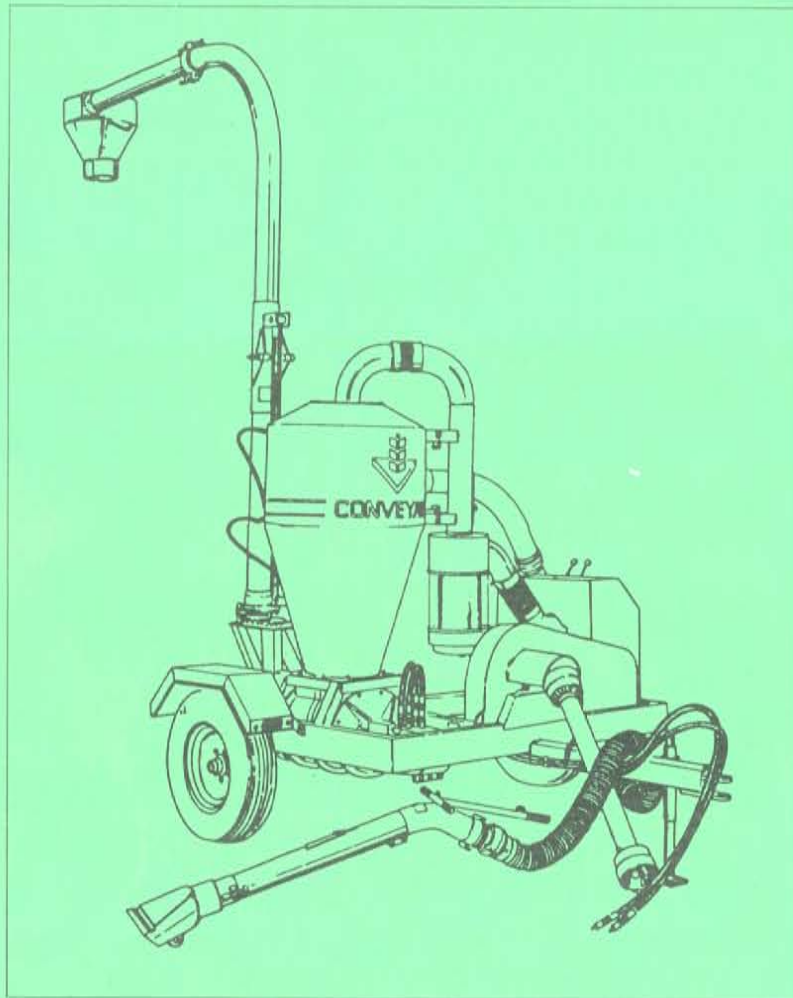




CONVEYAIRTM

GRAIN VAC



PARTS MANUAL

DELUXE MODELS
3005, 3505 AND 4005

PARTS ORDERING

CANADA

**VANA INDUSTRIES LTD.
92 DEBAETS STREET
WINNIPEG, MANITOBA R2J 3S9
PHONE (204) 661-6660
FAX (204) 663-8238**

INTRODUCTION

This manual contains a parts list for your machine. It is divided into major sections which correspond to the groups shown in the Table of Contents and the accompanying illustration.

The first page of each major section lists the contents of that section, each of which consists of exploded views and related tabular listings.

WHEN ORDERING PARTS

Always give your dealer the Model and Serial Number of your machine to assist him in ordering and obtaining the correct parts. Use the exploded view and tabular listing of the area of interest to exactly identify the required part.

USING THE MANUAL

Parts data consists of exploded view illustrations and associated parts list tables which are read as follows:

ITEM

The item number is the identifier number from the illustration. For example, number 3 on an illustration points to a component which is item 3 on the accompanying table.

PART NUMBER

The part number is the number by which the component may be identified and ordered from **Vana Industries Ltd.** and its network of dealers.

DESCRIPTION

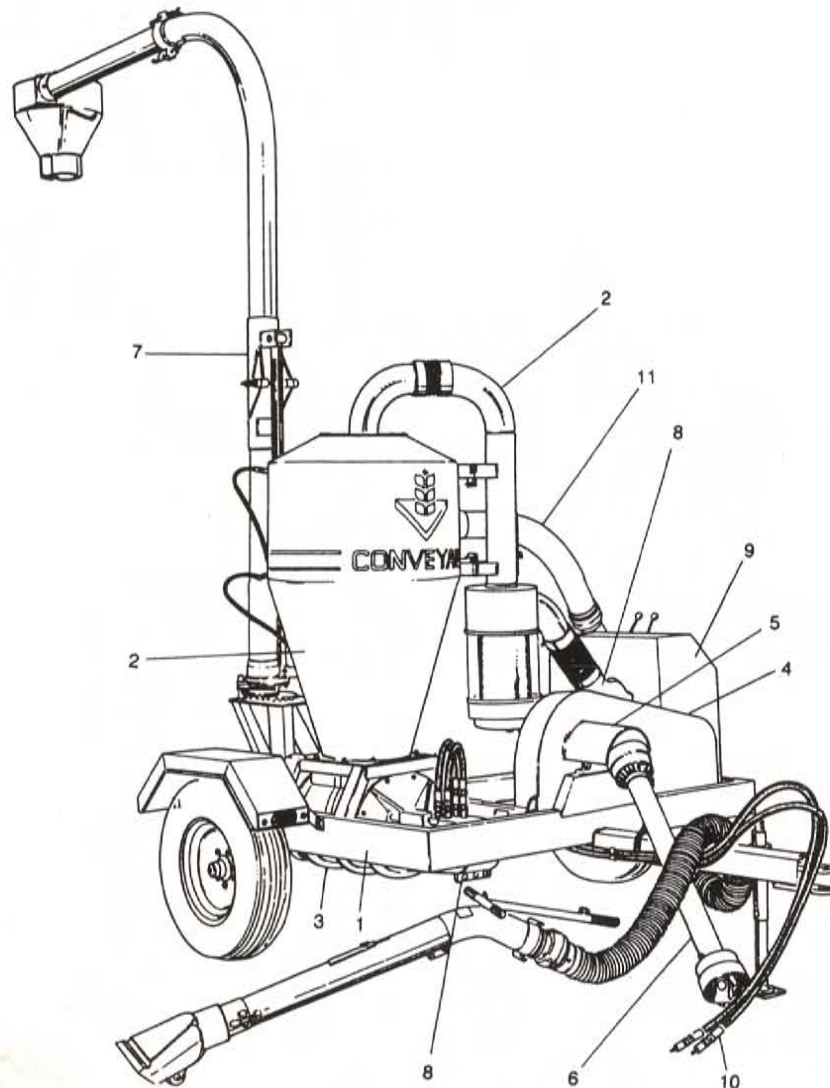
This column contains the name and description of the part.

QUANTITY

This column shows the quantity of each part used on the component for the model listed on the top. The abbreviation AR means the quantity is As Required.

TABLE OF CONTENTS DELUXE MODELS

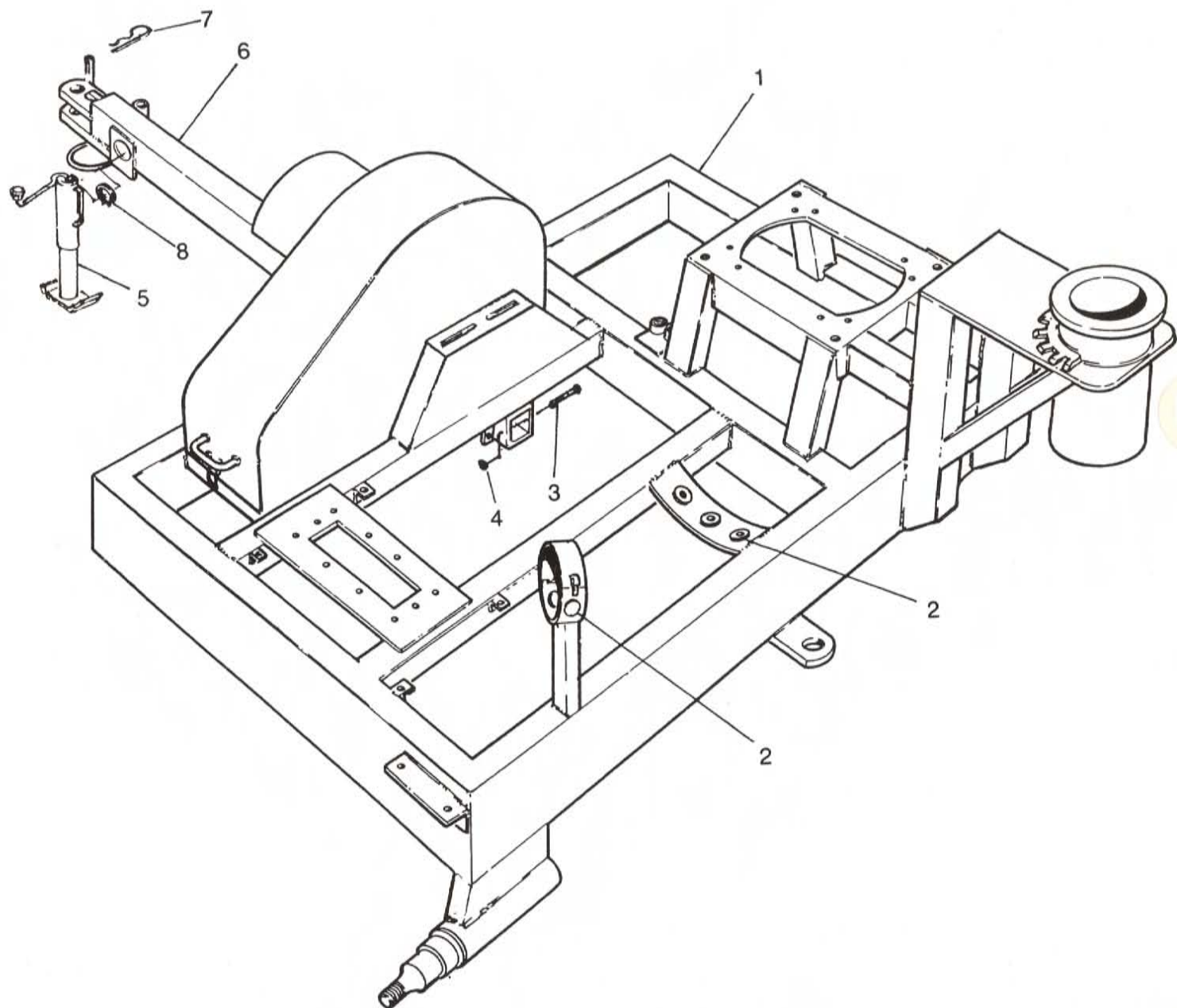
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8	Airlines	8.1
9	Cabinet	9.1
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11	Accessories	11.1
12	Accessory Carrier	12.1



FRAME

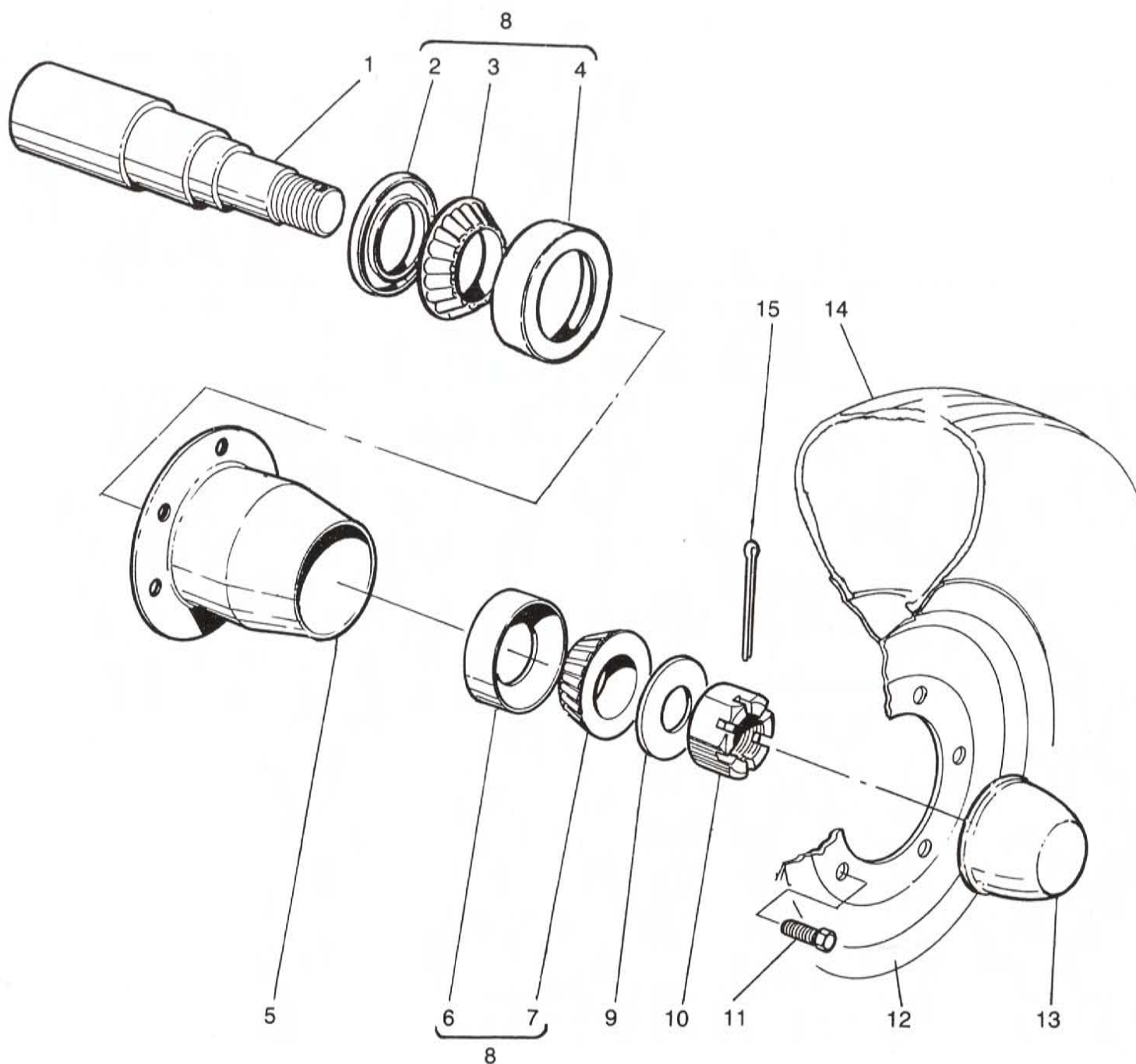
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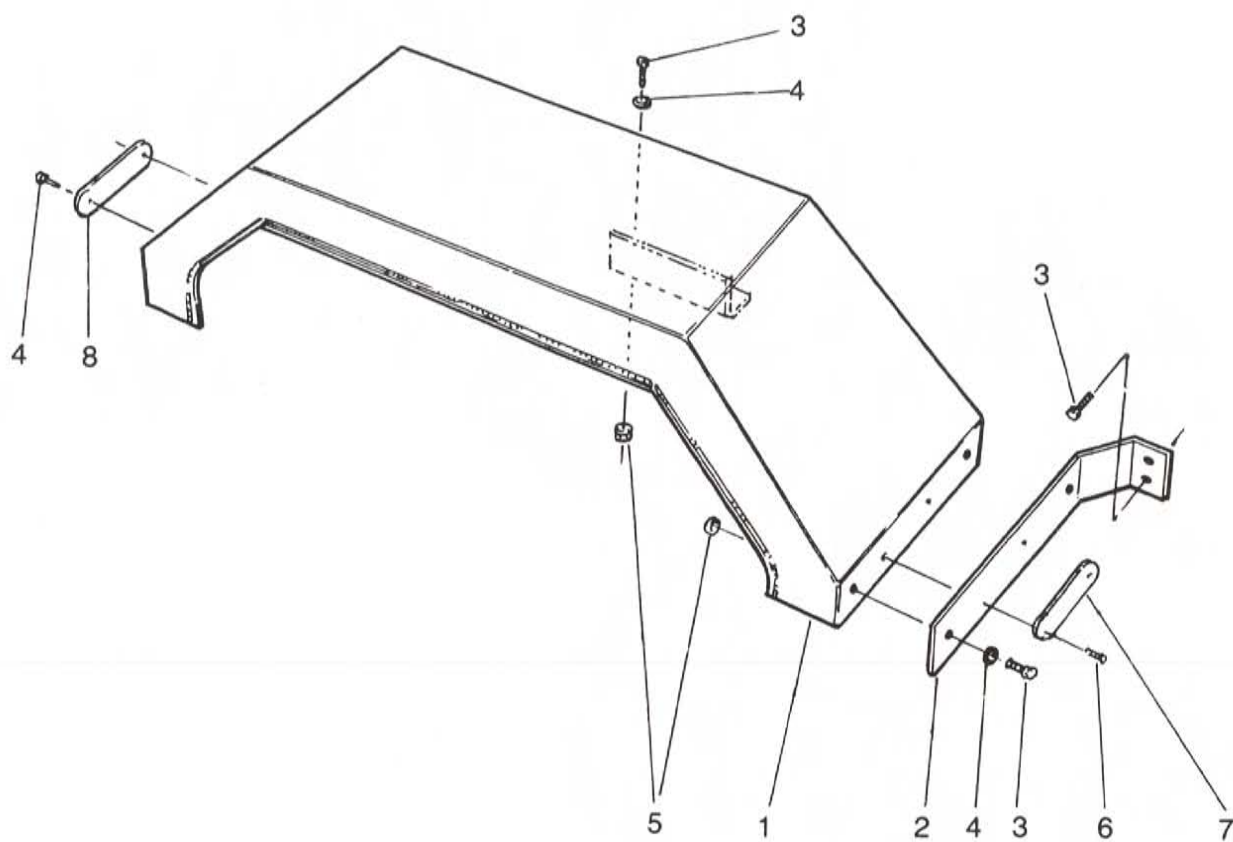
1. FRAME

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	11.001	Frame	1		
1	11.094	Frame		1	
1	11.095	Frame			1
2	64.031	Rubber Button	8	8	8
3	56.072	Machine Bolt 1/2"NC x 5 1/2"	2	2	2
4	56.033	Lock Nut	2	2	2
5	30.001	Jack	1	1	1
6	11.057	Tongue	1	1	1
7	60.013	Hitch Pin	1	1	1
8	30.023	Snap Ring	1	1	1



1. FRAME

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	Ref.	See Frame			
2	20.024	Oil Seal	2	2	2
3	20.025	Bearing Cone	2	2	2
4	20.026	Bearing Cup	2	2	2
5	30.026	Hub	2	2	2
6	20.028	Bearing Cup	2	2	2
7	20.027	Bearing Cone	2	2	2
8	30.009	Bearing Kit			
9	56.046	Washer 3/4"	2	2	2
10	30.027	Castle Nut	2	2	2
11	30.028	Wheel Bolt	10	10	10
12	30.005	Wheel	2	2	2
13	30.029	Dust Cap Wheel	2	2	2
14	30.006	Tire	2	2	2
15	60.012	Cotter Pin 3/16" x 1 1/2"	2	2	2
16	30.003	Hub Assembly (Incl. Item 4, 5, 6)			



