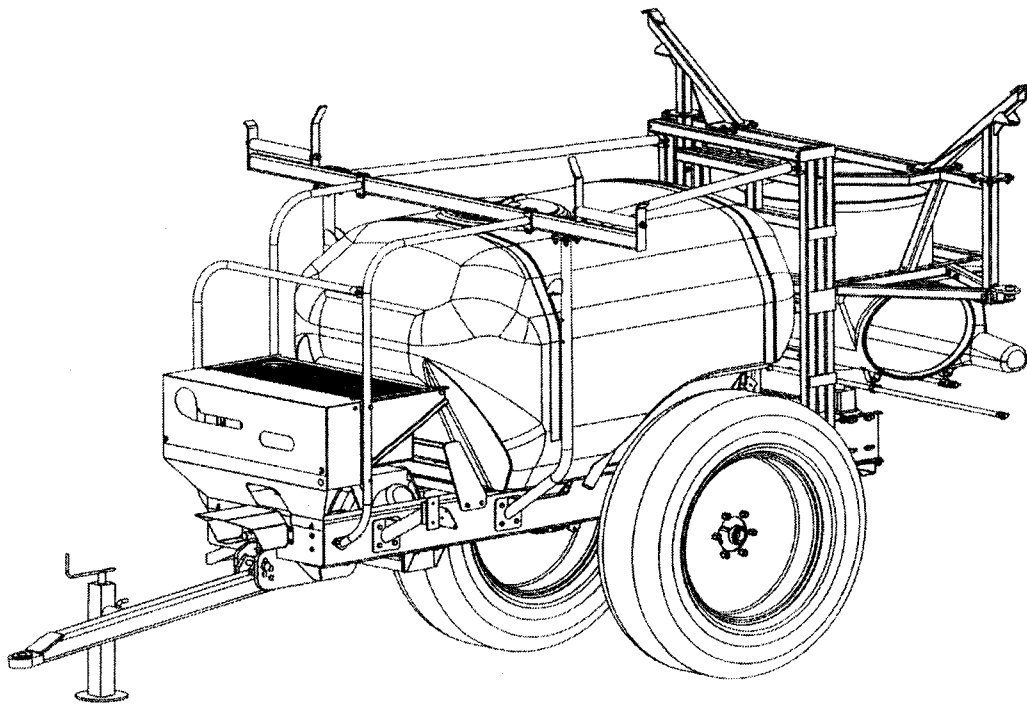




2000 Lit. Degania Trailed Sprayer



Parts Manual

Branches

Cape Town
Tel: (021) 907 1700
Fax: (021) 907 1760

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Tel: (011) 976 3070
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Tel: (033) 3346 2727
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Effective Date: November 06

