2 required for CTSB models; 4 required for CTDB models

N/A = Part no longer available

Vacuum Air Valve Assembly

Model CTDBV

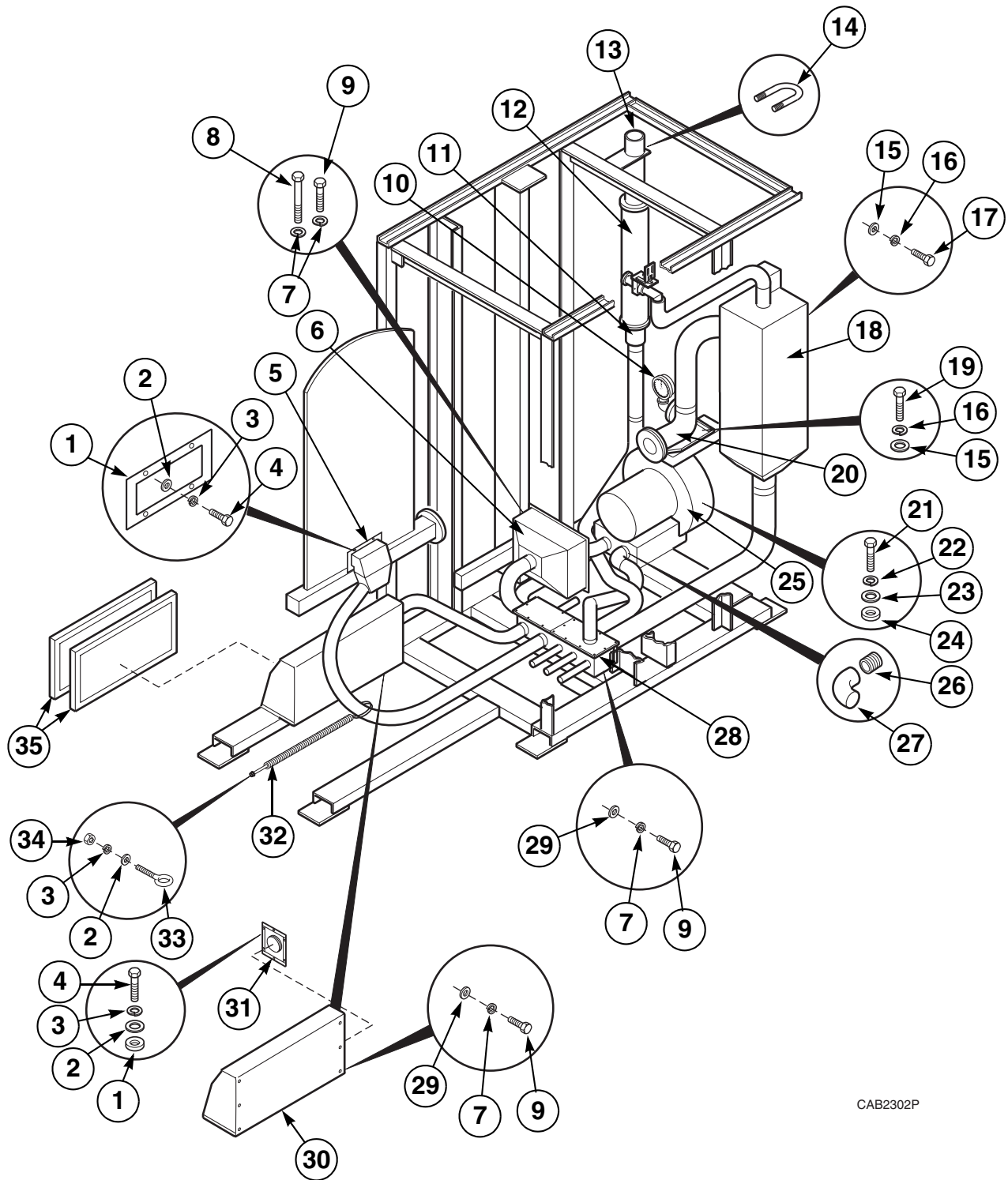


CAB2469P

Vacuum Air Valve Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1531078	Vacuum Air Valve Assembly	Includes items 1-11 and 15; Models starting August 1997
	J1548379	4-Way Valve Assembly	Single pilot; Includes items 5 and 7
	J1548361P	4-Way Valve Kit	Double pilot; Includes items 7 and 11
	J758P3	Double Air Pilot Valve Repair Kit	Use with J758P3 Double Air Pilot Valve Repair Kit; Models through August 1997
	J757P3	Double Air Pilot Valve Repair Kit	Includes fittings to adapt 1/4 NPT to 1/8 NPT
	J1103970-00	Tubing	Use as required
1	J1407741	Swivel Tubing Elbow	12 required
2	JA-53602	Shuttle Valve	2 required
3	J1437029	Quick Tubing Tee	4 required
4	J1232313	Pipe Nipple	3 required
5	J1548791	Single Air Piloted Valve	2 required; Models starting August 1997; Replaces J758P3 Double Air Pilot Valve Repair Kit
6	J1039858	Pipe Plug	2 required
7	F422101	Air Coupling	7 required
8	J1548353	Screw	10 required
9	JC-48125	Nut	10 required
10	JC-43265	Washer	10 required
11	J1548783	Double Air Piloted Valve	3 required; 4-way; Models starting August 1997
12	J1001726	Screw	2 required
13	J1185073	Washer	2 required
14	JC-80513	Washer	2 required
15	J1548429	Valve Mounting Bracket	

Low Pressure Air System – Model CTSBV (Drawing 1 of 2)

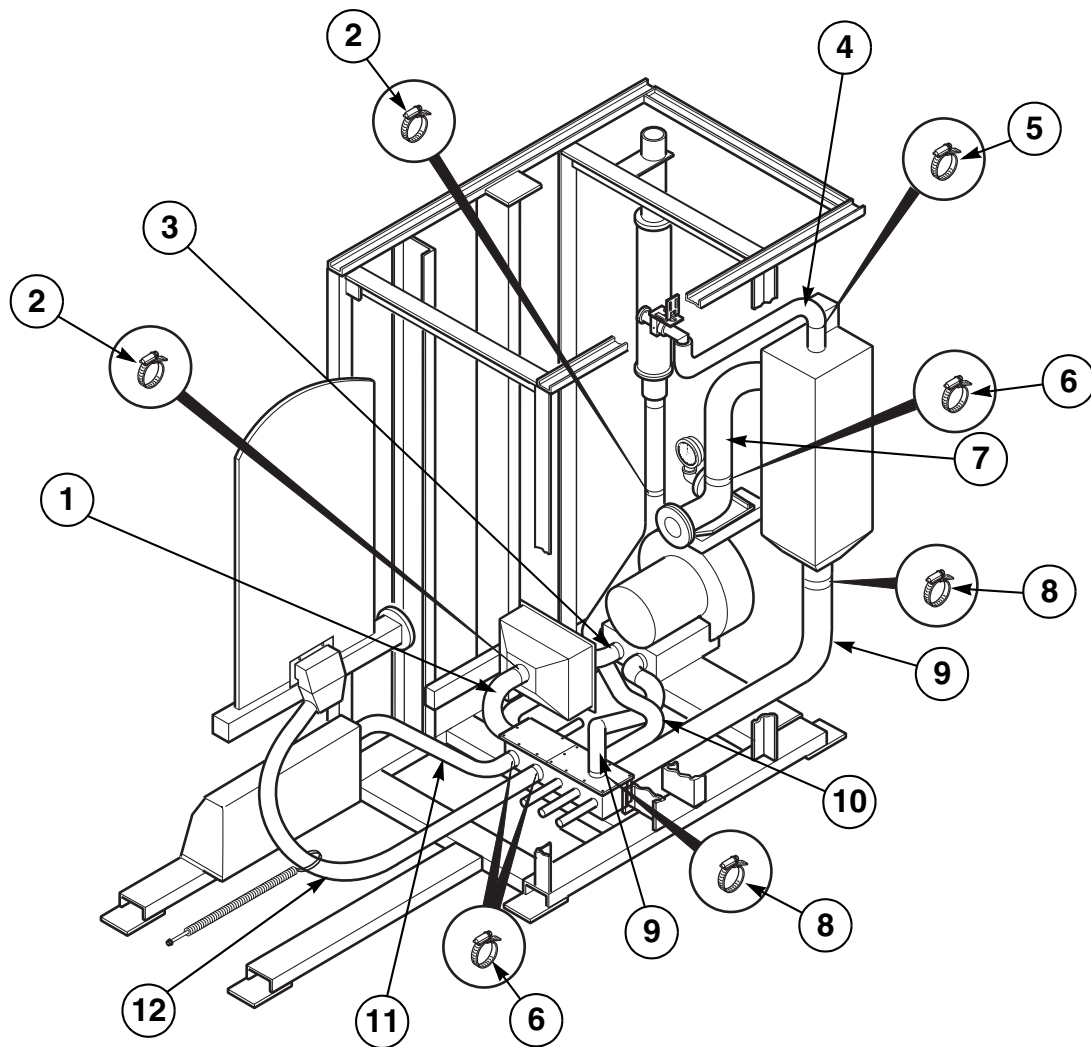


CAB2302P

Low Pressure Air System – Model CTSBV (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1398544	Pipe Nipple	
	JC-21541	Worm Gear Clamp	2 required
1	J1372937	Seal	
2	JC-80759	Washer	10 required
3	J1000975	Washer	10 required
4	JC-61269	Screw	10 required
5	J1479542	Front Vacuum Box Weldment	
6	J1475169	Filter Housing Assembly	Includes filter
7	J1185073	Washer	2 required
8	JC-63376	Screw	2 required
9	JA-53020	Screw	2 required
10	JA-51283	Diaphragm Gauge	5 psi; Use with discharge tube assembly
11	J1370543	Pipe Nipple	
12	J1370550	Pipe Nipple	
13	J1370691	Muffler	
14	J1351204	Bolt	U-bolt
15	M400080	Washer	2 required; Used to bolt heat exchanger to frame
16	M400013	Washer	2 required; Used to bolt heat exchanger to frame
17	M400057	Screw	2 required; Used to bolt heat exchanger to frame
18	J1525237	Heat Exchanger Assembly	Refer to <i>Heat Exchanger Assembly</i> section for parts breakdown
19	M400056	Screw	4 required
20	J1531003	Discharge Tube Assembly	Refer to <i>Discharge Tube Assembly</i> section for parts breakdown
21	J1122118	Screw	4 required
22	M400014	Washer	4 required
23	J1001304	Washer	4 required
24	JA-51527	Gasket	4 required; Mounted under blower; Rubber
25	J1567775	Blower	200 Volt/50 Hertz/3 Phase
	J0220243-00	Blower	220-480 Volt/50 or 60 Hertz/3 Phase
	J1567767	Blower	575 Volt/60 Hertz/3 Phase
26	J1438993	Nipple Weldment	
27	JC-28268	Street Pipe Elbow	
28	J1523711	Damper Box Assembly	Refer to <i>Damper Box Assembly</i> section for parts breakdown
29	JC-80513	Washer	8 required
30	J1475409	Filter Box Weldment	
31	J1475425	Filter Box Adapter Weldment	
32	JA-50949	Spring	
33	JA-51665	Hook	
34	J1000736	Nut	
35	JA-53679	Air Filter	2 required

Low Pressure Air System – Model CTSBV (Drawing 2 of 2)