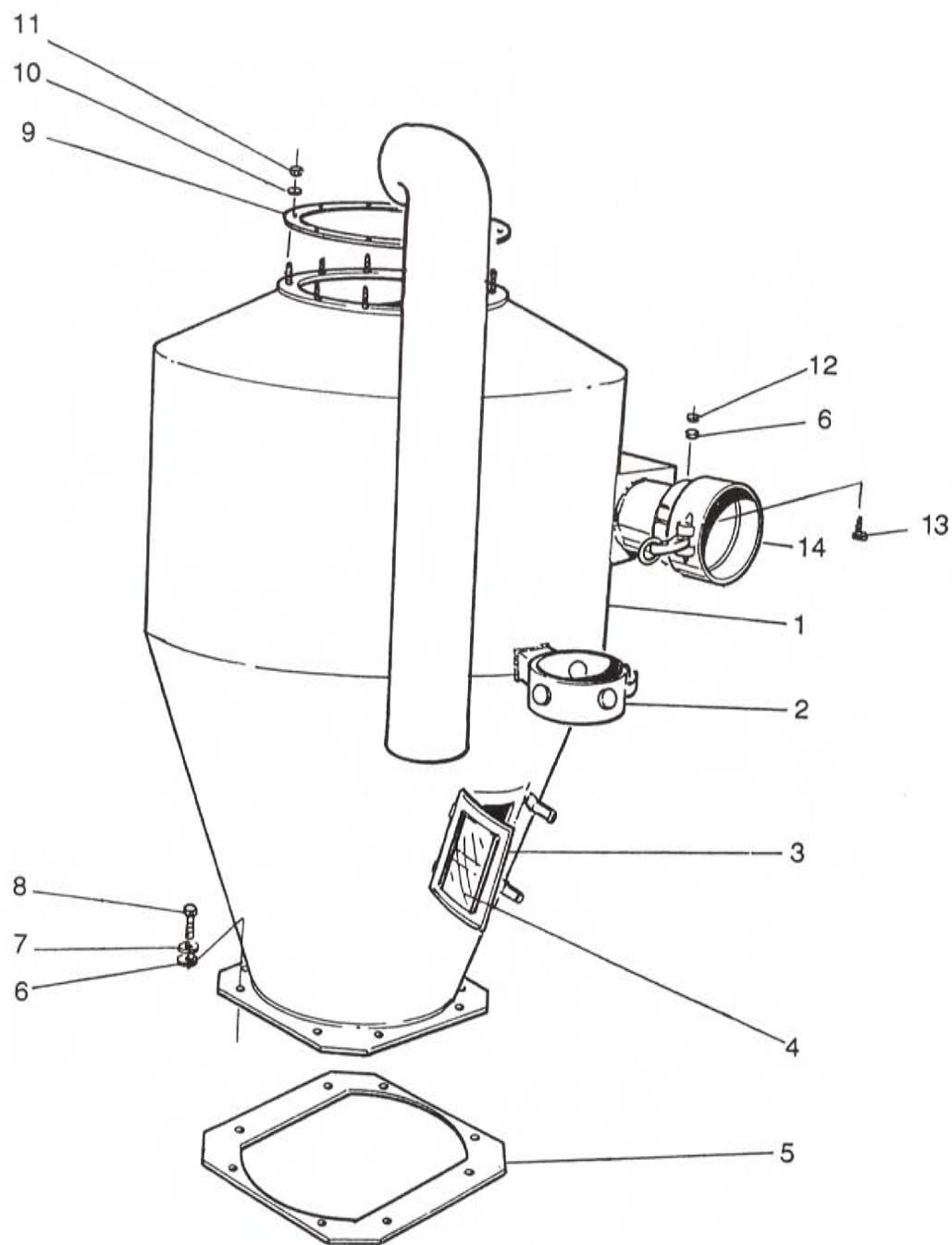
1. FENDER

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	35.001	Fender Right	1	1	1
1	35.005	Fender Left	1	1	1
2	35.011	Fender Bracket Right	1	1	1
2	35.009	Fender Bracket Left	1	1	1
3	56.013	Machine Bolt 3/8"NC x 1"	8	8	8
4	56.035	Flat Washer 3/8"	8	8	8
5	56.031	Lock Nut 3/8"NC	8	8	8
6	56.065	Screw # 12 x 3/4"	8	8	8
7	60.014	Amber Reflector	2	2	2
8	60.015	Red Reflector	2	2	2

RECEIVER TANK

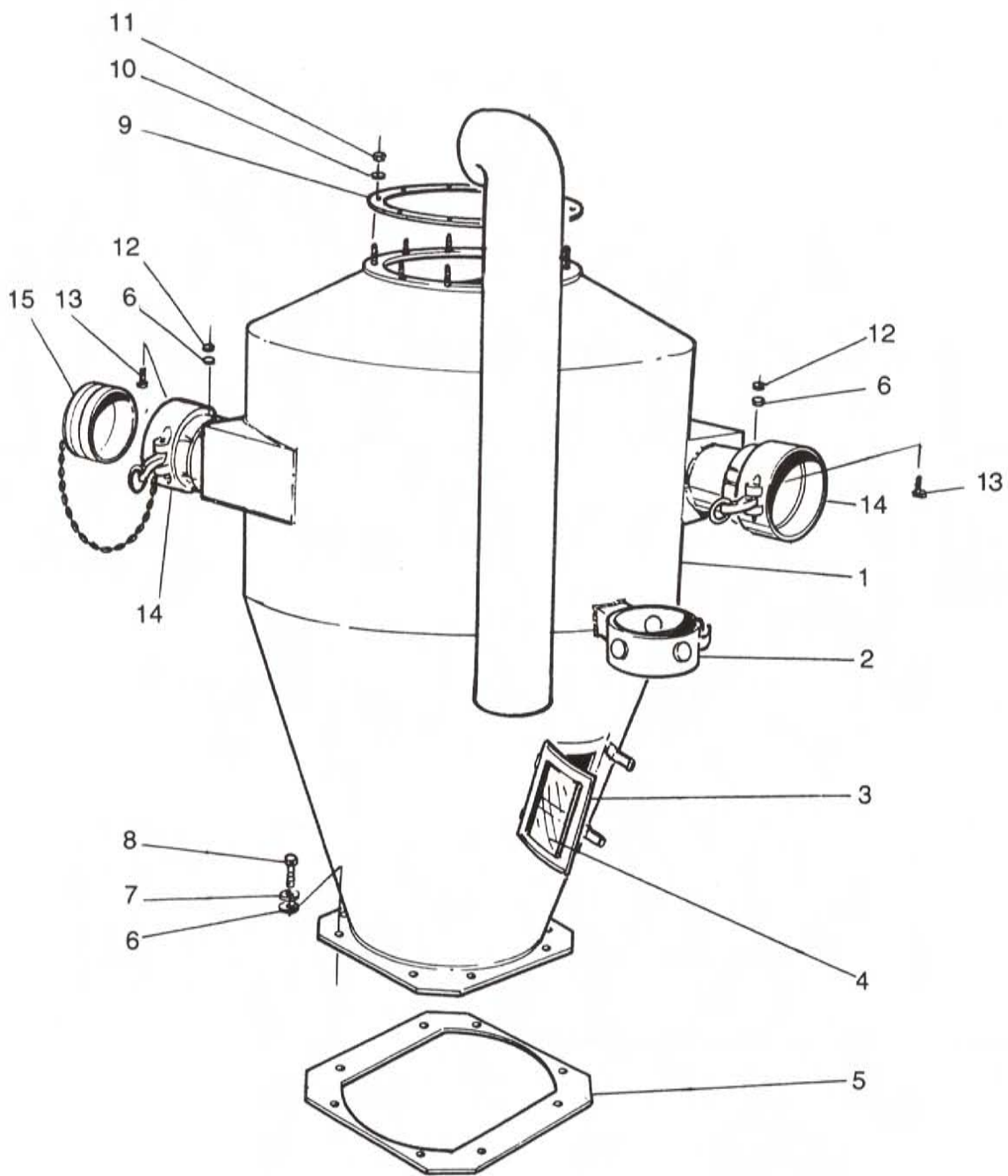
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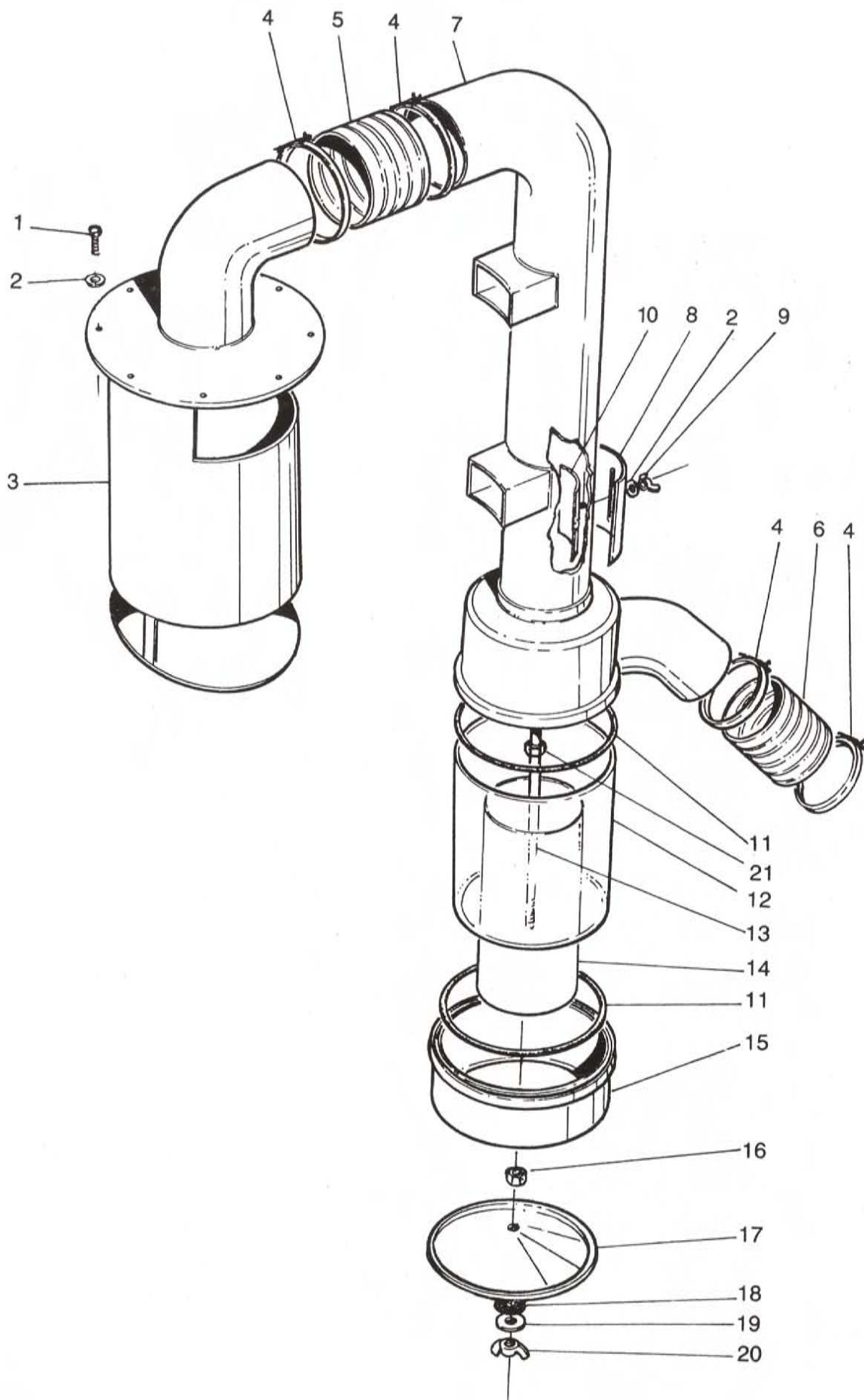
2. RECEIVER TANK

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	15.001	Receiver Tank Single Intake	1		
1	15.038	Receiver Tank Single Intake		1	
1	15.040	Receiver Tank Single Intake			1
2	64.031	Rubber Button	5	5	5
3	15.010	Receiver Door	1	1	1
4	15.019	Receiver Door Window	1	1	1
5	64.002	Receiver Bottom Gasket	1	1	1
6	56.035	Flat Washer 3/8"	12	12	12
7	56.036	Lock Washer 3/8"	8	8	8
8	56.016	Machine Bolt 3/8"NC x 1 1/4"	8	8	8
9	64.003	Receiver Top Gasket	1	1	1
10	Ref.	See Page 2.3			
11	Ref.	See Page 2.3			
12	56.031	Lock Nut 3/8"NC	4	4	4
13	56.056	Carriage Bolt 3/8"NC x 1"	4	4	4
14	26.007	Female Coupler 5"	1	1	
14	26.052	Female Coupler 6"			1



2. RECEIVER TANK

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	15.054	Receiver Tank Dual Intake	1		
1	15.055	Receiver Tank Dual Intake		1	
1	15.059	Receiver Tank Dual Intake			1
2	64.031	Rubber Button	5	5	5
3	15.010	Receiver Door	1	1	1
4	15.019	Receiver Door Window	1	1	1
5	64.002	Receiver Bottom Gasket	1	1	1
6	56.035	Flat Washer 3/8"	16	16	16
7	56.036	Lock Washer 3/8"	8	8	8
8	56.016	Machine Bolt 3/8"NC x 1 1/4"	8	8	8
9	64.003	Receiver Top Gasket	1	1	1
10	Ref.	See Page 2.3			
11	Ref.	See Page 2.3			
12	56.031	Lock Nut 3/8"NC	8	8	8
13	56.056	Carriage Bolt 3/8"NC x 1"	8	8	8
14	26.007	Female Coupler 5"	2	2	
14	26.052	Female Coupler 6"			2
15	26.020	Plug 5"	1	1	
15	26.035	Plug 6"			1



2. EXTERNAL FILTER

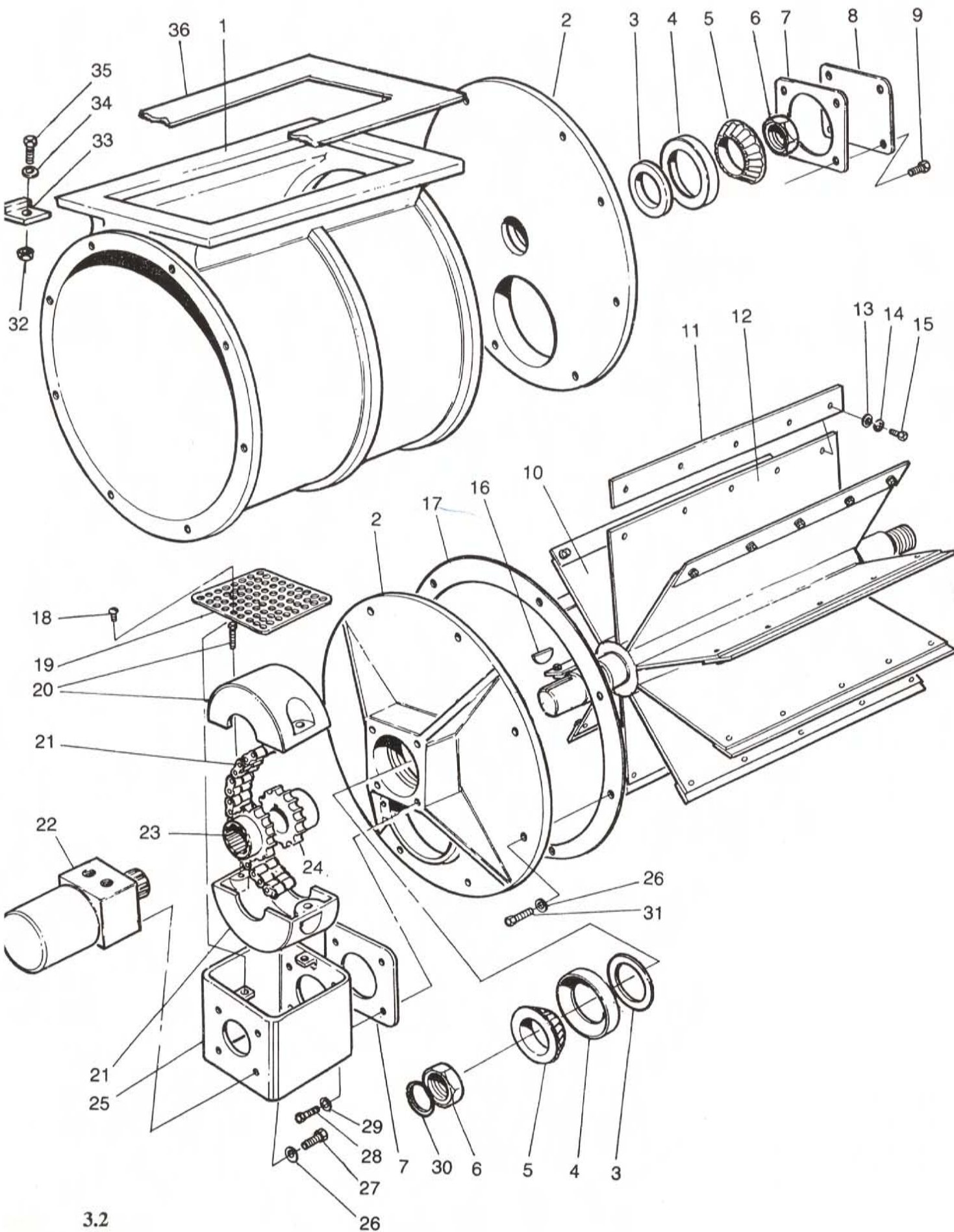
ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	56.031	Lock Nut 3/8"NC	8	8	8
2	56.035	Flat Washer 3/8"	8	8	8
3	15.023	Material Separator	1	1	1
4	26.042	T-Bolt Clamp 5"	4	4	4
5	45.049	Hose Receiver	1	1	1
6	45.052	Hose Filter - Blower	1	1	1
7	Ref.	See Page 2.1 or 2.2			
8	43.008	Top Slide Filter	1	1	1
9	56.007	Wing Nut 3/8"NC	1	1	1
10	43.002	Bottom Slide	1	1	1
11	64.009	Filter Gasket	2	2	2
12	26.027	Filter Tube	1	1	1
13	19.006	Threaded Rod 1/2"NC	1	1	1
14	19.024	Filter Screen	1	1	1
15	19.012	Filter Bottom	1	1	1
16	56.033	Lock Nut 1/2"NC	1	1	1
17	19.013	Filter Cover	1	1	1
18	64.012	Rubber Washer	1	1	1
19	56.009	Flat Washer 1/2"	1	1	1
20	56.004	Wing Nut 1/2"NC	1	1	1
21	56.003	Jam Nut 1/2"NC	1	1	1



AIRLOCK

SECTION 3

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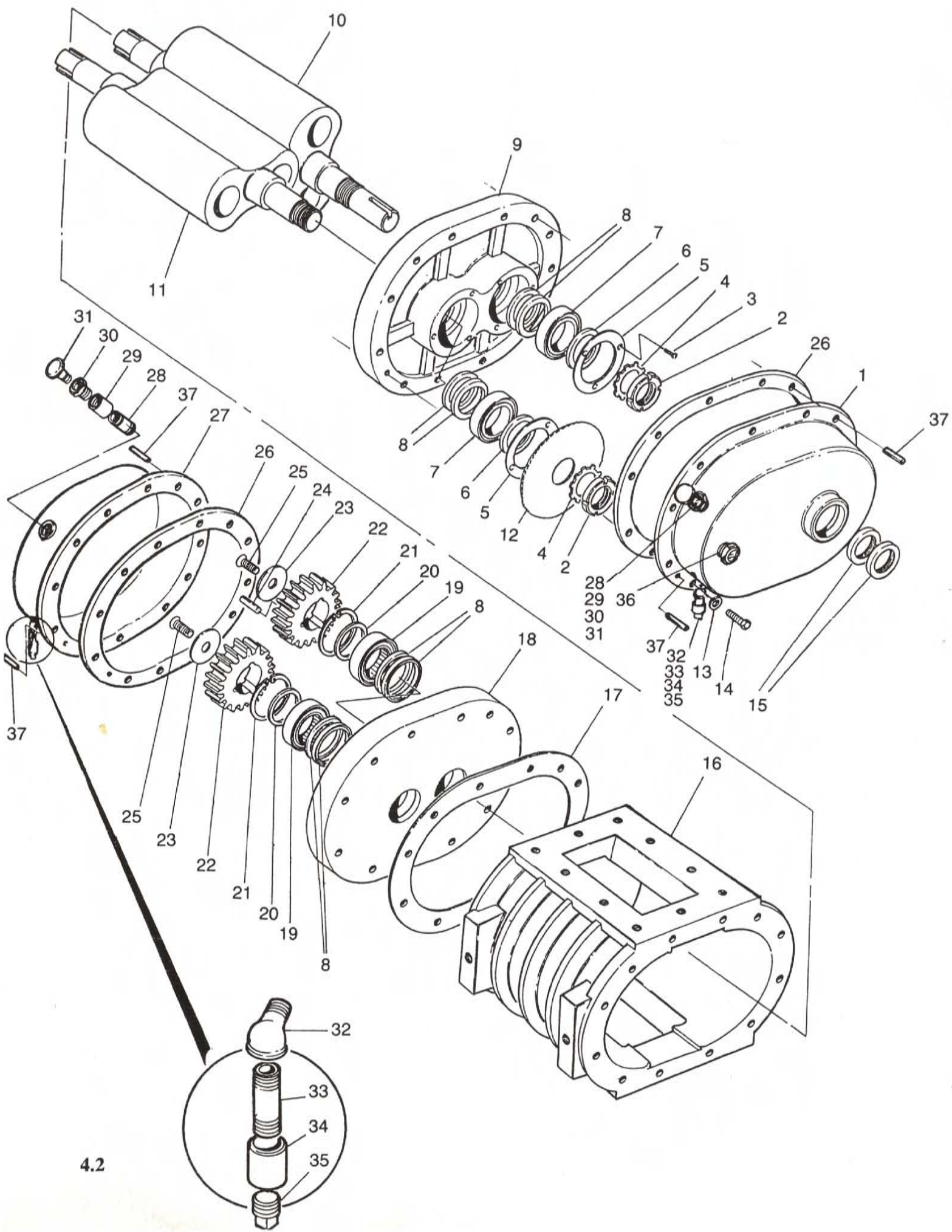
3. AIRLOCK