INDEX

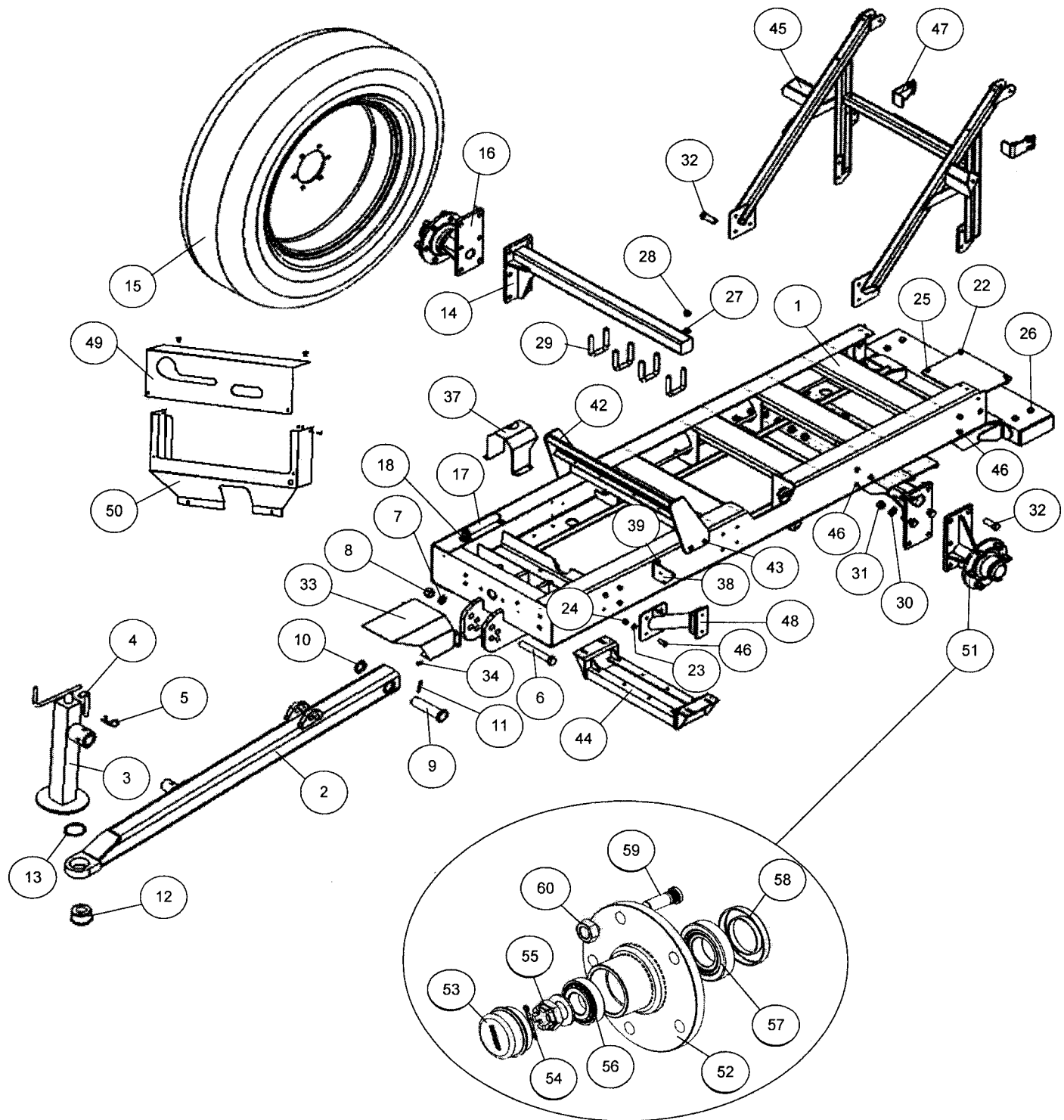
PAGES	DESCRIPTION
1 - 2	Undercarriage complete
3 - 4	Pump & Fan drive system
5 - 6	Pump
7 - 8	Gearbox
9 - 10	PTO's
11 - 12	Tanks & Clamps
13 - 14	Upper frames
15 - 16	Blower box complete
17 - 18	Cylinders
19 - 20	Hydraulic lay-out
21 - 22	Pressure supply system
23 - 24	Mixing system tank return
25 - 26	Tank filler system
27 - 28	System return
29 - 30	Suction system
31 - 32	Booms inner
33 - 34	Water system
35 - 36	Booms outer
37 - 38	Centre pipes
39	Stickers
40	Optional extras
41 - 42	Tandem wheels

WHEN ORDERING PARTS, PLEASE STATE:

- 1 Model, Serial Number & Size - No of tines (of the implement.)
- 2 Part number & description (of the spare part)
- 3 Number of parts required
- 4 Forwarding instructions
- 5 Correct name & Address of destination
- 6 Order number of approved Rovic & Leers dealer
- 7 Contact detail of recipient. (Consignee)