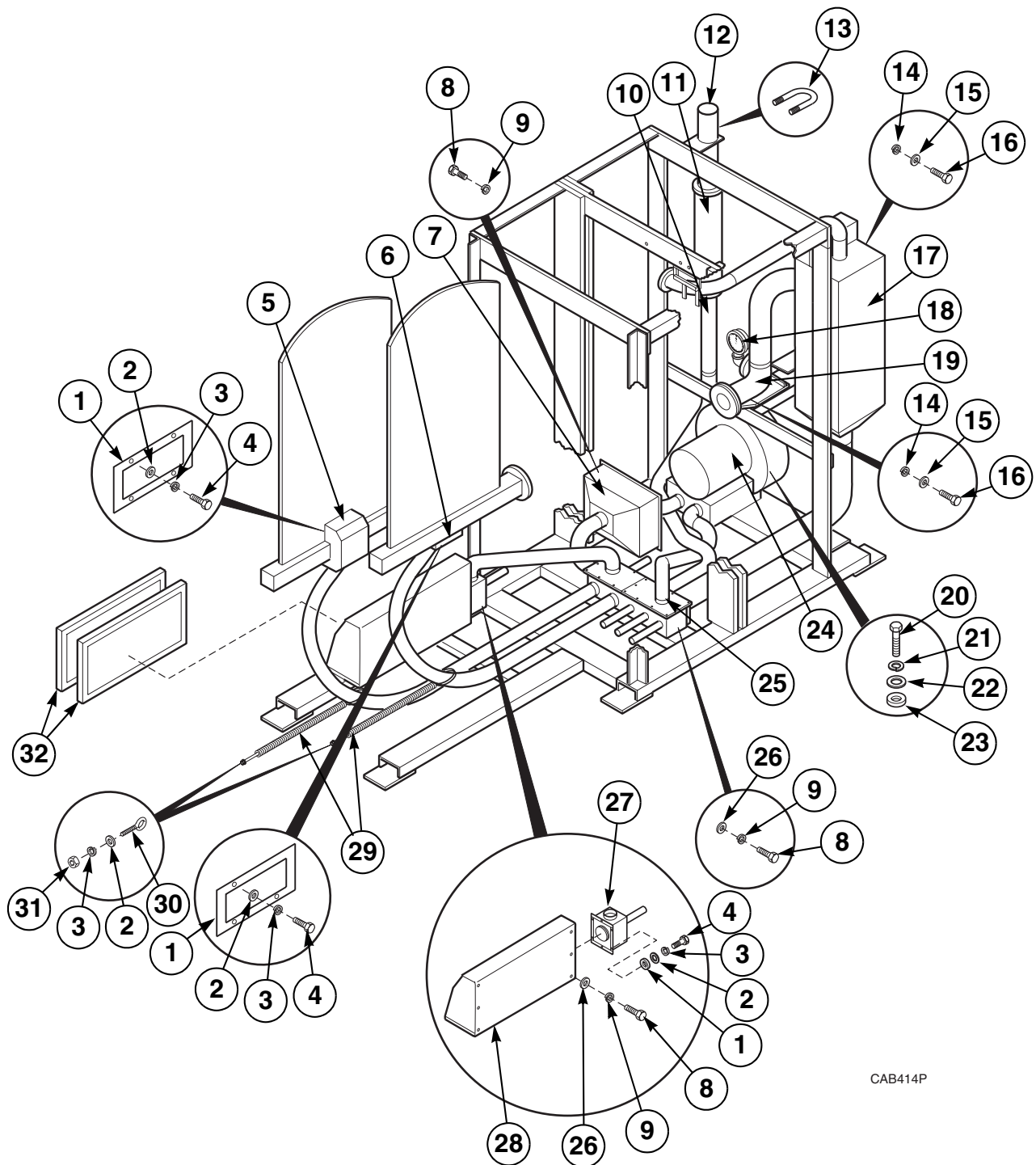


CAB2319P

Low Pressure Air System – Model CTSBV (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
1	J1476175P	Air Hose	2-1/2 inch diameter
2	JC-21522	Worm Gear Clamp	4 required
3	J1471671	Hose	2-1/2 inch diameter
4	J1394782	Hose	1-1/8 inch diameter
5	JC-21541	Worm Gear Clamp	2 required
6	20391	Hose Clamp	4 required
7	J1439157P	Hose	2 inch diameter; 2 required
8	J1156967	Worm Gear Clamp	10 required
9	JM-96005	Hose	3 inch diameter
10	J1439140P	Hose	3 inch diameter
11	J1477041P	Hose	2 inch diameter
12	J1564178	Hose	2 inch diameter

Low Pressure Air System – Model CTDBV (Drawing 1 of 2)

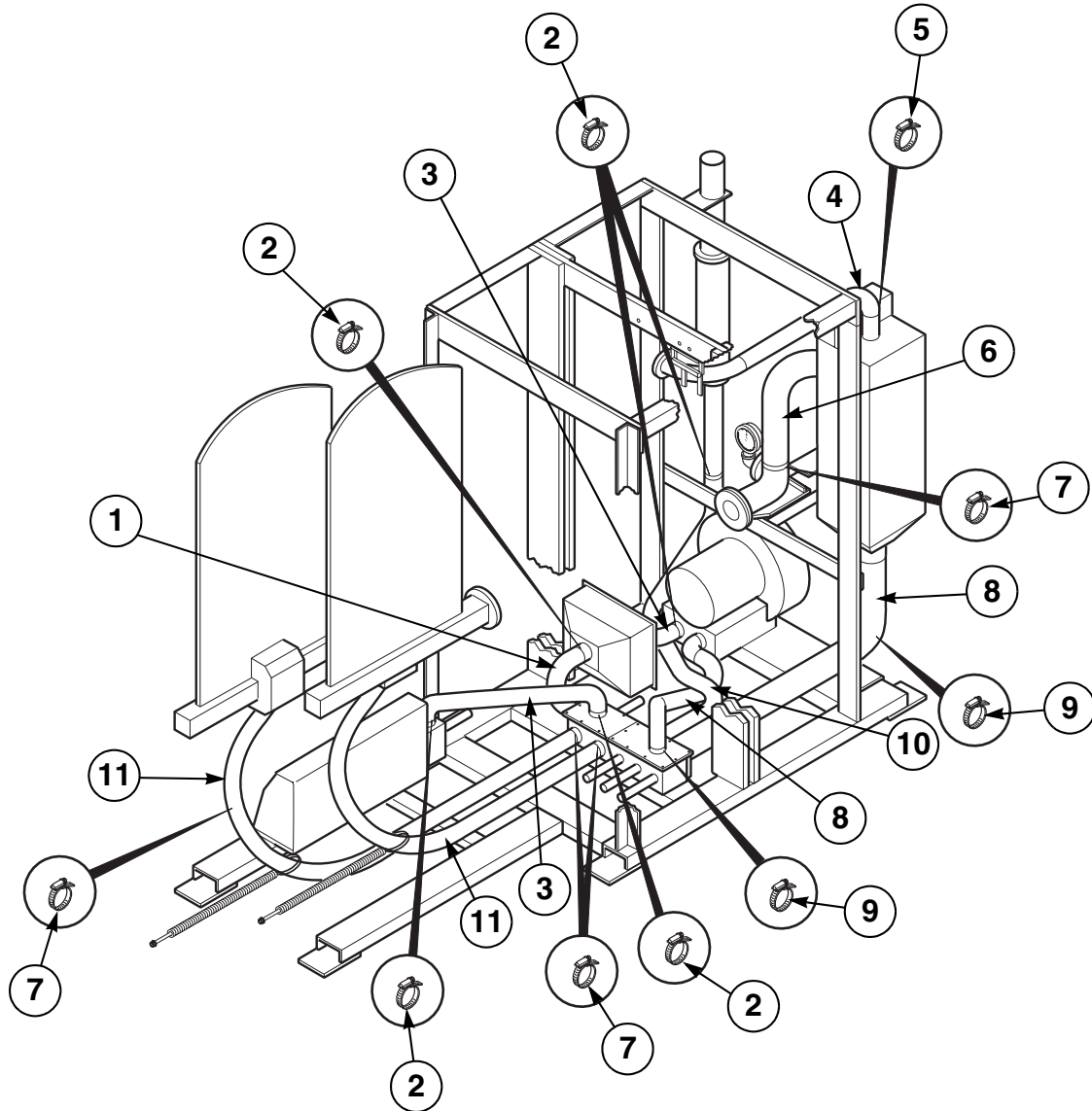


CAB414P

Low Pressure Air System – Model CTDBV (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1398544	Pipe Nipple	Use with blower
	J1438993	Nipple Weldment	Use with blower
	JC-28268	Street Pipe Elbow	Use with blower
1	J1372937	Seal	
2	JC-80759	Washer	12 required
3	J1000975	Washer	12 required
4	JC-61269	Screw	12 required
5	J1479559	Rear Vacuum Box Weldment	
6	J1479542	Front Vacuum Box Weldment	
7	J1475169	Filter Housing Assembly	Includes filter
8	JA-53020	Screw	6 required
9	J1185073	Washer	6 required
10	J1370543	Pipe Nipple	
11	J1370550	Pipe Nipple	
12	J1370691	Muffler	
13	J1351204	Bolt	U-bolt
14	M400013	Washer	2 required
15	M400080	Washer	2 required
16	M400057	Screw	2 required
17	J1525237	Heat Exchanger Assembly	Refer to <i>Heat Exchanger Assembly</i> section for parts breakdown
18	JA-51283	Diaphragm Gauge	5 psi
19	J1523927	Discharge Tube Assembly	Refer to <i>Discharge Tube Assembly</i> section for parts breakdown
20	J1122118	Screw	4 required
21	M400014	Washer	4 required
22	J1001304	Washer	4 required
23	JA-51527	Gasket	Rubber; 4 required
24	J1567775	Blower	200 Volt/50 Hertz/3 Phase
	J0220243-00	Blower	220-480 Volt/50 or 60 Hertz/3 Phase
	J1567767	Blower	575 Volt/60 Hertz/3 Phase
25	J1521079	Damper Box Assembly	Refer to <i>Damper Box Assembly</i> section for parts breakdown
26	JC-80513	Washer	6 required
27	J1479484	Filter Box Damper Assembly	Refer to <i>Filter Box Damper Assembly</i> section for parts breakdown
28	J1475409	Filter Box Weldment	
29	JA-50949	Spring	2 required
30	JA-51665	Hook	2 required
31	J1000736	Nut	2 required
32	JA-53679	Air Filter	2 required

Low Pressure Air System – Model CTDBV (Drawing 2 of 2)

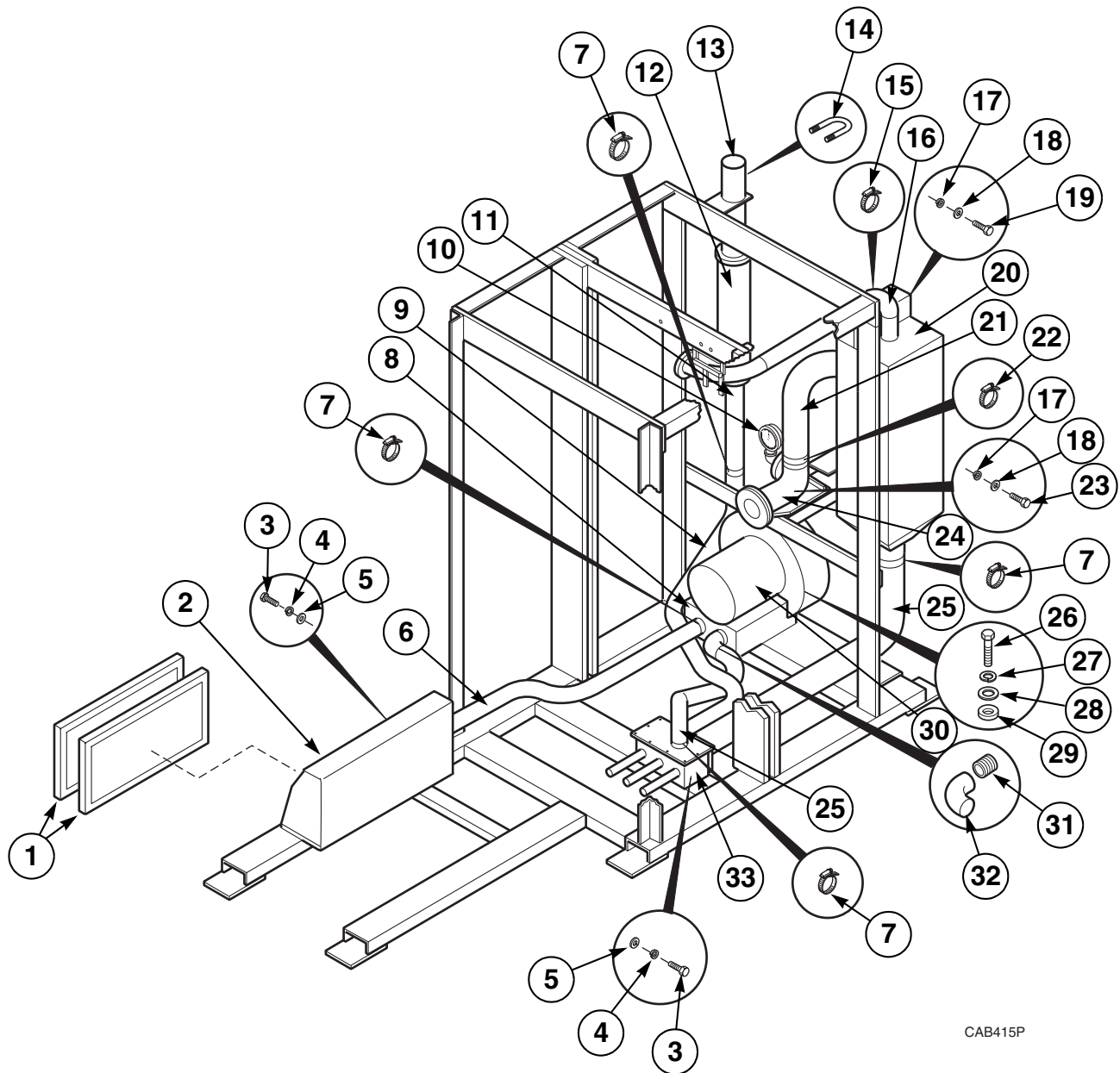


CAB2320P

Low Pressure Air System – Model CTDBV (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
1	J1476175P	Air Hose	2-1/2 inch diameter
2	JC-21522	Worm Gear Clamp	6 required
3	J1471671	Hose	2-1/2 inch diameter
4	J1394782	Hose	1-1/8 inch diameter
5	JC-21541	Worm Gear Clamp	2 required
6	J1439157P	Hose	2 inch diameter
7	20391	Hose Clamp	6 required
8	JM-96005	Hose	3 inch diameter
9	J1156967	Worm Gear Clamp	4 required
10	J1439140P	Hose	2-1/2 inch diameter
11	J1564178	Hose	2 inch diameter