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	10.011	Airlock Shell	1	1	1
2	10.012	Airlock Endplate 5"	2	2	1
2	10.022	Airlock Endplate 6"			1
3	20.004	Oil Seal	2	2	2
4	20.002	Bearing Cup	2	2	2
5	20.003	Bearing Cone	2	2	2
6	56.001	Lock Nut 1 3/4"NF	2	2	2
7	64.008	Endplate Cover Gasket	2	2	2
8	10.013	Endplate Cover	1	1	1
9	56.021	Machine Bolt 1/2"NC x 1"	4	4	4
10	10.003	Airlock Rotor	1	1	1
11	10.010	Rotor Tip	10	10	10
12	10.029	Rotor Tip Kit			
13	56.006	Flat Washer 5/16" Fedalloy	50	50	50
14	56.008	Lock Washer 5/16" Fedalloy	50	50	50
15	56.005	Machine Bolt 5/16" x 3/4"	50	50	50
16	20.006	Woodruff Key	1	1	1
17	64.011	Airlock Endplate Shim	A/R	A/R	A/R
18	56.040	Screw # 12 x 1/2"	2	2	2
19	10.025	Motor Mount Screen	1	1	1
20	20.011	Cover - Chain Coupling	1	1	1
21	20.010	Chain - Chain Coupling	1	1	1
22	22.015	Hydraulic Motor	1	1	1
23	10.021 - W	Splined Sprocket - Chain Coupling	1	1	1
24	20.007	Sprocket - Chain Coupling	1	1	1
25	10.017	Motor Mount	1	1	1
26	56.036	Lock Washer 3/8"	20	20	20
27	56.015	Machine Bolt 3/8"NC x 7/8"	4	4	4
28	56.022	Machine Bolt 1/2"NC x 1 1/4"	4	4	4
29	56.037	Lock Washer 1/2"	4	4	4
30	20.005	Oil Seal	1	1	1
31	56.016	Machine Bolt 3/8"NC x 1 1/4"	16	16	16
32	56.033	Lock Nut 1/2"NC	4	4	4
33	10.020	Airlock Mount Lug	4	4	4
34	56.009	Flat Washer 1/2"	4	4	4
35	56.024	Machine Bolt 1/2"NC x 2 1/4"	4	4	4
36	64.004	Airlock Gasket	1	1	1

BLOWER

SECTION 4

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4. BLOWER

ITEM	PART NO.	DESCRIPTION	4005
1	14.407	Front Cover	1
2	20.036	Lock Nut Bearing	2
3	56.074	Allen Head Bolt 3/8"NC x 3/4"	6
4	20.037	Locking Washer Bearing	2
5	14.414	Retainer Ring	2
6	14.415	Spacer Drive End	2
7	20.030	Double Ball Bearing	2
8	20.041	Oil Seal	8
9	14.405	End Plate - Drive	1
10	14.403	Drive Rotor	1
11	14.404	Idler Rotor	1
12	14.416	Oil Flinger	1
13	56.002	Flat Washer 7/16"	24
14	56.053	Machine Bolt 7/16"NC x 2 1/4"	24
15	20.022	Oil Seal	2
16	14.402	Blower Housing	1
17	64.041	End Plate Shim .002"	A/R
17	64.042	End Plate Shim .003"	A/R
17	64.043	End Plate Shim .005"	A/R
18	14.406	End Plate - Gear	1
19	20.032	Roller Bearing	2
20	14.412	Spacer Gear	2
21	20.035	Retainer Ring	2
22	14.420	Gear Set	1
23	14.413	Retainer Washer Gear	2
24	56.075	Dowel Pin	4
25	56.073	Allen Head Bolt 1/2"NC x 1"	2
26	64.040	End Cover Gasket	2
27	14.409	Gear Cover	1
28	22.136	Pipe Nipple 3/4"	2
29	22.044	Pipe Coupling 3/4"	2
30	22.149	Reducer 3/4" - 3/8"	2
31	14.431	Breather Vent	2
32	22.135	Pipe Nipple 3/8"	2
33	22.134	Pipe Elbow 45 Deg. 3/8"	2
34	22.094	Pipe Coupling 3/8"	2
35	22.143	Pipe Plug 3/8"	2
36	22.119	Sight Glass 3/4"	2
37	56.076	Tapered Pin	2

BELT DRIVE

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BUSHING LARGE SHEAVE	5.3
SMALL SHEAVE	5.3
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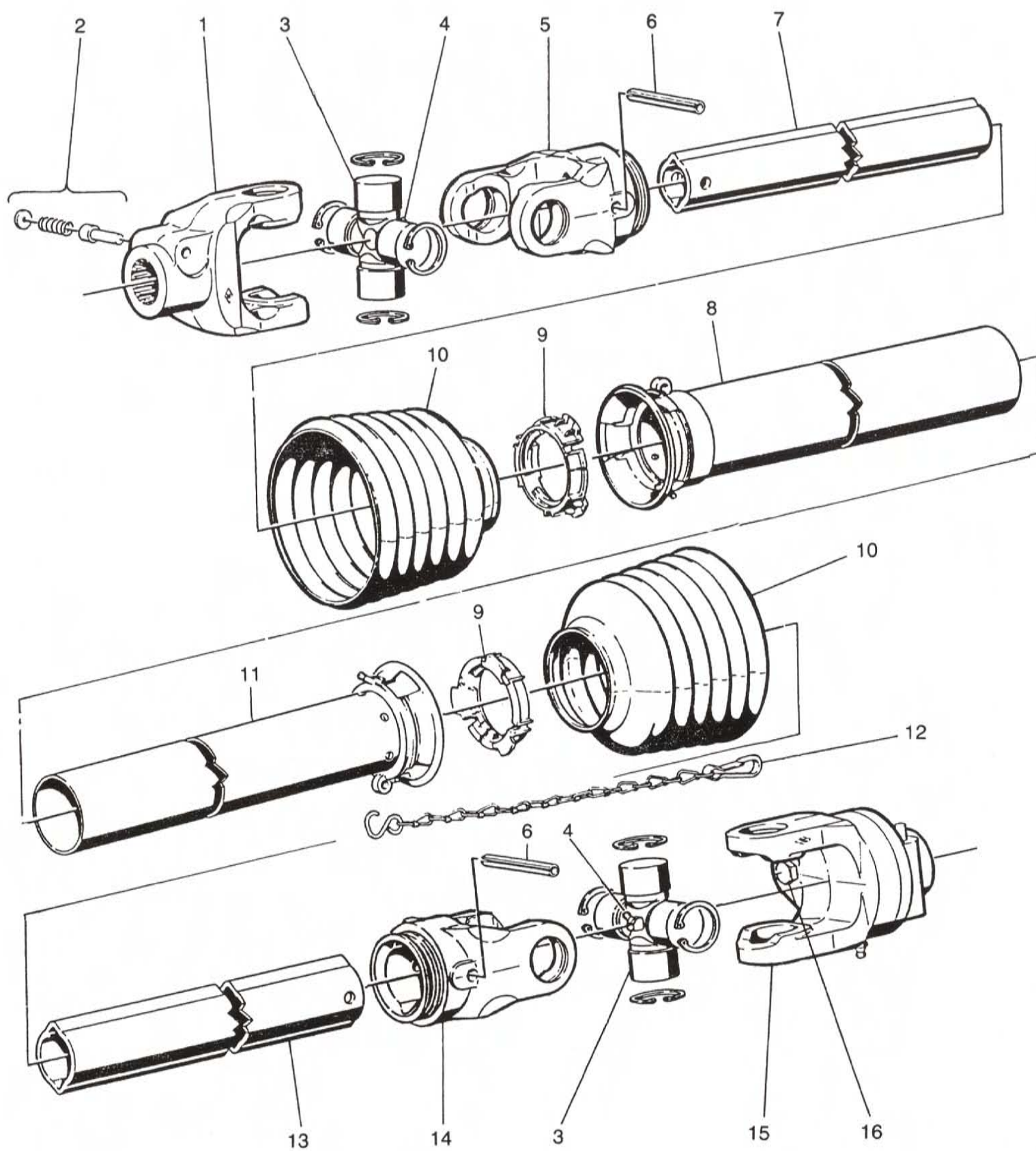
5. BELT DRIVE

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	11.049	V-Belt Cover	1	1	1
2	56.079	Machine Bolt 3/8"NC x 2"	6		6
2	56.080	Machine Bolt 1/2"NC x 2"		6	
3	56.008	Lock Washer 5/16"	6		6
3	56.037	Lock Washer 1/2"		6	
4	18.006	Bushing SF 1 3/4"	1		1
4	18.014	Bushing E 1 3/4"		1	
5	20.018	Key	1	1	1
6	18.004	Pulley 18.4"	1		1
6	18.012	Pulley 18.7"		1	
7	18.001	Splined Shaft	1	1	
7	11.280	Splined Shaft			1
8	20.029	Locking Collar			
9	20.013	Grease Nipple	2	2	2
10	56.033	Lock Nut 1/2"NC	4	4	4
11	56.009	Flat Washer 1/2"	8	8	8
12	20.001	Pillow Block Bearing	1	1	1
13	11.078	Bolt Weldment	1	1	1
14	56.003	Jam Nut 1/2"NC	2	2	2
15	56.026	Tap Bolt 1/2"NC x 3 3/4"	2	2	2
16	18.041	Belt Set	1		
16	18.042	Belt Set		1	
16	18.044	Belt Set			1
17	18.008	Pulley 5.2"	1		
17	18.013	Pulley 4.9"		1	
17	18.037	Pulley 5.8"			1
18	18.010	Bushing SD 1 7/16"	1	1	
18	18.038	Bushing SK 1 7/16"			1
19	56.067	Lock Washer 1/4"	6	6	
19	56.008	Lock Washer 5/16"			6
20	56.077	Machine Bolt 1/4"NC x 2"	6	6	
20	56.078	Machine Bolt 5/16"NC x 2"			6

PTO DRIVE SHAFT

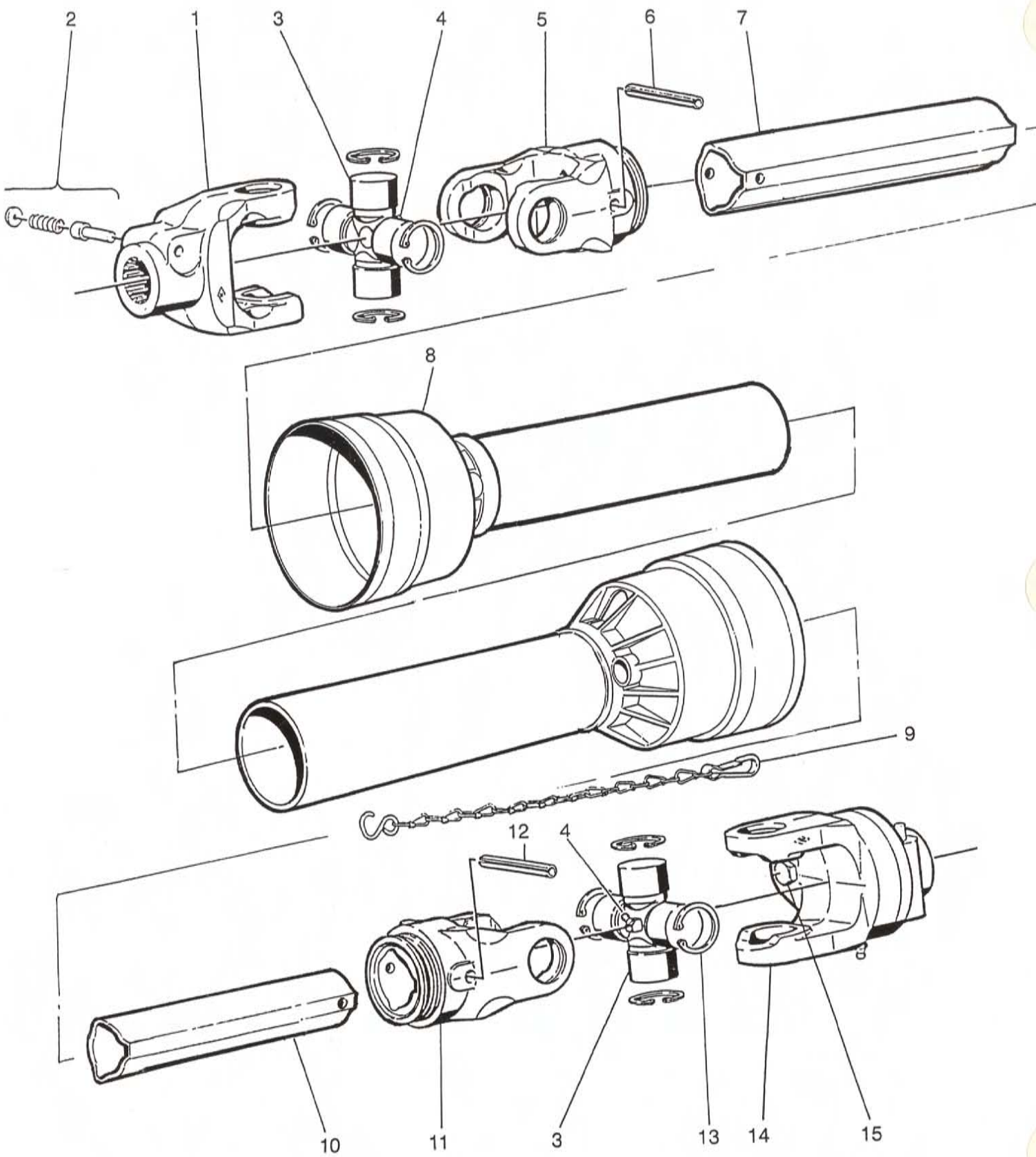
SECTION 6

WALTERSCHEID	6.3
BONDIOLI	6.5



6. DRIVE SHAFT

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
	16.100	Drive Shaft Walterscheid 1000 RPM	1	1	1
1	16.105	End Yoke 1 3/8" - 21 Spline	1	1	1
2	16.106	Pin Kit	2	2	2
3	16.109	Cross and Bearing Kit	2	2	2
4	16.110	Grease Nipple	2	2	2
5	16.111	Yoke Inner Profile	1	1	1
6	16.112	Spring Pin	2	2	2
7	16.113	Inner Profile	1	1	1
8	16.118	Outer Shield Tube	1	1	1
9	16.117	Shield Bearing	2	2	2
10	16.116	Shield Cone	2	2	2
11	16.119	Inner Shield Tube	1	1	1
12	16.112	Safety Chain	1	1	1
13	16.114	Outer Profile	1	1	1
14	16.115	Yoke Outer Profile	1	1	1
15	16.107	Shear Bolt Clutch Yoke	1	1	1
16	16.108	Shear Bolt 5/16"NC x 2 1/2"	1	1	1



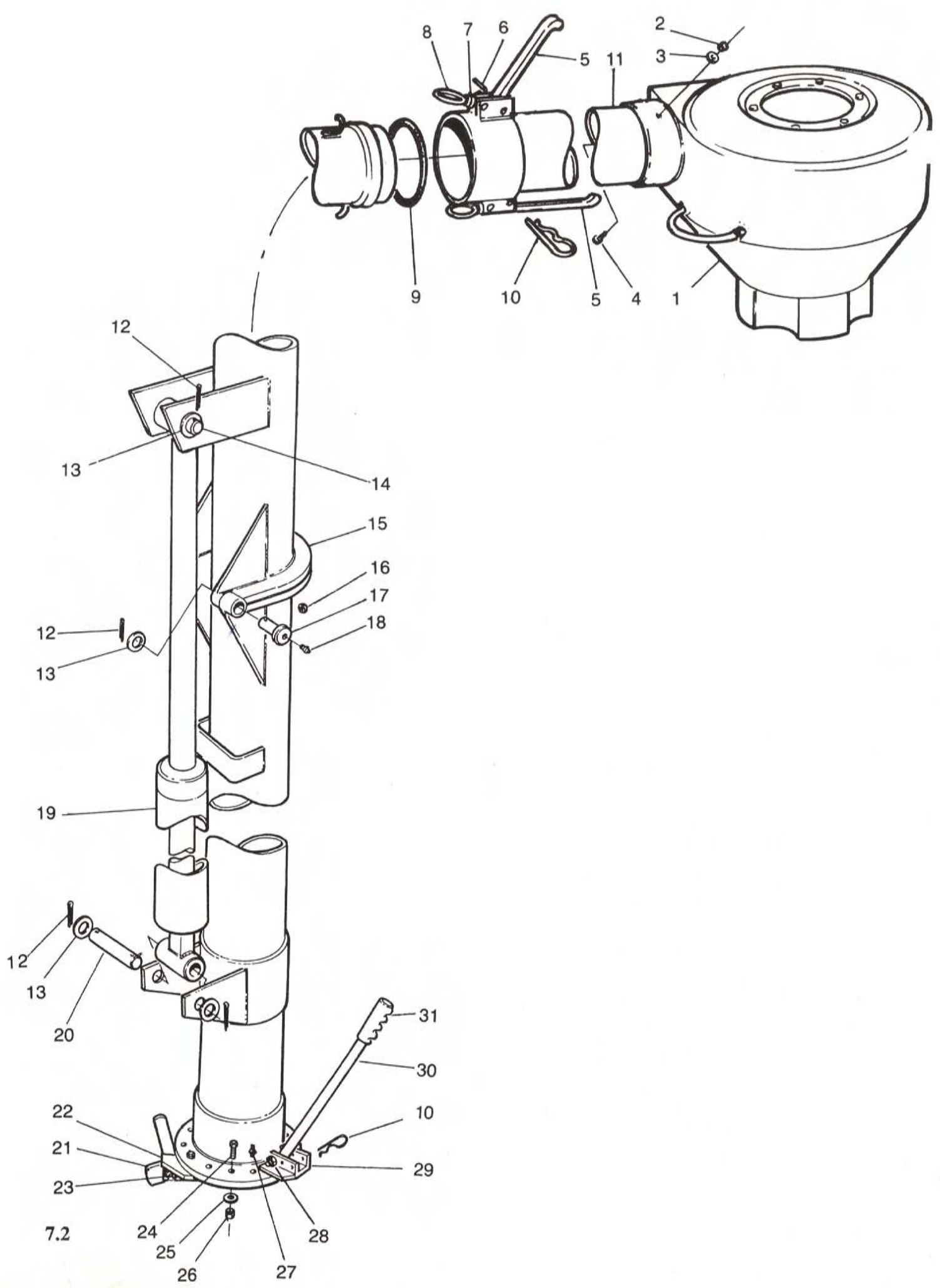
6. DRIVE SHAFT

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
	16.300	Drive Shaft Bondioli 1000 RPM	1	1	1
1	16.308	End Yoke 1 3/8" - 21 Spline	1	1	1
1	16.314	End Yoke 1 3/8" - 6 Spline	1	1	1
2	16.309	Pin Kit	1	1	1
3	16.301	Cross and Bearing Kit	2	2	2
4	16.316	Grease Nipple	2	2	2
5	16.304	Yoke Inner Profile	1	1	1
6	16.306	Spring Pin Inner Profile	1	1	1
7	16.302	Inner Profile	1	1	1
8	16.310	Shield Kit	1	1	1
9	16.318	Safety Chain	1	1	1
10	16.303	Outer Profile	1	1	1
11	16.305	Yoke Outer Profile	1	1	1
12	16.307	Spring Pin Outer Profile	1	1	1
13	16.312	Snap Ring	8	8	8
14	16.311	Shear Bolt Yoke	1	1	1
15	16.317	Shear Bolt	1	1	1
16	16.313	Pin Kit	1	1	1

