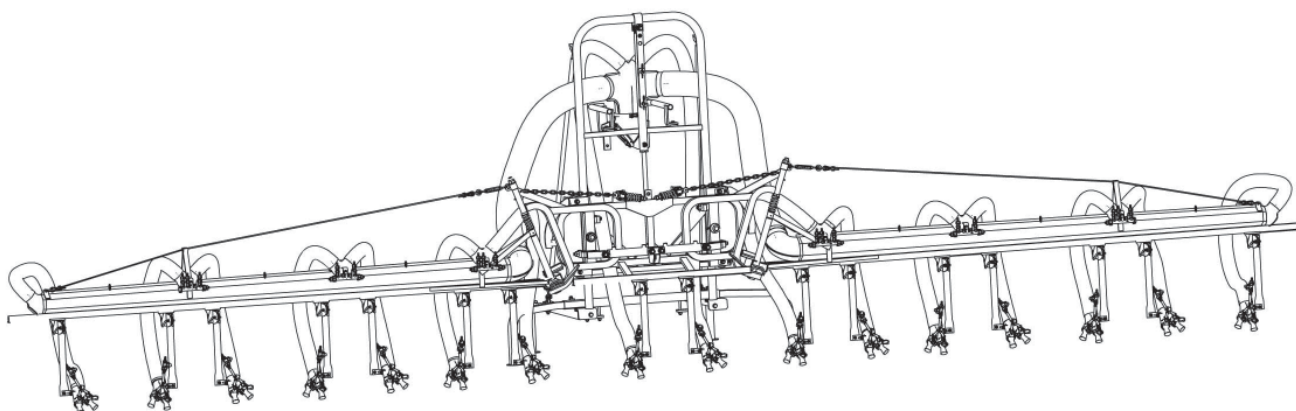




VENTURI AIR SPRAYERS 27 FOOT - 8 ROW AIR BOOM



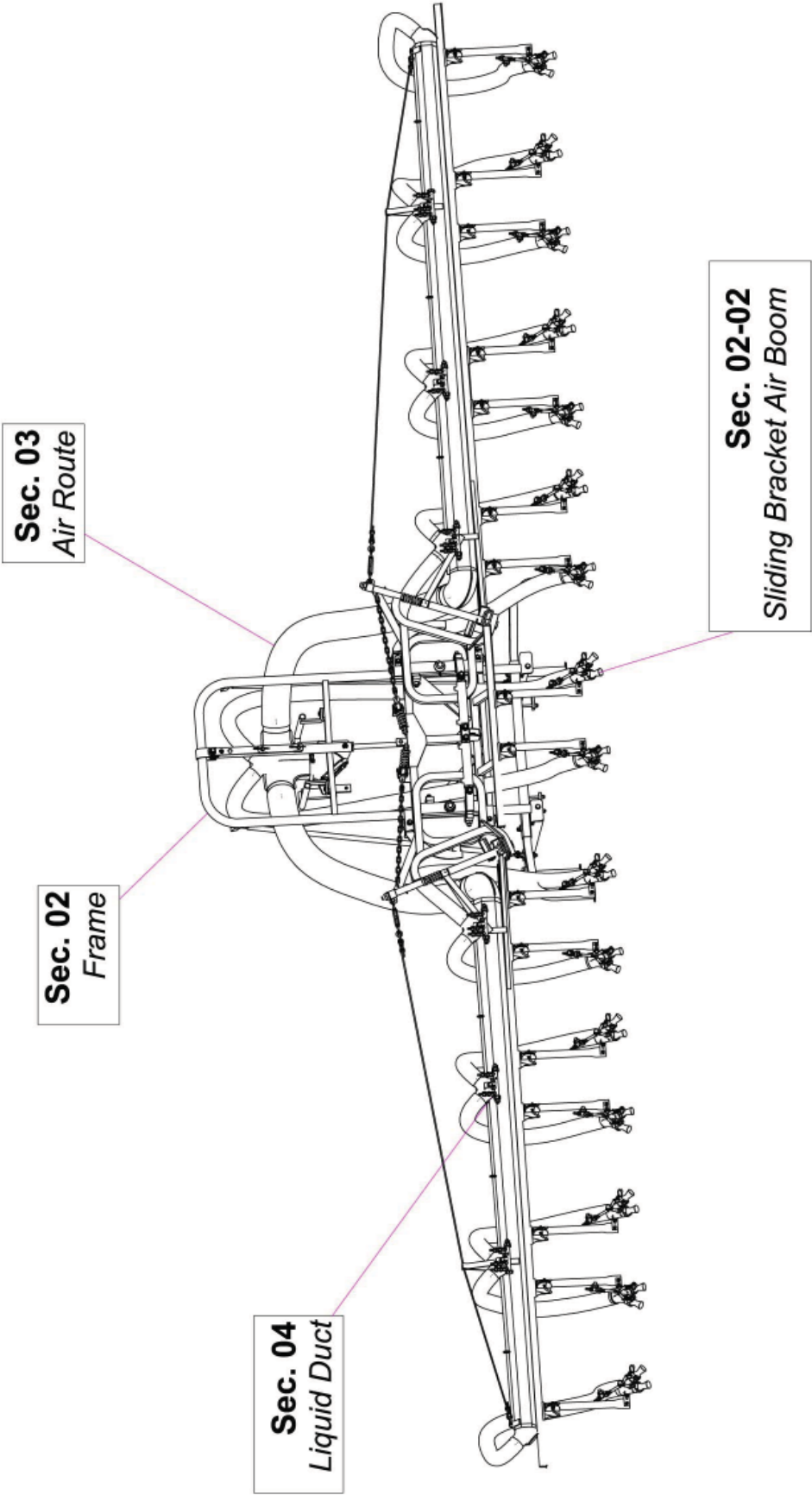
PARTS MANUAL FOR T.BPN.08.08.2G BOOM FOR P50S1 SPRAYER

April 2014

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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: _____