DEGANIA TRAILED SPRAYERS

UNDERCARRIAGE COMPLETE



DEGANIA TRAILED SPRAYERS

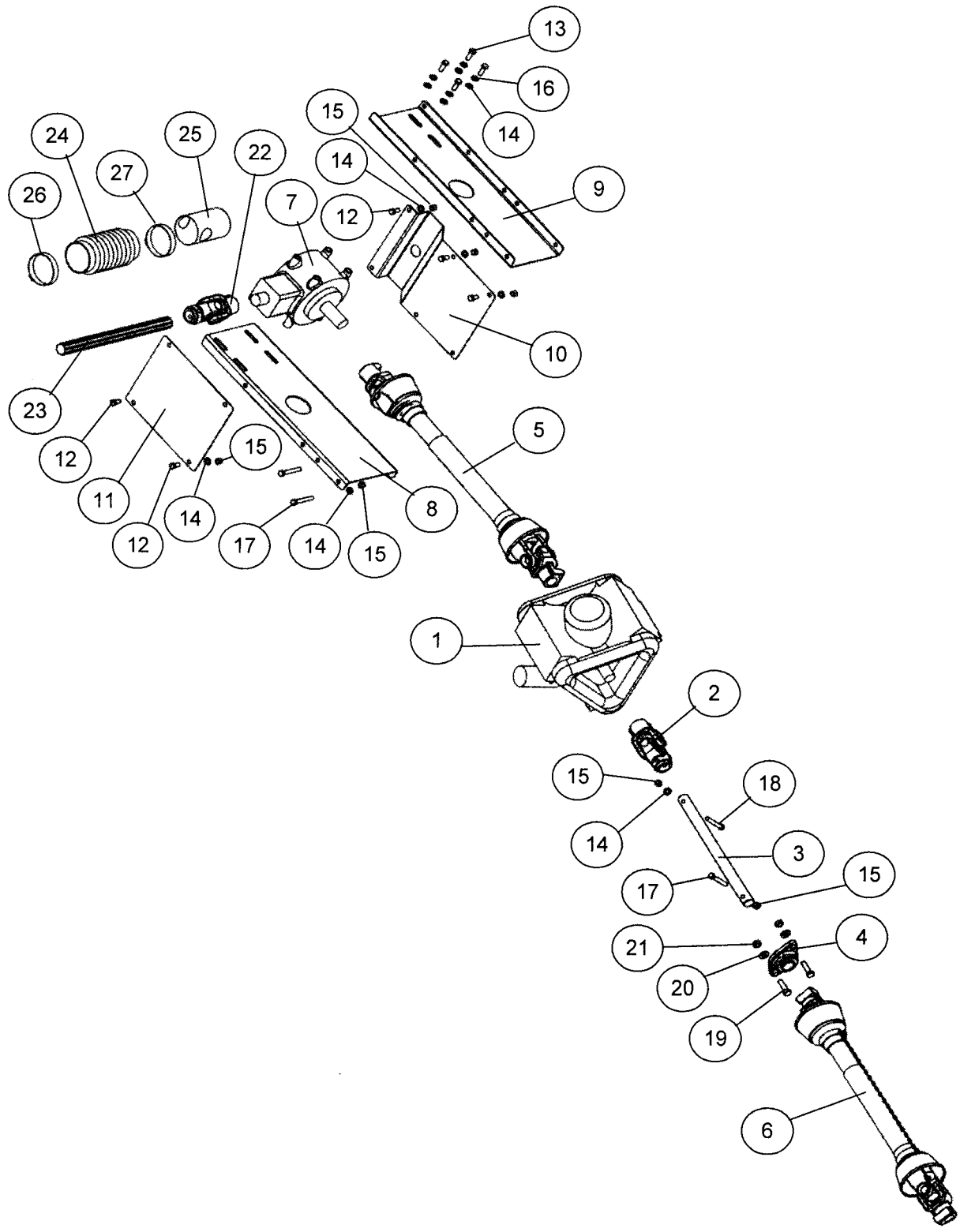
UNDERCARRIAGE COMPLETE

ITEM NO.	PART NUMBER	DESCRIPTION	QTY	
1	TS10054	Chassis	1	
2	TS10078	Drawbar	1	
3	JS54853	Parking jack	1	
4	AS55017	Securing pin - parking jack	1	
5	S13RC	R - clip	1	
6	M24X180G	Galv. Bolt	1	
7	M24GFW	Galv. Flat washer	1	
8	M24NY	Nyloc nut	1	
9	TS10086	Main swivel pin	1	
10	TS10088	main swivel pin washer	1	
11	M6X60GP	Groove pin	1	
12	JS21656A	Bush, tongue - 1 1/4"mm	1	
	JS21656	Bush, tongue - 45mm	Optional	
	JS21657	Bush, tongue - 52mm	Optional	
13	M82CIR	External circlip	1	
14	DE10210	70mm Stub axle	2	
15	TS10743	13.6 x 28 Tyre & Rim assy	2	
	TS10741	13.6 X 28 Rim complete	2	
	TS10742	13.6X28 Tyre	2	
16	DE10281	Bolt on stub axle	2	
17	TS10796	Pipe mntg brkt	1	
18	M8X25GSS	Galv. Set screw	2	
19	M8GFW	Galv. Flat washer	2	
20	M8NY	Nyloc nut	2	
21	TS10240	Sleeve boom mounting frame	1	
22	M12X30GSS	Galv. Set screw	10	
23	M12GFW	Galv. Flat washer	26	
24	M12NY	Nyloc nut	26	