DISCHARGE BOOM

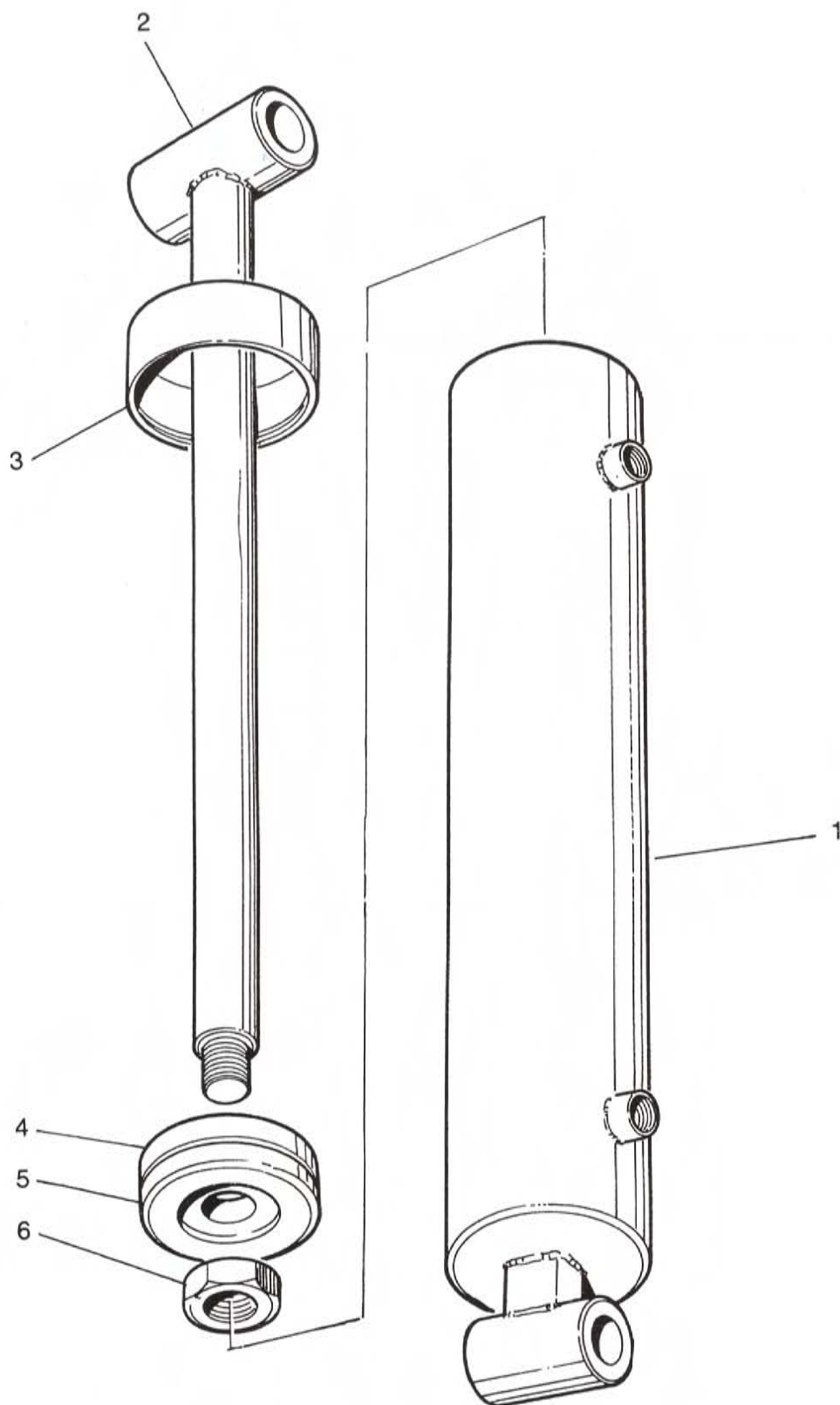
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CYCLONE	7.7
NOVITANE WEAR LINER	7.7
STEEL WEAR LINER	7.7



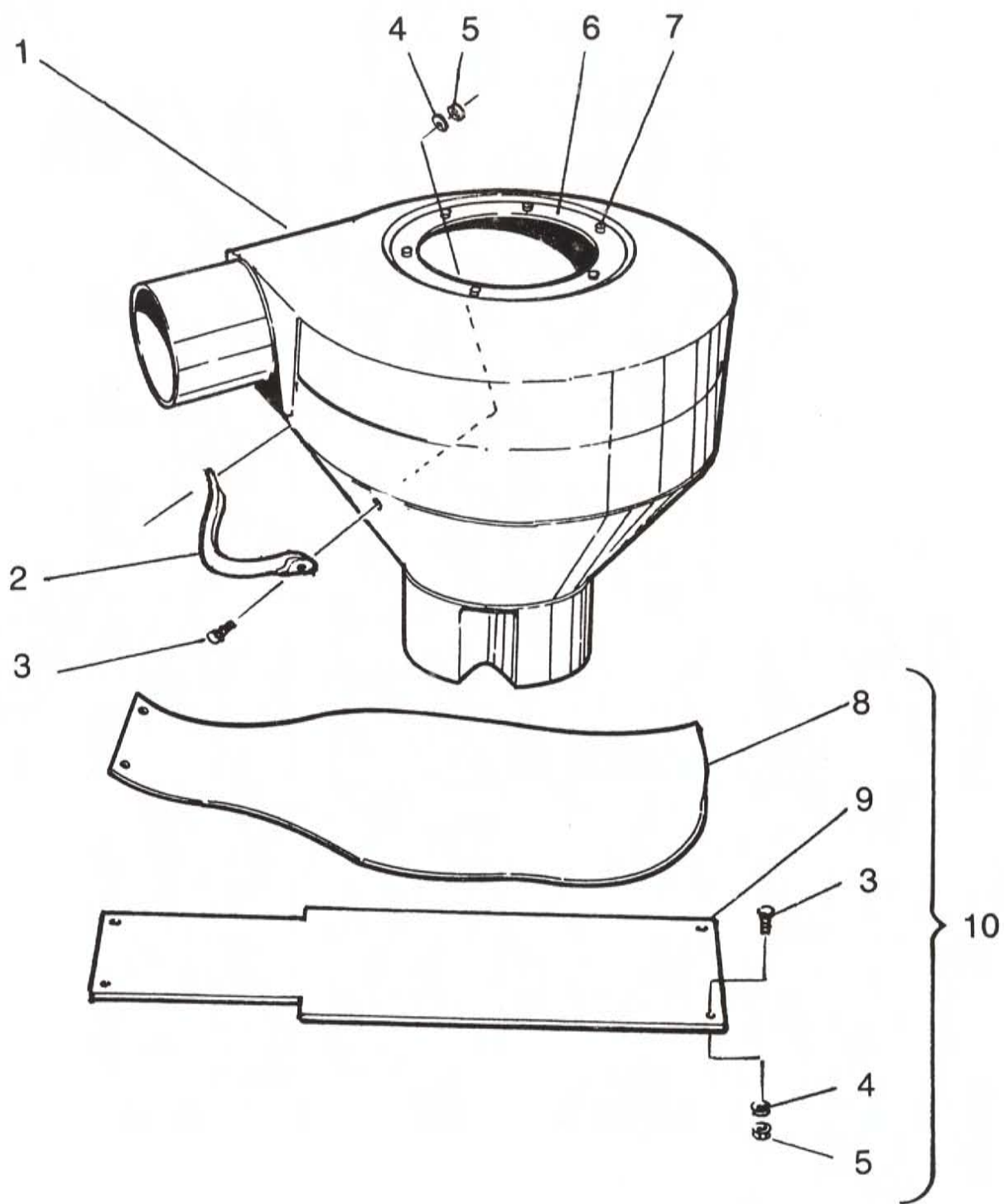
7. BOOM

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	31.003	Cyclone Assembly 5"	1		
1	31.004	Cyclone Assembly 6"		1	1
2	56.030	Lock Nut 1/4"NC	4	4	4
3	56.055	Flat Washer 1/4"	4	4	4
4	56.027	Carriage Bolt 1/4"NC x 3/4"	4	4	4
5	60.004	Lever	2	2	2
6	60.005	Rivet	2	2	2
7	56.003	Jam Nut 1/2"NC	2	2	2
8	60.006	Eye Lever	2	2	2
9	20.014	O-Ring 5"	1		
9	20.016	O-Ring 6"		1	1
10	60.013	Hitch Pin	3	3	3
11	31.007	Cyclone Tube 5"	1		
11	31.020	Cyclone Tube 6"		1	1
12	60.012	Cotter Pin	6	6	6
13	56.047	Flat Washer 1"	6	6	6
14	27.026	Cylinder Pin Top	1	1	1
15	64.014	Boom Gasket 5"	1		
15	64.022	Boom Gasket 6"		1	1
16	56.030	Lock Nut 1/4"NC	5	5	5
17	27.028	Hinge Pin	2	2	2
18	20.017	Grease Nipple 1/4"	2	2	2
19	22.014	Cylinder	1	1	1
20	27.023	Cylinder Pin Bottom	1	1	1
21	27.038	Positioner Lock	1	1	1
22	27.035	Positioner Lock Mount 5"	1		
22	27.068	Positioner Lock Mount 6"		1	1
23	56.018	Machine Bolt 3/8"NC x 1 3/4"	2	2	2
24	56.019	Machine Bolt 3/8"NC x 2"	5	5	5
25	56.035	Flat Washer 3/8"	8	8	8
26	56.031	Lock Nut 3/8"NC	8	8	8
27	20.012	Grease Nipple 1/4" - 45 Deg.	1	1	1
28	56.020	Machine Bolt 3/8"NC x 2 1/2"	1	1	1
29	27.029	Handle Mount 5"	1		
29	27.066	Handle Mount 6"		1	1
30	27.032	Handle	1	1	1
31	60.008	Handle Grip	1	1	1



7. CYLINDER

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	22.170	Cylinder Tube	1	1	1
2	22.171	Cylinder Shaft	1	1	1
3	22.172	Head Plate	1	1	1
4	22.173	Piston Half Upper	1	1	1
5	22.175	Piston Half Lower	1	1	1
6	22.174	Lock Nut	1	1	1
7	22.098	Seal Kit (Seals, U-Cups, O-Rings)			



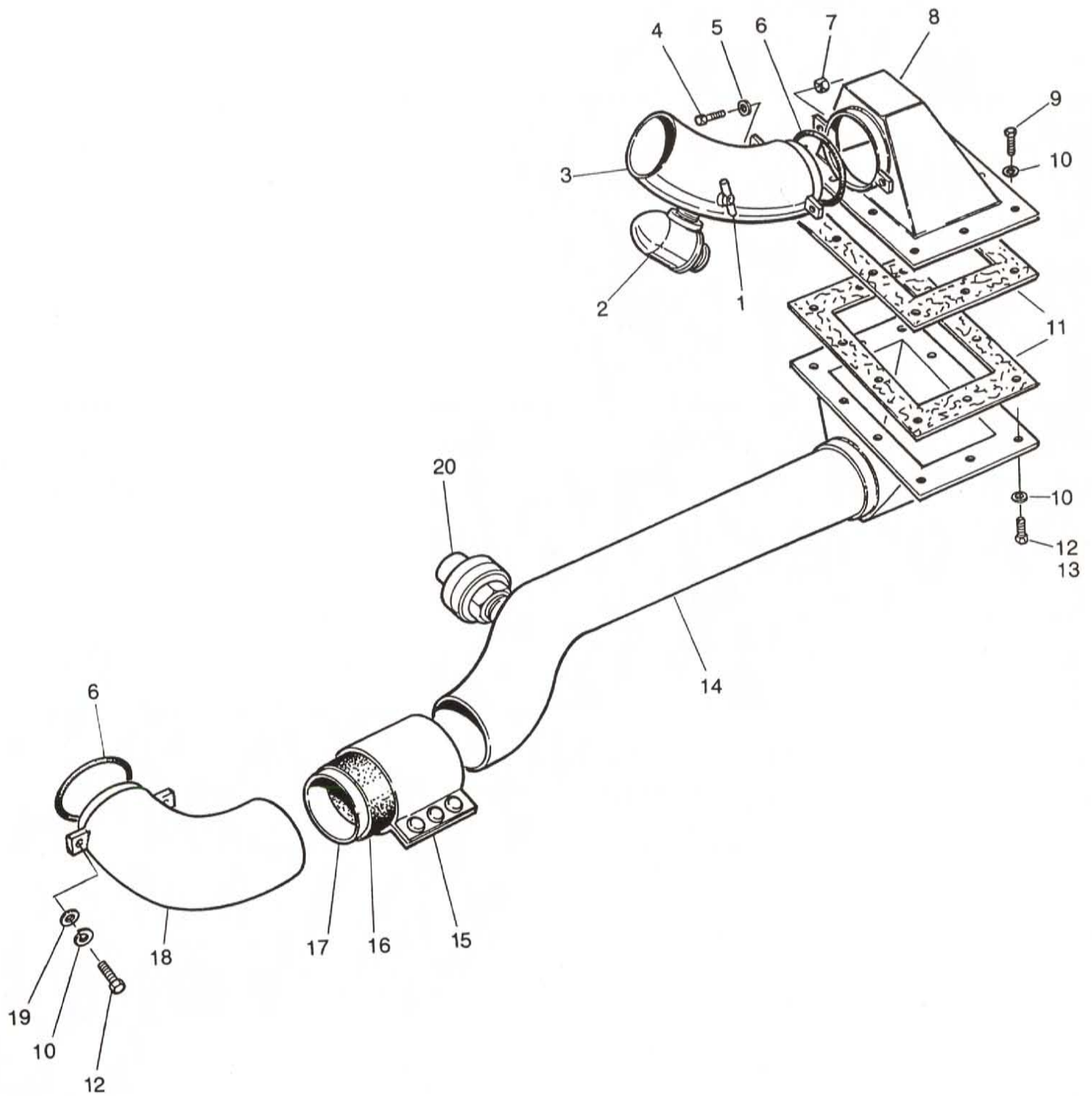
7. CYCLONE

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	31.006	Cyclone 5"	1		
1	31.019	Cyclone 6"		1	1
2	31.013	Handle	1	1	1
3	56.027	Carriage Bolt 1/4"NC x 3/4"	6	6	6
4	56.055	Flat Washer 1/4"	6	6	6
5	56.030	Lock Nut 1/4"NC	6	6	6
6	31.039	Cyclone Thimble	1	1	1
7	56.065	Screw # 12 x 3/4"	6	6	6
8	31.002	Wear Liner 5"	1		
8	31.031	Wear Liner 6"		1	1
9	31.005	Steel Liner	1	1	1
10	31.035	Wear Liner Kit 5" (# 3, 4, 5, 8, 9)			
10	31.036	Wear Liner Kit 6" (# 3, 4, 5, 8, 9)			

AIRLINES

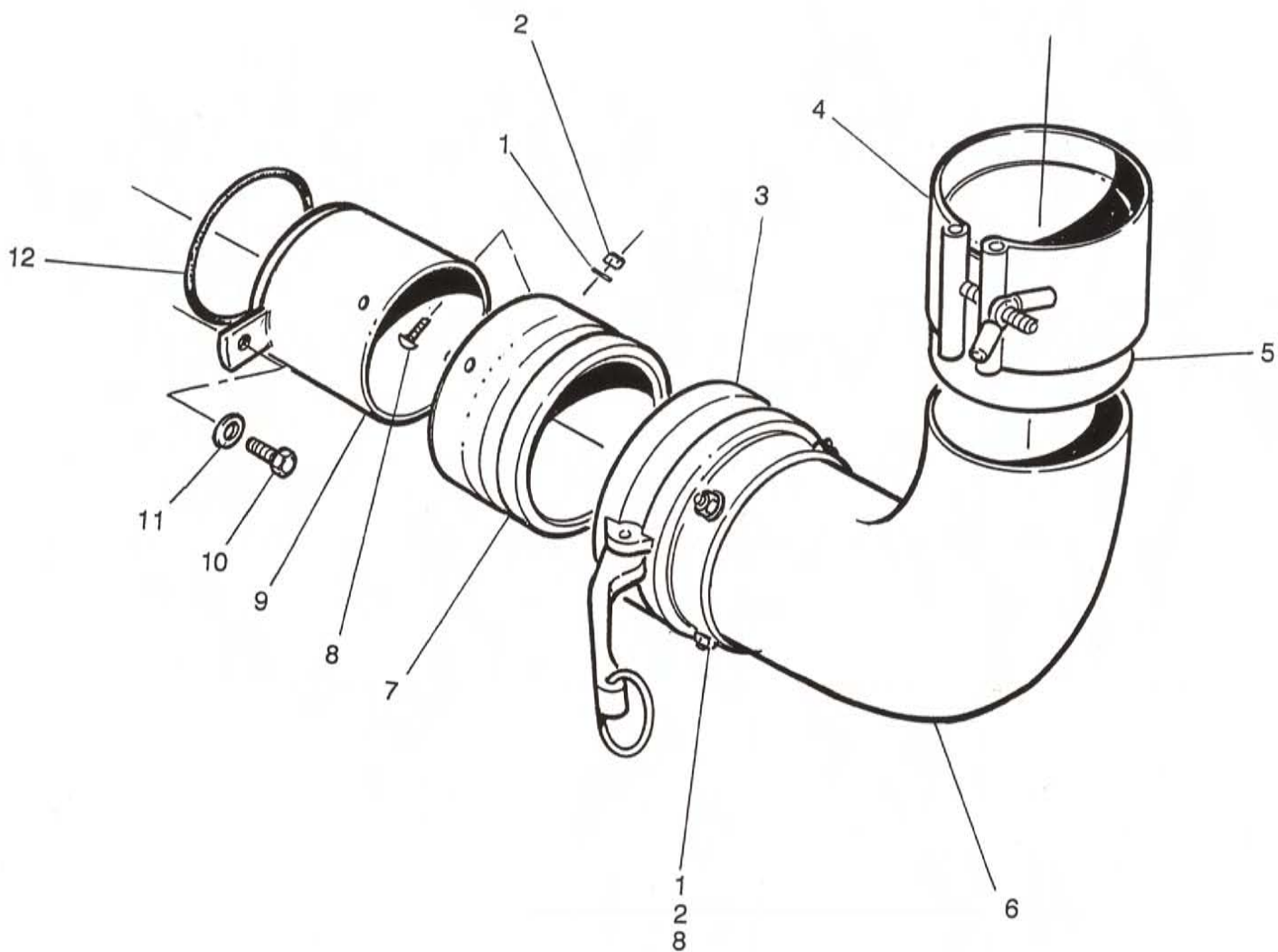
SECTION 8

BLOWER INTAKE WELDMENT	8.3
BLOWER GASKET	8.3
VACUUM RELIEF VALVE	8.3
COCK VALVE	8.3
RUBBER HOSE	8.3
HOSE CLAMPS	8.3
BLOWER OUTLET WELDMENT	8.3
PRESSURE RELIEF VALVE	8.3
3 - BOLT COMPRESSION CLAMP	8.3
COMPRESSION CLAMP STEEL LINER	8.3
COMPRESSION CLAMP GASKET	8.3
AIRLOCK INTAKE ELBOW	8.3
"O" - RING	8.3
AIRLOCK OUTLET	8.5



8. AIRLINES

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	22.045	Cock Valve 3/8"	1	1	1
2	26.014	Vacuum Relief Valve	1	1	1
3	45.015	Blower Intake Elbow	1	1	
3	45.077	Blower Intake Elbow			1
4	56.018	Machine Bolt 3/8"NC x 1 3/4"	2	2	2
5	56.035	Flat Washer 3/8"	2	2	2
6	20.013	O - Ring	2	2	2
7	56.031	Lock Nut 3/8"NC	2	2	2
8	45.008	Blower Intake	1	1	
8	45.071	Blower Intake			1
9	56.013	Machine Bolt 3/8"NC x 1"	10	10	
9	56.060	Machine Bolt 7/16"NC x 1"			10
10	56.036	Lock Washer 3/8"	22	22	2
10	56.062	Lock Washer 7/16"			20
11	64.016	Blower Gasket	3	3	
11	64.030	Blower Gasket			3
12	56.016	Machine Bolt 3/8"NC x 1 1/4"	1	1	
13	56.017	Machine Bolt 3/8"NC x 1 1/2"	9	9	
13	56.061	Machine Bolt 7/16"NC x 1 1/2"			10
14	45.005	Blower Outlet Line	1	1	
14	45.082	Blower Outlet Line			1
15	26.008	Compression Coupling 3 Bolt	1	1	1
16	64.036	Compression Coupling Gasket	1	1	1
17	26.097	Compression Coupling Liner	1	1	1
18	45.044	Airlock Intake	1	1	1
19	56.035	Flat Washer 3/8"	2	2	2
20	26.013	Pressure Relief Valve	1	1	1