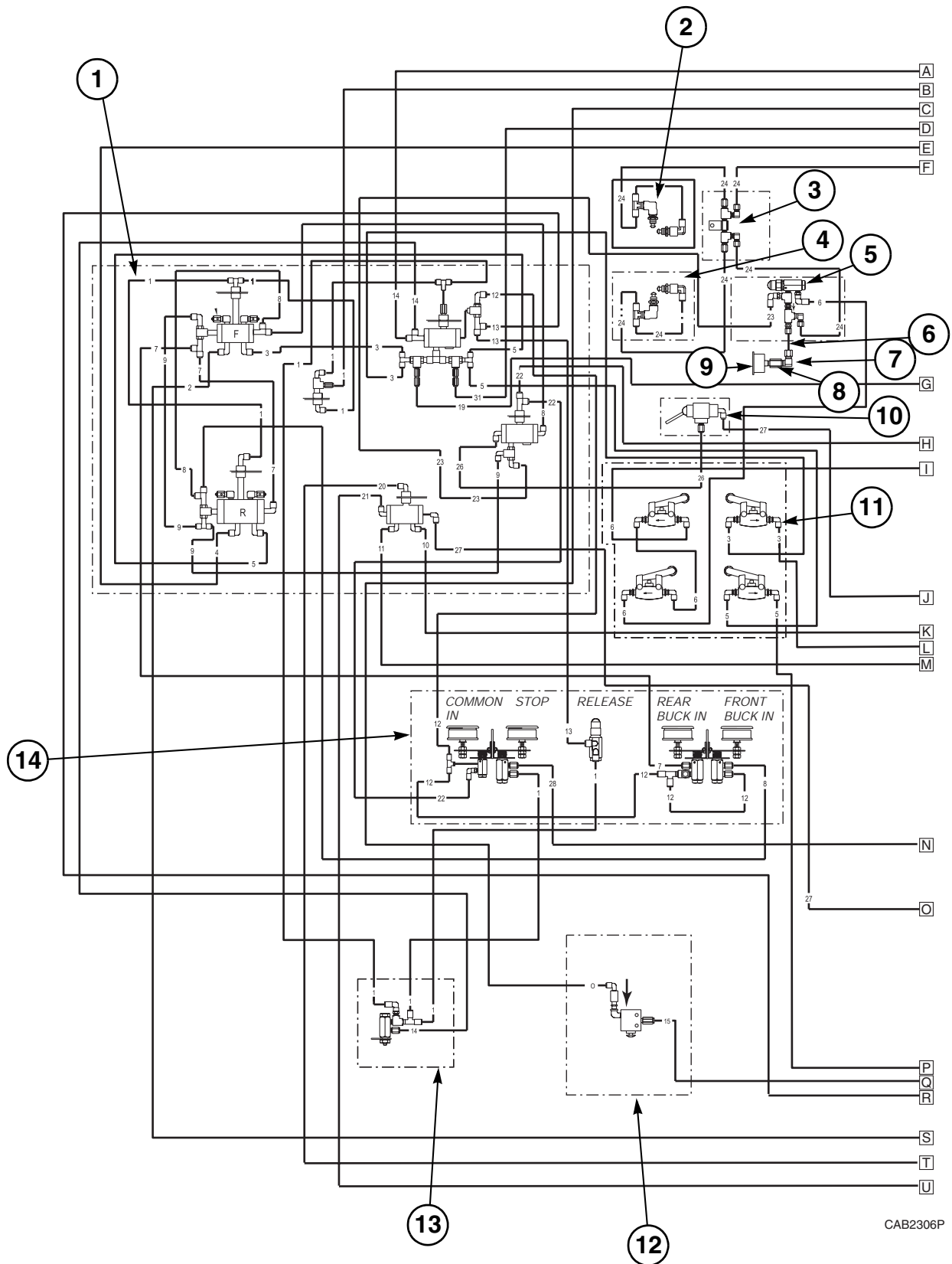
Low Pressure Air System – Models CTSBT and CTDBT



Low Pressure Air System – Models CTSBT and CTDBT

REF	PART NO.	DESCRIPTION	COMMENTS
1	JA-53679	Air Filter	2 required
2	J1439025	Filter Box Weldment	
3	JA-53020	Screw	2 required
4	J1185073	Washer	2 required
5	JC-80513	Washer	8 required
6	J1471671	Hose	2-1/2 inch diameter
7	J1156967	Worm Gear Clamp	4 required
8	J1398544	Pipe Nipple	
9	J1439140P	Hose	2-1/2 inch diameter
10	JA-51283	Diaphragm Gauge	5 psi
11	J1370543	Pipe Nipple	
12	J1370550	Pipe Nipple	Use with item 14
13	J1370691	Muffler	
14	J1351204	Bolt	U-bolt
15	JC-21541	Worm Gear Clamp	2 required
16	J1394782	Hose	1-1/8 inch diameter
17	M400013	Washer	2 required
18	M400080	Washer	2 required
19	M400057	Screw	2 required
20	J1525237	Heat Exchanger Assembly	Refer to <i>Heat Exchanger Assembly</i> section for parts breakdown
21	J1439157P	Hose	2 inch diameter
22	20391	Hose Clamp	2 required
23	M400056	Screw	4 required
24	J1523927	Discharge Tube Assembly	Refer to <i>Discharge Tube Assembly</i> section for parts breakdown
25	JM-96005	Hose	3 inch diameter
26	J1122118	Screw	4 required
27	M400014	Washer	4 required
28	J1001304	Washer	4 required
29	JA-51527	Gasket	Rubber; 4 required
30	J1567775	Blower	200 Volt/50 Hertz/3 Phase
	J0220243-00	Blower	220-480 Volt/50 or 60 Hertz/3 Phase
	J1567767	Blower	575 Volt/60 Hertz/3 Phase
31	J1438993	Nipple Weldment	
32	JC-28268	Street Pipe Elbow	
33	J1522440	Damper Box Assembly	Refer to <i>Damper Box Assembly</i> section for parts breakdown

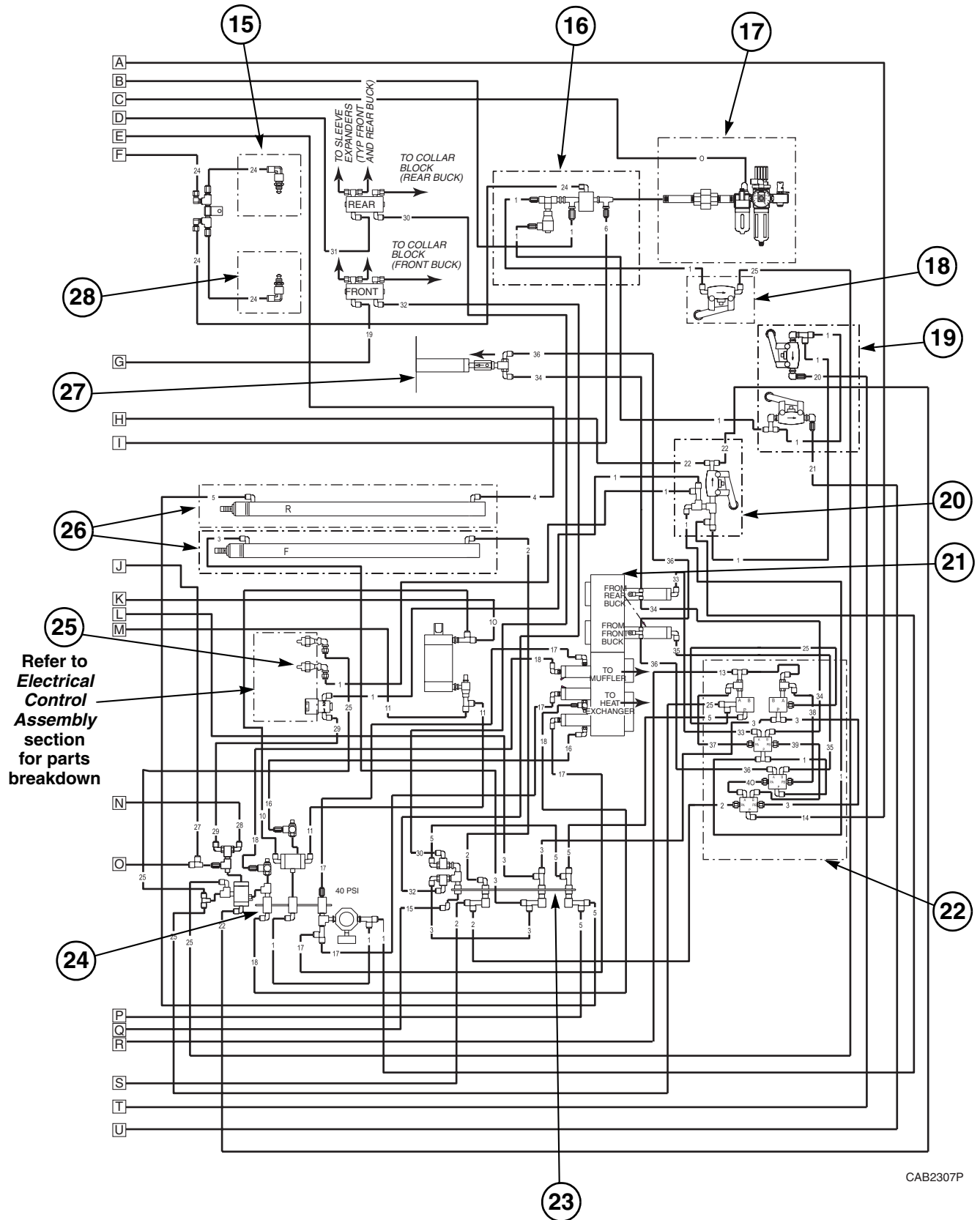
Air System – Model CTDBV (Drawing 1 of 2)



Air System – Model CTDBV (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
1	J1523786	Operating Valve Assembly	Refer to <i>Operating Valve Assembly</i> section for parts breakdown
2	J1571058	Rear Left Safety Bar Bracket Assembly	Refer to <i>Rear Left Safety Bar Bracket Assembly</i> section for parts breakdown
3	J1523844	Bracket and Fittings Assembly	2 required; Refer to <i>Bracket and Fittings Assembly</i> section for parts breakdown
4	J1571041	Front Left Safety Bar Bracket Assembly	Refer to <i>Front Left Safety Bar Bracket Assembly</i> section for parts breakdown
5	J1583103	Reset Valve Assembly	Refer to <i>Reset Valve Assembly</i> section for parts breakdown
6	J1106699	Tubing	Copper
7	JA-50770	Male Compression Elbow	
8	J1018571	Pipe Coupling	
9	J200128200	Pressure Gauge	0-100 psi
10	J1505411	Toggle Valve	
11	J1523976	Roller Valve Assembly	4 required; Refer to <i>Roller Valve Assembly</i> section for parts breakdown
12	J1485010	Valve Assembly	Refer to <i>Valve Assembly</i> section for parts breakdown
13	J1484682	Pedal Base and Valve Assembly	Refer to <i>Pedal Base and Valve Assembly</i> section for parts breakdown
14	J1521095	Operation Control Assembly	Refer to <i>Operation Control Assembly</i> section for parts breakdown