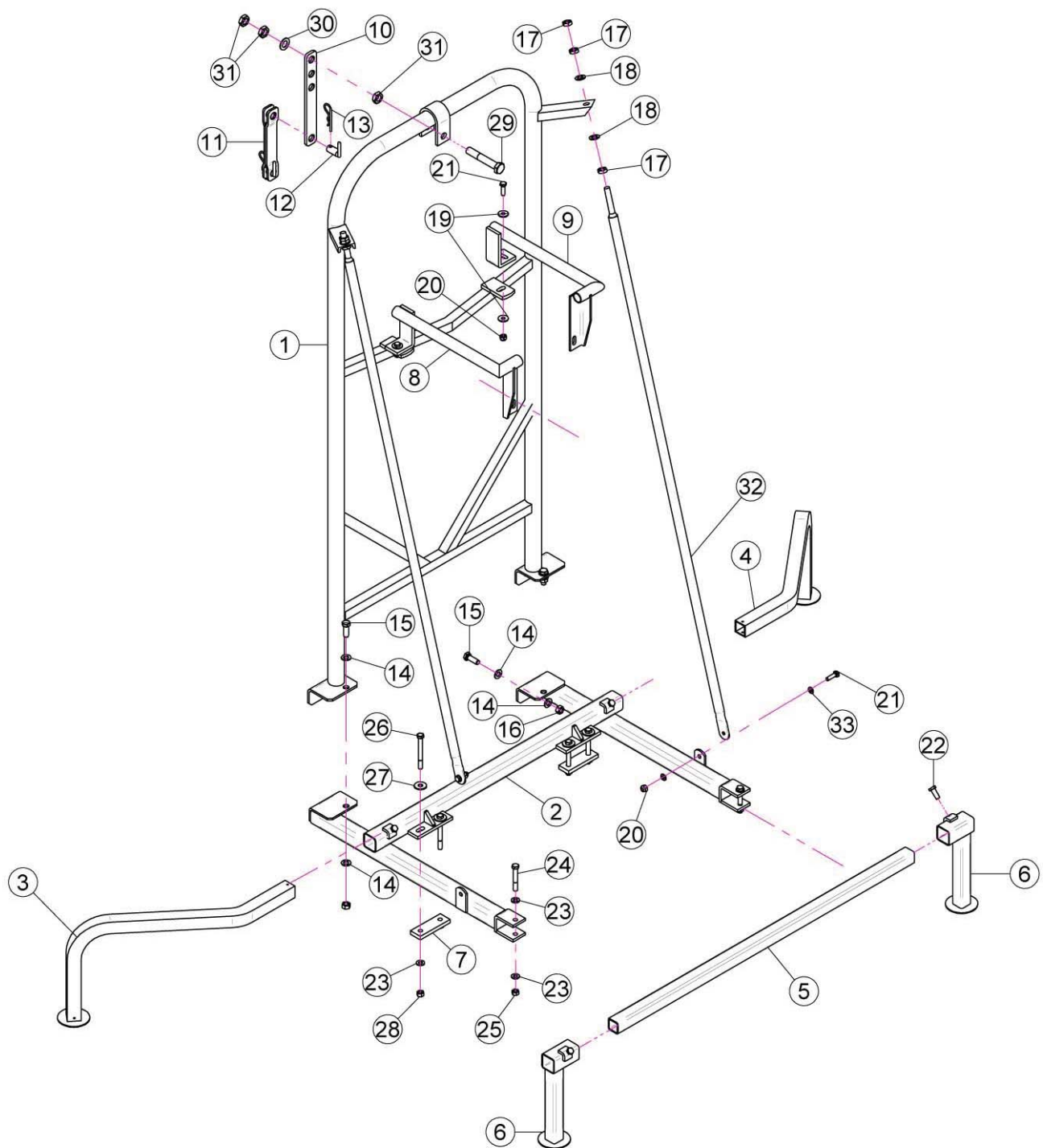
DATE OF PURCHASE: _____

MODEL NUMBER: _____

SERIAL NUMBER: _____

2 COMPLETE FRAME

Sec. 01 MAIN FRAME (20.388.201)