8. AIRLINES

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	56.055	Flat Washer 1/4"	8	8	8
2	56.030	Lock Nut 1/4"NC	8	8	8
3	26.007	Female Coupler 5"	1		
3	26.052	Female Coupler 6"		1	1
4	26.046	Quick On Clamp 5"	1		
4	26.050	Quick On Clamp 6"		1	1
5	64.038	Gasket Quick On Clamp 5"	1		
5	64.039	Gasket Quick On Clamp 6"		1	1
6	26.016	Airlock Outlet Elbow 5"	1		
6	26.015	Airlock Outlet Elbow 6"		1	1
7	26.006	Male Coupler 5"	1		
7	26.051	Male Coupler 6"		1	1
8	56.027	Carriage Bolt 1/4"NC x 3/4"	8	8	8
9	45.001	Airlock Outlet Weldment 5"	1		
9	45.040	Airlock Outlet Weldment 6"		1	1
10	56.016	Machine Bolt 3/8"NC x 1 1/4"	2	2	2
11	56.036	Lock Washer 3/8"	2	2	2
11	56.035	Flat Washer 3/8"	2	2	2
12	20.013	O - Ring 5"	1		
12	20.015	O - Ring 6"		1	1

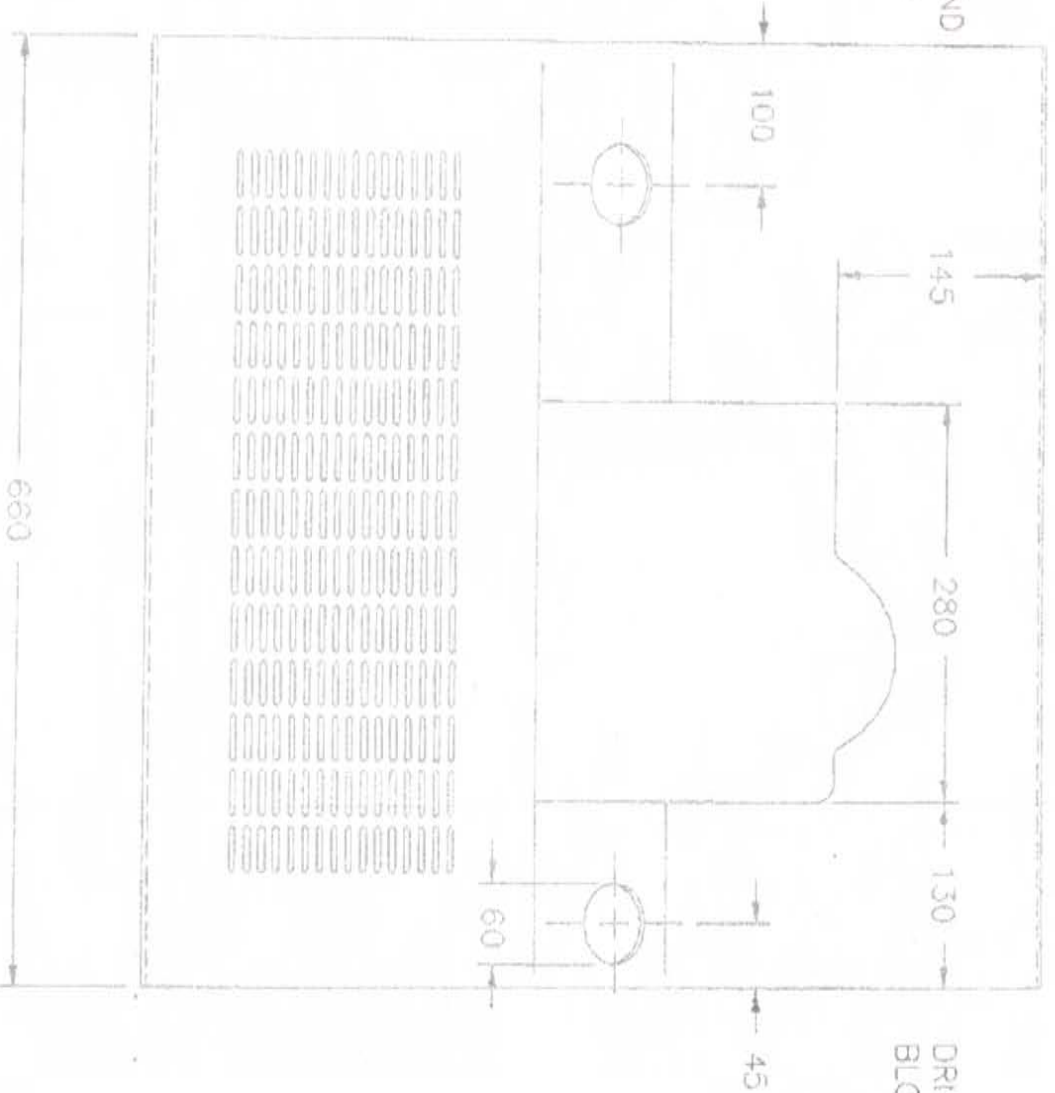
CONVERSION KIT WADE TO VANA BLOWER

<u>Quantity</u>	<u>Item</u>	<u>Part No.</u>	<u>Description</u>
2	6	20.013	O-Ring
1	18	45.044	Airlock Intake
1	14	45.082	Blower Outlet Line
10	13	56.061	Machine Bolt 7/16" NC x 1 1/2"
20	10	56.062	Lock Washer 7/16"
3	11	64.030	Blower Gasket
10	9	56.060	Machine Bolt 7/16" NC x 1"
1	8	45.071	Blower Intake - Special
1		11.068	Blower Plate Weld't
1	3	45.077	Blower Intake Elbow - Special

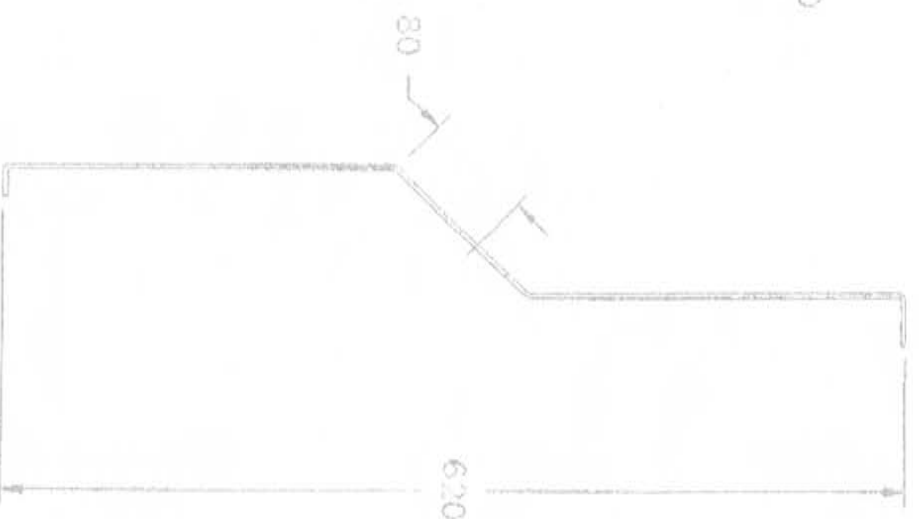
Total Package List Price \$401.00



GEAR END
BLOWER

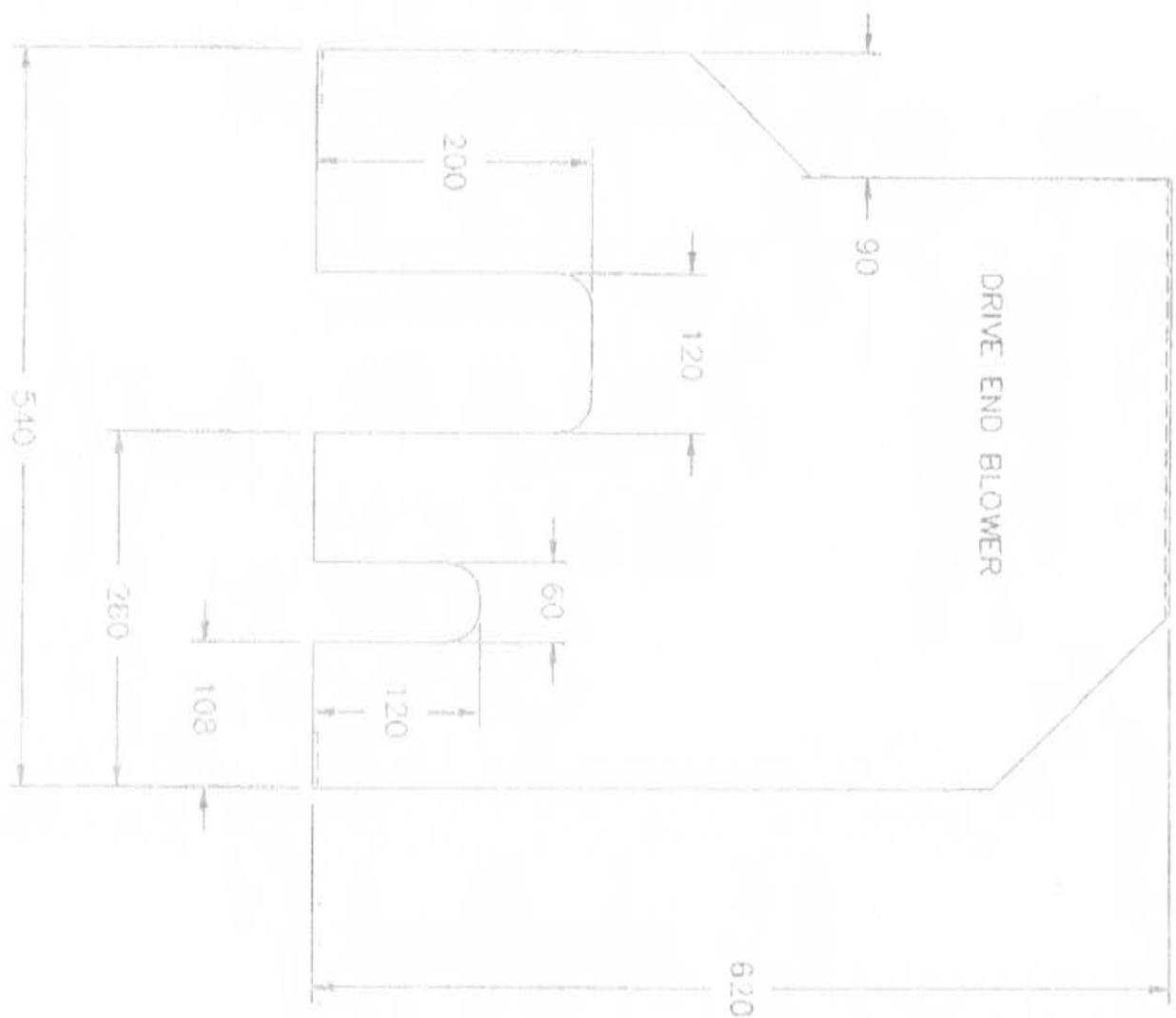


DRIVE END
BLOWER



CONVERSION FROM WADE TO VANA 5.5 BLOWER

QTY	REV	DESCRIPTION	PART NO.	SITE
SCALE 1:3		GATE		
DRAWN BY: A.V.A.		DATE 1/82	DRAWN BY: A.V.A.	
CHECKED BY: A.V.A.		DATE 10/82	REPLACES:	
MAT. 38109	12 GA	SPEC. OR. 18 P. 8.0.		
TOLERANCES +/- .125 INCHES +/- .001 INCHES UNLESS OTHERWISE SPECIFIED				
NAME: CABINET REAR 4005				
VANA INDUSTRIES W 7.036				

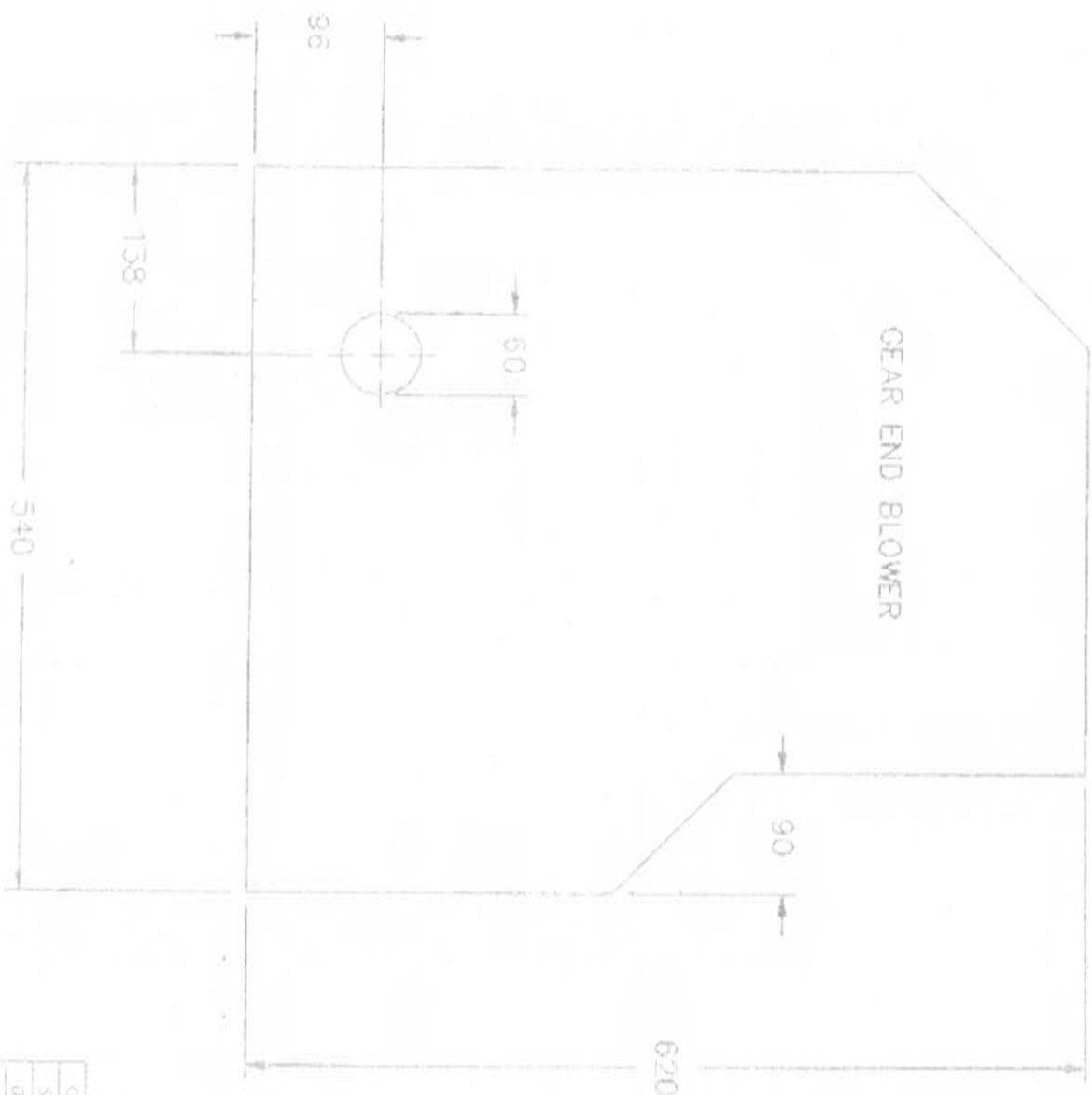


CONVERSION FROM MADE TO VANA 5.3 BLOWER

QTY	ITEM	DESCRIPTION	PART NO.	SIZE
SCALE 1:5		DATE	DIMENSIONS IN MM [INCH]	
ORIGIN: A.V.A.		FR. 76/79	PLANT PART: 56 035	
GRID BY:			REPLACES:	
CREATED BY: A.V.A.			REPLACES BY:	
DATE: 25.08.84	12 GA.		SPEC. OF OR HIG. P.A.O.	
TOLERANCES +/- 1MM. HOLES +/- 3MM. PLASMA CUTTING +/- 3MM.				
MACHINING +/- 1MM. UNLESS OTHERWISE SPECIFIED				

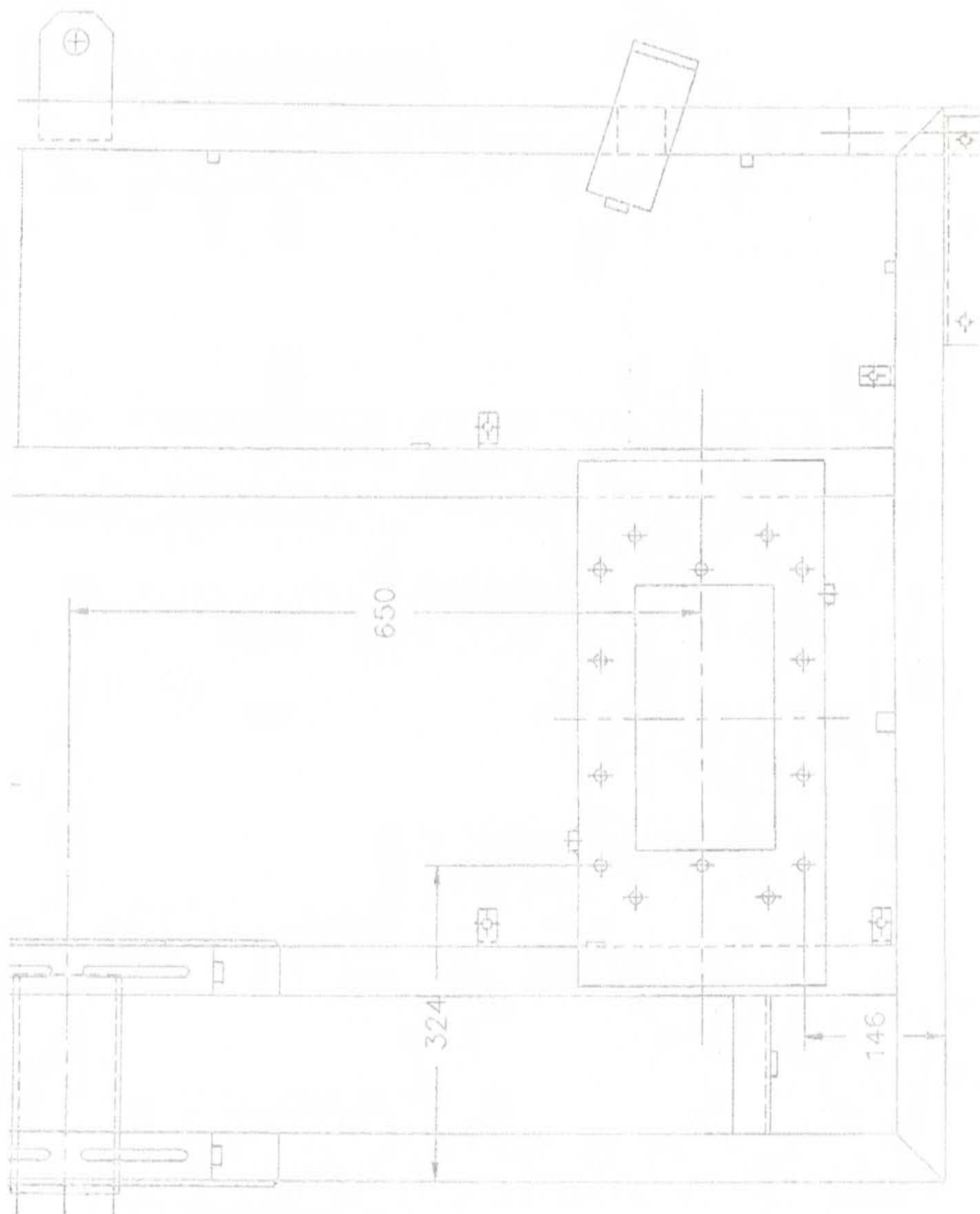
NAME: CABINET LEFT 4005

VANA INDUSTRIES [M. 79038]