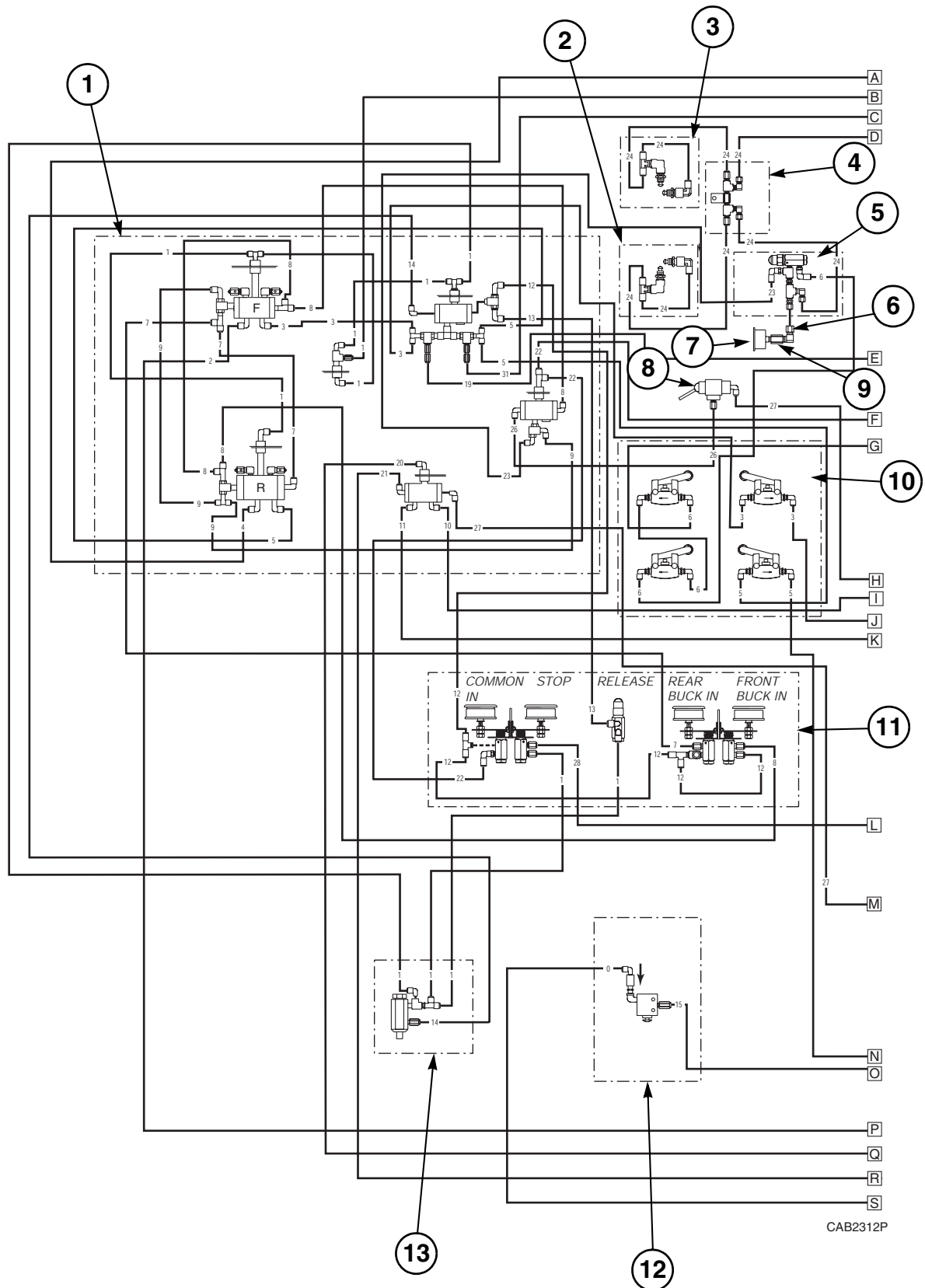
Air System – Model CTDBV (Drawing 2 of 2)



Air System – Model CTDBV (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
15	J1521947	Left Safety Valve Assembly	Refer to <i>Left Safety Valve Assembly</i> section for parts breakdown
16	J1523794	Internal Air Inlet Assembly	Refer to <i>Internal Air Inlet Assembly</i> section for parts breakdown
17	J1484245	External Air Inlet Assembly	Refer to <i>External Air Inlet Assembly</i> section for parts breakdown
18	J1526920	Rear Roller Assembly	Refer to <i>Rear Roller Assembly</i> section for parts breakdown
19	J1523927	Discharge Tube Assembly	Refer to <i>Discharge Tube Assembly</i> section for parts breakdown
20	J1523935	Roller Valve Assembly	Refer to <i>Front Head Open Roller Valve Assembly</i> section for parts breakdown
21	J1521079	Damper Box Assembly	Refer to <i>Damper Box Assembly</i> section for parts breakdown
22	J1531078	Vacuum Air Valve Assembly	Refer to <i>Vacuum Air Valve Assembly</i> section for parts breakdown
23	J1523885	Bracket and Fittings Assembly	Refer to <i>Bracket and Fittings Assembly</i> section for parts breakdown
24	J1531839	Bracket and Fittings Assembly	Refer to <i>Bracket and Fittings Assembly</i> section for parts breakdown
25	J1364181	Pressure Switch	2 required
26	J1457290P	Air Cylinder Kit	2 required
27	J1479484	Filter Box Damper Assembly	Refer to <i>Filter Box Damper Assembly</i> section for parts breakdown
28	J1521954	Front Safety Valve Assembly	Refer to <i>Front Safety Valve Assembly</i> section for parts breakdown

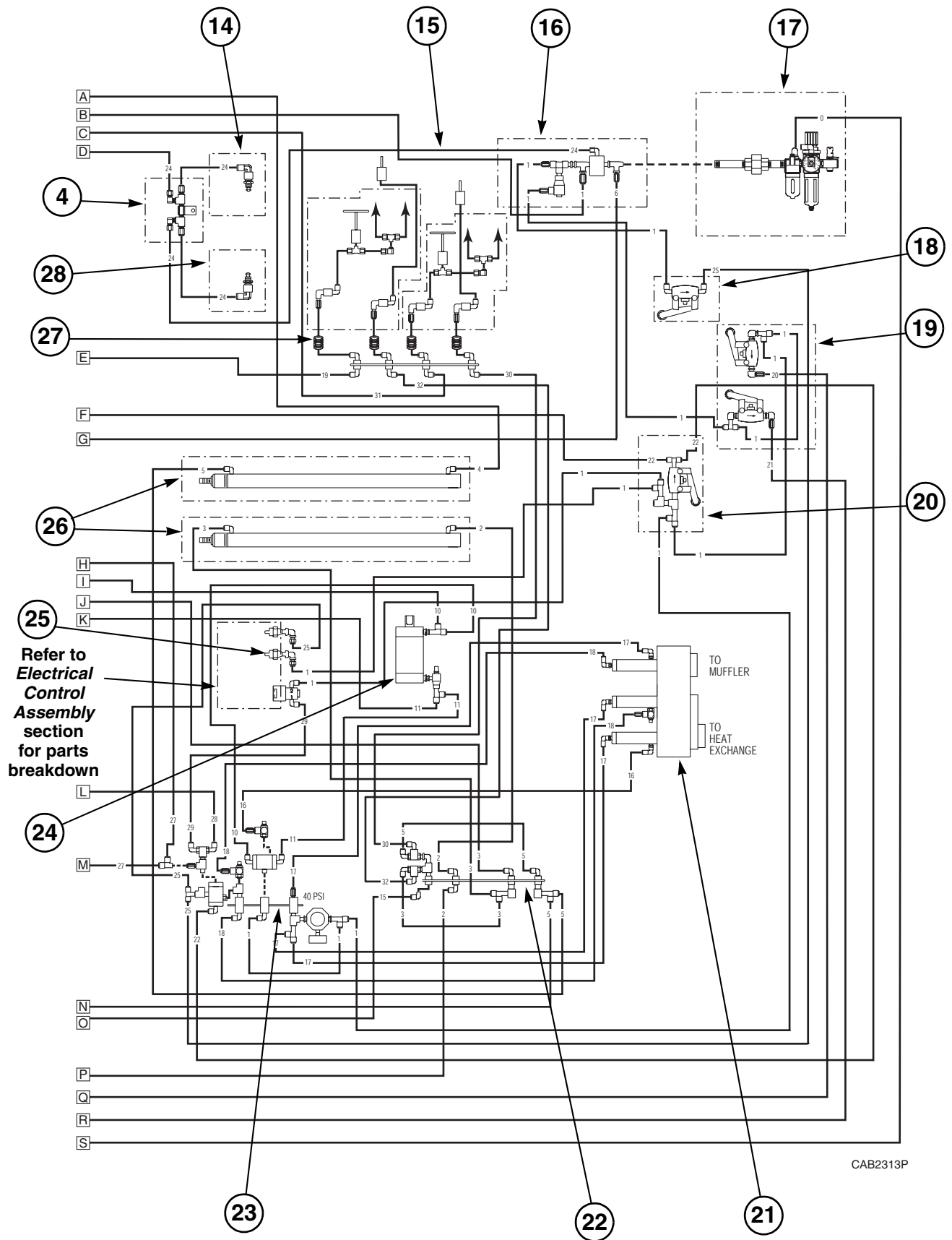
Air System – Model CTDBT (Drawing 1 of 2)



Air System – Model CTDBT (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
1	J1523786	Operating Valve Assembly	Refer to <i>Operating Valve Assembly</i> section for parts breakdown
2	J1571041	Front Left Safety Bar Bracket Assembly	Refer to <i>Front Left Safety Bar Bracket Assembly</i> section for parts breakdown
3	J1571058	Rear Left Safety Bar Bracket Assembly	Refer to <i>Rear Left Safety Bar Bracket Assembly</i> section for parts breakdown
4	J1523844	Bracket and Fittings Assembly	2 required; Refer to <i>Bracket and Fittings Assembly</i> section for parts breakdown
5	J1583103	Reset Valve Assembly	Refer to <i>Reset Valve Assembly</i> section for parts breakdown
6	JA-50770	Male Compression Elbow	
7	J200128200	Pressure Gauge	0-100 psi
8	J1505411	Toggle Valve	
9	J1018571	Pipe Coupling	
10	J1523976	Roller Valve Assembly	4 required; Refer to <i>Roller Valve Assembly</i> section for parts breakdown
11	J1521095	Operation Control Assembly	Refer to <i>Operation Control Assembly</i> section for parts breakdown
12	J1485010	Valve Assembly	Refer to <i>Valve Assembly</i> section for parts breakdown
13	J1484682	Pedal Base and Valve Assembly	Refer to <i>Pedal Base and Valve Assembly</i> section for parts breakdown

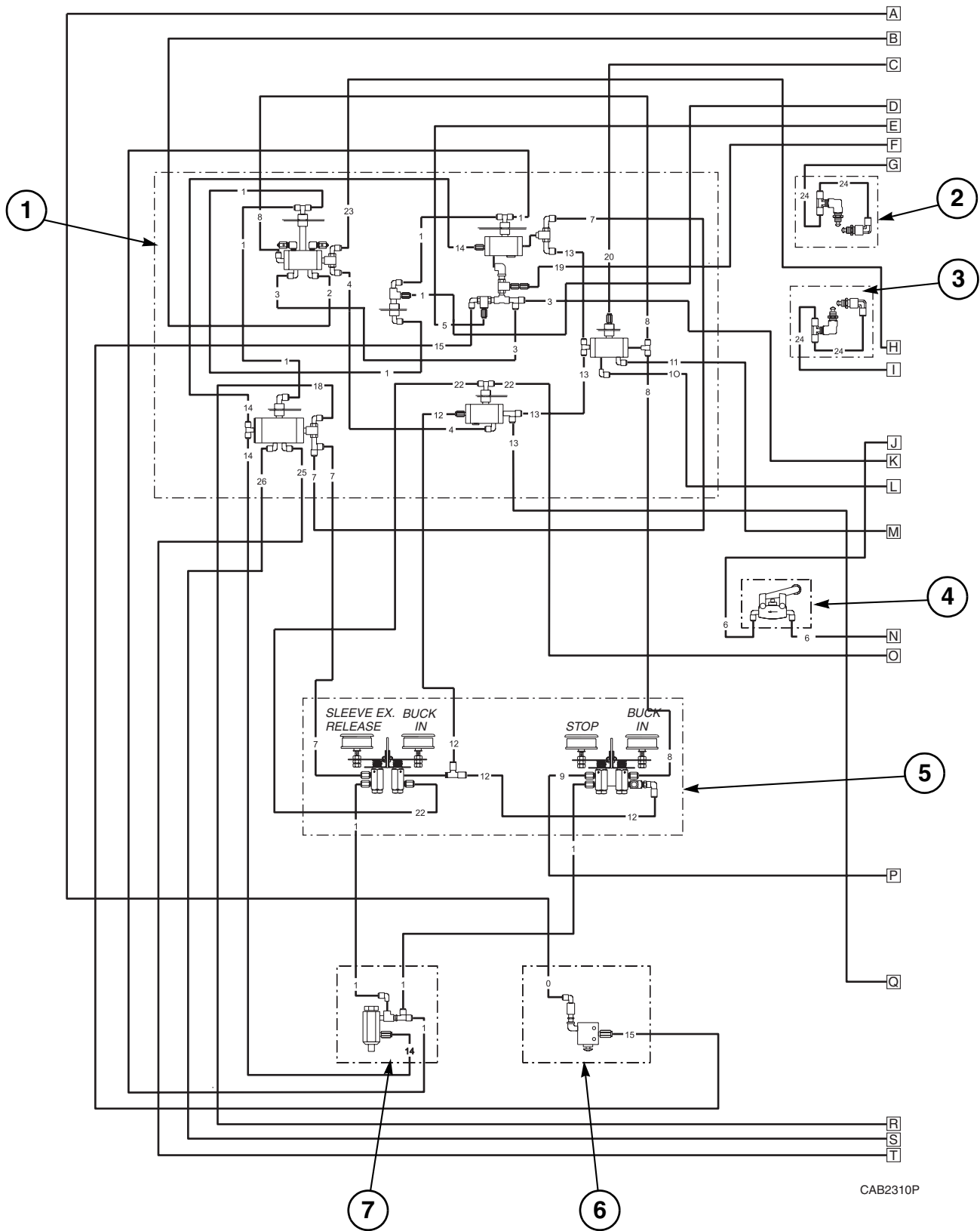
Air System – Model CTDBT (Drawing 2 of 2)