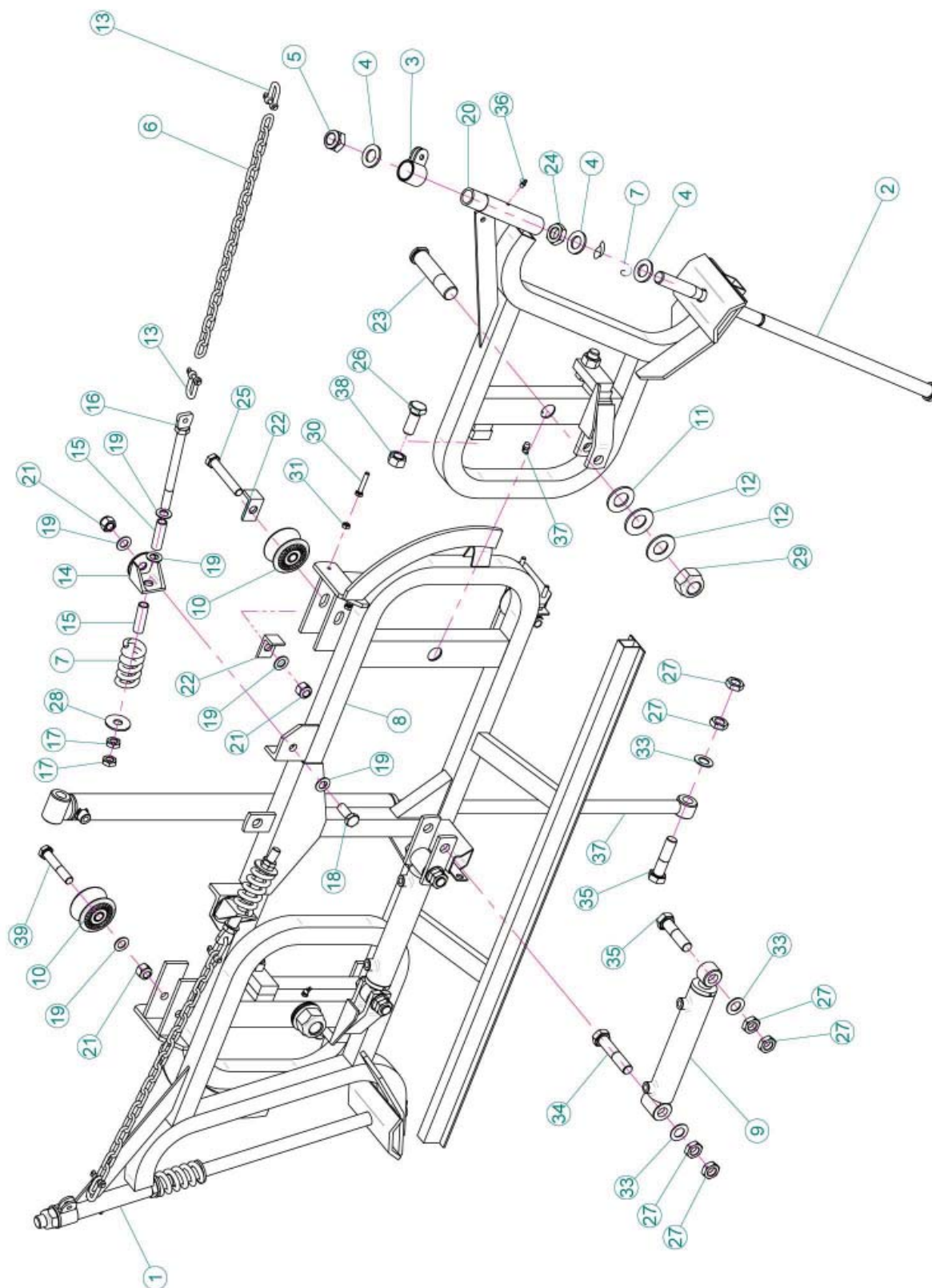
2 COMPLETE FRAME

Sec. 01 MAIN FRAME

<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	20.072.002	Central Frame
2	1	20.046.131	Lower Frame
3	1	02.858.0DX	Right Rear Leg
4	1	02.858.0SX	Left Rear Leg
5	1	02.872.000	Holding Rod
6	2	02.857.000	Front Leg
7	2	02.859.100	Bracket Frame Fixing
8	1	20.073.111DX	Right Bracket Frame Fixing
9	1	20.073.111SX	Left Bracket Frame Fixing
10	1	20.049.000	Upper Boom Stretcher
11	1	20.056.000	Lower Boom Stretcher
12	2	20.051.000	Stretcher Pin
13	2	00.100.004	Split Pin D.4
14	8	RP.014.000	Washer D.14
15	4	TE.014.040T	Screw TE M14 x 40
16	4	D0.14.5587G	Nut M14
17	6	D0.16.5588G	Lower Nut M16
18	4	RP.016.000	Washer D.16
19	4	RP.010.030	Washer D.10 x 30 mm
20	4	DA.010.0AG	Self Locking Nut M10
21	4	TE.010.035T	Screw TE 10 x 35
22	4	TE.012.030T	Screw TE 12 x 30
23	8	RP.012.000	Washer D.12
24	2	TE.012.080	Bolt TE M12 x 80
25	2	D0.12.5588G	M12 6S Big Lead Nut 5588
26	4	TE.012.110	Screw TE M12 x 110
27	4	RP.012.036	Washer D12 x 36
28	4	D0.12.5587G	M12 Nut
29	1	TE.020.120	Screw TE M20 x 120
30	1	RP.020.000	Washer D.20
31	3	D0.20.5589G	Lower Nut M20
32	2	02.856.001	Rod Frame
33	4	RP.010.000	Washer D.10

2 COMPLETE FRAME

Sec. 02 SLIDE FRAME ASSY (20.389.000)



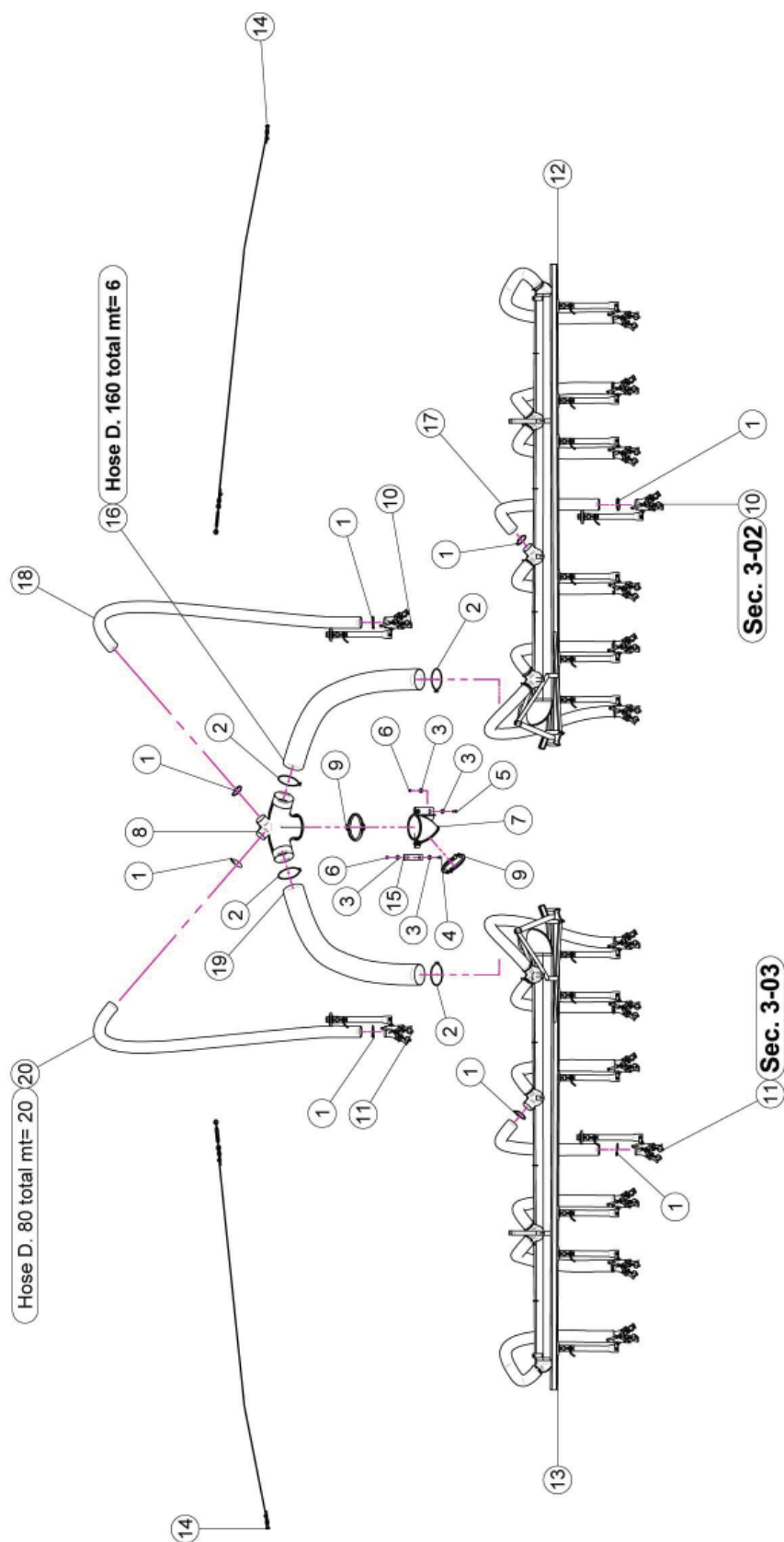
2 COMPLETE FRAME

Sec. 02 SLIDE FRAME ASSY

<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	20.053.000SX	Left Supporting Joint
2	2	20.055.000	Steady Pin
3	2	20.054.000	Bushing
4	6	RP.024.000	Washer D.24
5	2	DA.024.0BG	Self Locking Nut M24
6	2	02.387.055	Chain
7	4	02.821.000	Spring
8	1	20.052.010	Sliding Central Frame
9	2	02.838.01C	Cylinder
10	4	02.846.000	Roller
11	2	RP.030.000	Washer
12	4	MT.030.000	Special Washer D.30
13	4	02.853.000	Lock
14	2	20.058.000	Shock Absorber Support
15	As Req'd	02.212.000	Hose D.19 L=60
16	2	20.057.000	Pin
17	4	D0.16.5587G	Nut M16
18	2	TE.016.040T	Screw TE 16 x 40
19	12	RP.016.000	Washer D.16
20	1	20.053.000DX	Left Supporting Joint
21	6	DA.016.0AG	Self Locking Nut M16
22	4	02.847.000	Roller
23	2	20.050.000	Special Bolt
24	2	D0.24.5588G	Lower Nut M24
25	2	TE.016.100	Screw TE M10 x 100
26	4	TE.020.050T	Screw TE M20 x 50
27	10	D0.20.5589G	Lower Nut M20
28	2	RP.016.048	Washer
29	2	DA.030.0AF	Self Locking Nut M30
30	4	TE.008.045T	Screw TE M8 x 45
31	4	D0.08.5588G	Nut M8
32	2	ID.010.001	Grease Nipple
33	5	RP.020.000	Washer D.20
34	2	TE.020.100	Screw TE M20 x 100
35	3	TE.020.080	Screw TE M20 x 80
36	2	ID.008.001	Greaser
37	1	21.115.000	Jack Shaft D.50 Stroke 640 mm
38	4	D0.20.5587G	Nut M20
39	2	TE.016.090	Screw TE M16 x 90

