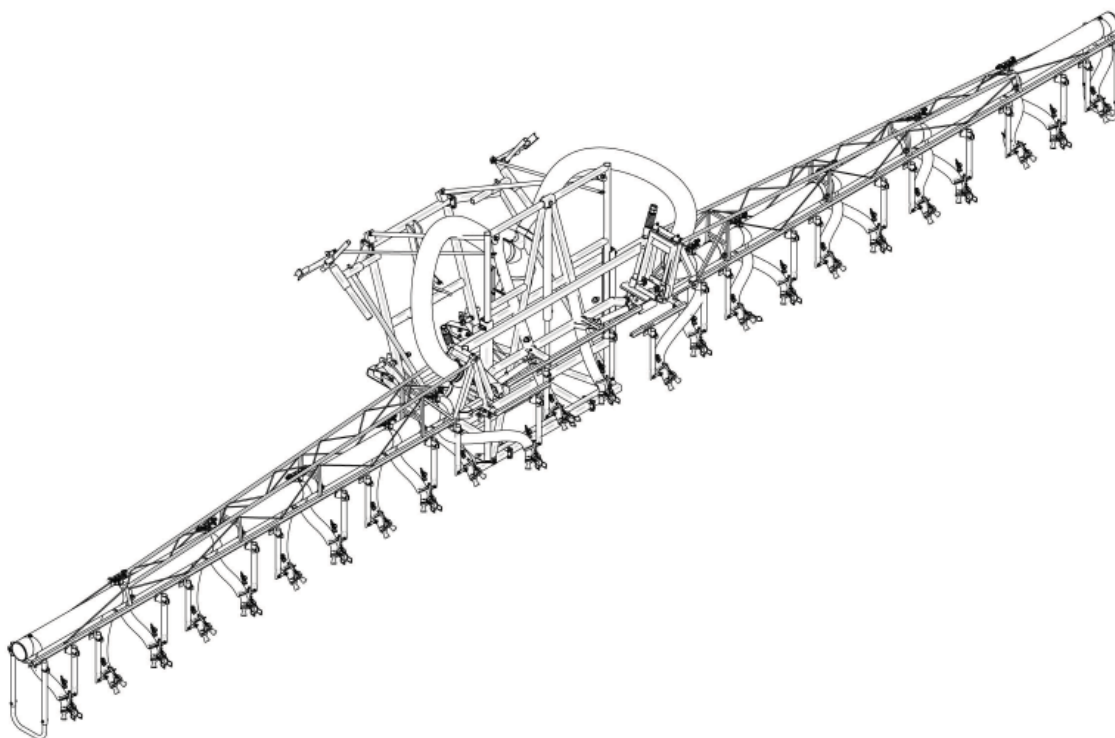




VENTURI AIR SPRAYERS 40 FOOT AIR BOOM



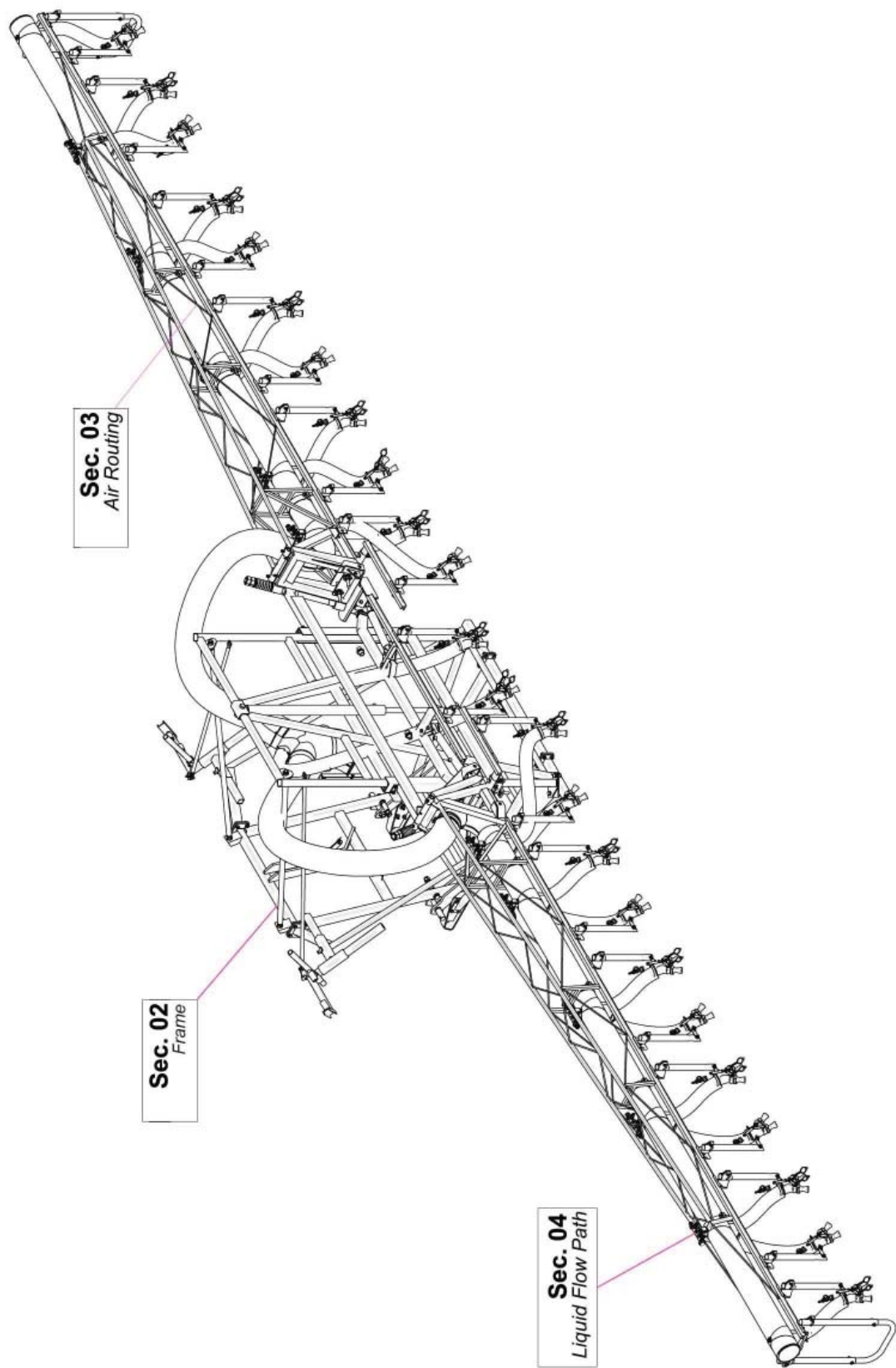
**Parts Manual For
B242505501 Boom
For P55S1 Sprayer**

August 2013

TABLE OF CONTENTS

<u>SECTION</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
1	Introduction	1
1.1	Purchaser's Responsibility	1
1.2	Serial Number Information	1
2	Complete Frame	2 - 10
2.01	Frame Support	3-4
2.02	Left Side Section	5-9
2.03	Sliding Center Section	6-9
2.04	Right Side Section	7-9
2.05	Nozzle Protection Guard	10
3	Complete Air Routing	11 - 16
3.01	Air Routing	12
3.02	L.H. Sliding Bracket	13-14
3.03	R.H. Sliding Bracket	15-16
4	Liquid Flow Path	17 - 22
4.01	Fittings Flow Path	18
4.02	Fittings, Liquid Flow Path	19-20
4.03	Fittings, Liquid Flow Path	21-22
5	Limited Warranty	23

INDEX



1 INTRODUCTION

We welcome you as an owner of a Gearmore sprayer. Please read the following instructions and refer to them when required. This manual contains parts diagrams and replacement parts lists. Do not modify the equipment in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the equipment.

Where replacement parts are necessary for periodic maintenance and servicing, genuine factory replacement parts ***MUST*** be used to restore your equipment to original specifications. The manufacturer will not be responsible for injuries or damages caused by use of unapproved parts and/or accessories.

The manufacturer reserves the right to make improvements to the machinery and parts at any time and at their discretion.

OPERATOR ORIENTATION - The directions left, right, front and rear, are as seen from the driver's seat and facing in the direction of travel.

1.1 PURCHASER'S RESPONSIBILITY

It is the responsibility of the owner to make sure the machine is maintained properly, and that all parts are in working order. It is the responsibility of the purchaser and/or operator to.....

- Inspect the equipment and replace or repair any parts that are damaged or worn which under continued operation would cause damage, wear to other parts, or cause a safety hazard.
- Return the equipment or parts to the authorized dealer, from where it was purchased, for service or replacement of defective parts that are covered by warranty. (The factory may inspect equipment or parts before warranty claims are honored.)
- Payment of all costs incurred by the dealer for traveling to or transporting the equipment for warranty inspection and/or claims.