Air System – Model CTDBT (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
14	J1571041	Front Left Safety Bar Bracket Assembly	Refer to <i>Front Left Safety Bar Bracket Assembly</i> section for parts breakdown
15	J1106699	Tubing	Copper
16	J1523794	Internal Air Inlet Assembly	Refer to <i>Internal Air Inlet Assembly</i> section for parts breakdown
17	J1484245	External Air Inlet Assembly	Refer to <i>External Air Inlet Assembly</i> section for parts breakdown
18	J1526920	Rear Roller Assembly	Refer to <i>Rear Roller Assembly</i> section for parts breakdown
19	J1523927	Discharge Tube Assembly	Refer to <i>Discharge Tube Assembly</i> section for parts breakdown
20	J1523935	Roller Valve Assembly	Refer to <i>Front Head Open Roller Valve Assembly</i> section for parts breakdown
21	J1522440	Damper Box Assembly	Refer to <i>Damper Box Assembly</i> section for parts breakdown
22	J1525252	Bracket and Fittings Assembly	Refer to <i>Bracket and Fittings Assembly</i> section for parts breakdown
23	J1531839	Bracket and Fittings Assembly	Refer to <i>Bracket and Fittings Assembly</i> section for parts breakdown
24	J1523984	Front Head Cylinder Assembly	Refer to <i>Front Head Cylinder Assembly</i> section for parts breakdown
25	J1364181	Pressure Switch	2 required
26	J1457290P	Air Cylinder Kit	2 required
27	J1492693	Air Hose	4 required
28	J1521954	Front Safety Valve Assembly	Refer to <i>Front Safety Valve Assembly</i> section for parts breakdown

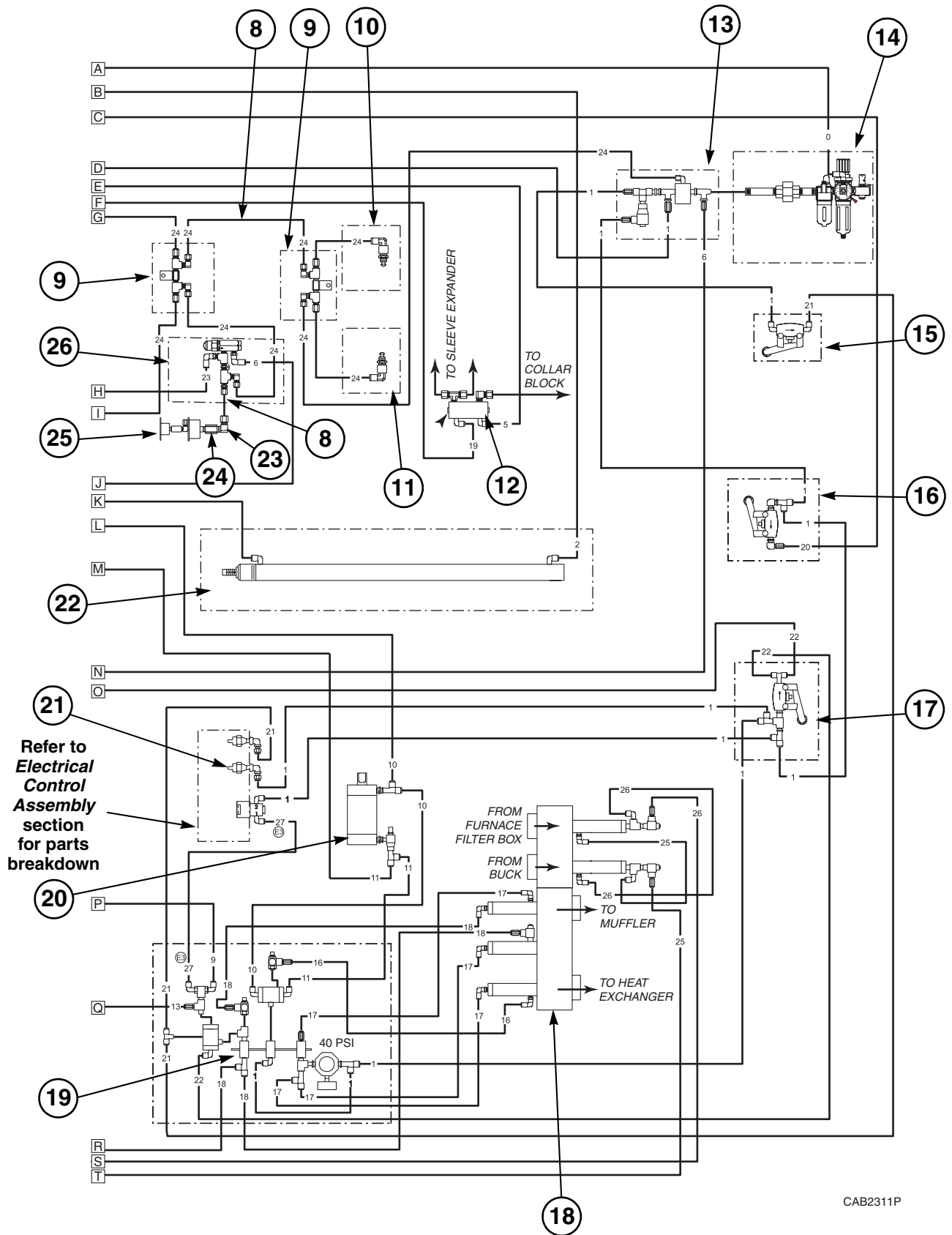
Air System – Model CTSBV (Drawing 1 of 2)



Air System – Model CTSBV (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
1	J1525211	Valve Assembly	Refer to <i>Operating Valve Assembly</i> section for parts breakdown
2	J1571058	Rear Left Safety Bar Bracket Assembly	Refer to <i>Rear Left Safety Bar Bracket Assembly</i> section for parts breakdown
3	J1571041	Front Left Safety Bar Bracket Assembly	Refer to <i>Front Left Safety Bar Bracket Assembly</i> section for parts breakdown
4	J1523976	Roller Valve Assembly	4 required; Refer to <i>Roller Valve Assembly</i> section for parts breakdown
5	J1525203	Operation Control Assembly	Refer to <i>Operation Control Assembly</i> section for parts breakdown
6	J1485010	Valve Assembly	Refer to <i>Valve Assembly</i> section for parts breakdown
7	J1484682	Pedal Base and Valve Assembly	Refer to <i>Pedal Base and Valve Assembly</i> section for parts breakdown

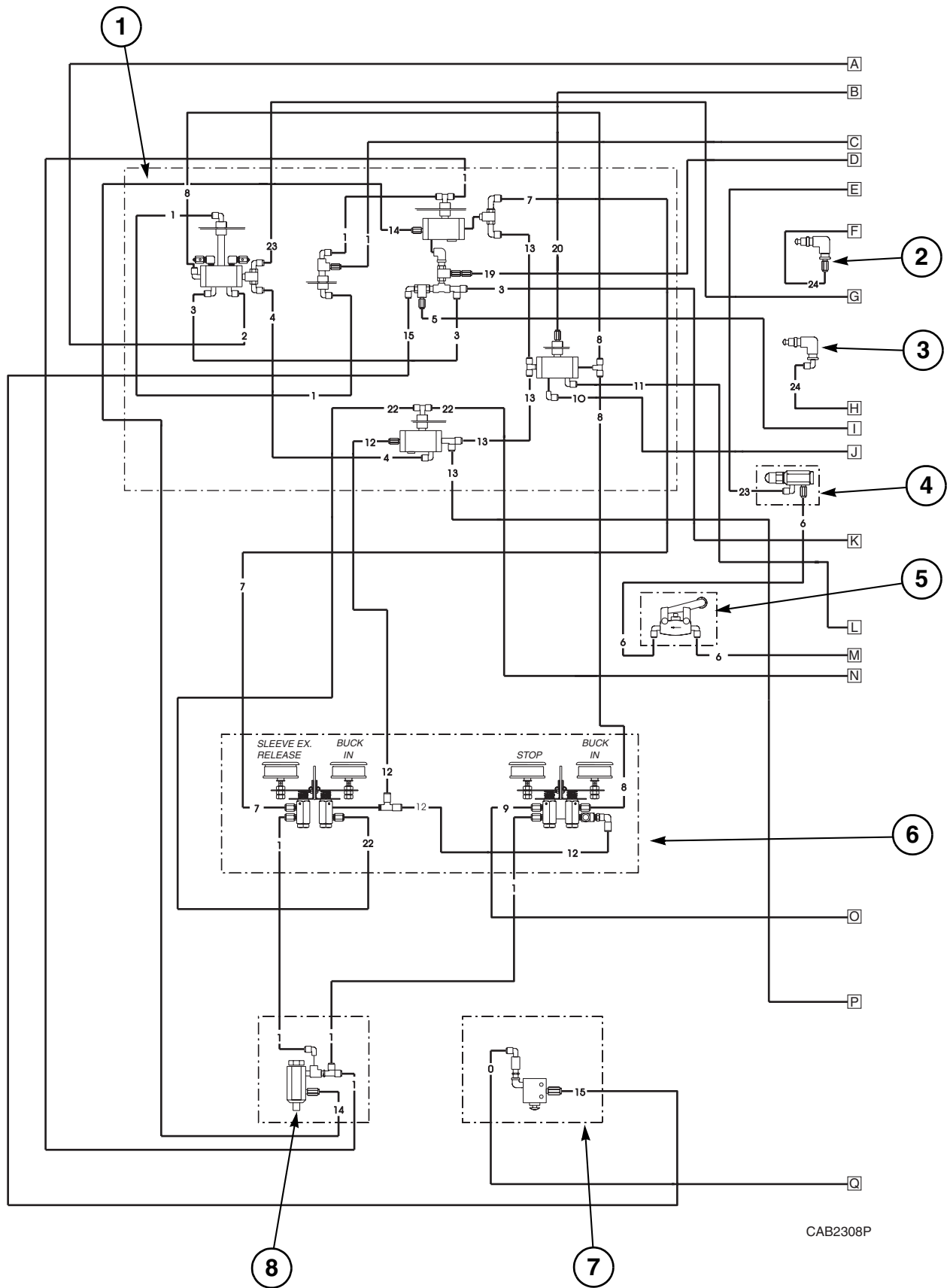
Air System – Model CTSBV (Drawing 2 of 2)



Air System – Model CTSBV (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
8	J1106699	Tubing	Copper
9	J1523844	Bracket and Fittings Assembly	2 required; Refer to <i>Bracket and Fittings Assembly</i> section for parts breakdown
10	J1521947	Left Safety Valve Assembly	Refer to <i>Left Safety Valve Assembly</i> section for parts breakdown
11	J1571041	Front Left Safety Bar Bracket Assembly	Refer to <i>Front Left Safety Bar Bracket Assembly</i> section for parts breakdown
12	J1473156	Air Manifold Assembly	Refer to <i>Air Manifold Assembly</i> section for parts breakdown
13	J1523794	Internal Air Inlet Assembly	Refer to <i>Internal Air Inlet Assembly</i> section for parts breakdown
14	J1484245	External Air Inlet Assembly	Refer to <i>External Air Inlet Assembly</i> section for parts breakdown
15	J1526920	Rear Roller Assembly	Refer to <i>Rear Roller Assembly</i> section for parts breakdown
16	J1531003	Discharge Tube Assembly	Refer to <i>Discharge Tube Assembly</i> section for parts breakdown
17	J1534064	Head Open Valve Assembly	
18	J1523711	Damper Box Assembly	Refer to <i>Damper Box Assembly</i> section for parts breakdown
19	J1525260	Bracket and Fittings Assembly	Refer to <i>Bracket and Fittings Assembly</i> section for parts breakdown
20	J1523984	Front Head Cylinder Assembly	Refer to <i>Front Head Cylinder Assembly</i> section for parts breakdown
21	J1364181	Pressure Switch	2 required
22	J1457290P	Air Cylinder Kit	2 required
23	JA-50770	Male Compression Elbow	
24	J1018571	Pipe Coupling	
25	J200128200	Pressure Gauge	0-100 psi
26	J1583103	Reset Valve Assembly	Refer to <i>Reset Valve Assembly</i> section for parts breakdown