3 AIR ROUTE

Sec. 01 AIR ROUTING



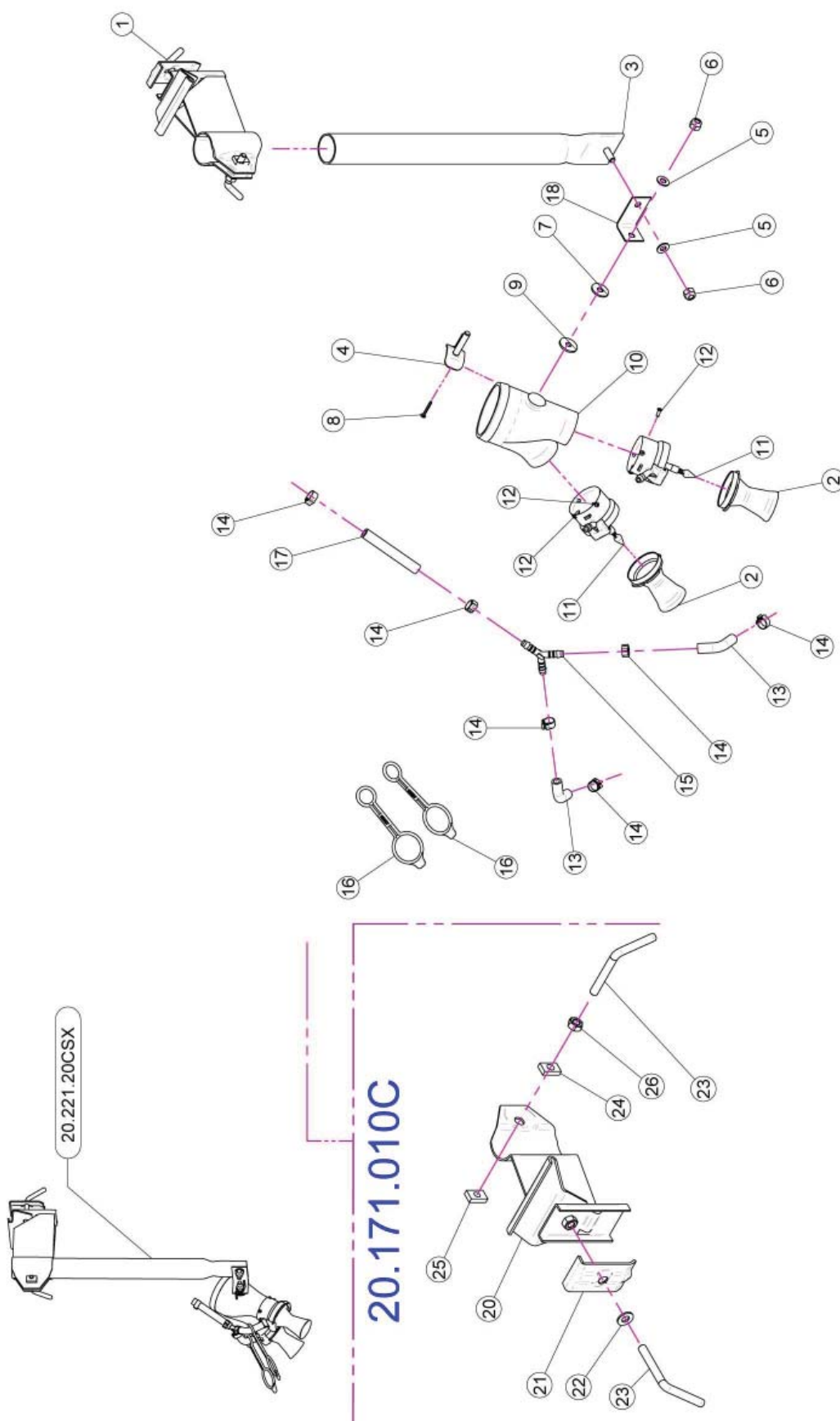
3 AIR ROUTE

Sec. 01 AIR ROUTING

<u>REF.</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	32	F0.080.000	Clamp D.80
2	4	F0.150.000	Clamp D.150
3	8	RP.010.030	Washer D.10 x 30 mm
4	1	TE.010.035T	Screw TE 10 x 35
5	3	TE.010.050T	Screw TE M10 x 50
6	4	D0.10.5587G	Nut M10
7	1	04.877.000	45° Bend D.175
8	1	02.841.000	Two Outlets Body D.150 and D.80
9	2	05.616.000	Pipe Clamp D.175
10	8	20.221.20CDX	2 Nozzles Kit D.80 With Bracket
11	8	20.221.20CSX	2 Nozzles Kit D.80 With Bracket
12	1	20.062.010DX	Right Side Section B.PN.8m
13	1	20.062.010SX	Left Side Section B.PN.8m
14	2	02.850.310C	Steel Cable
15	2	02.992.000	Bracket
16	As Req'd	6"RFH+	Hose D.150 L=2100 (Per Foot)
17	As Req'd	80MMRFH+	Hose D.80 L=1100 (Per Foot)
18	As Req'd	80MMRFH+	Hose D.80 L=1300 (Per Foot)
19	As Req'd	6"RFH+	Hose D.150 L=2100 (Per Foot)
20	As Req'd	80MMRFH+	Hose D.80 L=1300 (Per Foot)