1.2 MODEL / SERIAL NUMBER

NAME: _____

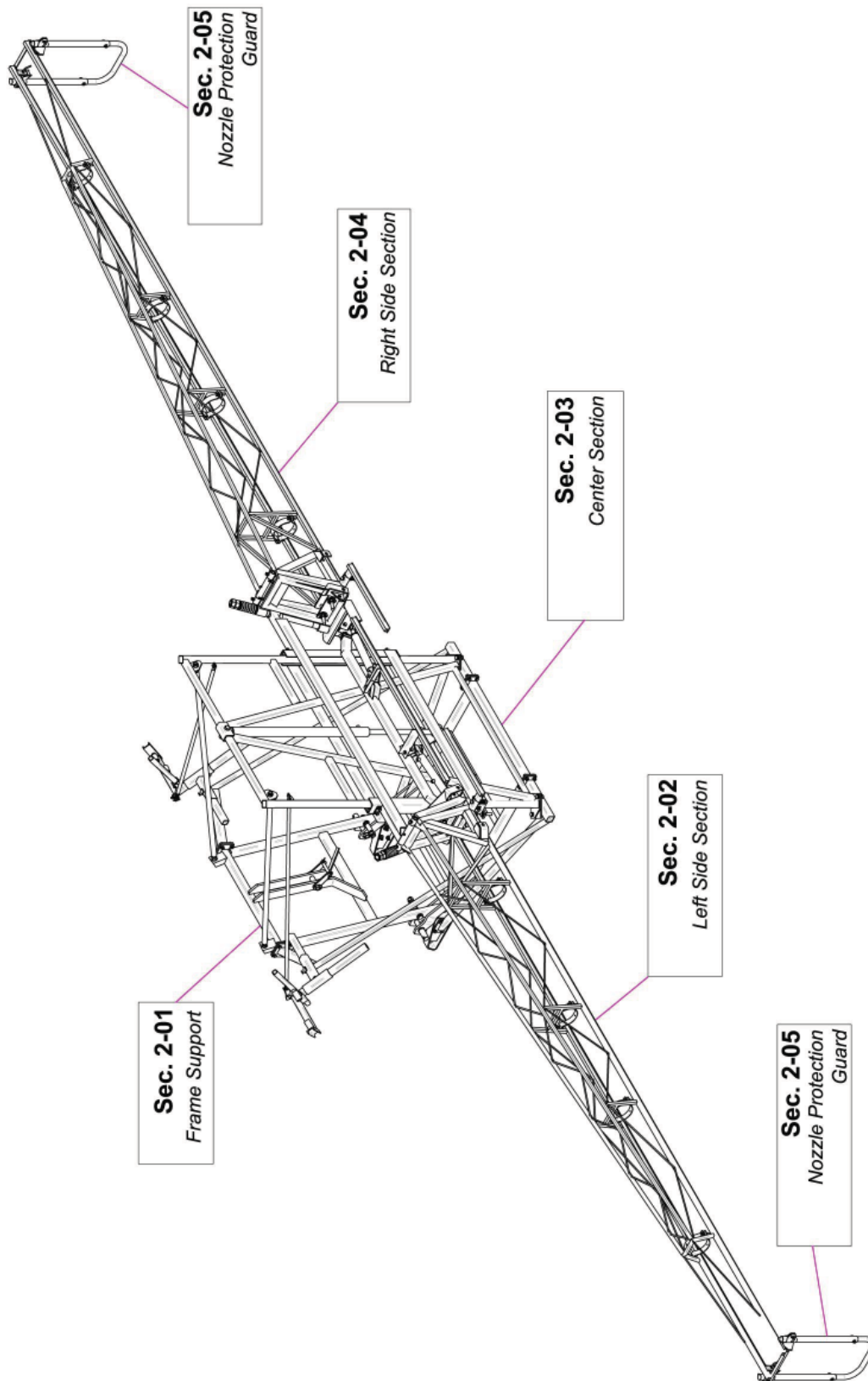
PURCHASED FROM: _____

DATE OF PURCHASE: _____

MODEL NUMBER: _____

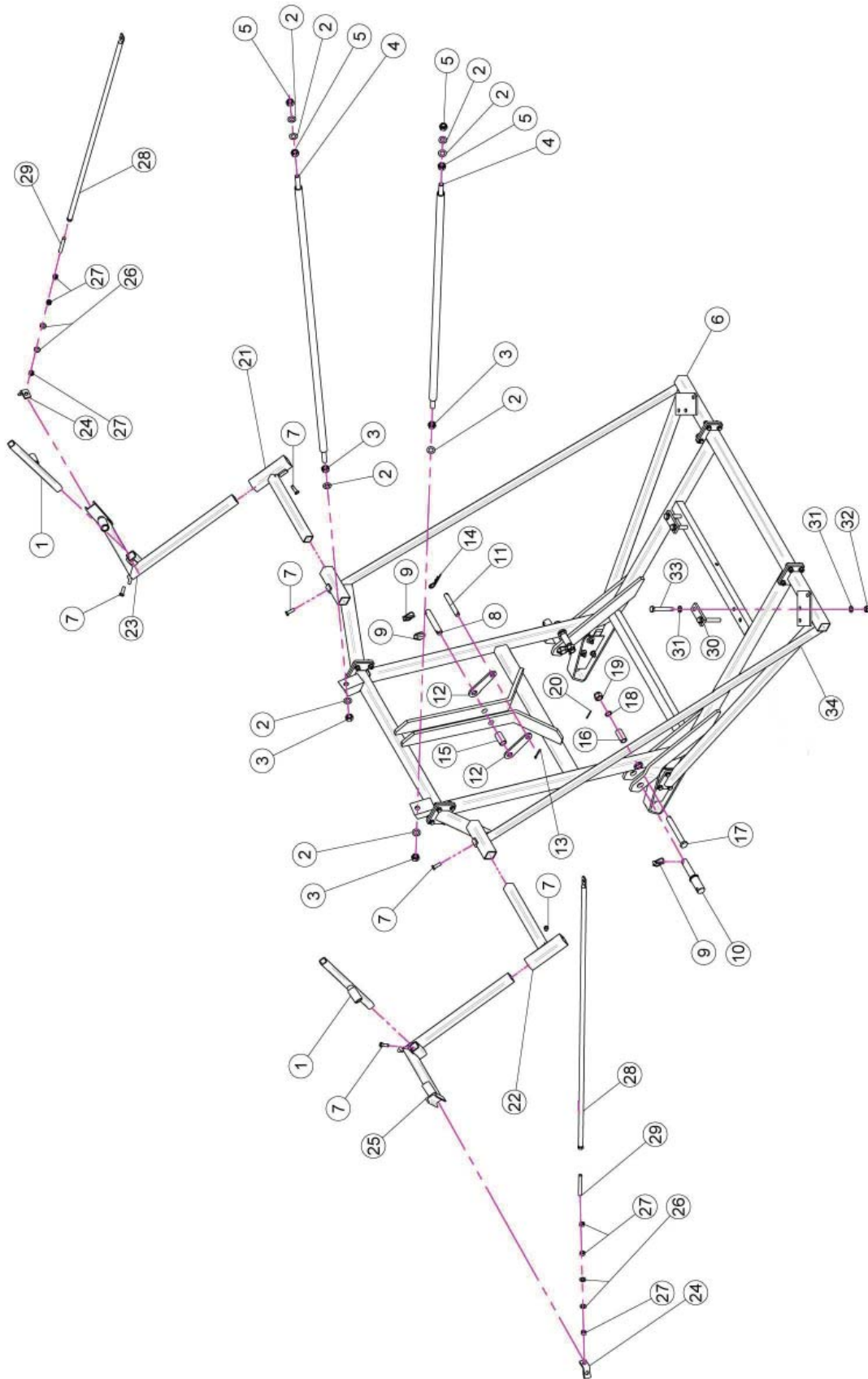
SERIAL NUMBER: _____

2 COMPLETE FRAME



2 COMPLETE FRAME

Sec. 01 FRAME SUPPORT



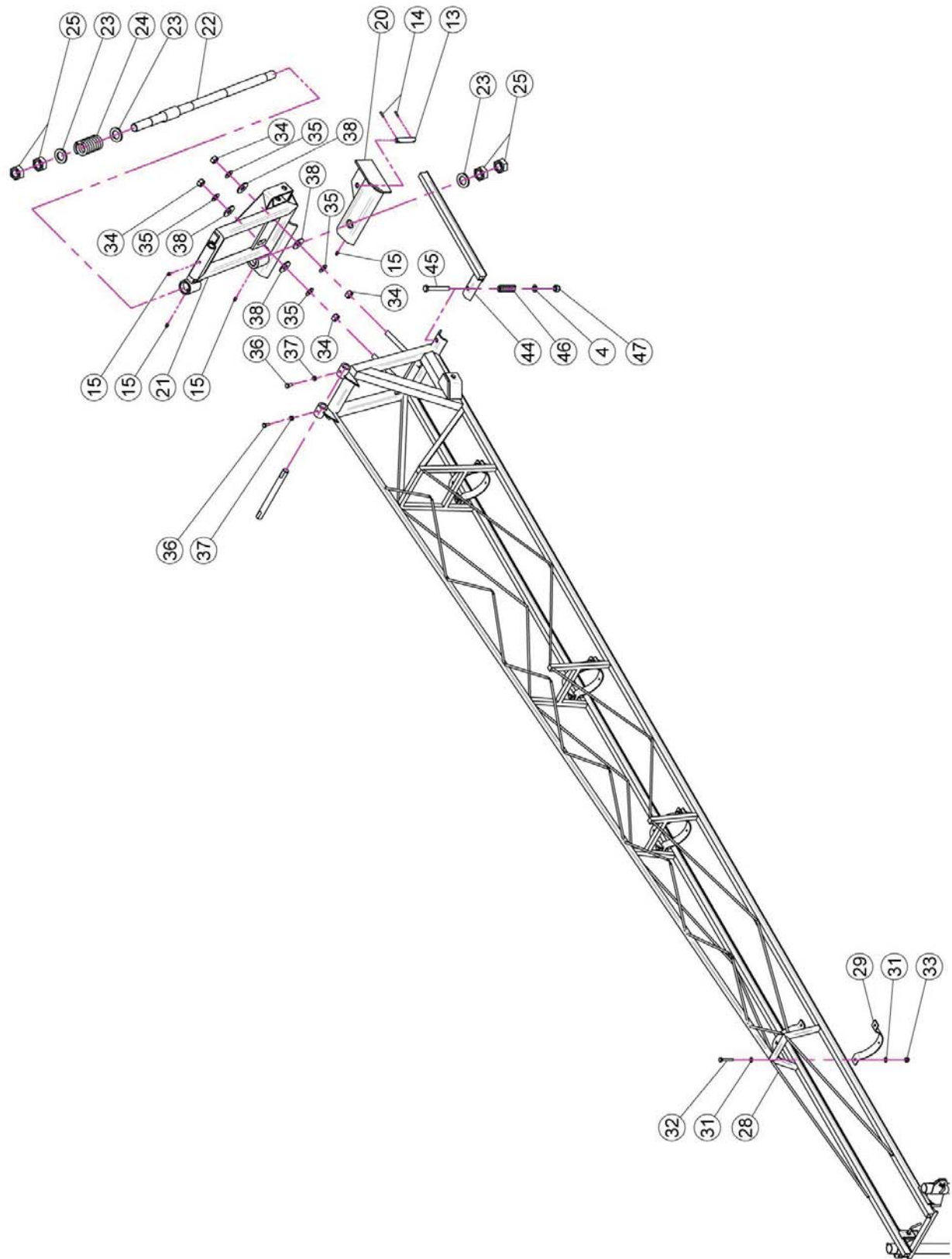
2 COMPLETE FRAME

Sec. 01 FRAME SUPPORT

<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	2	20.324.000	Bracket For Side Section At Rest
2	8	RP.020.000	Washer D.20
3	4	D0.020.5587G	M20 Nut
4	2	20.295.001	Rod Fixing Lower & Top Frame
5	4	D0.20.5587G	Nut M20
6	1	21.065.001	Frame Assembly
7	6	TE.012.035T	Screw TE M12 x 36
8	1	20.312.001	Pin
9	4	02.439.000	Pin D.10
10	2	20.311.000	Pin
11	1	20.314.001	Pin For 3-Point
12	2	20.298.003	Tie Rod
13	1	CP.006.040I	Pin D.6 Lg.40
14	1	00.100.004	Split Pin D.4
15	1	20.778.100	Bush
16	2	40.202.001	Bush
17	2	40.201.200	Pin Power Lift
18	2	RD.022.000	Tab Washer D.22
19	2	DI.022.5593F	Castle Nut (6 Slots) M22
20	2	CP.004.040	Split Pin D.4 L=40
21	1	20.338.000DX	Bracket
22	1	20.338.000SX	Bracket
23	1	20.323.000SX	LH Supporting For Side Section At Rest
24	2	20.496.000	Shaped Plate With Holes
25	1	20.323.000DX	RH Supporting For Side Section At Rest
26	4	RP.014.000	Washer D.14
27	6	D0.14.5587G	Nut M14
28	2	20.495.000	Rod
29	2	BRF.014.050	Bar
30	2	20.656.000	Bracket Fixing Mounted To The Lower Frame
31	8	RP.016.000	Washer D.16
32	4	D0.16.5587G	Nut M16
33	4	TE.016.110	Screw TE M16 x 110