CONVERSION FROM WADE TO VANA 53 BLOWER

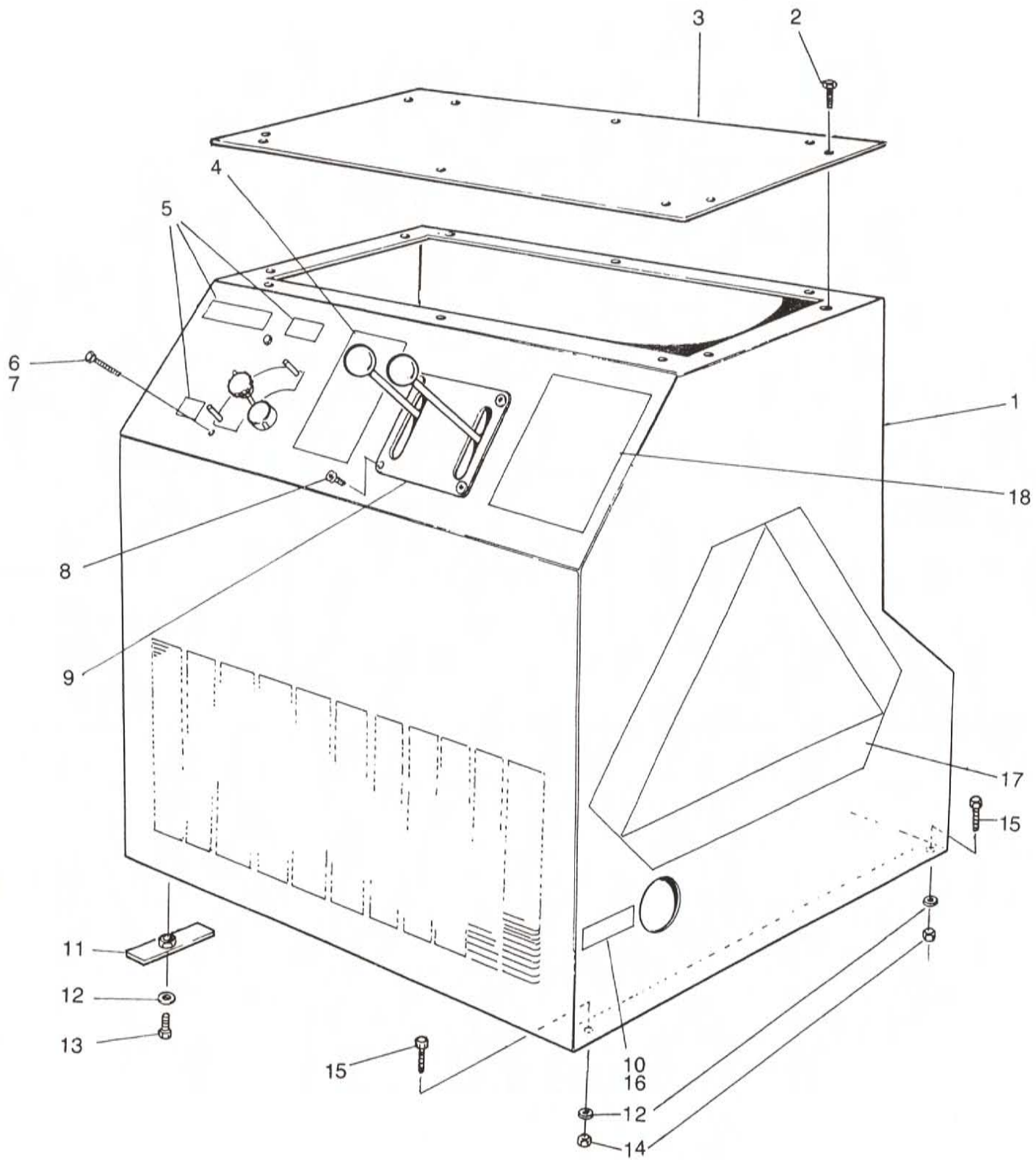
QTY	ITEM	DESCRIPTION	PART NO.	SIZE
SCALE	1:5	DATE	DIMENSIONS IN MM [INCH]	
DRAWN BY	J.V.A.	RE. 26/84	PARENT PART	39.035
CHECK BY			REPLACES	
APPROVED BY			REPLACED BY	
DATE	30.184	12 GA	SPEC. OR CR. HR. P & O	
TOLERANCES +/- 1MM HOLES +/- 0.5MM, PLASMA CUTTING +/- 0.5MM				
WELDING +/- 1MM UNLESS OTHERWISE SPECIFIED				
NAME: CABINET RIGHT 4005				
VANA INDUSTRIES V 2.037				



CABINET

SECTION 9

CABINET	9.3
TOP COVER	9.3
COVER HYDRAULIC CONTROL	9.3
MOUNTING BRACKET	9.3



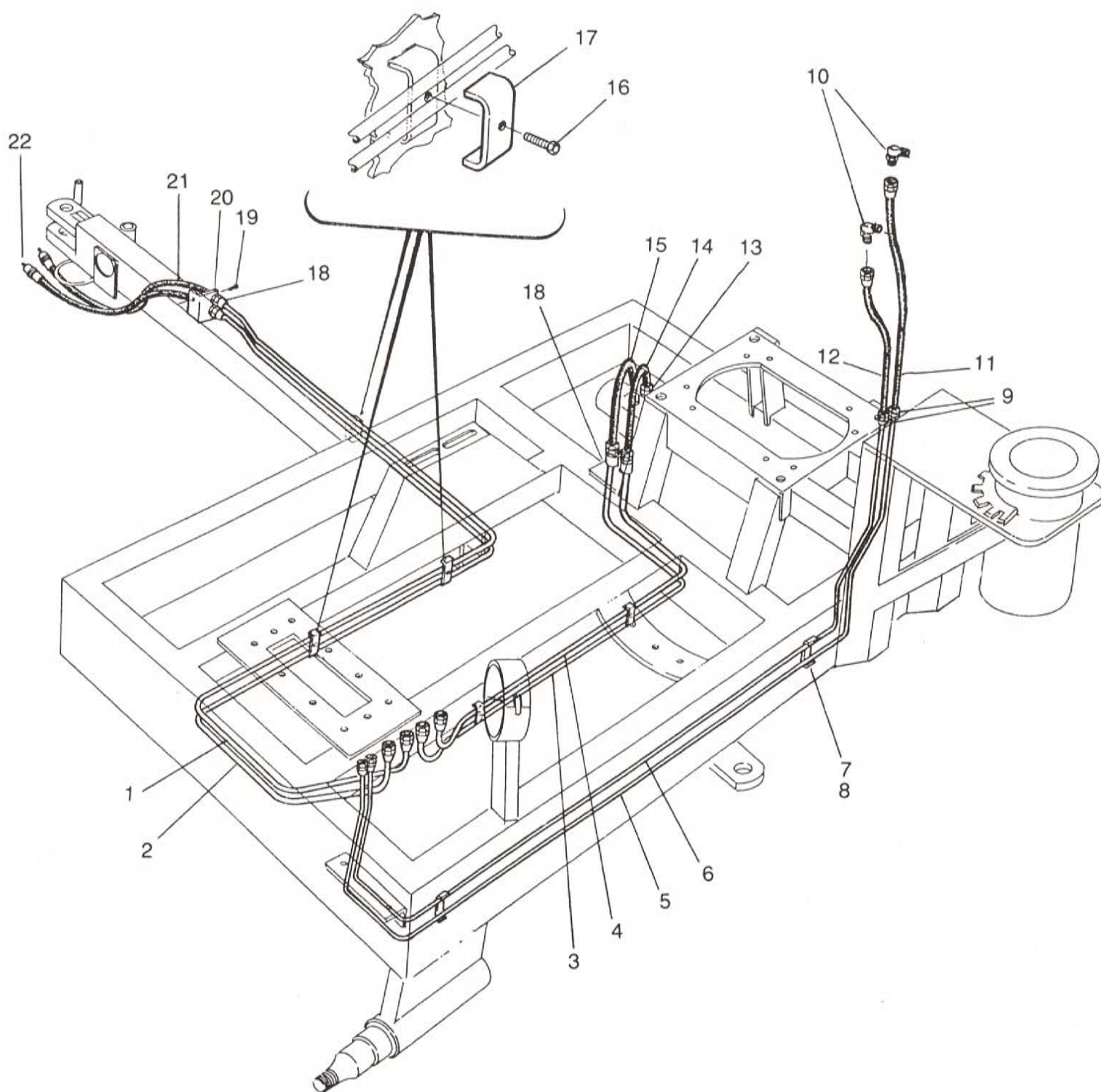
9. CABINET

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	39.001	Cabinet	1	1	
1	39.035	Cabinet			1
2	56.038	Screw 1/4" - # 20 x 1/2"	10	10	10
3	39.016	Top Cover	1	1	
3	39.012	Top Cover SC Hydraulics	1	1	
3	39.018	Top Cover			1
3	39.041	Top Cover SC Hydraulics			1
4	68.003	Decal Airlock Control	1	1	1
5	68.004	Decal Sirlock Speed	1	1	1
6	56.011	Machine Bolt 1/4"NC x 2 1/2"	2	2	2
7	56.030	Lock Nut 1/4"NC	2	2	2
8	56.040	Screw # 12 x 1/2"	4	4	4
9	39.013	Cover Hydraulic Controls	1	1	1
10	68.007	Decal Oil Level Front	1	1	1
11	39.025	Cabinet Mounting Bracket	1	1	1
12	56.036	Lock Washer 3/8"	4	4	4
13	56.016	Machine Bolt 3/8"NC x 1 1/4"	1	1	1
14	56.059	Nut 3/8"NC	3	3	3
15	56.013	Machine Bolt 3/8"NC x 1"	3	3	3
16	68.006	Decal Oil Level Rear	1	1	1
17	68.001	Decal Slow Moving Vehicle	1	1	1
18	68.002	Decal Boom Control	1	1	1

HYDRAULICS

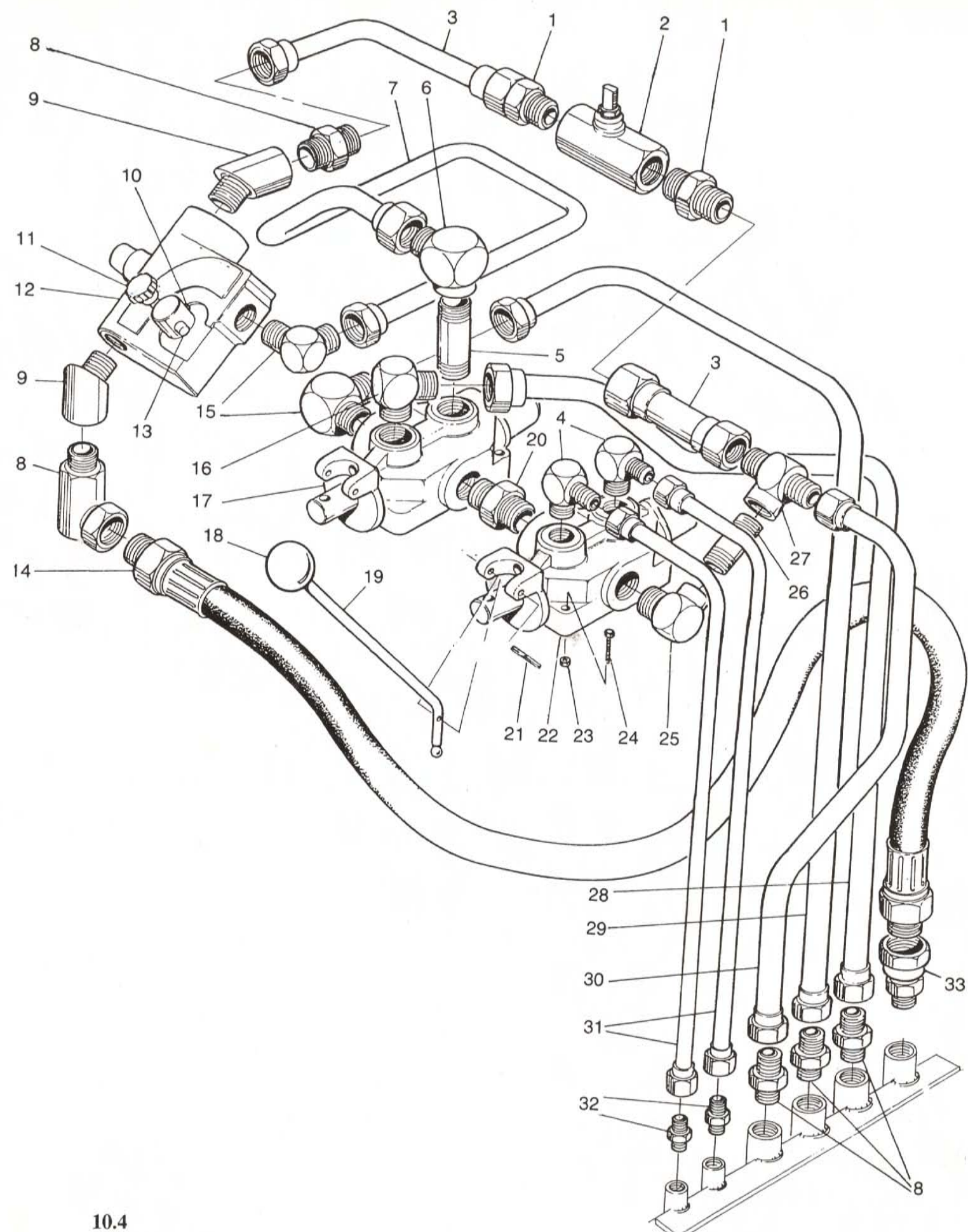
SECTION 10

HYDRAULIC HOSE TRACTOR	10.3
HYDRAULIC LINES FRAME	10.3
HYDRAULIC HOSES CYLINDER	10.3
HYDRAULIC HOSES AIRLOCK MOTOR	10.3
HYDRAULIC LINES CABINET	10.5
HYDRAULIC CONTROLS CABINET	10.5
SELF CONTAINED HYD FRAME	10.7
SELF CONTAINED HYD TANK	10.9



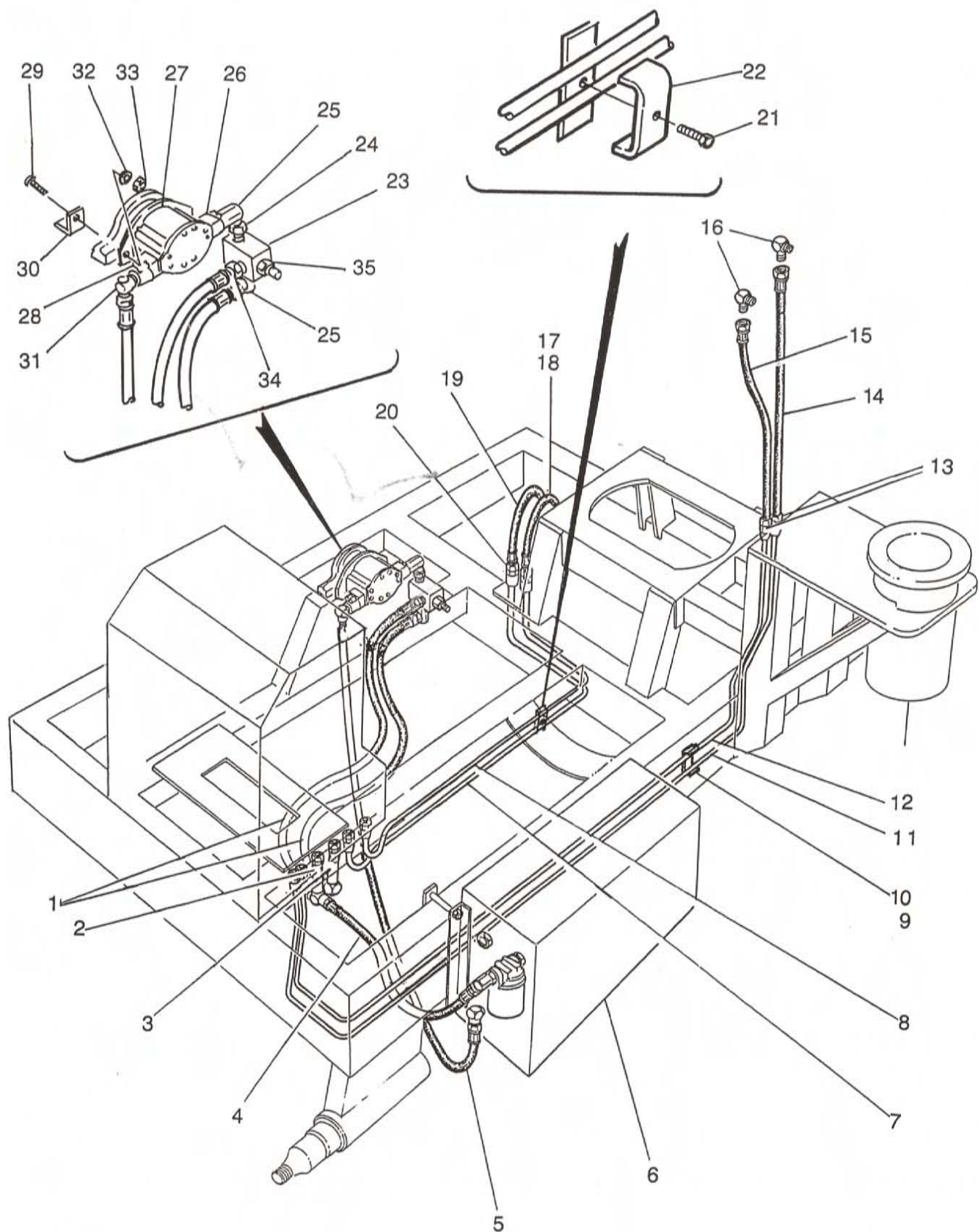
10. HYDRAULICS FRAME

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	22.002	Return Line Tongue	1	1	1
2	22.008	Supply Line Tongue	1	1	1
3	22.003	Return Line Hydraulic Motor	1	1	1
4	22.006	Supply Line Hydraulic Motor	1	1	1
5	22.012	Return Line Cylinder	1	1	1
6	22.011	Supply Line Cylinder	1	1	1
7	56.041	Screw # 12 x 1"	4	4	4
8	11.046	Top Bracket 3/8" Hydr. Lines	4	4	4
9	22.034	Straight Adaptor Male 1/4" NPT	2	2	2
10	22.027	Swivel Female 90 Degr.	2	2	2
11	22.024	Return Hose Cylinder	1	1	1
12	22.025	Supply Hose Cylinder	1	1	1
13	22.131	Swivel Female	2	2	2
14	22.023	Supply Hose Hydraulic Motor	1	1	1
15	22.022	Return Hose Hydraulic Motor	1	1	1
16	56.010	Machine Bolt 1/4"NC x 1 1/2"	6	6	6
17	11.074	Top Bracket 3/4" Hydr. Lines	6	6	6
18	22.035	Straight Adaptor Male 3/4" NPT	4	4	4
19	56.012	Self Tap Bolt 3/8"NC x 3/4"	2	2	2
20	11.075	Pipe Connector Bracket	1	1	1
21	22.129	Hydraulic Hose Tractor	2	2	2
22	22.033	Dust Cap			