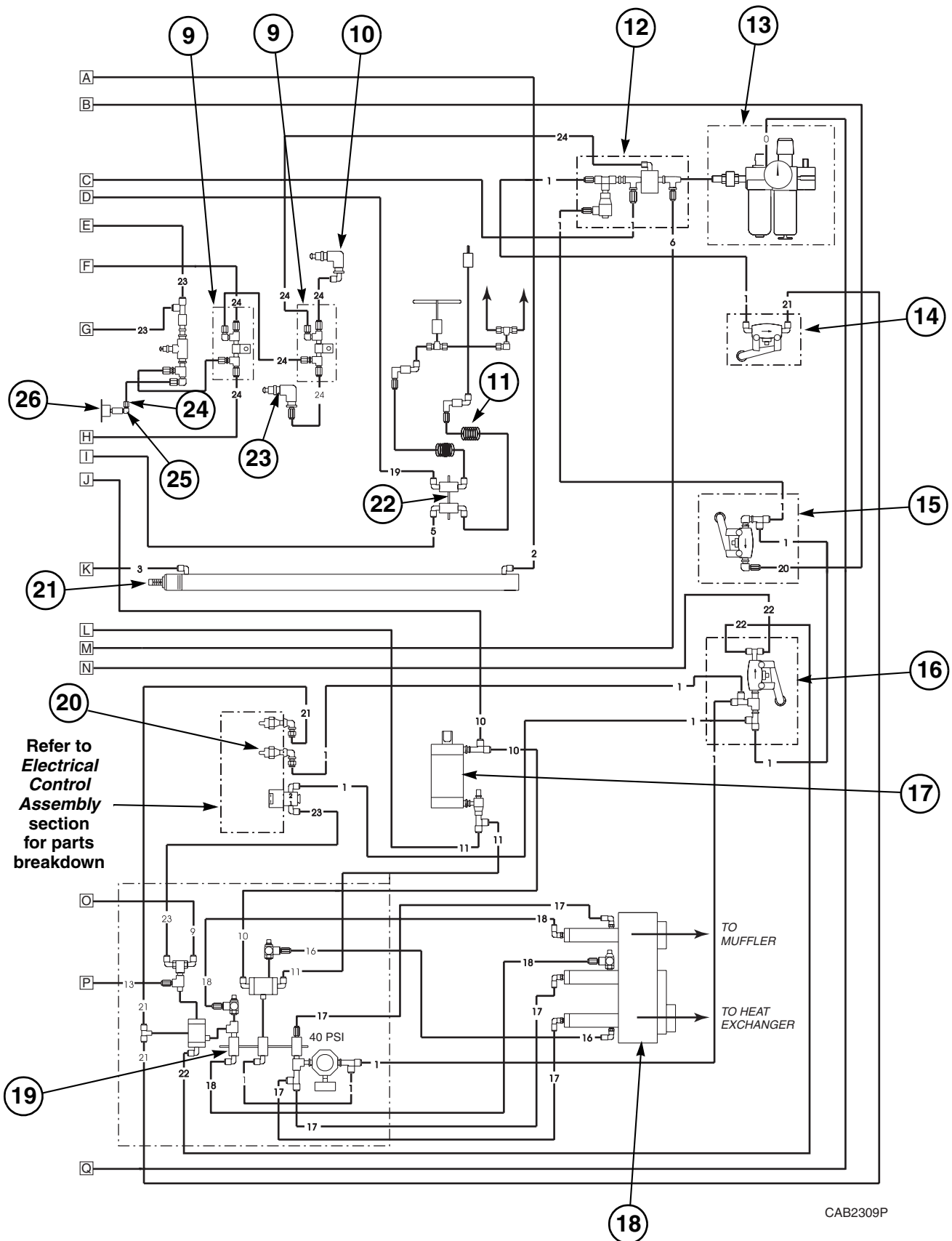
Air System – Model CTSBT (Drawing 1 of 2)



Air System – Model CTSBT (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
1	J1525229	Valve Assembly	Refer to <i>Valve Assembly</i> section for parts breakdown
2	J1571058	Rear Left Safety Bar Bracket Assembly	Refer to <i>Rear Left Safety Bar Bracket Assembly</i> section for parts breakdown
3	J1571041	Front Left Safety Bar Bracket Assembly	Refer to <i>Front Left Safety Bar Bracket Assembly</i> section for parts breakdown
4	J1583103	Reset Valve Assembly	Refer to <i>Reset Valve Assembly</i> section for parts breakdown
5	J1523976	Roller Valve Assembly	4 required; Refer to <i>Roller Valve Assembly</i> section for parts breakdown
6	J1525203	Operation Control Assembly	Refer to <i>Operation Control Assembly</i> section for parts breakdown
7	J1485010	Valve Assembly	Refer to <i>Valve Assembly</i> section for parts breakdown
8	J1484682	Pedal Base and Valve Assembly	Refer to <i>Pedal Base and Valve Assembly</i> section for parts breakdown

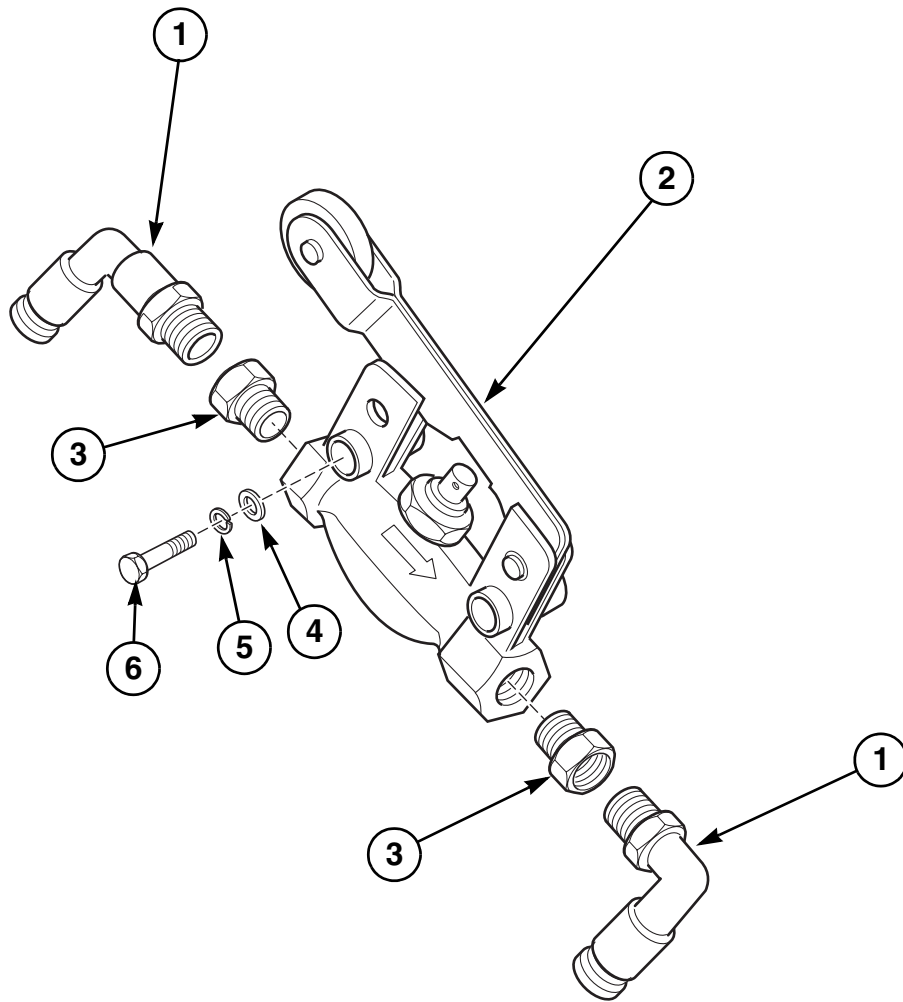
Air System – Model CTSBT (Drawing 2 of 2)



Air System – Model CTSBT (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
9	J1523844	Bracket and Fittings Assembly	2 required; Refer to <i>Bracket and Fittings Assembly</i> section for parts breakdown
10	J1521947	Left Safety Valve Assembly	Refer to <i>Left Safety Valve Assembly</i> section for parts breakdown
11	J1492693	Air Hose	
12	J1523794	Internal Air Inlet Assembly	Refer to <i>Internal Air Inlet Assembly</i> section for parts breakdown
13	J1484245	External Air Inlet Assembly	Refer to <i>External Air Inlet Assembly</i> section for parts breakdown
14	J1526920	Rear Roller Assembly	Refer to <i>Rear Roller Assembly</i> section for parts breakdown
15	J1531003	Discharge Tube Assembly	Refer to <i>Discharge Tube Assembly</i> section for parts breakdown
16	J1534064	Head Open Valve Assembly	
17	J1523984	Front Head Cylinder Assembly	Refer to <i>Front Head Cylinder Assembly</i> section for parts breakdown
18	J1522440	Damper Box Assembly	Refer to <i>Damper Box Assembly</i> section for parts breakdown
19	J1525260	Bracket and Fittings Assembly	Refer to <i>Bracket and Fittings Assembly</i> section for parts breakdown
20	J1364181	Pressure Switch	2 required
21	J1457290P	Air Cylinder Kit	2 required
22	J1488824	Bracket and Fittings Assembly	
23	J1521954	Front Safety Valve Assembly	Refer to <i>Front Safety Valve Assembly</i> section for parts breakdown
24	JA-50770	Male Compression Elbow	
25	J1018571	Pipe Coupling	
26	J200128200	Pressure Gauge	0-100 psi

Roller Valve Assembly

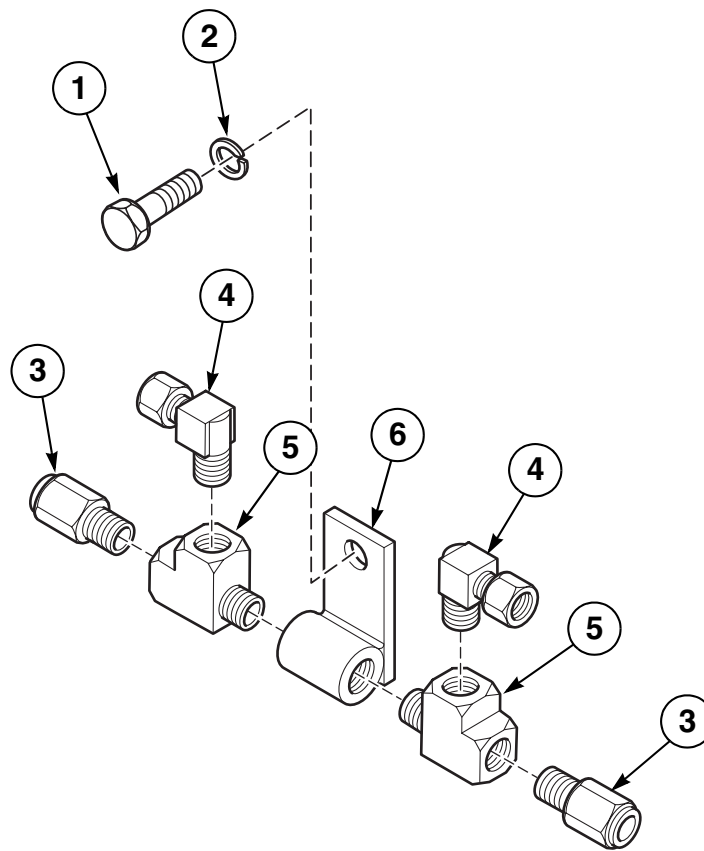


CAB2470P

Roller Valve Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1523976	Roller Valve Assembly	Includes items 1-3
1	J1407741	Swivel Tubing Elbow	2 required
2	JA-53892	3-Way Air Roller Valve	3-way
3	JC-19609	Reducing Bushing	2 required
4	JC-80513	Washer	2 required
5	J1185073	Washer	2 required
6	JC-63116	Screw	2 required