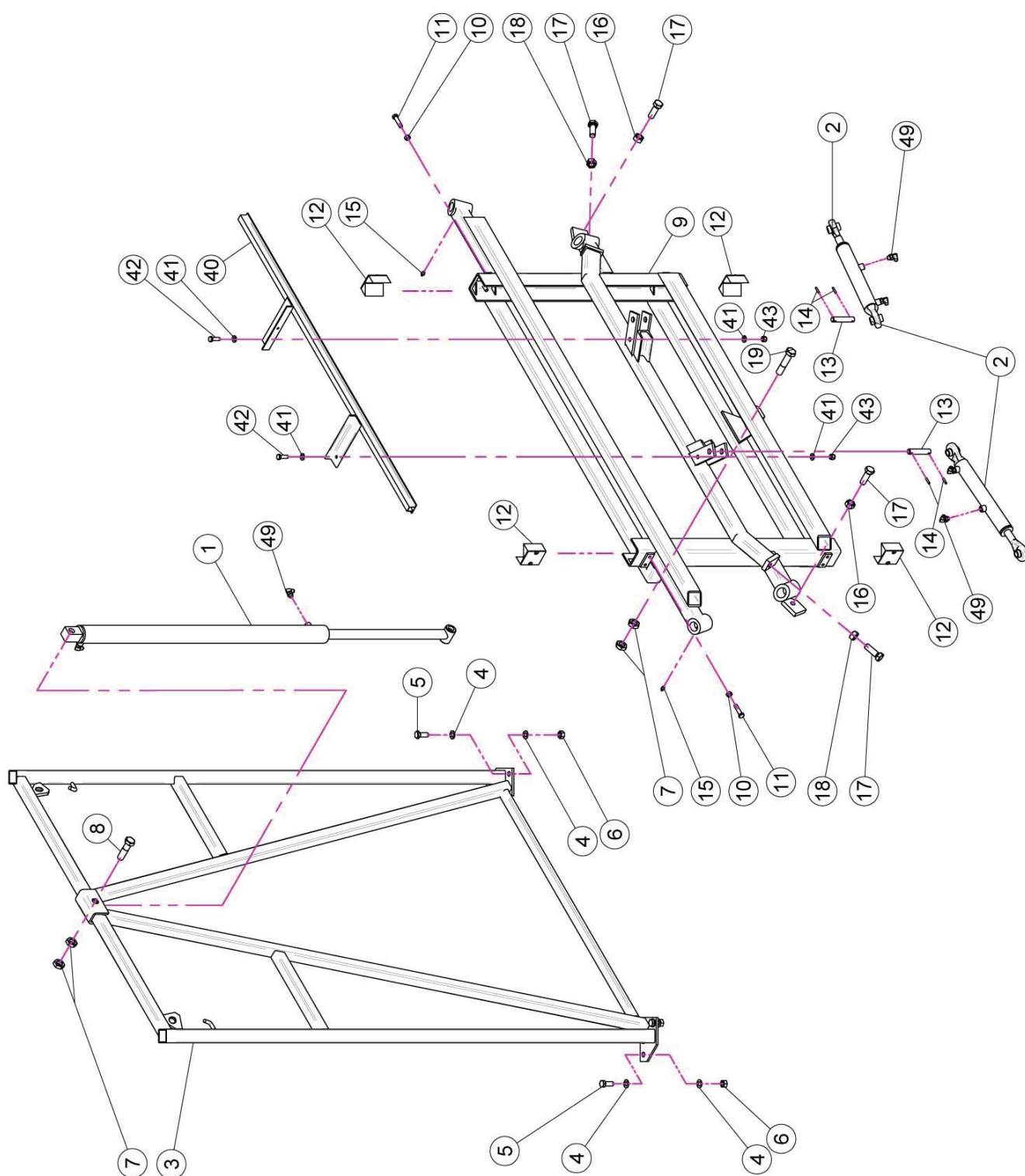
2 COMPLETE FRAME

Sec. 02 LEFT SIDE SECTION



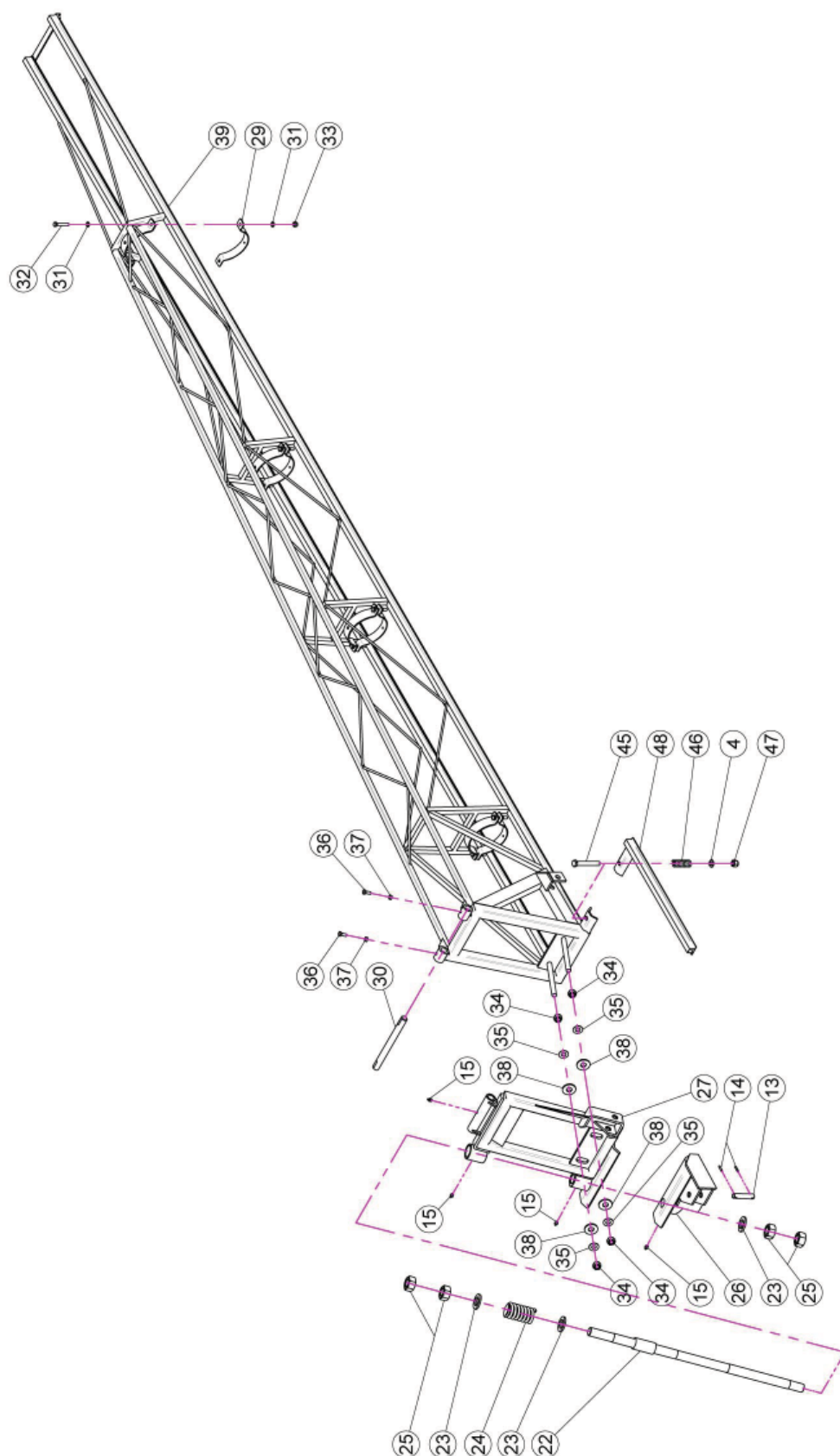
2 COMPLETE FRAME

Sec. 03 SLIDING CENTER SECTION



2 COMPLETE FRAME

Sec. 04 RIGHT SIDE SECTION



2 COMPLETE FRAME

Sec. 02_03_04 PARTS LIST

<u>REF.</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	20.199.01C	Cylinder
2	2	20.147.01C	Cylinder
3	1	20.293.000	Top Frame
4	14	RP.016.000	Washer D.16
5	6	TE.016.040T	Screw TE 16 x 40
6	6	D0.16.5587G	Nut M16
7	4	D0.22.5589G	Nut M22 6S
8	1	TE.022.080	Screw TE M22 x 80
9	1	20.294.000	Sliding Frame
10	8	D0.12.5588G	M12 6S Big Lead Nut 5588
11	8	TE.012.050T	Screw M12 x 50T
12	4	20.326.000	Guide
13	4	20.329.000	Pin D.19 For Cylinders
14	8	SE.006.028	Elastic Pin
15	12	ID.010.001	Grease Nipple
16	2	D0.20.5587G	Nut M20
17	4	TE.020.060T	Screw TE M20 x 60
18	2	D0.020.5587G	M20 Nut
19	1	TE.022.100	Screw M22 x 100
20	1	20.321.000SX	Support Left
21	1	20.320.100SX	RH Supporting
22	2	20.318.000	Pin For Articulation
23	6	20.921.000	Washer D.60 x 26 SP.6