3 AIR ROUTE

Sec. 02 NOZZLE & DROP ASSY. LH



3 AIR ROUTE

Sec. 02 NOZZLE & DROP ASSY. LH

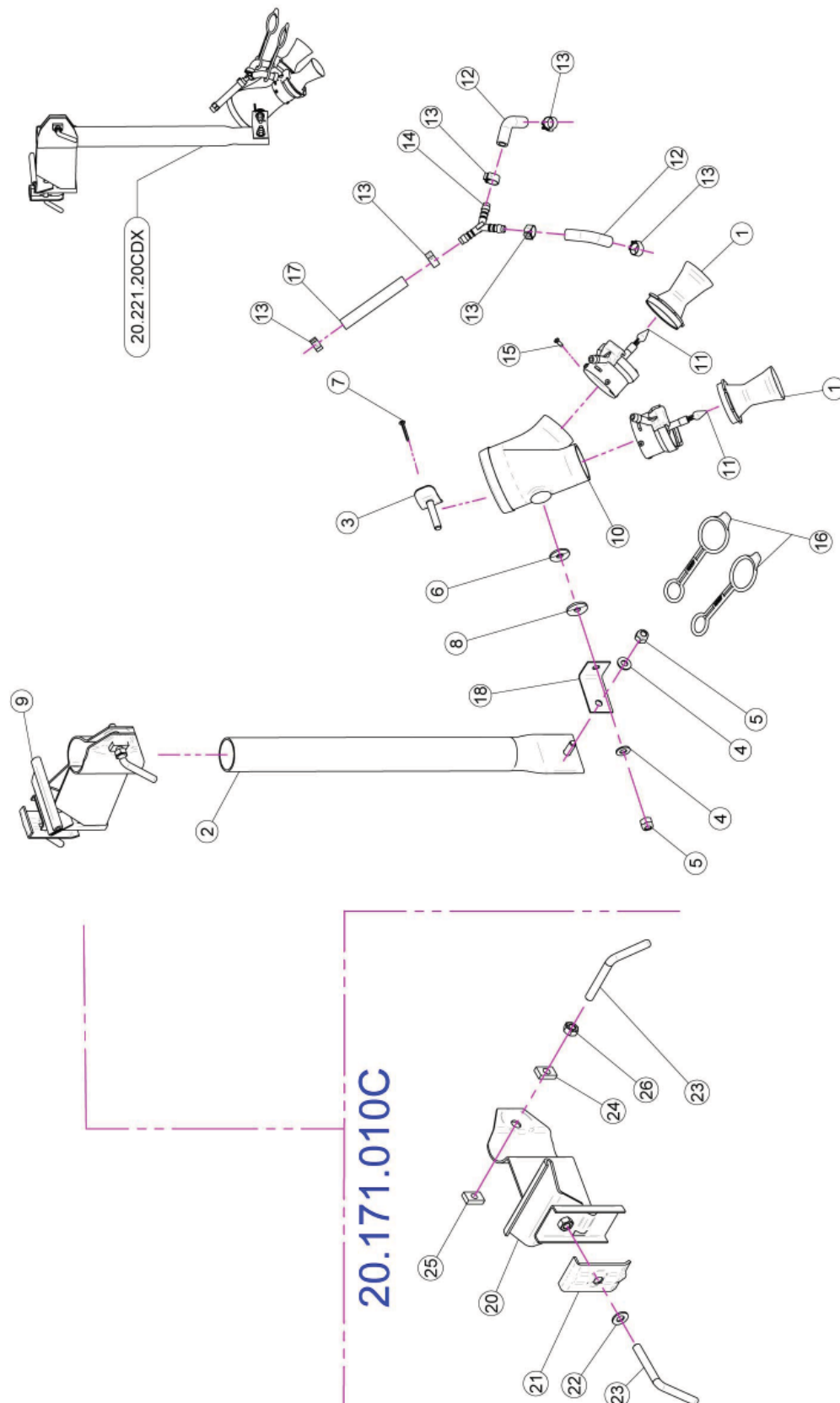
<u>REF.</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	20.171.010C	Sliding Bracket Air Boom
2	2	00.003.5.50	Nozzle 3.5 / 50
3	1	20.266.001	Bracket
4	1	21.059.200	Fixing Screw For Nozzle
5	2	RP.008.000	Washer D.8
6	2	DA.008.0AG	Self Locking Nut M8
7	1	RP.008.024	Washer D.8 x 24
8	2	RV.4.8.026	Rivet D.4.8 x 16
9	1	21.112.000	Washer D.26 x 8 x 2.5
10	1	00.217.100SX	2 Nozzles Body
11	2	20.016.01C	Pipe With Olive
12	8	TA.03.5.09.51	Self Threading D.3.5 x 9.5
13	As Req'd	02.217.000	Hose D.8 x 13 L=50
14	6	FC.013.5.015	Hose Clamp
15	1	02.077.010	Y Fitting
16	2	20.697.000	Nozzle Stop
17	As Req'd	02.217.000	Hose D.8 x 13 L=90
18	1	02.195.100C	Fixing Plate

20.171.010C

20	1	20.171.010	Sliding Bracket
21	1	20.068.000	Bracket
22	1	RP.008.000	Washer D.8
23	2	20.069.000	Threaded Handle M8
24	1	20.071.000	Square Nut M8
25	1	20.070.000	Square Nut M8
26	1	D0.08.5588G	Nut M8