25	M12X40GSS	Galv. Set screw	2	
26	M16X40GSS	Galv. Set screw	4	
27	M16GFW	Galv. Flat washer	36	
28	M16NY	Nyloc nut	36	
29	DE10203	70mm U - bolt	16	
30	M20GFW	Galv. Flat washer	8	
31	M20NY	Nyloc nut	8	
32	M20X60G	Galv. Bolt	8	
33	LT57129	PTO. Cover	1	
34	M8X20SSS	S/S set screw	8	
35	M8SFW	S/S Flat washer	8	
36	M8SNY	S/S Nyloc nut	8	
37	TS10791	Universal joint cover	1	
38	TS10762	Filler tap mntg brkt	1	
39	M10X25GSS	Galv. Set screw	2	
40	M10GFW	Galv. Flat washer	6	
41	M10NY	Nyloc nut	6	
42	TS10122	Main tank front support	1	
43	M10X30GSS	Galv. Set screw	4	
44	TS10068	Pump mntg brkt	1	
45	TS10107	Tank rear support frame	1	
46	M12X35GSS	Galv. Bolt	14	
47	TS10535	Tank stopper - rear	2	
48	TS10901	Mix. Tank mntg brkt	1	
49	TS11019	Cover removable	1	
50	TS11020	Fixed cover	1	
51	LS4112	70MM Hub compl. 5T HUS3000.05C	2	
52	6/160/205	Hub	1	
53	GCAP85.1	Dust cap	1	
◇	54	M5X55SP	Split pin	1
◇	55	M36CN2	Castle nut	1
◇	56	B30209	Bearing outer	1
◇	57	B30212	Bearing inner	1
◇	58	OS68-110-10	Seal	1
	59	M18WS	Stud	8
	60	M18WN	Wheel nut	8