24	2	20.264.000	Spring
25	8	D0.33.5588F	Nut M33 6S
26	1	20.321.000DX	Support Right
27	1	20.320.100DX	RH Supporting
28	1	20.316.100SX	Pneumatic Bar Left Arm
29	8	20.322.000	INOX D.160 Semi Clamp
30	2	20.319.000	Pin For Hoisting
31	32	RP.010.000	Washer D.10
32	16	TE.010.060T	Screw TE M10 x 60
33	16	DA.010.0AG	Self Locking Nut M10
34	8	D0.18.5587G	Nut M18
35	8	RP.018.000	Washer
36	4	TE.010.025T	Screw TE 10 x 25T
37	4	D0.10.5588G	M10 6S Big Lead Nut 5588
38	8	20.820.000	Washer
39	1	20.316.100DX	Pneumatic Bar Right Arm
40	1	20.317.000	Central Carrier Outlet Bracket
41	4	RP.012.000	Washer D.12

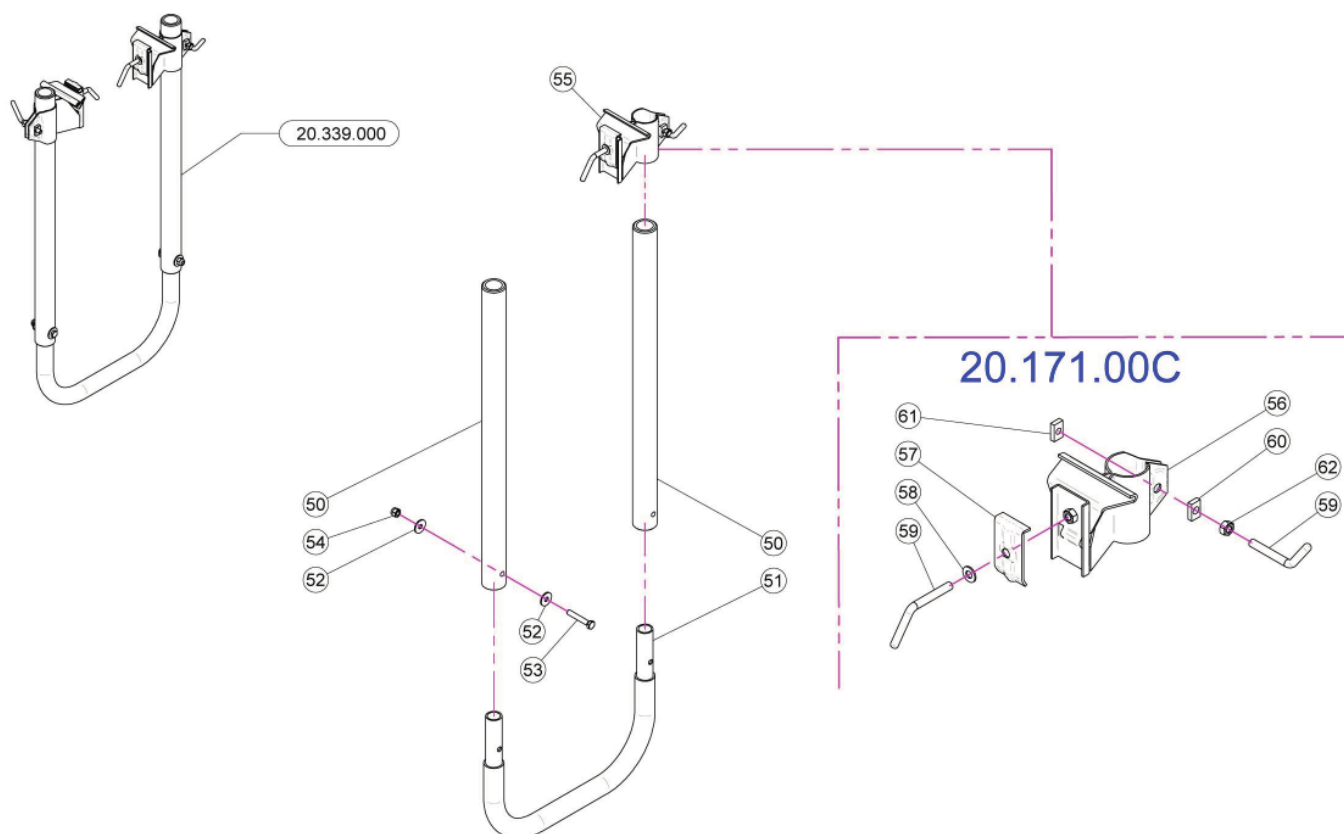
2 COMPLETE FRAME

Sec. 02_03_04 PARTS LIST

<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
42	2	TE.012.035T	Screw TE M12 x 35
43	2	DA.012.0AG	Self Locking Nut M12
44	1	20.287.000SX	Outlets Carrier Left Bracket
45	2	TE.016.110	Screw TE M16 x 110
46	2	07.544.000	Spring
47	2	DA.016.0AG	Self Locking Nut M16
48	1	20.287.000DX	Outlets Carrier Right Bracket
49	8	02.409.000	Elbow With Retaining Ring Seal