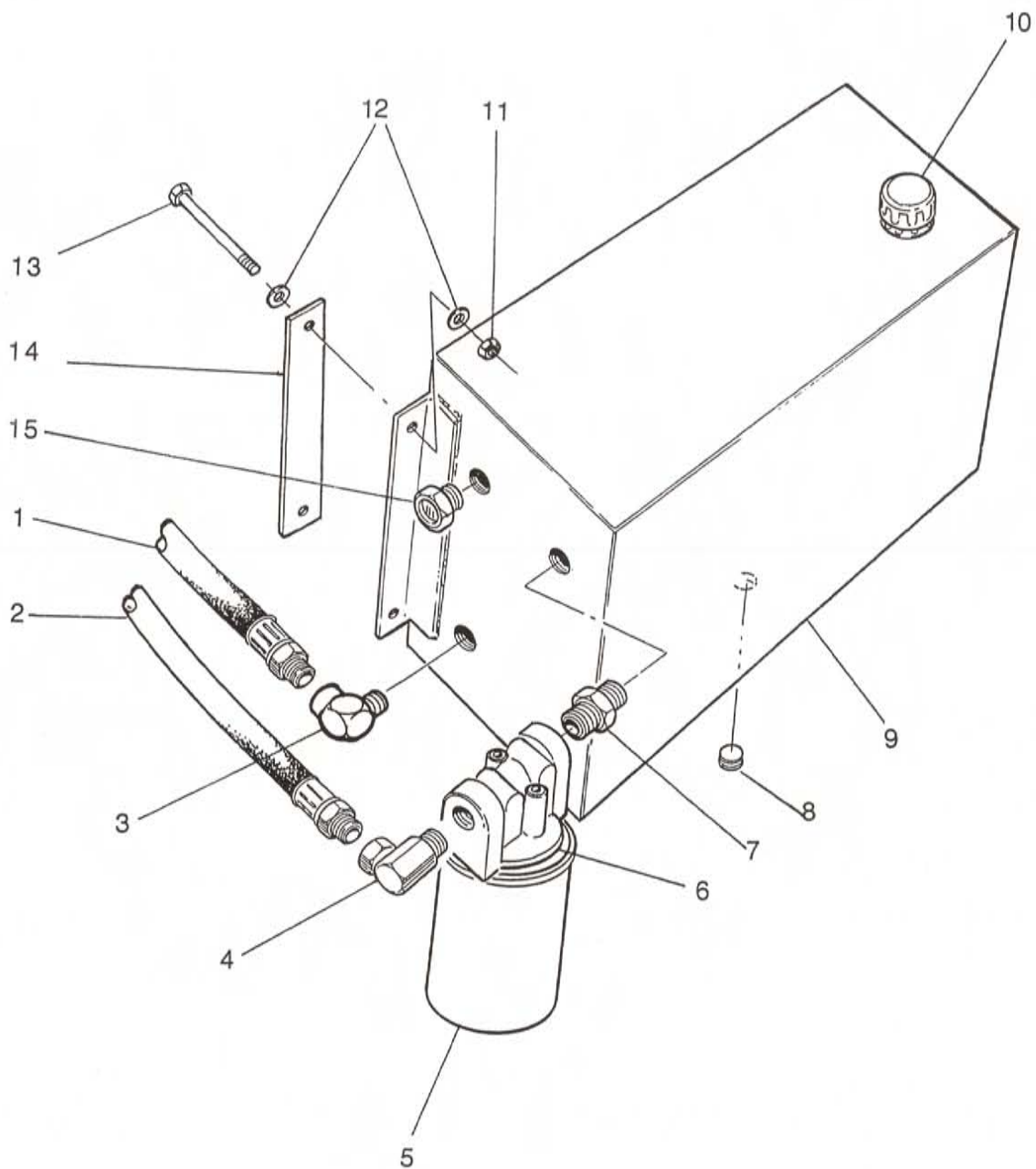
10. HYDRAULICS CABINET

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	22.032	Male Flareless Connector	2	2	2
2	22.048	Ball Valve	1	1	1
3	22.009	Excess Flow Line	1	1	1
4	22.036	Adaptor Male 1/2" NPT 90 Deg.	2	2	2
5	22.039	Pipe Nipple 1/2" x 2 1/4"	1	1	1
6	22.083	Adaptor Female 1/2" NPT 90 Deg.	1	1	1
7	22.007	Supply Line Flow Control	1	1	1
8	22.035	Straight Adaptor Male 3/4" NPT	10	10	8
8	22.063	Pipe Male to Swivel Female			1
9	22.031	Street Elbow 45 Deg.	2	2	2
10	56.078	Set Screw			
11	22.163	Knob Flow Control			
12	22.016	Flow Control Valve	1	1	1
13	22.164	Rod			
14	22.005	Controlled Flow Line Motor	1	1	
14	22.085	Controlled Flow Hose Motor			1
15	22.038	Adaptor Male 3/4" NPT 90 Deg.	2	2	2
16	22.037	Adaptor Male 1/2" NPT 90 Deg.	1	1	1
17	22.017	Control Valve Airlock	1	1	1
18	22.165	Knob Handle			
19	22.166	Handle Control Valve			
20	22.029	Pipe Nipple 3/4"	1	1	1
21	22.167	Pin Handle Control Valve			
22	22.018	Control Valve Boom	1	1	1
23	56.030	Lock Nut 1/4"NC	6	6	6
24	56.010	Machine Bolt 1/4"NC x 1 1/2"	6	6	6
25	22.061	Street Elbow 90 Deg.	1	1	1
26	22.041	Pipe Nipple 3/4" x 4 1/4"	1	1	1
27	22.084	Female Branch Tee	1	1	1
28	22.004	Return Line Motor	1	1	1
29	22.001	Supply Line Cabinet	1	1	1
30	22.010	Tee Return Line	1	1	1
31	22.013	Supply - Return Line Cylinder	2	2	2
32	22.034	Straight Adaptor Male 1/4" NPT	2	2	2
33	22.082	Straight Swivel 3/4"			1



10. HYDRAULICS CABINET

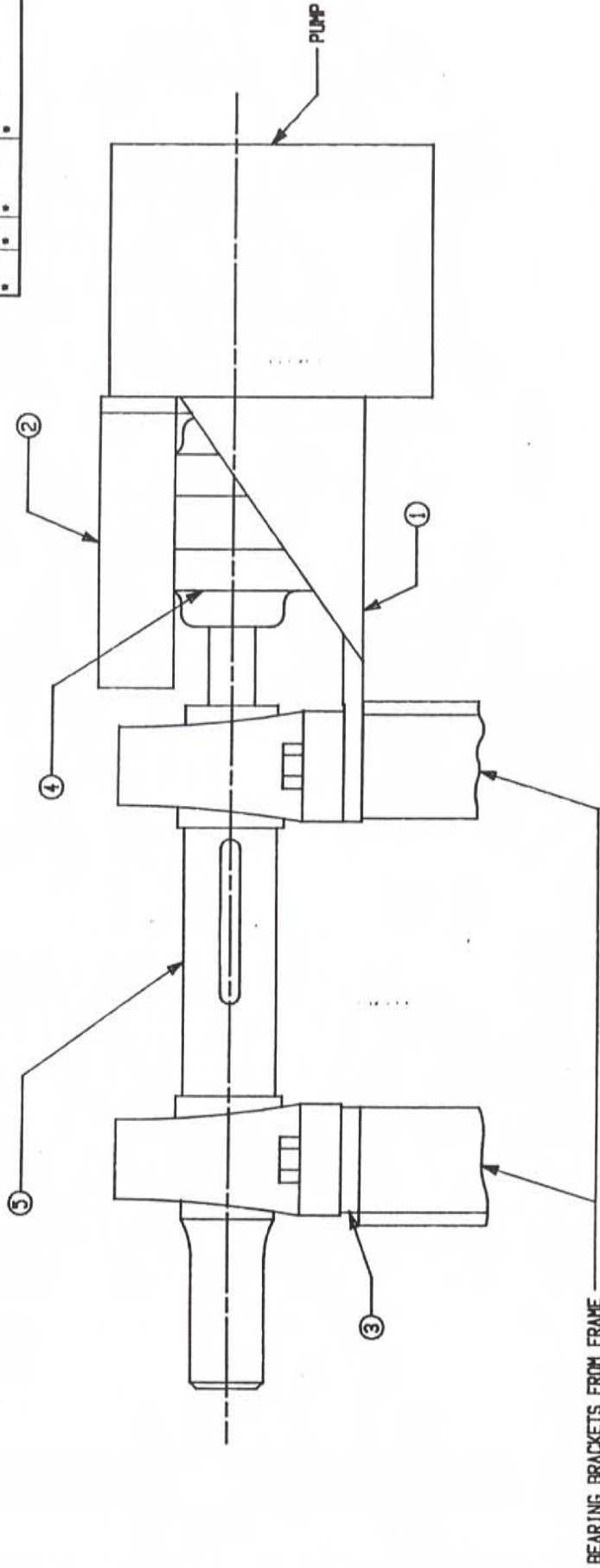
ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	22.139	Hydraulic Hose 3/4" x 54"	2	2	2
2	22.114	Hydraulic Line Tee Weldment	1	1	1
3	22.113	Hydraulic Line Elbow Weldment	1	1	1
4	22.079	Hydraulic Hose 3/4" x 28"	1	1	1
5	22.140	Hydraulic Hose 3/4" x 67"	1	1	1
6	Ref.	See Page 10.3 C			
7	22.003	Return Line Hydraulic Motor	1	1	1
8	22.006	Supply Line Hydraulic Motor	1	1	1
9	56.041	Screw # 12 x 1"	4	4	4
10	11.046	Top Bracket 3/8" Hydr. Lines	4	4	4
11	22.012	Return Line Cylinder	1	1	1
12	22.011	Supply Line Cylinder	1	1	1
13	22.034	Straight Adaptor Male 1/4" NPT	2	2	2
14	22.024	Return Hose Cylinder	1	1	1
15	22.025	Supply Hose Cylinder	1	1	1
16	22.027	Swivel Female 90 Deg.	2	2	2
17	22.131	Swivel Female	2	2	2
18	22.023	Supply Hose Hydraulic Motor	1	1	1
19	22.022	Return Hose Hydraulic Motor	1	1	1
20	22.035	Straight Adaptor Male 3/4"	2	2	2
21	56.010	Machine Bolt 1/4"NC x 1 1/2"	2	2	2
22	11.074	Top Bracket 3/4" Hydr. Lines	2	2	2
23	22.068	Pressure Relief Valve	1	1	1
24	22.063	Pipe Male to Swivel Female	3	3	3
25	22.029	Pipe Nipple 3/4"	2	2	2
26	22.050	Port Connector 3/4"	1	1	1
27	22.049	Hydraulic Pump	1	1	1
28	22.051	Port Connector 1"	1	1	1
29	56.025	Machine Bolt 1/2"NC x 1 1/2"	2	2	2
30	11.218	Pump Support Angle	2	2	2
31	22.073	Pipe Male to Swivel Female	1	1	1
32	56.037	Lock Washer 1/2"	2	2	2
33	56.003	Jam Nut 1/2"NC	2	2	2
34	22.082	Straight Swivel 3/4"	1	1	1
35	22.046	Plug 1/4"	2	2	2



10. HYDRAULICS CABINET

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	Ref.	See Page 10.3 A			
2	Ref.	See Page 10.3 A			
3	22.061	Street Elbow	1	1	1
4	22.063	Pipe Male to Swivel Female	1	1	1
5	22.105	Filter Element	1	1	1
6	22.067	Filter	1	1	1
7	22.029	Pipe Nipple 3/4"	1	1	1
8	22.074	Drain Plug 1/2"	1	1	1
9	13.009	Oil Tank	1	1	1
10	22.066	Filler Breather	1	1	1
11	56.033	Lock Nut 1/2"NC	4	4	4
12	56.009	Flat Washer 1/2"	8	8	8
13	56.054	Machine Bolt 1/2"NC x 3 1/2"	4	4	4
14	13.006	Flat Mount	2	2	2
15	22.119	Sight Glass 3/4"	1	1	1

ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	*	PUMP BRACKET
2	1	*	PUMP GUARD
3	2	*	SPACERS
4	1	*	COUPLING SET
5	1	18,020 R1	SPLINE SHAFT - REVISION 1
*	*	*	*
*	*	*	*

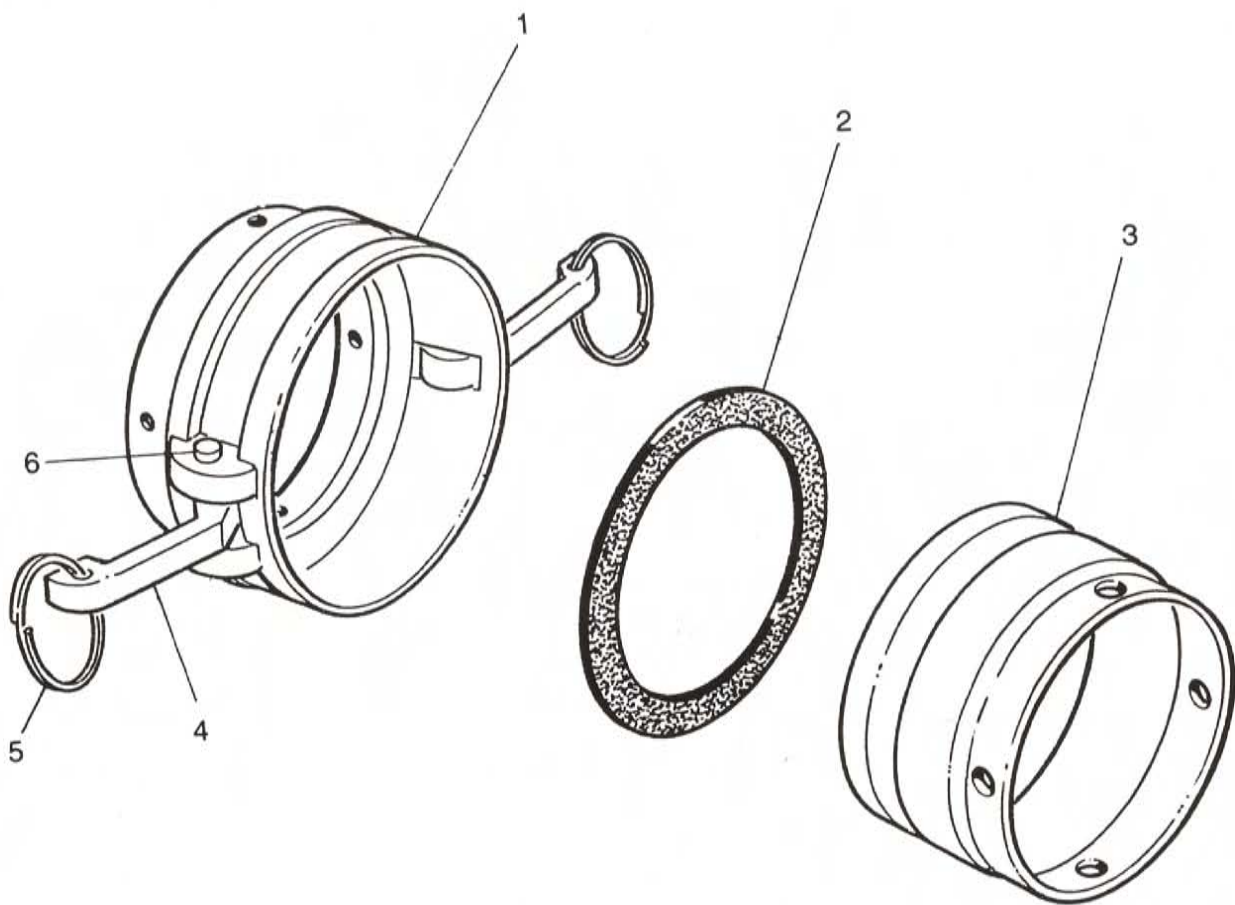


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REV	DATE	INT	REVISION DESCRIPTION
SCALE:	0.5:1	DRAWN BY:	J. L. S.
MATERIAL SPEC:		DATE:	91-10-03
MATERIAL DESCRIPTION:			
PART DESCRIPTION:			
HYDRAULIC PUMP CONVERSION KIT			
THOR MFG. LTD.		DRAWING NO.:	*

ACCESSORIES

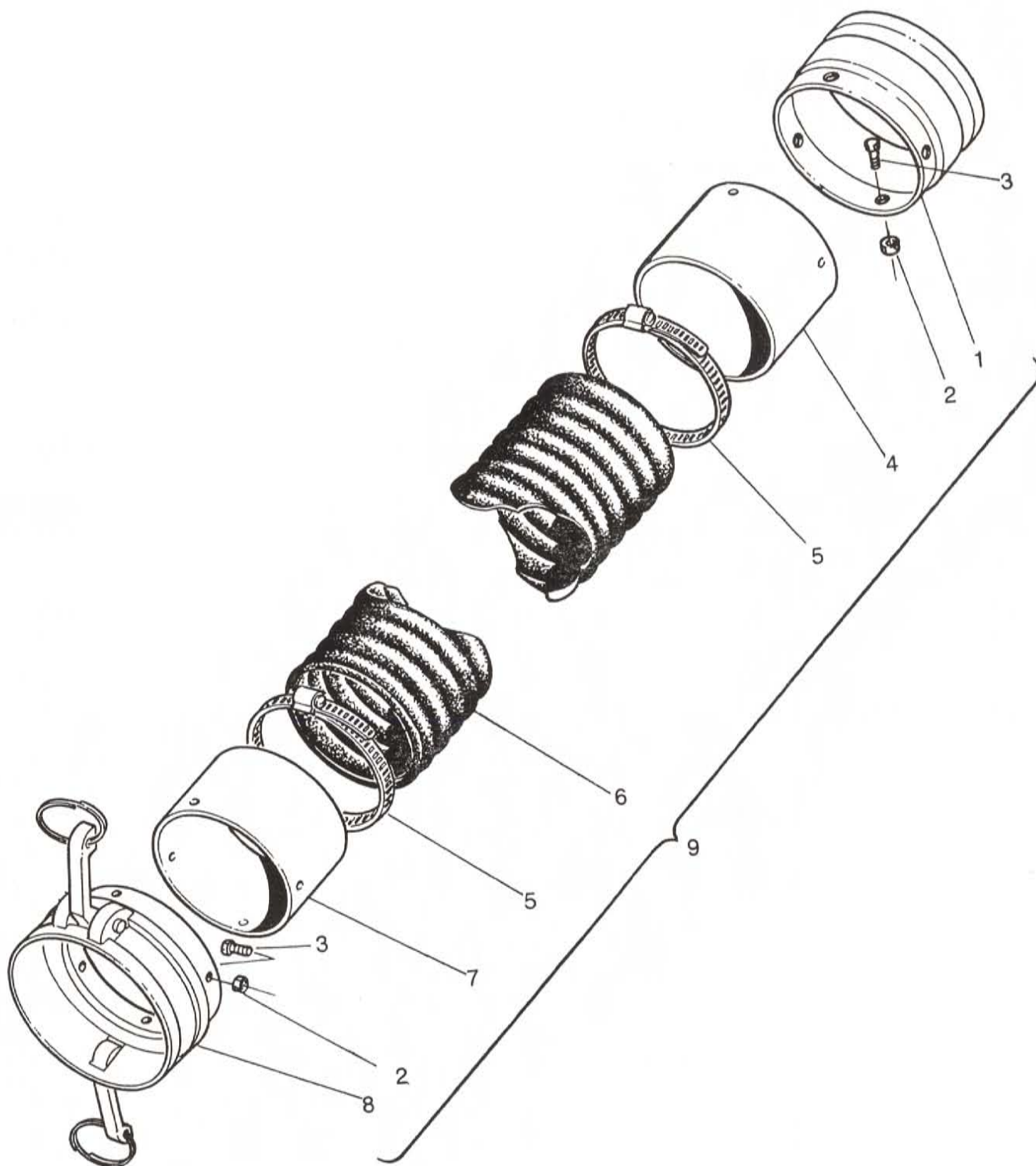
SECTION 11

FEMALE COUPLER	11.3
COUPLER GASKET	11.3
MALE COUPLER	11.3
POLY HOSE ASSEMBLY	11.5
POLY HOSE	11.5
HOSE ENDS	11.5
COUPLERS	11.5
CLEAN-UP NOZZLE ASSEMBLY	11.7
CLEAN -UP NOZZLE ROTARY	11.7
ALUMINUM TUBE SLOTTED	11.7
AIR SLIDE	11.7
SEAL CLAMP	11.7
INTAKE NOZZLE FLARE	11.7
INTAKE NOZZLE CLIPS	11.7
INTAKE NOZZLE WHEELS	11.7
FULL BIN NOZZLE	11.9
COUPLER	11.9
AIRSLIDE	11.9
STEEL FLEX HOSE ASSEMBLY	11.11
COUPLERS	11.11