Bracket and Fittings Assembly

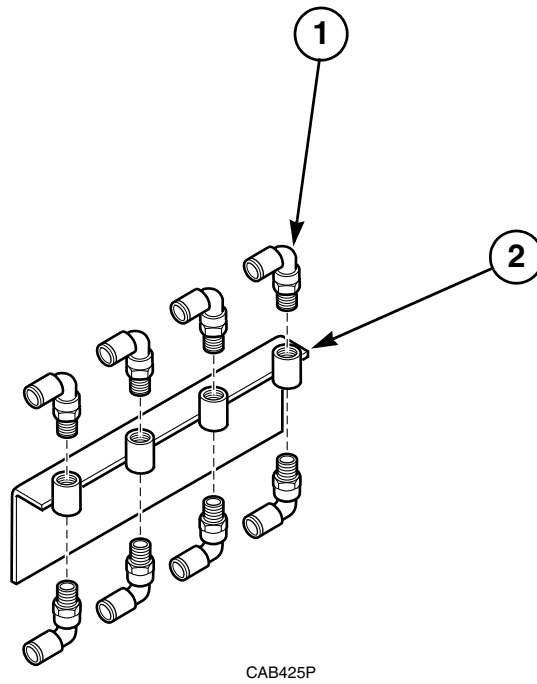


CAB2303P

Bracket and Fittings Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	J1523844	Bracket and Fittings Assembly	Includes items 3-6
1	J1238518	Screw	
2	J1185073	Washer	
3	F422101	Air Coupling	2 required
4	JA-50770	Male Compression Elbow	2 required
5	JC-30541	Street Pipe Tee	2 required
6	J1523828	Bracket Weldment	

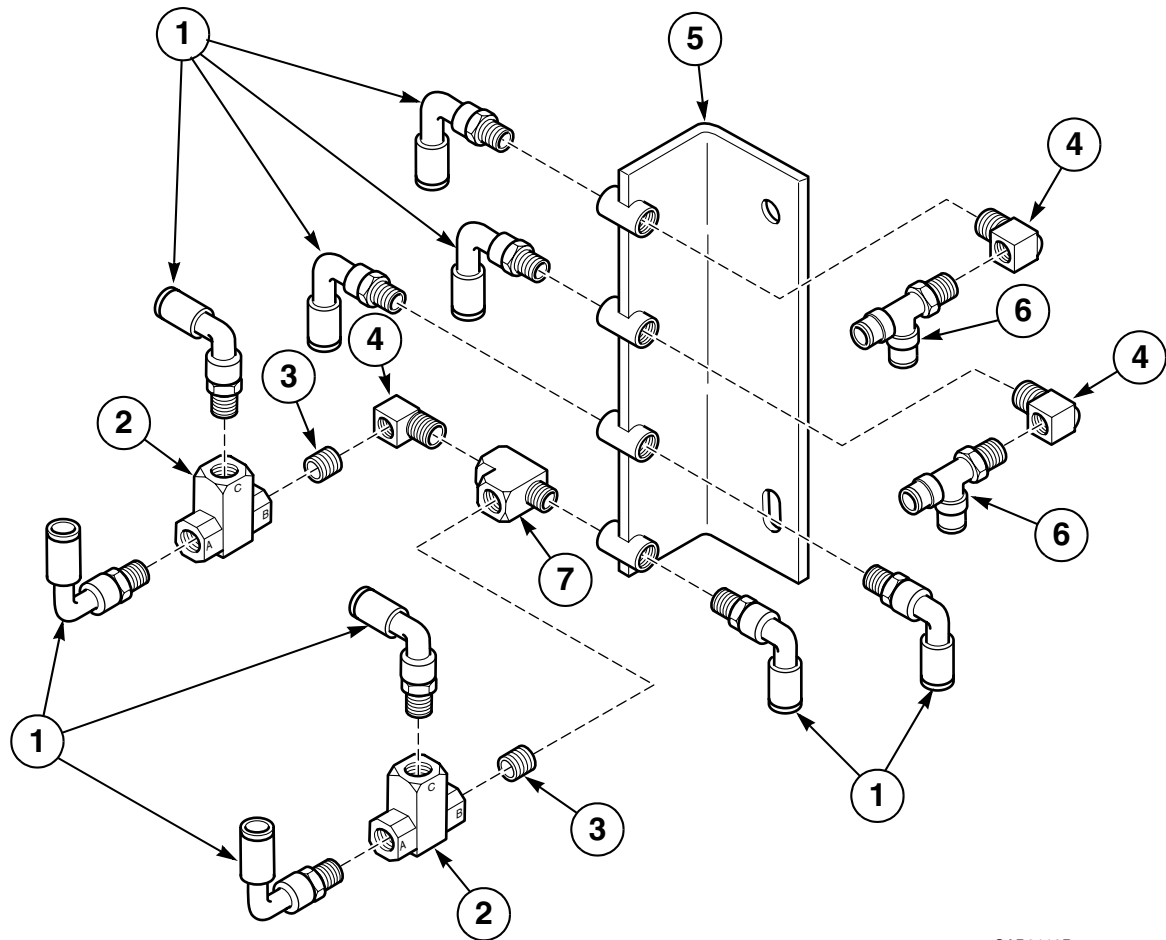
Bracket and Elbows Assembly – Model CTDBT



Bracket and Elbows Assembly – Model CTDBT

REF	PART NO.	DESCRIPTION	COMMENTS
	J1531755	Bracket and Elbows Assembly	Includes item 1 and 2
1	J1407741	Swivel Tubing Elbow	
2	J1523877	Manifold Weldment	8 required; 4 coupling

Bracket and Fittings Assembly – Model CTDBV (Drawing 1 of 2)

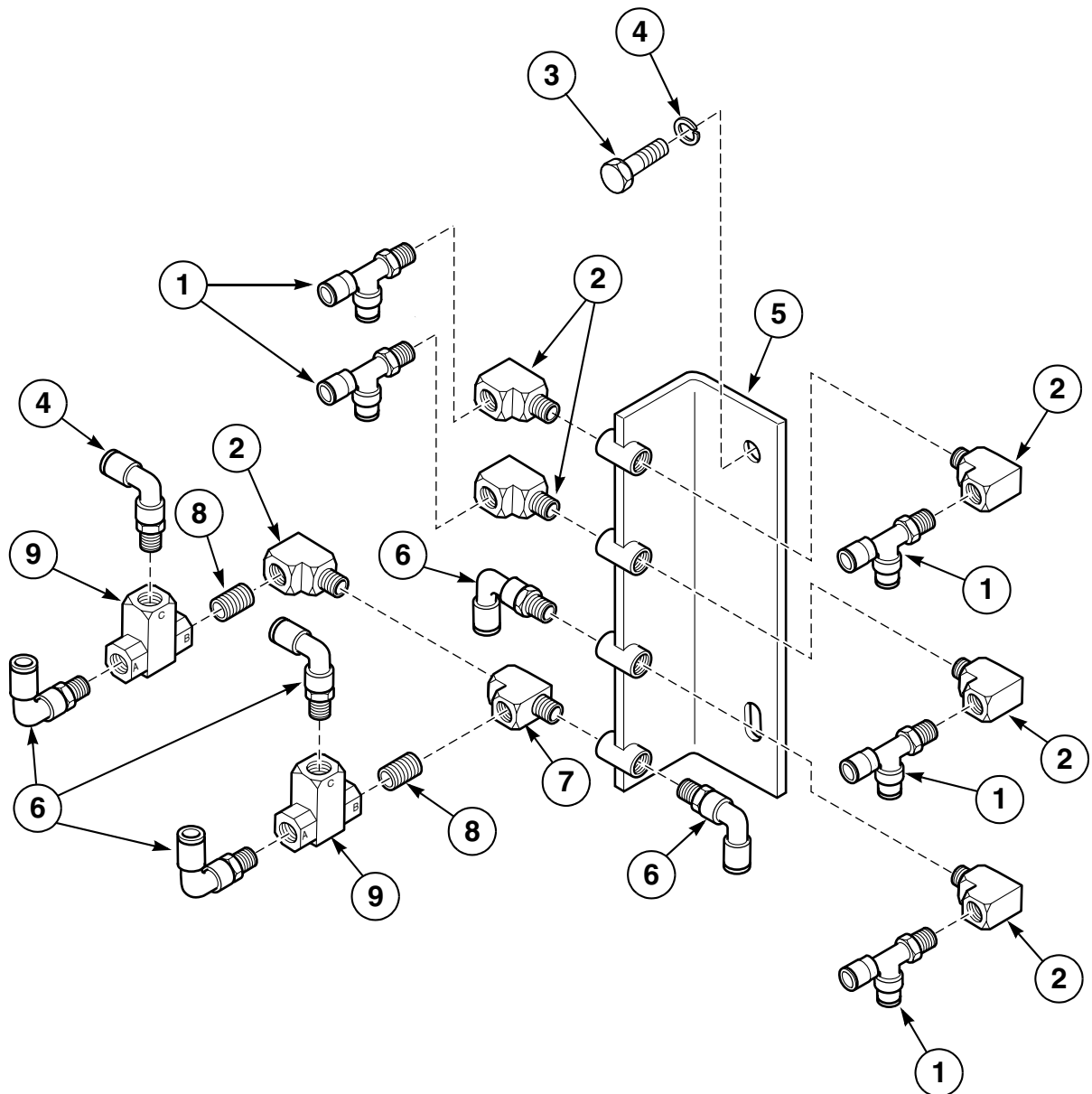


CAB2113P

Bracket and Fittings Assembly – Model CTDBV (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1525252	Bracket and Fittings Assembly	Includes items 1-7
1	J1407741	Swivel Tubing Elbow	9 required
2	JA-53602	Shuttle Valve	2 required
3	J1232313	Pipe Nipple	2 required
4	JC-28317	Street Pipe Elbow	3 required
5	J1523877	Manifold Weldment	
6	J1438357	Quick Tubing Tee	2 required
7	JC-30541	Street Pipe Tee	

Bracket and Fittings Assembly – Model CTDBV (Drawing 2 of 2)

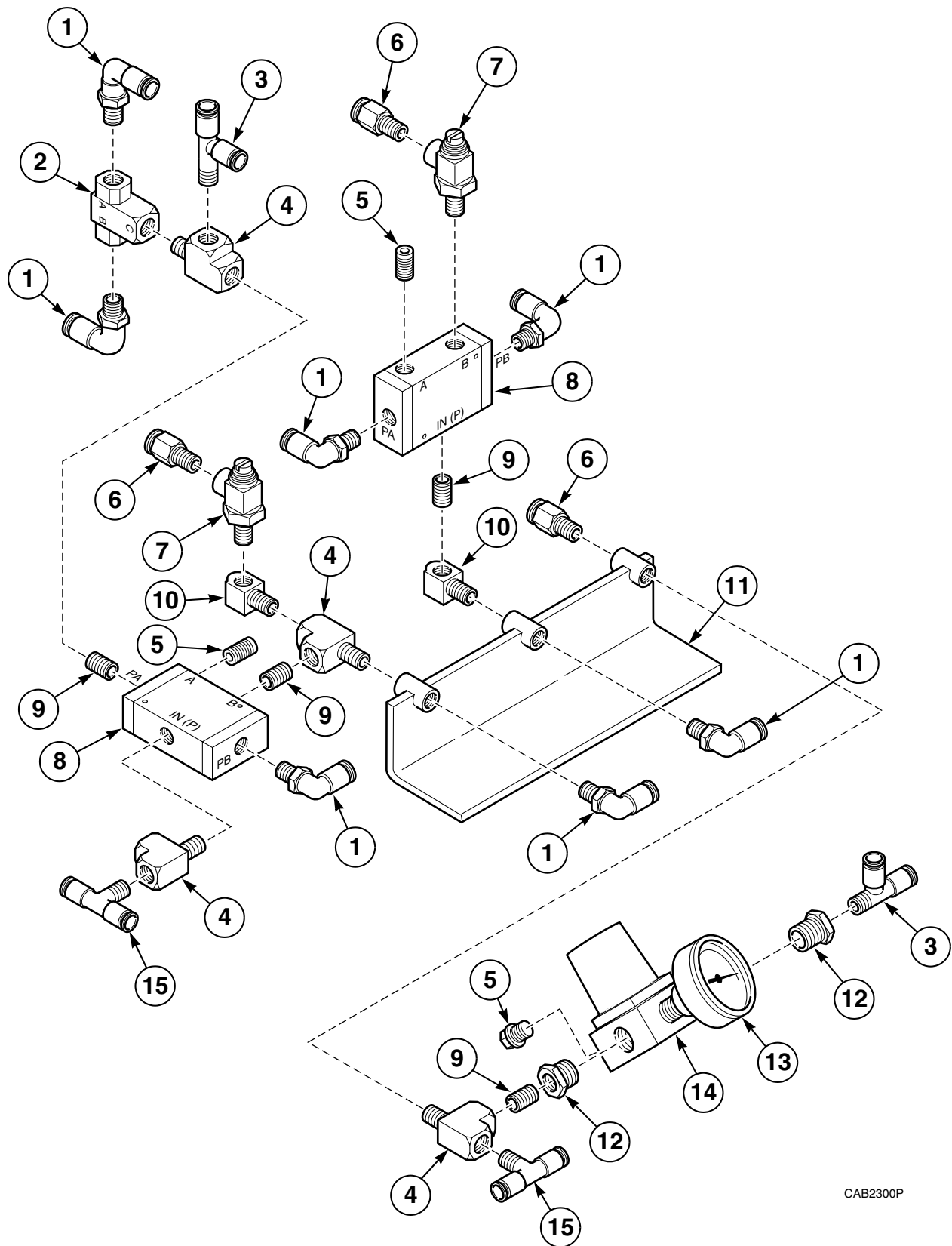


CAB2304P

Bracket and Fittings Assembly – Model CTDBV (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
	J1523885	Bracket and Fittings Assembly	Includes items 1, 2 and 5-9
1	J1438357	Quick Tubing Tee	5 required
2	JC-28317	Street Pipe Elbow	6 required
3	J1238518	Screw	2 required
4	J1185073	Washer	2 required
5	J1523877	Manifold Weldment	
6	J1407741	Swivel Tubing Elbow	6 required
7	JC-30541	Street Pipe Tee	
8	J1232313	Pipe Nipple	2 required
9	JA-53602	Shuttle Valve	2 required