2 COMPLETE FRAME

Sec. 05 NOZZLE PROTECTION GUARD

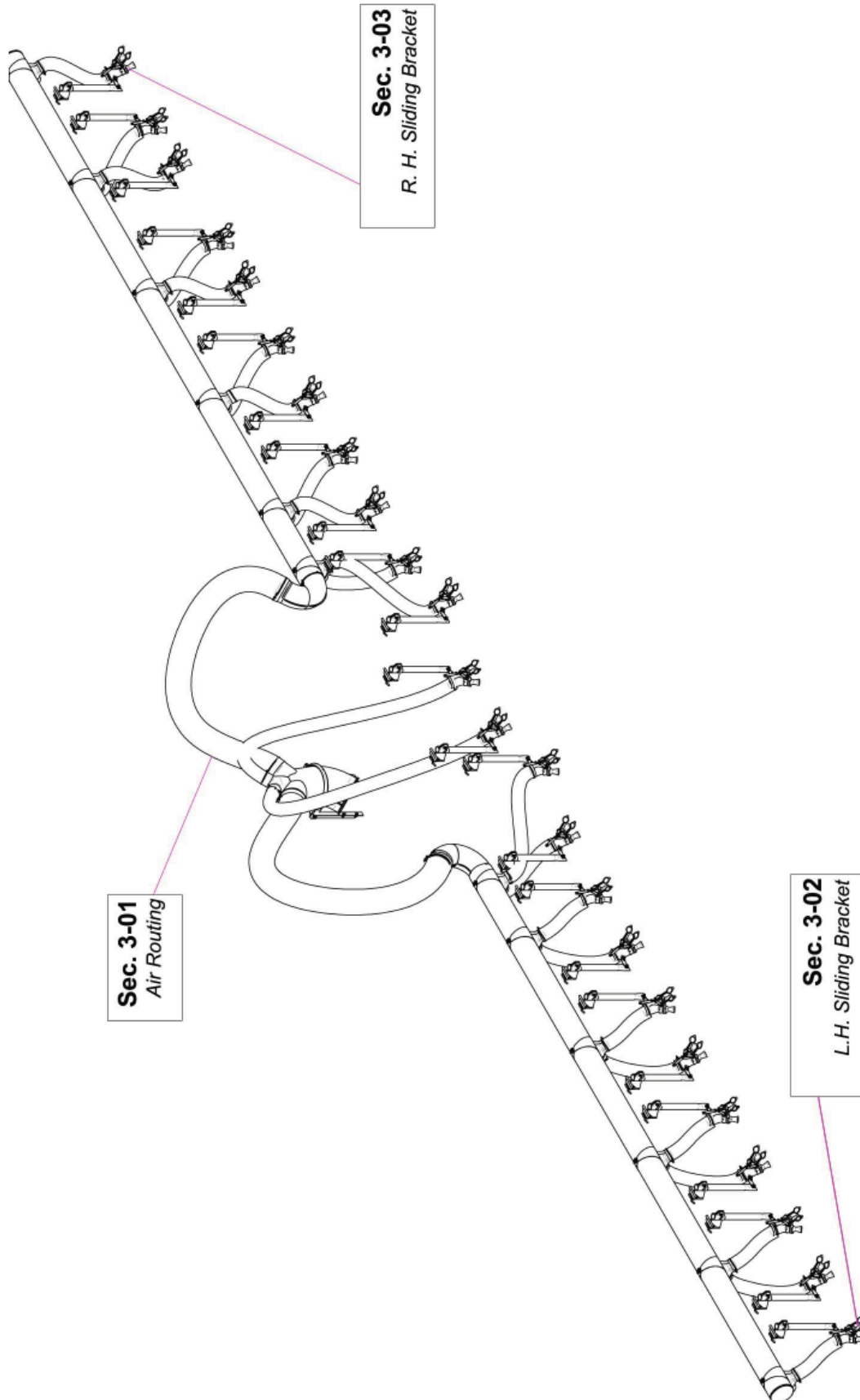


<u>REF.</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
50	2	20.341.000	Polyethylene Hose Ø40 Lg. 600
51	1	20.342.001	Bumper
52	4	RP.008.024	Washer D.8 x 24
53	2	TE.008.050T	Screw TE M8 x 50
54	2	DA.008.0AG	Self Locking Nut M8
55	2	20.171.00C	Sliding Bracket Air Boom

20.171.00C

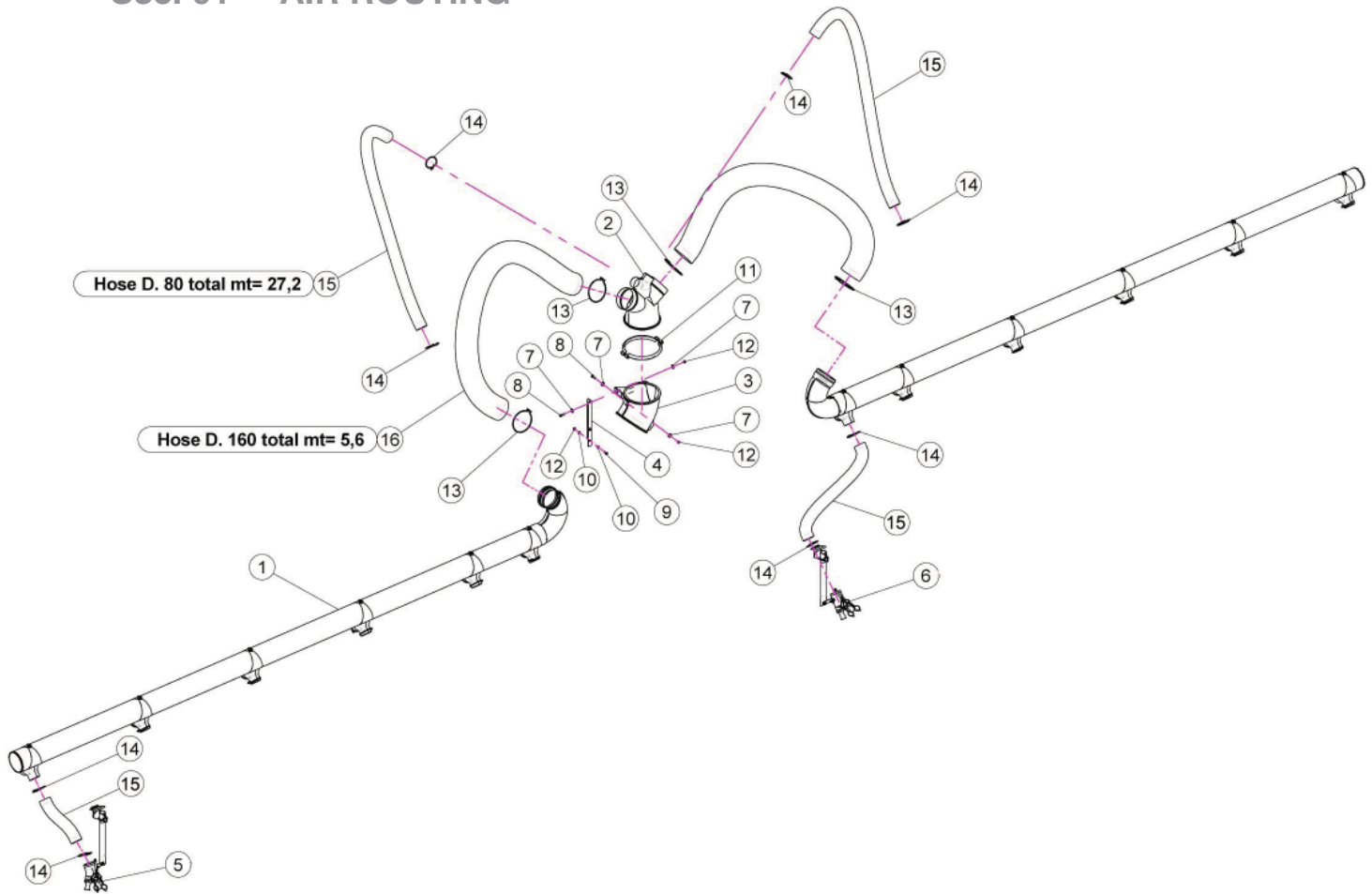
56	1	20.171.000	Sliding Bracket
57	1	20.068.000	Bracket
58	1	RP.008.000	Washer D.8
59	2	20.069.000	Threaded Handle M8
60	1	20.071.000	Square Nut M8
61	1	20.070.000	Square Nut M8
62	1	D0.08.5588G	Nut M8