3 AIR ROUTE

Sec. 03 NOZZLE & DROP ASSY. RH



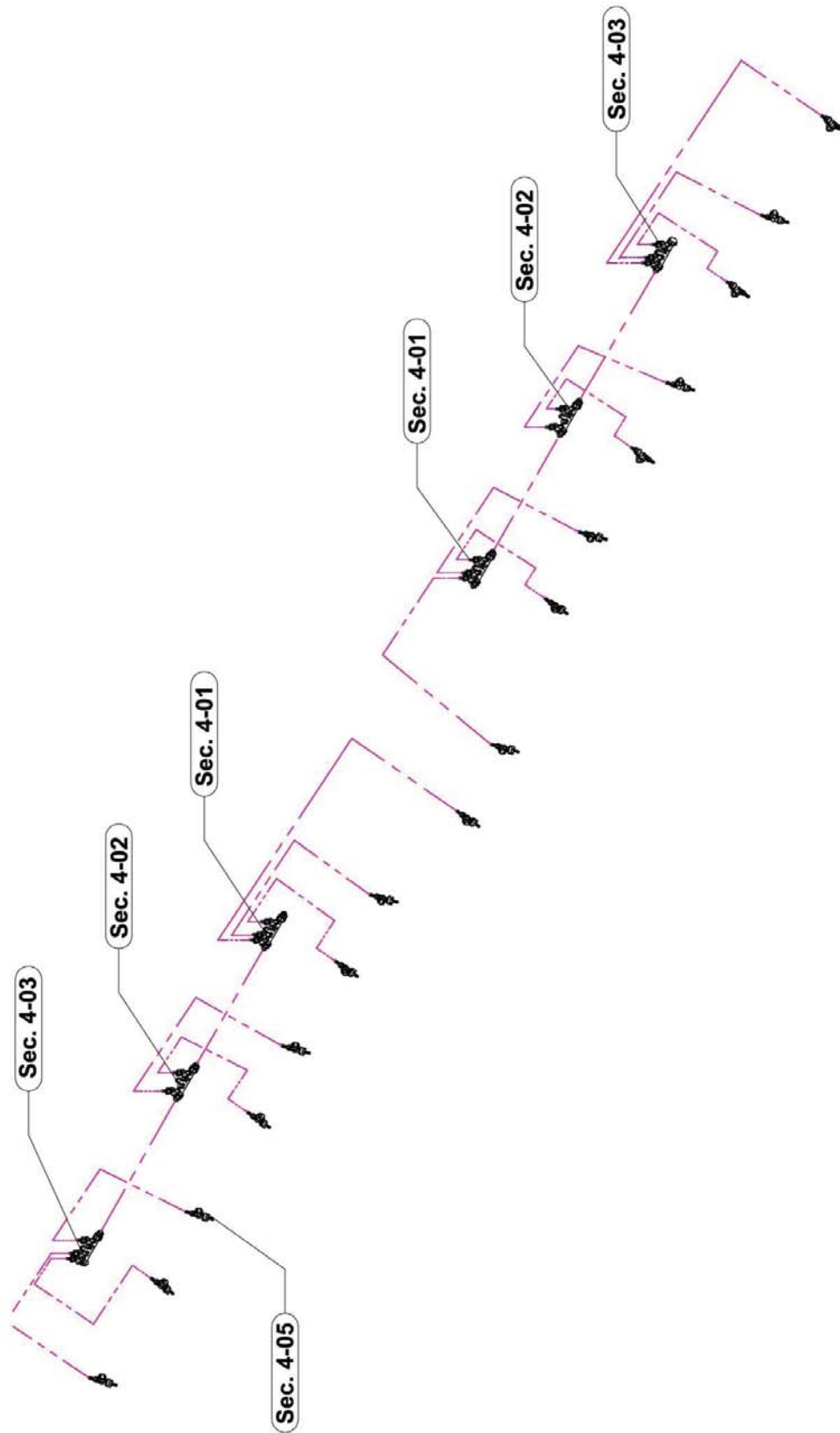
3 AIR ROUTE

Sec. 03 NOZZLE & DROP ASSY. RH

<u>REF.</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	2	00.003.5.50	Nozzle 3.5 / 50
2	1	20.266.001	Bracket
3	1	21.059.200	Fixing Screw For Nozzle
4	2	RP.008.000	Washer D.8
5	2	DA.008.0AG	Self Locking Nut M8
6	1	RP.008.024	Washer D.8 x 24
7	2	RV.4.8.026	Rivet D.4.8 x 16
8	1	21.112.000	Washer D.26 x 8 x 2.5
9	1	20.171.010C	Sliding Bracket Air Boom
10	1	00.217.100DX	2 Nozzles Body
11	2	20.016.01C	Pipe With Olive
12	As Req'd	02.217.000	Hose D.8 x 13 L=50 (Per Foot)
13	6	FC.013.5.015	Hose Clamp
14	1	02.077.010	Y Fitting
15	8	TA.03.5.09.51	Self Threading D.3.5 x 9.5
16	2	20.697.000	Nozzle Stop
17	As Req'd	02.217.000	Hose D.8 x 13 L=90 (Per Foot)
18	1	02.195.100.C	Fixing Plate

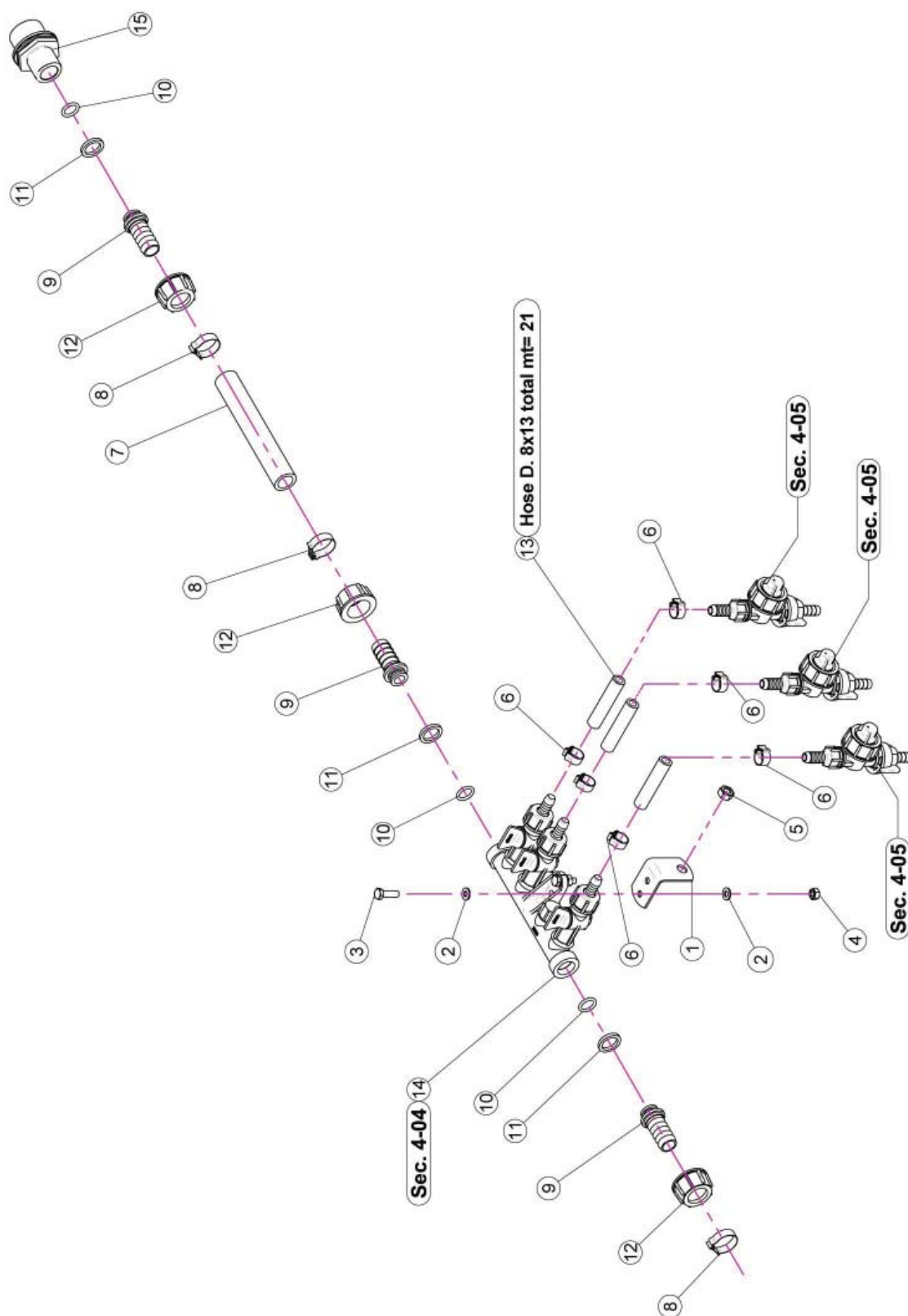
20.171.010C

20	1	20.171.010	Sliding Bracket
21	1	20.068.000	Bracket
22	1	RP.008.000	Washer D.8
23	2	20.069.000	Threaded Handle M8
24	1	20.071.000	Square Nut M8
25	1	20.070.000	Square Nut M8
26	1	D0.08.5588G	Nut M8