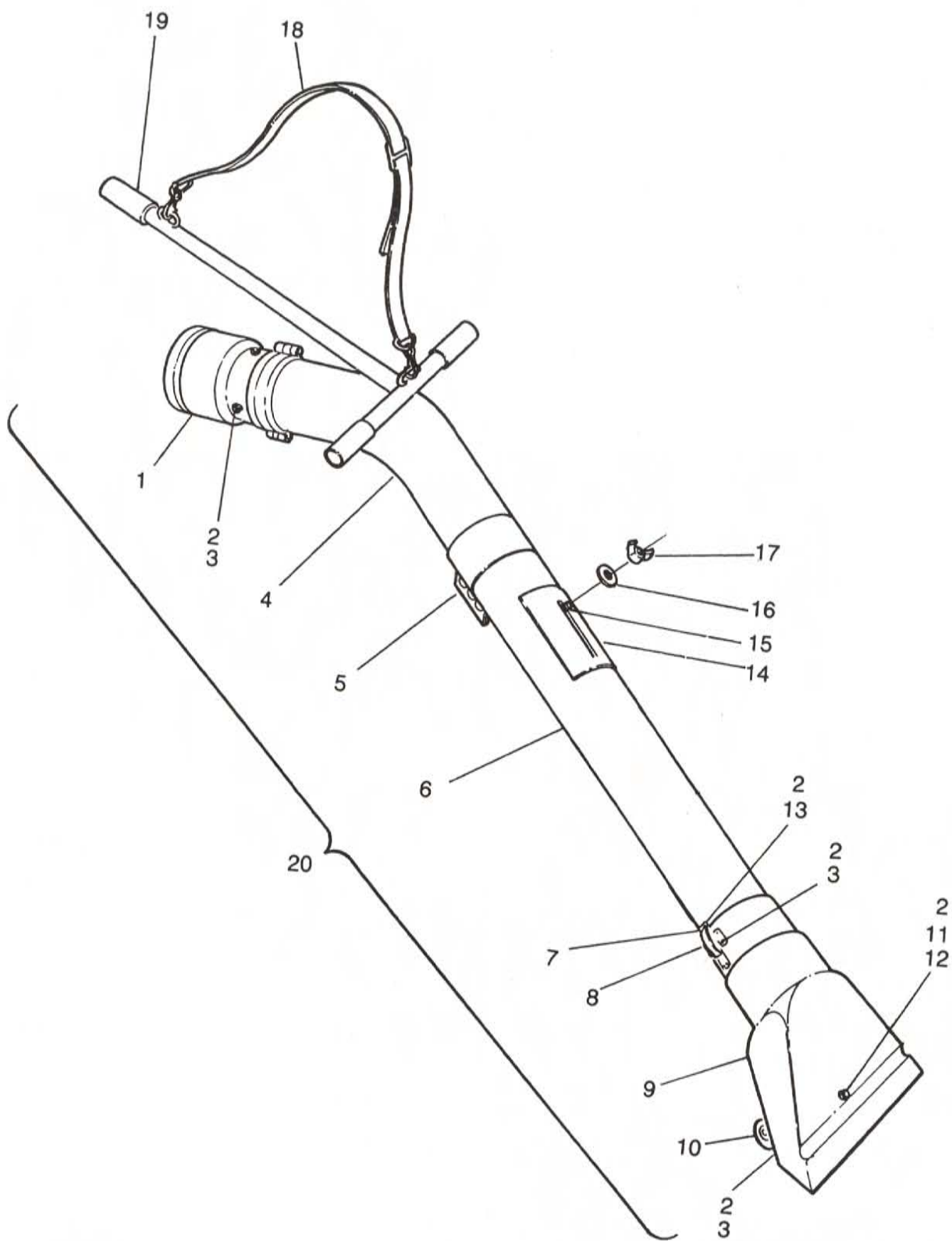
11. COUPLER

ITEM	PART NO.	DESCRIPTION	4"	5"	6"
1	26.005	Female Coupler 4"	1		
1	26.007	Female Coupler 5"		1	
1	26.052	Female Coupler 6"			1
2	64.027	Coupler Gasket 4"	1		
2	64.028	Coupler Gasket 5"		1	
2	64.029	Coupler Gasket 6"			1
3	26.004	Male Coupler 4"	1		
3	26.006	Male Coupler 5"		1	
3	26.051	Male Coupler 6"			1
4	26.083	Cam Lever 4", 5"	2	2	
4	26.086	Cam Lever 6"			2
5	26.085	Finger Ring	2	2	2
6	26.058	Pin Cam Lever 4", 5"	2	2	
6	26.059	Pin Cam Lever 6"			2



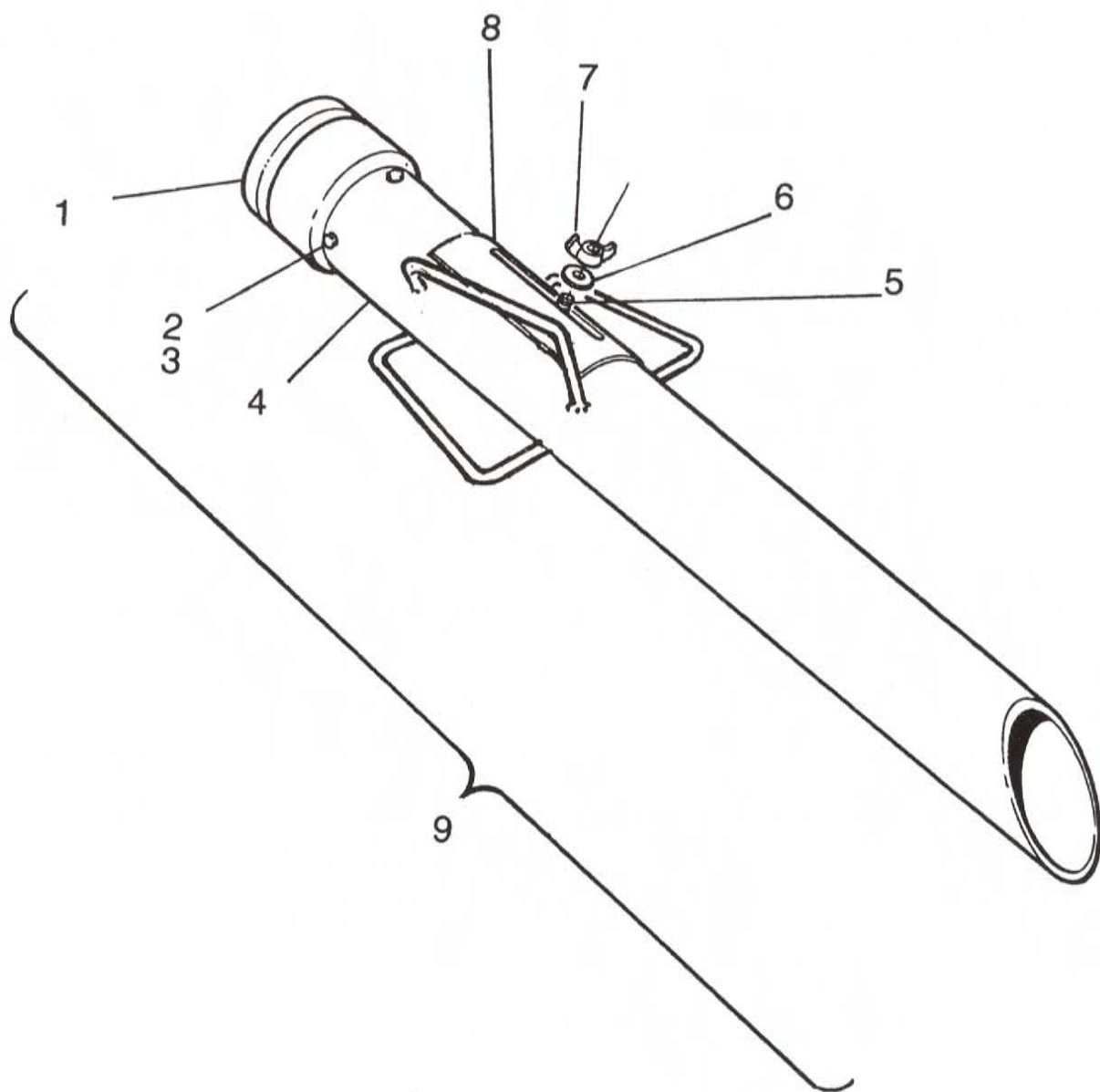
11. CLEAN UP HOSE

ITEM	PART NO.	DESCRIPTION	4"	5"	6"
1	26.006	Male Coupler 5"	1	1	
1	26.051	Male Coupler 6"			1
2	56.030	Lock Nut 1/4"NC	8	8	8
3	56.027	Carriage Bolt 1/4"NC x 3/4"	8	8	8
4	26.028	Reducer 5" - 4"	1		
4	43.029	Tubing 5"		1	
4	26.044	Reducer 6" - 5"			1
5	26.012	Gear Clamp 4"	2		
5	26.042	T-Bolt Hose Clamp 5"		2	2
6	43.071	Poly Hose 4" - 14'	1		
6	43.078	Poly Hose 5" - 14'		1	1
7	43.035	Tubing 4"	1		
7	43.029	Tubing 5"		1	1
8	26.005	Female Coupler 4"	1		
8	26.007	Female Coupler 5"		1	
9	43.034	Poly Hose Assembly 4"	1		
9	43.079	Poly Hose Assembly 5"		1	
9	43.056	Poly Hose Assembly 6" - 5"			1



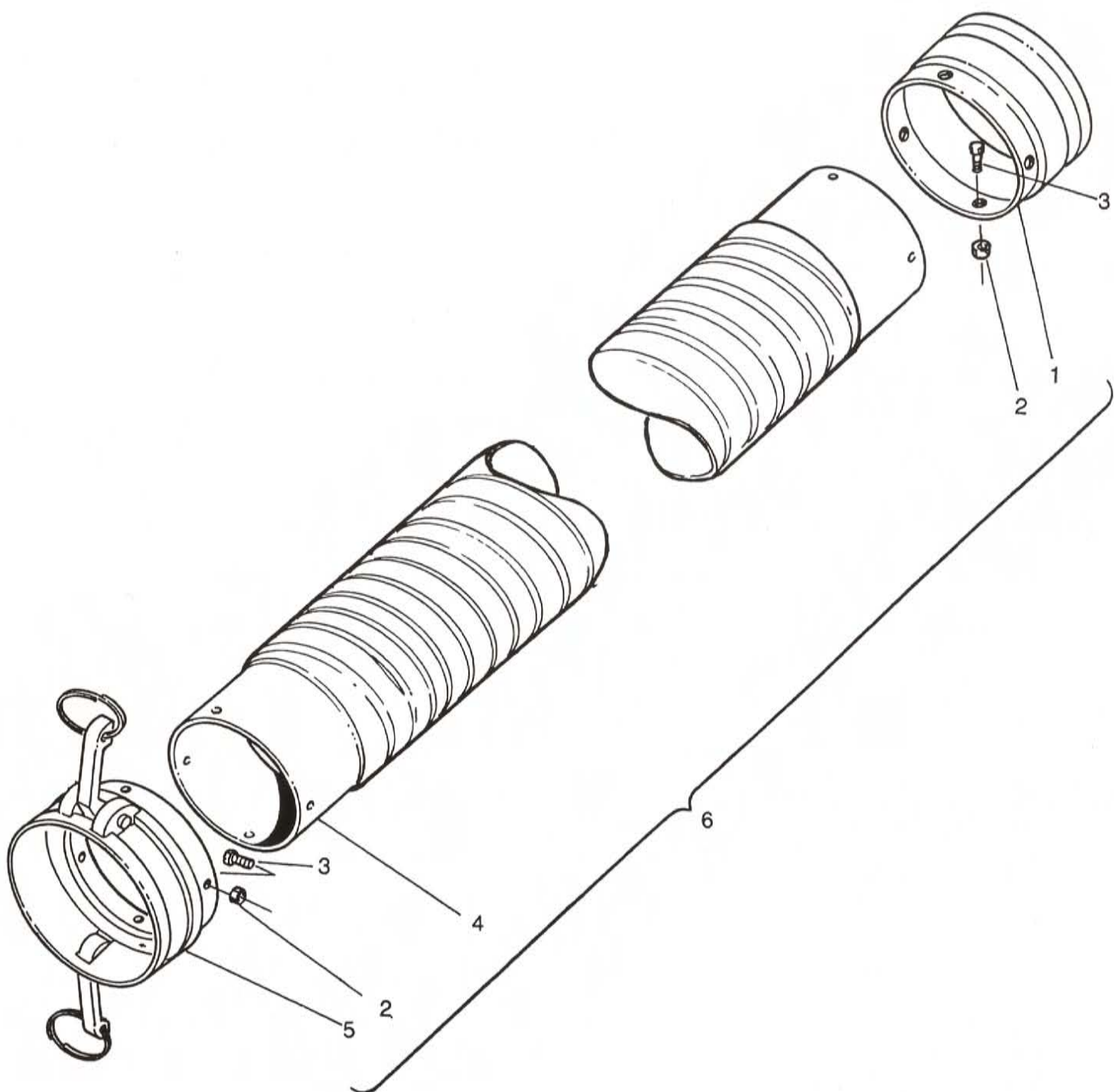
11. CLEAN UP NOZZLE

ITEM	PART NO.	DESCRIPTION	4"	5"
1	26.004	Male Coupler 4"	1	
1	26.006	Male Coupler 5"		1
2	56.030	Lock Nut 1/4"NC	17	17
3	56.027	Carriage Bolt 1/4"NC x 3/4"	12	12
4	43.024	Top Elbow Assembly 4"	1	
4	43.025	Top Elbow Assembly 5"		1
5	26.010	Seal Clamp 4"	1	
5	26.011	Seal Clamp 5"		1
6	43.037	Aluminum Tubing 4"	1	
6	43.031	Aluminum Tubing 5"		1
7	60.003	Strike	2	2
8	60.002	Hood Fastener	2	2
9	43.041 43083	Intake Flare 4"	1	
9	43.001	Intake Flare 5"		1
10	60.009	Wheel	2	2
11	56.066	Machine Bolt 1/4"NC x 3"	1	1
12	43.060	Spacer Pipe	1	1
13	56.048	Carriage Bolt 1/4"NC x 1/2"	4	4
14	43.038	Top Slide 4"	1	
14	43.003	Top Slide 5"		1
15	43.039	Bottom Slide 4"	1	
15	43.004	Bottom Slide 5"		1
16	56.035	Flat Washer 3/8"	1	1
17	56.007	Wing Nut 3/8"NC	1	1
18	60.021	Shoulder Strap	1	1
19	60.008	Handle Grip	3	3
20	43.036	Clean Up Nozzle Assembly 4"		
20	43.030	Clean Up Nozzle Assembly 5"		



11. FULL BIN NOZZLE

ITEM	PART NO.	DESCRIPTION	5"	6"
1	26.006	Male Coupler 5"	1	
1	26.051	Male Coupler 6"		1
2	56.030	Lock Nut 1/4"NC	4	4
3	56.027	Carriage Bolt 1/4"NC x 3/4"	4	4
4	43.043	Bin Nozzle 5"	1	
4	43.052	Bin Nozzle 6"		1
5	43.004	Bottom Slide 5"	1	
5	43.066	Bottom Slide 6"		1
6	56.037	Flat Washer 3/8"	1	1
7	56.007	Wing Nut 3/8"NC	1	1
8	43.003	Top Slide 5"	1	
8	43.054	Top Slide 6"		1
9	43.042	Bin Nozzle Assembly 5"		
9	43.051	Bin Nozzle Assembly 6"		



11. STEEL FLEX HOSE

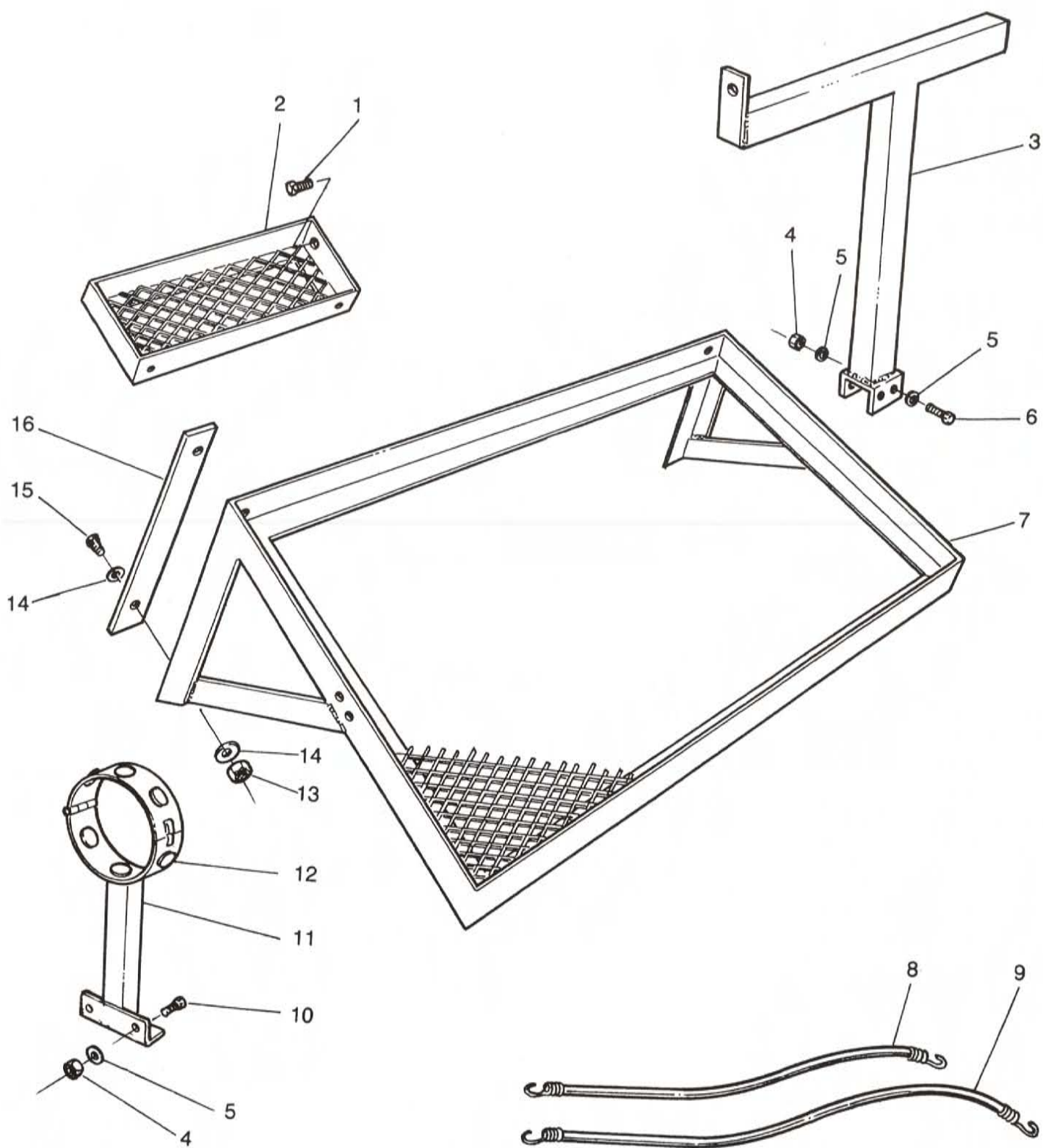
ITEM	PART NO.	DESCRIPTION	5"	6"
1	26.006	Male Coupler 5"	1	
1	26.051	Male Coupler 6"		1
2	56.030	Lock Nut 1/4"NC	8	8
3	56.027	Carriage Bolt 1/4"NC x 3/4"	8	8
4	43.033	Steel Flex Hose Weldment 5"	1	
4	43.048	Steel Flex Hose Weldment 6"		1
5	26.007	Female Coupler 5"	1	
5	26.052	Female Coupler 6"		1
6	43.032	Steel Flex Hose Assembly 5"		
6	43.047	Steel Flex Hose Assembly 6"		



ACCESSORY CARRIER

SECTION 12

ACCESSORY CARRIER FRONT	12.3
ACCESSORY CARRIER CENTER	12.3
ACCESSORY CARRIER REAR	12.3
FLAT MOUNT CARRIER REAR	12.3
BOOM SUPPORT	12.3
TARP STRAPS	12.3



12. ACCESSORY CARRIER

ITEM	PART NO.	DESCRIPTION	3005	3505	4005
1	56.012	Self Tap Bolt 3/8"NC x 3/4"	3	3	3
2	11.165	Accessory Carrier Front	1	1	1
3	11.160	Accessory Carrier Centre	1	1	1
4	56.031	Lock Nut 3/8"NC	4	4	4
5	56.035	Flat Washer 3/8"	6	6	6
6	56.070	Machine Bolt 3/8"NC x 3"	2	2	2
7	11.152	Accessory Carrier Rear	1	1	1
8	60.027	Tarp Strap L = 20"	1	1	1
9	60.026	Tarp Strap L = 28"	2	2	2
10	56.013	Machine Bolt 3/8"NC x 1"	2	2	2
11	11.145	Boom Seat 5"	1		
11	11.146	Boom Seat 6"		1	1
12	64.031	Rubber Button	5	5	5
13	56.033	Lock Nut 1/2"NC	4	4	4
14	56.009	Flat Washer 1/2"	8	8	8
15	56.054	Machine Bolt 1/2"NC x 3 1/2"	4	4	4
16	13.006	Flat Mount	2	2	2

VANA INDUSTRIES LTD.

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