3 COMPLETE AIR ROUTING



3 COMPLETE AIR ROUTING

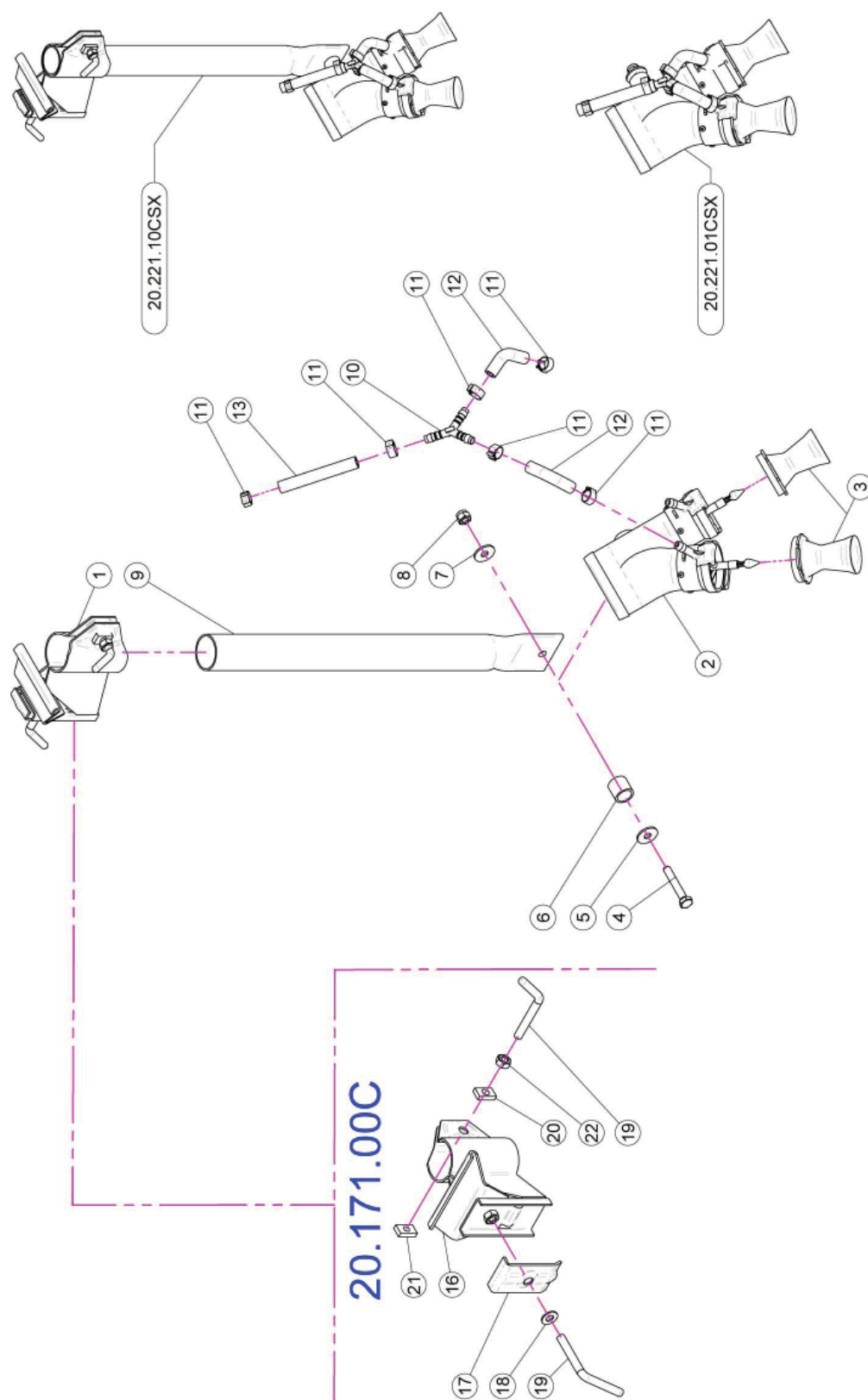
Sec. 01 AIR ROUTING



<u>REF.</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	2	20.302.000	Air Duct
2	1	20.286.000	Air Outlet Body From D.250 to D.120/80
3	1	05.809.050	45° Bend D.250
4	1	05.809.051	45° Elbow Bracket
5	12	20.221.10CSX	2 Nozzles Kit D.80 With Bracket
6	12	20.221.10CDX	2 Nozzles Kit D.80 With Bracket
7	6	RP.010.030	Washer D.10 x 30 mm
8	3	TE.010.035T	Screw TE 10 x 35
9	2	TE.010.025T	Screw TE 10 x 25T
10	4	RP.010.000	Washer D.10
11	1	05.813.000	Clamp D.275
12	5	D0.10.5587G	Nut M10
13	4	F0.160.000	Clamp D.160
14	48	F0.080.000	Clamp D.80
15	As Req'd	02.280.000	Hose D.80 (Per Foot)
16	As Req'd	02.247.000	Hose D.160 (Per Foot)

3 COMPLETE AIR ROUTING

Sec. 02 L.H. SLIDING BRACKET



3 COMPLETE AIR ROUTING

Sec. 02 L.H. SLIDING BRACKET

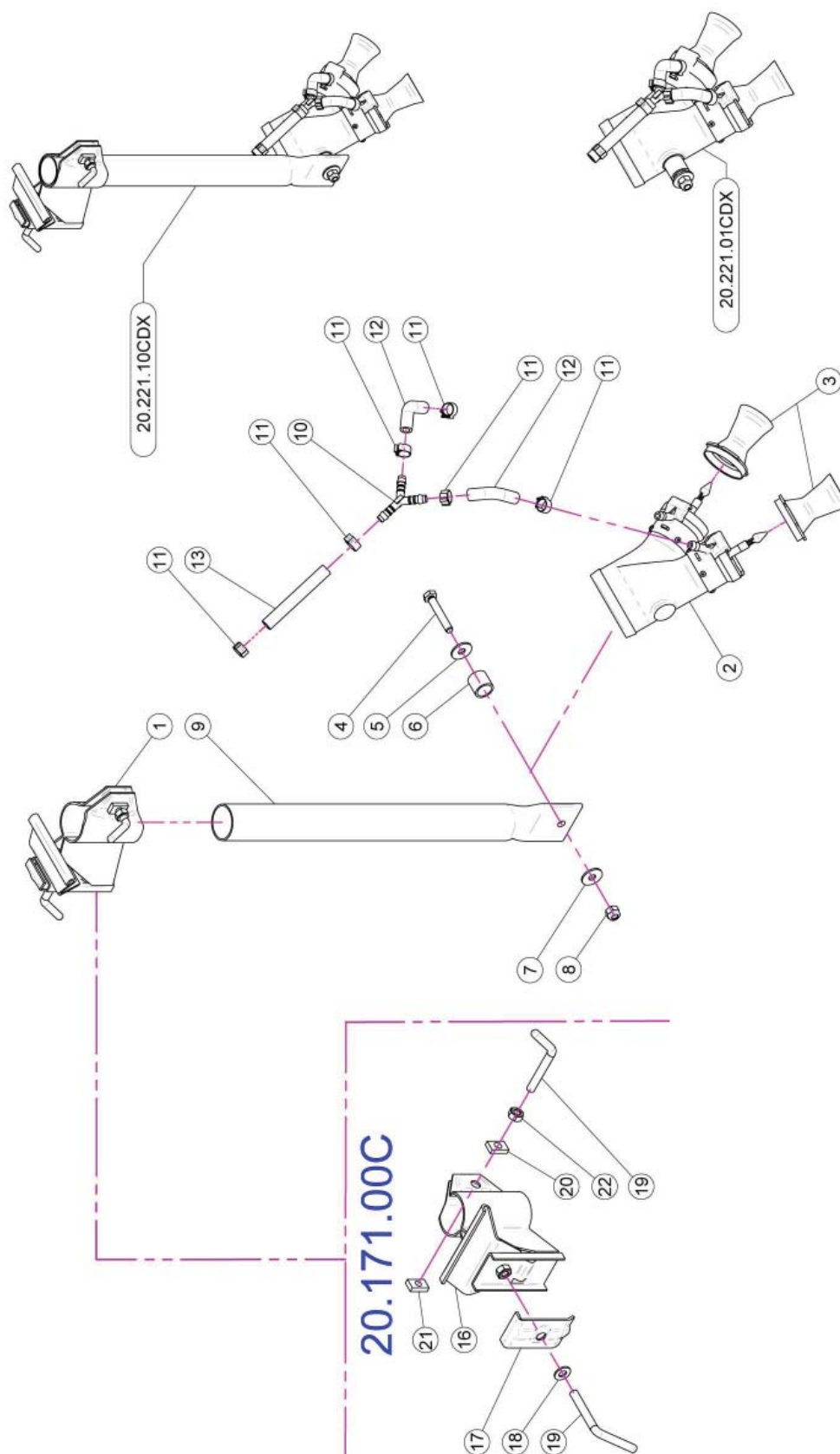
<u>REF.</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	20.171.00C	Sliding Bracket Air Boom
2	1	20.221.000SX	Complete 2 Nozzles Left Body Kit
3	2	00.003.5.50	Nozzle 3.5/50
4	1	TE.008.050T	Screw TE M8 x 50
5	1	RP.008.024I	INOX Washer D.8 x 24
6	1	20.265.000	Spacer
7	1	RP.008.024	Washer D.8 x 24
8	1	DA.008.0AG	Self Locking Nut M8
9	1	20.266.001	Bracket
10	1	02.077.010	Y Fitting
11	6	FC.013.5.015	Hose Clamp
12	As Req'd	02.217.000	Hose D.8 x 13 L=50 (Per Foot)
13	As Req'd	02.217.000	Hose D.8 x 13 L=90 (Per Foot)

20.171.00C

16	1	20.171.000	Sliding Bracket
17	1	20.068.000	Bracket
18	1	RP.008.000	Washer D.8
19	2	20.069.000	Threaded Handle M8
20	1	20.071.000	Square Nut M8
21	1	20.070.000	Square Nut M8
22	1	D0.08.5588G	Nut M8