4

Sec. 01 VALVE MANIFOLD



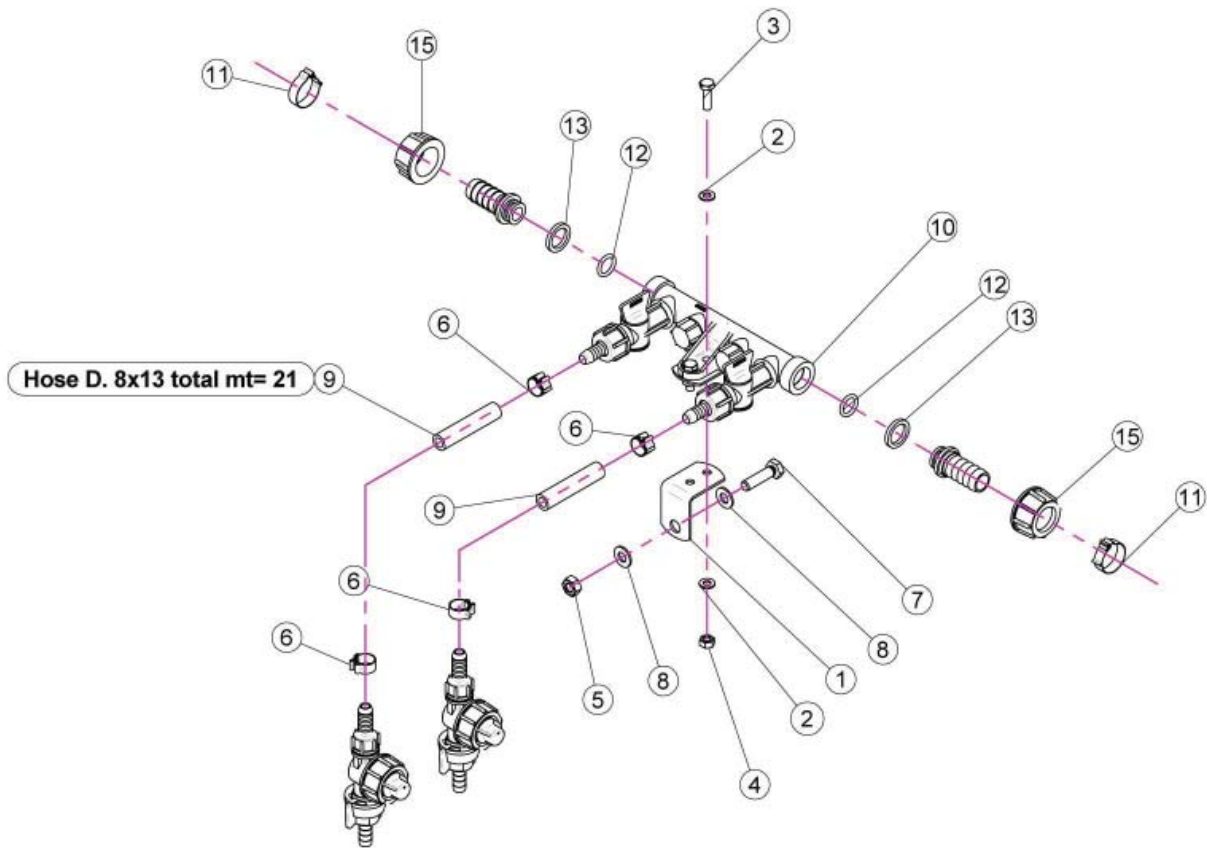
4 LIQUID FLOW

Sec. 01 VALVE MANIFOLD

<u>REF.</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	20.360.000	Bracket
2	4	RP.006.000	Washer D.6
3	2	TE.006.020T	Screw TE M6 x 20
4	2	D0.06.5588G	Nut M6
5	1	D0.08.5588G	M8 6S Big Lead Nut 5588
6	6	FC.014.5.016	Hose Clamp
7	As Req'd	02.211.000	Hose D.16 (Per Foot)
8	3	FC.022.5.024	Hose Clamp 22.5 - 24
9	3	02.002.000	Straight Union 3/4" R.H. 16
10	3	OR.000.117	13.1 x 18.34 x 2.62 O-Ring Gasket
11	3	02.349.000	17 x 23 x 3 Flat Gasket
12	3	00.055.045	3/4" Fly Nut
13	As Req'd	02.217.000	Hose D.8 x 13 (Per Foot)
14	1	02.008.203C	3 Taps Liquid Manifold
15	1	02.293.000	1" M - 3/4" M Reducer Nipple

4 LIQUID FLOW

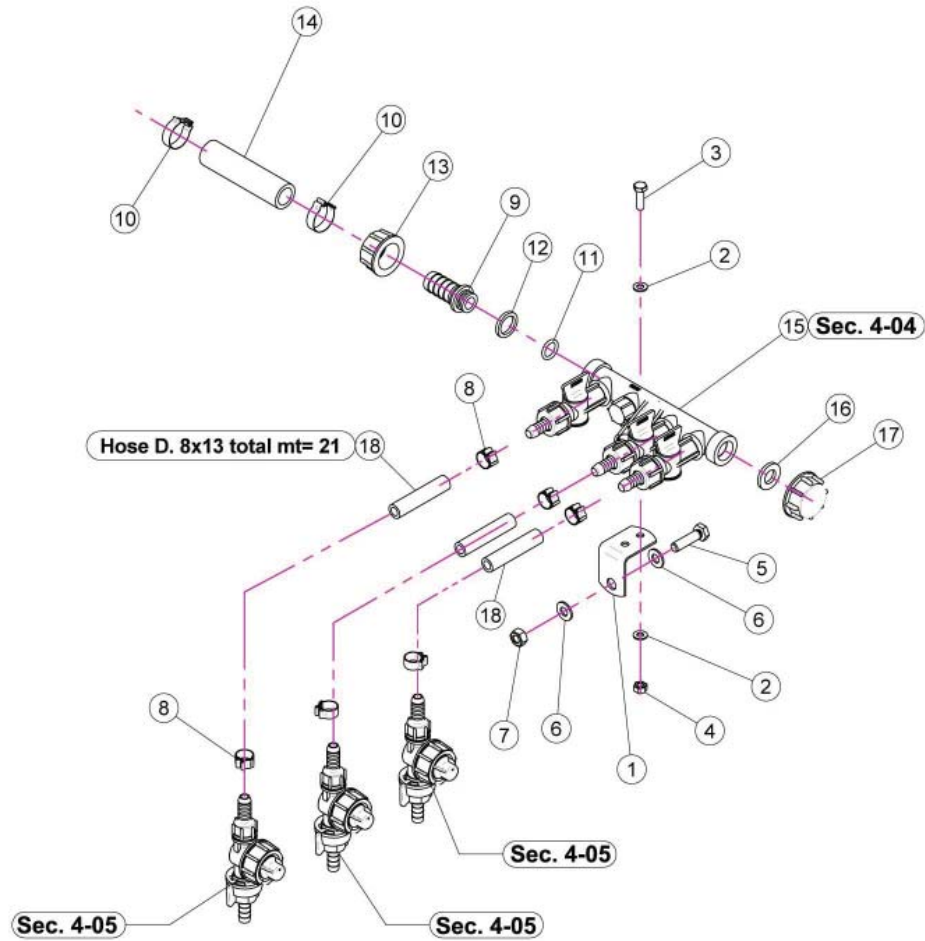
Sec. 02 VALVE MANIFOLD



<u>REF.</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	2	20.360.000	Bracket
2	4	RP.006.000	Washer D.6
3	2	TE.006.020T	Screw TE M6 x 20
4	2	D0.06.5588G	Nut M6
5	2	D0.08.5588G	M8 6S Big Lead Nut 5588
6	4	FC.014.5.016	Hose Clamp
7	1	TE.008.030T	Screw TE M8 x 30
8	2	RP.008.000	Washer D.8
9	As Req'd	02.217.000	Hose D.8 x 13 (Per Foot)
10	1	02.008.202C	2 Taps Liquid Manifold
11	2	FC.022.5.024	Hose Clamp 22.5 - 24
12	2	OR.000.117	13.1 x 18.34 x 2.62 O-Ring Gasket
13	2	02.349.000	17 x 23 x 3 Flat Gasket
14	2	02.002.000	Straight Union 3/4" R.H. 16
15	2	00.055.045	3/4" Fly Nut