Bracket and Fittings Assembly – Models CTDBT and CTDBV

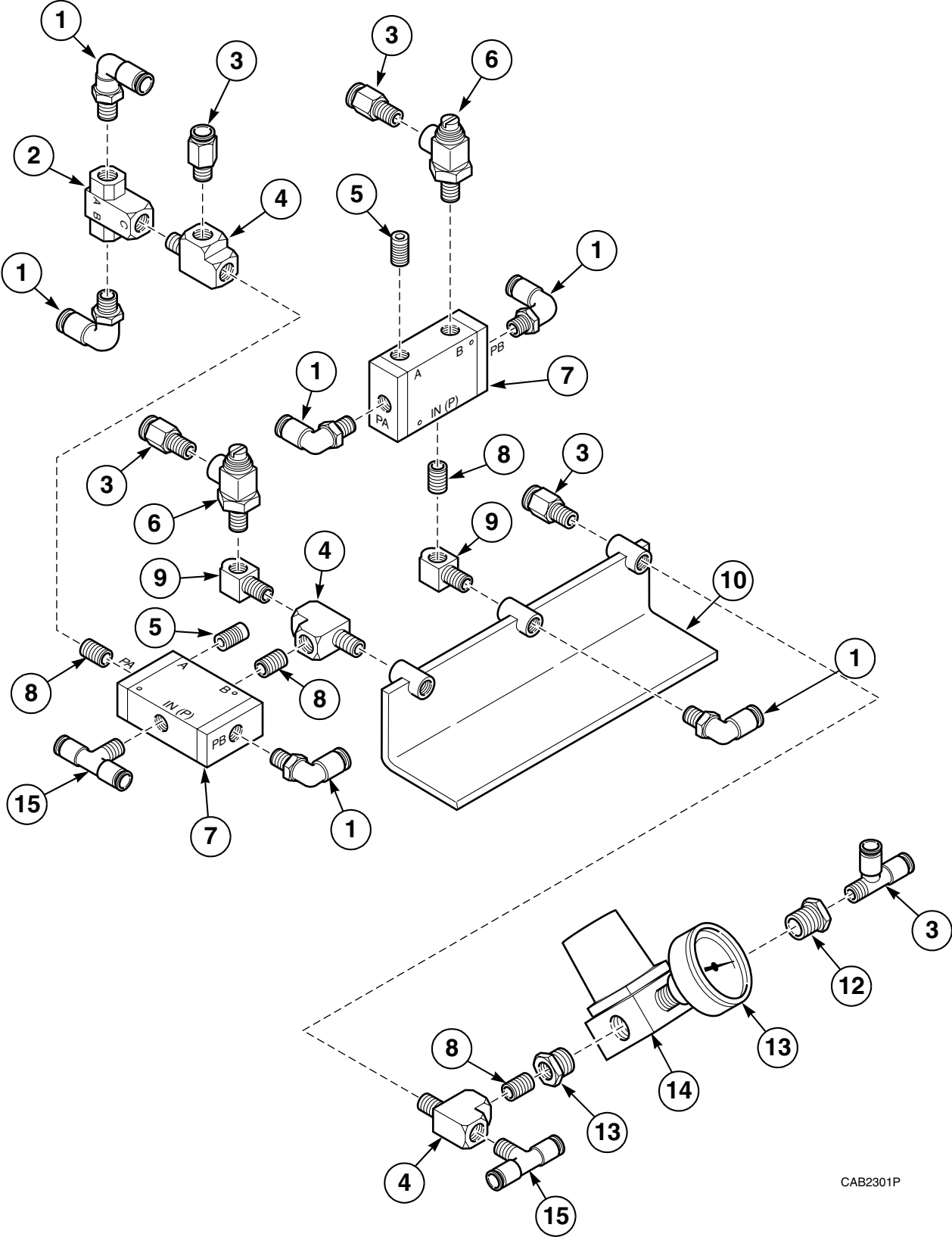


CAB2300P

Bracket and Fittings Assembly – Models CTDBT and CTDBV

REF	PART NO.	DESCRIPTION	COMMENTS
	J1531839	Bracket and Fittings Assembly	3 coupling; Includes items 1-15
1	J1407741	Swivel Tubing Elbow	7 required
2	JA-53602	Shuttle Valve	
3	J1438357	Quick Tubing Tee	2 required
4	JC-30541	Street Pipe Tee	4 required
5	J1039858	Pipe Plug	3 required
6	F422101	Air Coupling	3 required
7	J1455781	Swivel Flow Control Valve	2 required
8	J1548783	Double Air Piloted Valve	4-way; 2 required
9	J1232313	Pipe Nipple	4 required
10	JC-28317	Street Pipe Elbow	2 required
11	J1523802	Manifold Weldment	Left; 3 coupling
12	JC-19609	Reducing Bushing	2 required
13	J1477959	Pressure Gauge	0-160 psig
14	J1421981	Relieving Air Regulator	
15	J1437029	Quick Tubing Tee	2 required

Bracket and Fittings Assembly – Models CTSBT and CTSBV

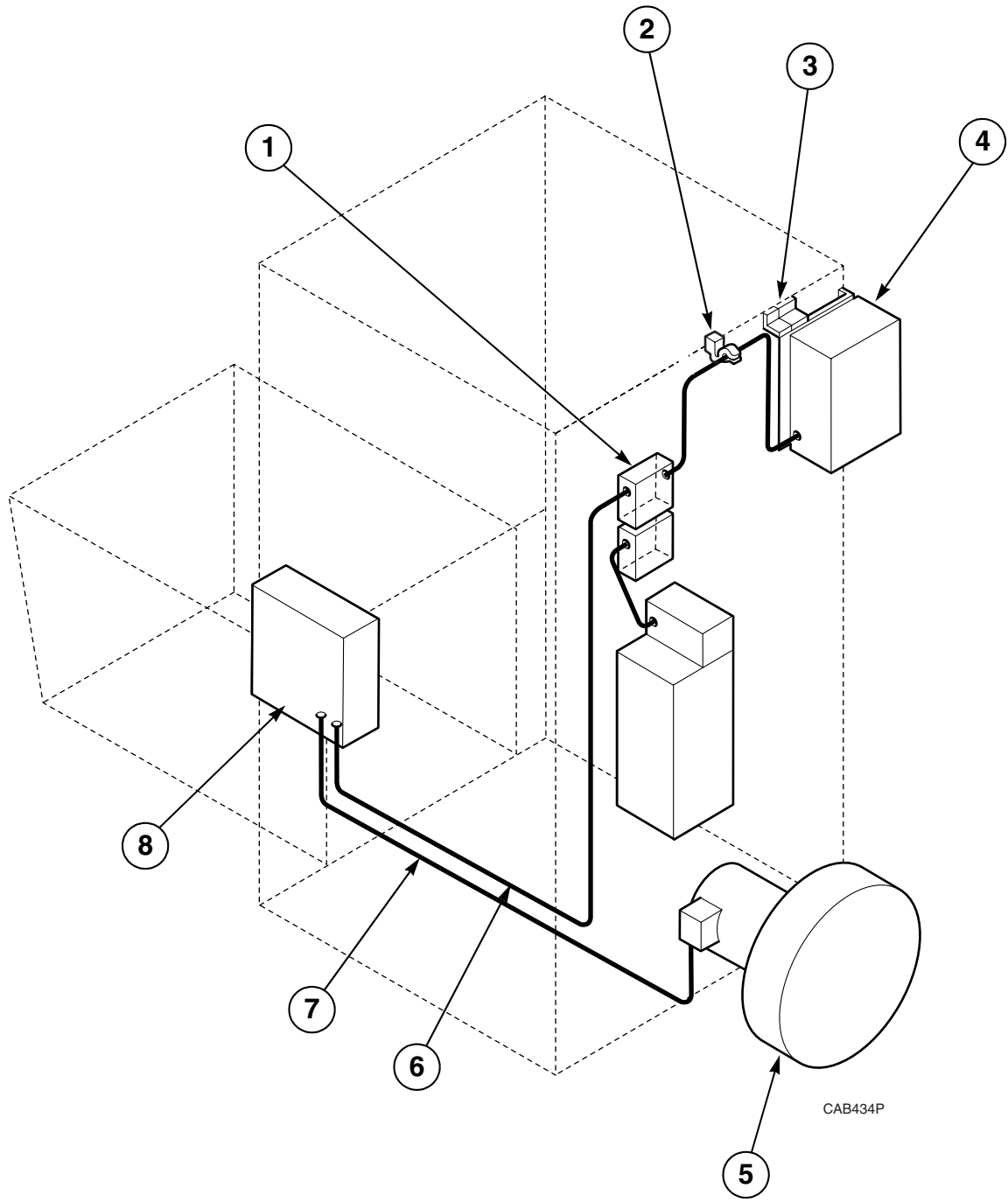


CAB2301P

Bracket and Fittings Assembly – Models CTSBT and CTSBV

REF	PART NO.	DESCRIPTION	COMMENTS
	J1525260	Bracket and Fittings Assembly	3 coupling; Includes items 1-15
1	J1407741	Swivel Tubing Elbow	6 required
2	JA-53602	Shuttle Valve	
3	F422101	Air Coupling	4 required
4	JC-30541	Street Pipe Tee	3 required
5	J1039858	Pipe Plug	2 required
6	J1455781	Swivel Flow Control Valve	2 required
7	J1548783	Double Air Piloted Valve	4-way; 2 required
8	J1232313	Pipe Nipple	4 required
9	JC-28317	Street Pipe Elbow	2 required
10	J1523802	Manifold Weldment	Left; 3 coupling
11	J1438357	Quick Tubing Tee	
12	JC-19609	Reducing Bushing	2 required
13	J1477959	Pressure Gauge	0-160 psig
14	J1421981	Relieving Air Regulator	
15	J1437029	Quick Tubing Tee	2 required

Electrical Parts and Conduit



Electrical Parts and Conduit

REF	PART NO.	DESCRIPTION	COMMENTS
1	J1531094	Thermostat Assembly	Refer to <i>Thermostat Assembly</i> section for parts breakdown
2	J1235696	Conduit Hanger	
3	J1441955	Transformer Mounting Bracket	460-575 Volt
	J1441963	Transformer Mounting Bracket	380-415 Volt
4	JC-72982	Transformer	460 Volt
	N/A	Transformer	575 Volt
	J1142090	Transformer	380-415 Volt
5	J1567775	Blower	200 Volt/50 Hertz/3 Phase
	J0220243-00	Blower	220-480 Volt/50 or 60 Hertz/3 Phase
	J1567767	Blower	575 Volt/60 Hertz/3 Phase
6	J1531680	Conduit Assembly	Control box to thermostat
7	J1531672	Conduit Assembly	Control box to motor
8	J1547041	Control Box Assembly	200-240 Volt/50 or 60 Hertz/3 Phase
	J1547058	Control Box Assembly	460 Volt/60 Hertz/3 Phase
	N/A	Control Box Assembly	575 Volt/60 Hertz/3 Phase
	J1547074	Control Box Assembly	380-415 Volt/50 Hertz/3 Phase

N/A = Part no longer available

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A

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