3 COMPLETE AIR ROUTING

Sec. 03 R.H. SLIDING BRACKET



3 COMPLETE AIR ROUTING

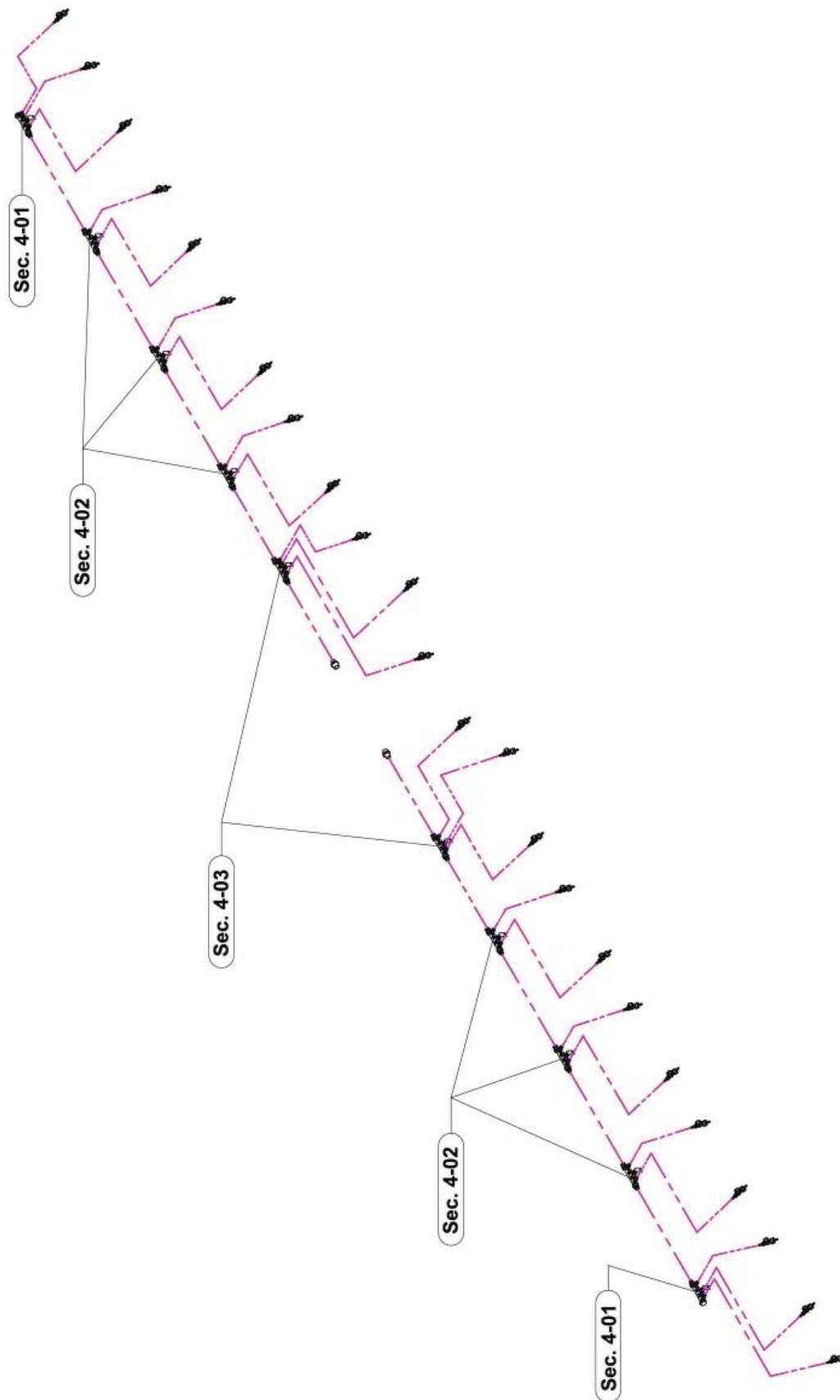
Sec. 03 R.H. SLIDING BRACKET

<u>REF.</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	20.171.00C	Sliding Bracket Air Boom
2	1	20.221.000DX	Complete 2 Nozzles Right Body Kit
3	2	00.003.5.50	Nozzle 3.5/50
4	1	TE.008.050T	Screw TE M8 x 50
5	1	RP.008.024I	INOX Washer D.8 x 24
6	1	20.265.000	Spacer
7	1	RP.008.024	Washer D.8 x 24
8	1	DA.008.0AG	Self Locking Nut M8
9	1	20.266.001	Bracket
10	1	02.077.010	Y Fitting
11	6	FC.013.5.015	Hose Clamp
12	As Req'd	02.217.000	Hose D.8 x 13 L=50 (Per Foot)
13	As Req'd	02.217.000	Hose D.8 x 13 L=90 (Per Foot)

20.171.00C

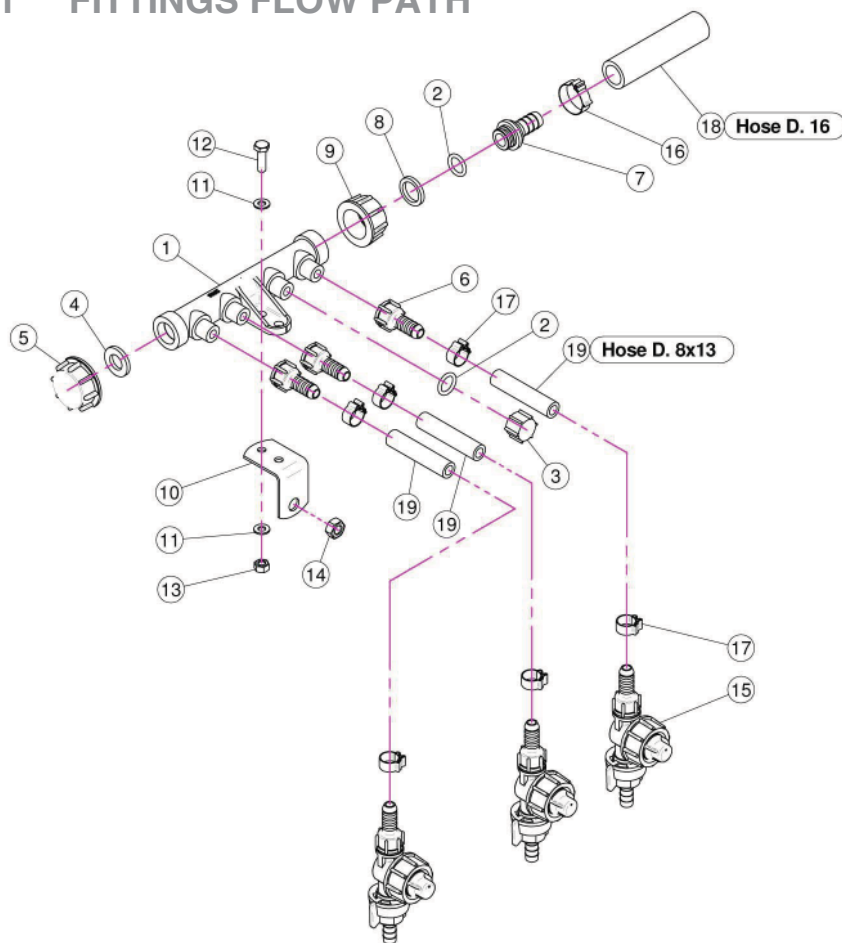
16	1	20.171.000	Sliding Bracket
17	1	20.068.000	Bracket
18	1	RP.008.000	Washer D.8
19	2	20.069.000	Threaded Handle M8
20	1	20.071.000	Square Nut M8
21	1	20.070.000	Square Nut M8
22	1	D0.08.5588G	Nut M8

4 LIQUID FLOW PATH



4 LIQUID FLOW PATH

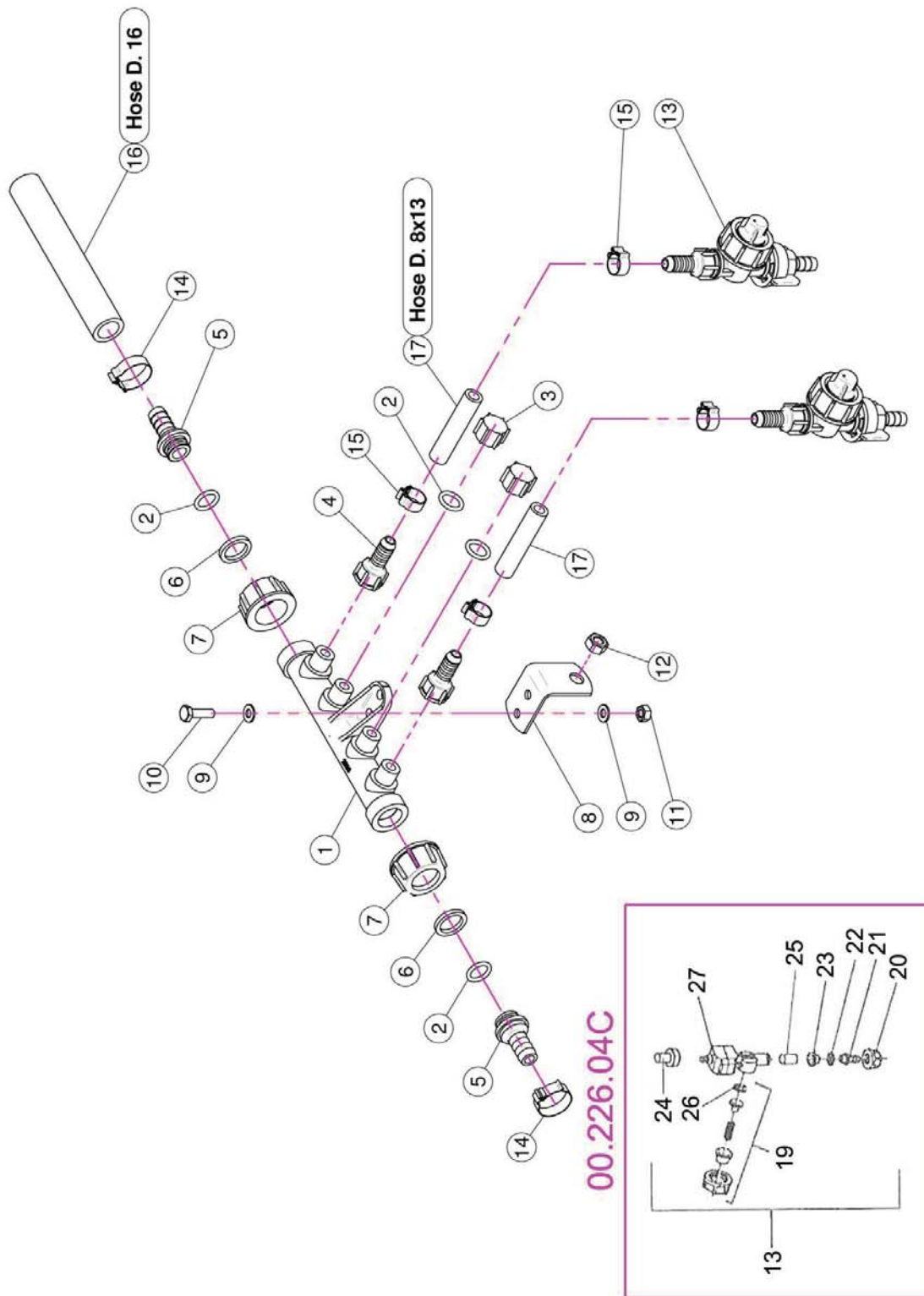
Sec. 01 FITTINGS FLOW PATH



REF #	QTY.	PART NO.	DESCRIPTION
1	1	02.008.000	Sprayheads Liquid Manifold
2	2	OR.000.117	13.1 x 18.34 x 2.62 O-Ring Gasket
3	1	02.013.000	Plug G 1/4"
4	1	02.030.010	Gasket
5	1	02.182.000	Female 3/4" Cap
6	3	02.007.011	Straight Union R.H. D.11
7	1	02.122.000	D.13 Union
8	1	02.349.000	17 x 23 x 3 Flat Gasket
9	1	00.055.045	3/4" Fly Nut
10	1	20.360.000	Bracket
11	4	RP.006.000	Washer D.6
12	2	TE.006.020T	Screw TE M6 x 20
13	2	D0.06.5588G	Nut M6
14	1	D0.08.5588G	M8 6S Big Lead Nut 5588
15	3	00.226.04C	Complete Antidrop (See Pg. 19)
16	1	FC.022.5.024	Hose Clamp 22.5 - 24
17	6	FC.014.5.016	Hose Clamp
18	As Req'd	02.211.000	Hose D.16 (Per Foot)
19	As Req'd	02.217.000	Hose D.8 x 13 (Per Foot)