4 LIQUID FLOW

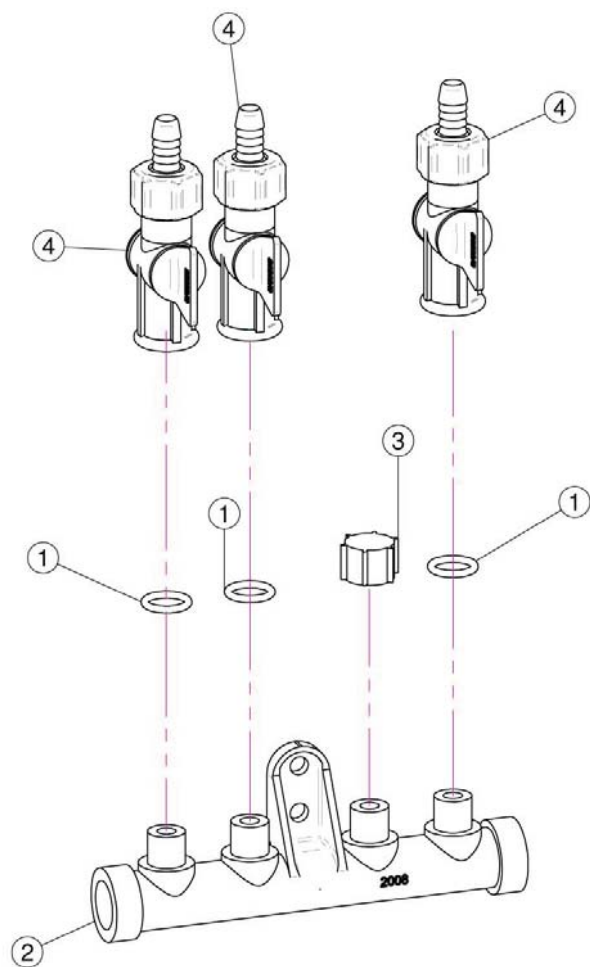
Sec. 3 VALVE MANIFOLD



REF.	QTY.	PART NO.	DESCRIPTION
1	1	20.360.000	Bracket
2	4	RP.006.000	Washer D.6
3	2	TE.006.020T	Screw TE M6 x 20
4	2	D0.06.5588G	Nut M6
5	1	TE.008.030T	Screw TE M8 x 30
6	2	RP.008.000	Washer D.8
7	1	D0.08.5588G	M8 6S Big Lead Nut 5588
8	6	FC.014.5.016	Hose Clamp
9	2	02.002.000	Straight Union 3/4" R.H. 16
10	2	FC.022.5.024	Hose Clamp 22.5 - 24
11	2	OR.000.117	13.1 x 18.34 x 2.62 O-Ring Gasket
12	2	02.349.000	17 x 23 x 3 Flat Gasket
13	2	00.055.045	3/4" Fly Nut
14	As Req'd	02.211.000	Hose D.16 (Per Foot)
15	1	02.008.203C	3 Taps Liquid Manifold
16	1	02.030.010	Gasket
17	1	02.182.000	Female 3/4" Cap
18	As Req'd	02.217.000	Hose D.8 x 13 (Per Foot)

4 LIQUID FLOW

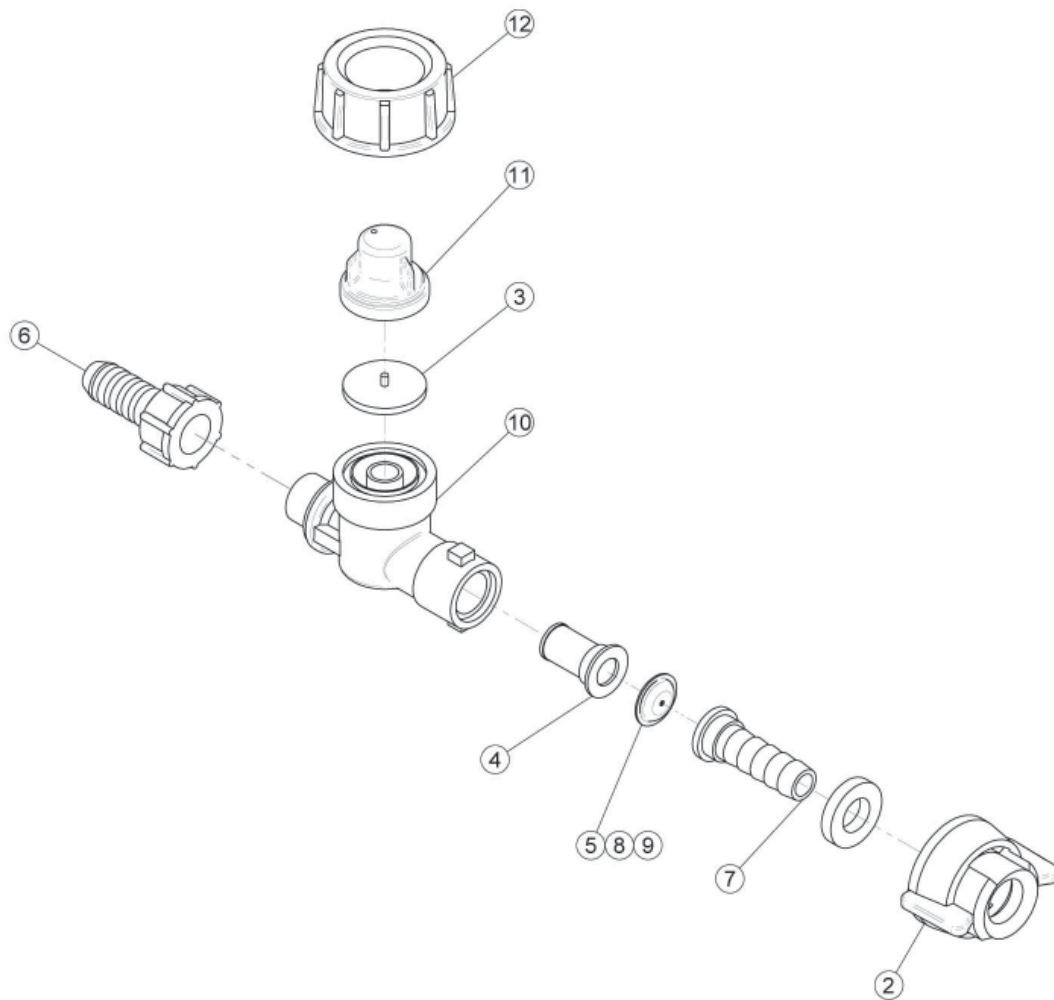
Sec. 04 SPRAY HEAD (02.008.203C)



<u>REF.</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	3	OR.000.117	13.8 x 18.34 x 2.62 O-Ring Gasket
2	1	02.008.000	Sprayheads Liquid Manifold
3	1	02.013.000	Plug G 1/4"
4	3	20.202.200	Valve F. 1/4 Gas With Rubber Holder D.10

4 LIQUID FLOW

Sec. 05 COMPLETE ANTI-DRIP NOZZLE ASSEMBLY (00.226.105C)



<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
2	1	00.226.142	Fly Nut + Gasket
3	1	00.226.010	Viton Gasket
4	1	02.311.010	50 Mesh Filter
5	1	02.305.012	D 1.2 Stainless Steel Disc (Standard)
6	1	02.007.011	Straight Union R.H. Ø11
7	1	02.379.020	Straight Union R.H. 10
8	1	02.305.010	D 1 Stainless Steel Disc
9	1	02.305.015	D 1.5 Stainless Steel Disc
10	1	00.226.041.A	Anti-Drip Body
11	1	00.226.041.C	Gasket
12	1	00.226.045	3/4" Fly Nut

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.*