4 LIQUID FLOW PATH

Sec. 02 FITTINGS, LIQUID FLOW PATH



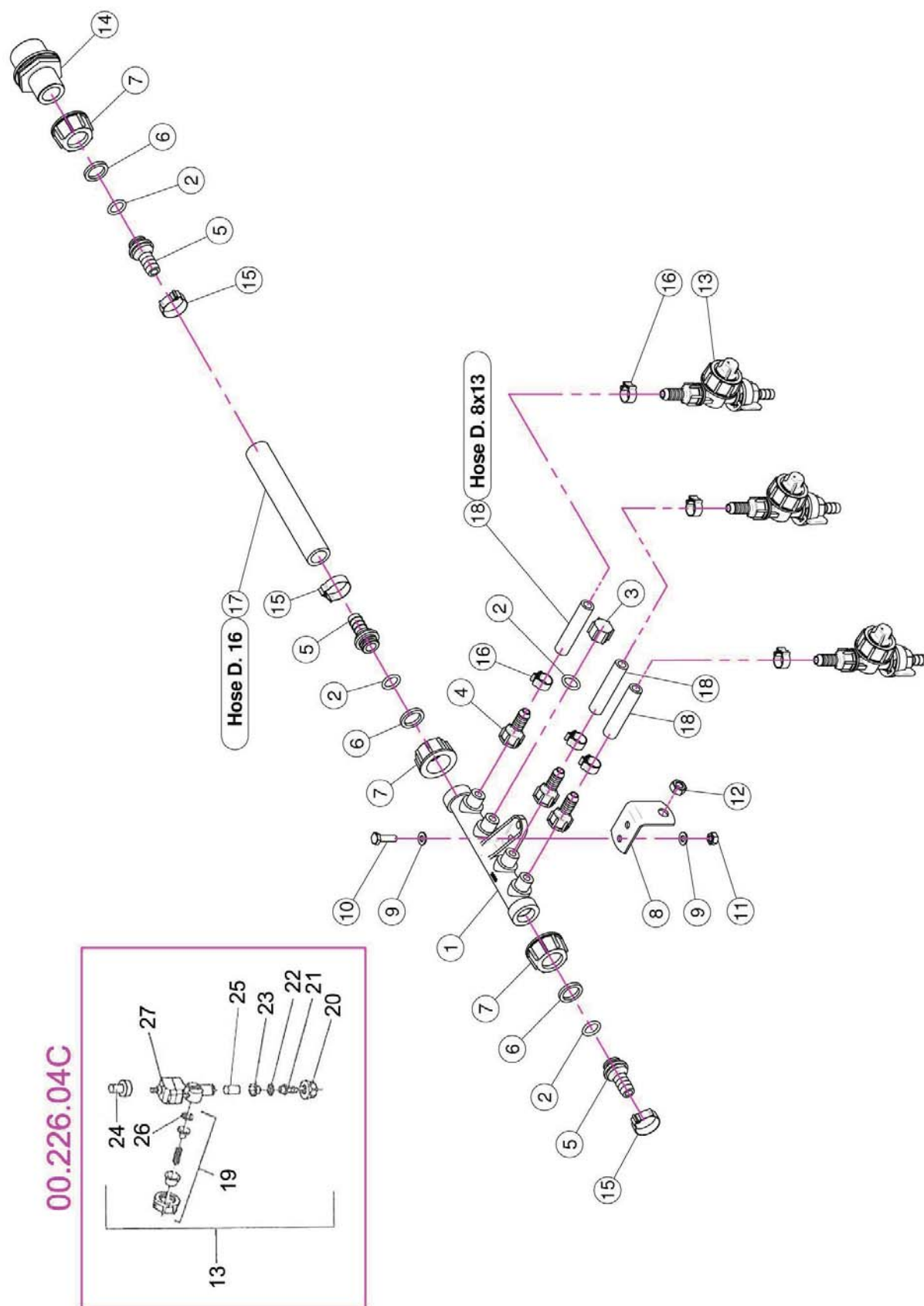
4 LIQUID FLOW PATH

Sec. 02 FITTINGS, LIQUID FLOW PATH

<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	02.008.000	Sprayheads Liquid Manifold
2	4	OR.000.117	13.1 x 18.34 x 2.62 O-Ring Gasket
3	2	02.013.000	Plug G 1/4"
4	2	02.007.011	Straight Union R.H. D.11
5	2	02.122.000	D.13 Union
6	2	02.349.000	17 x 23 x 3 Flat Gasket
7	2	00.055.045	3/4" Fly Nut
8	1	20.360.000	Bracket
9	4	RP.006.000	Washer D.6
10	2	TE.006.020T	Screw TE M6 x 20
11	2	D0.06.5588G	Nut M6
12	1	D0.08.5588G	M8 6S Big Lead Nut 5588
13	1	00.226.04C	Complete Antidrop
14	2	FC.022.5.024	Hose Clamp 22.5 - 24
15	4	FC.014.5.016	Hose Clamp
16	As Req'd	02.211.000	Hose D.16 (Per Foot)
17	As Req'd	02.217.000	Hose D.8 x 13 (Per Foot)
19	1	00.226.011	Anti-Drip Assembly
20	1	00.226.042	Cap, Quick Release
21	1	02.379.000	Hose Barb
22	1	02.309.010	Gasket
23	1	02.305.010	Disc SS 1.0
23	1	02.305.012	Disc SS 1.2
23	1	02.305.015	Disc SS 1.5
24	1	02.007.000	Hosetail
25	1	02.311.010	Filter
26	1	00.226.010	Diaphragm
27	1	00.226.041	Nozzle Body

4 LIQUID FLOW PATH

Sec. 03 FITTINGS, LIQUID FLOW PATH



00.226.04C

4 LIQUID FLOW PATH

Sec. 03 FITTINGS, LIQUID FLOW PATH

<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	02.008.000	Sprayheads Liquid Manifold
2	4	OR.000.117	13.1 x 18.34 x 2.62 O-Ring Gasket
3	1	02.013.000	Plug G 1/4"
4	3	02.007.011	Straight Union R.H. D.11
5	3	02.122.000	D.13 Union
6	3	02.349.000	17 x 23 x 3 Flat Gasket
7	3	00.055.045	3/4" Fly Nut
8	1	20.360.000	Bracket
9	4	RP.006.000	Washer D.6
10	2	TE.006.020T	Screw TE M6 x 20
11	2	D0.06.5588G	Nut M6
12	1	D0.08.5588G	M8 6S Big Lead Nut 5588
13	1	00.226.04C	Complete Antidrop
14	1	02.293.000	1" M - 3/4" M Reducer Nipple
15	3	FC.022.5.024	Hose Clamp 22.5 - 24
16	6	FC.014.5.016	Hose Clamp
17	As Req'd	02.211.000	Hose D.16 (Per Foot)
18	As Req'd	02.217.000	Hose D.8 x 13 (Per Foot)
19	1	00.226.011	Anti-Drip Assembly
20	1	00.226.042	Cap, Quick Release
21	1	02.379.000	Hose Barb
22	1	02.309.010	Gasket
23	1	02.305.010	Disc SS 1.0
23	1	02.305.012	Disc SS 1.2
23	1	02.305.015	Disc SS 1.5
24	1	02.007.000	Hosetail
25	1	02.311.010	Filter
26	1	00.226.010	Diaphragm
27	1	00.226.041	Nozzle Body

5 LIMITED WARRANTY



GEARMORE, INC., warrants each new Gearmore product to be free from defects in material and workmanship for a period of twelve (12) months from date of purchase to the original purchaser. This warranty shall not apply to implements or parts that have been subject to misuse, negligence, accident, or that have been altered in any way.

Our obligation shall be limited to repairing or replacement of any part, provided that such part is returned within thirty (30) days from date of failure to Gearmore through the dealer from whom the purchase was made, transportation charges prepaid.

This warranty shall not be interpreted to render us liable for injury or damages of any kind or nature, direct, consequential or contingent, to person or property. This warranty does not extend to loss of crops, loss because of delay in harvesting or any other expenses, for any other reasons.

Gearmore in no way warrants engines, tires, or other trade accessories, since these items are warranted separately by these respective manufacturers.

Gearmore reserves the right to make improvements in design or changes in specification at any time, without incurring any obligations to owners or units previously sold.

GEARMORE, INC.
13477 Benson Ave.
Chino, CA 91710

Always refer to and heed machine operating warning decals on machine.

*To validate the warranty on this product, please log-in to our website - www.gearmore.com.
You will find "warranty registration" listed at the top of our homepage.*