◇ BKIT13 Bearing kit

DEGANIA TRAILED SPRAYERS

PUMP & FAN DRIVE SYSTEM



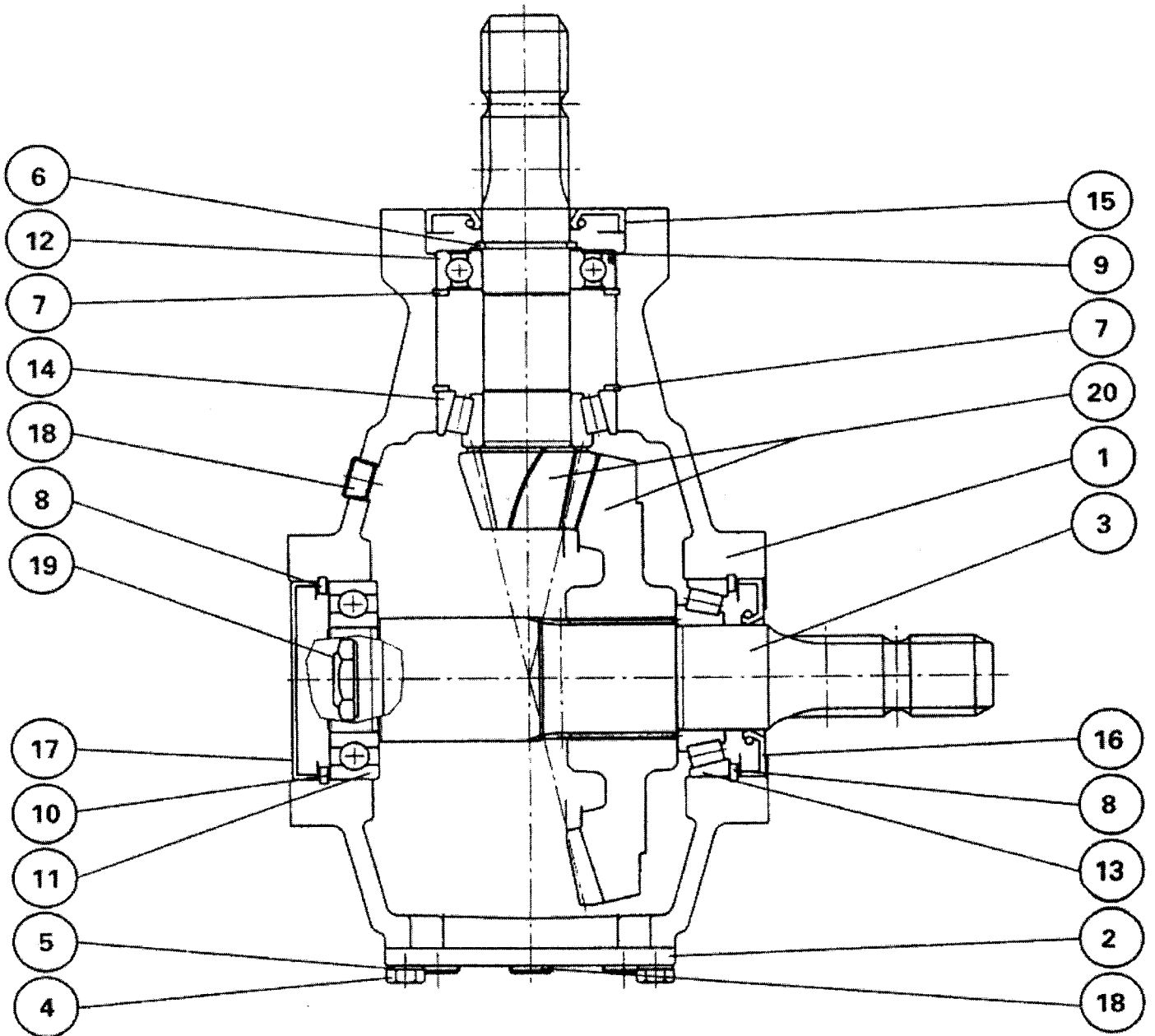
DEGANIA TRAILED SPRAYERS

PUMP & FAN DRIVE SYSTEM

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	SPD163	Imovilli 163 pump	1
2	LS4236	Drive shaft universal	1
3	TS10073	Pump drive shaft	1
4	LS2218	UCFL 207 Ø35 Flange type brg	1
5	TS10773	PTO - pump to gearbox	1
6	LS309	PTO - Drive to tractor	1
7	DES2071450002	Gearbox	1
8	TS10734	Gearbox brkt - LH	1
9	TS10733	Gearbox brkt - RH	1
10	TS10360	Base plate	1
11	TS10732	Upper cover	1
12	M12X25GSS	Galv. Bolt	10
13	M12X35GSS	Galv. Set screw	8
14	M12GFW	Galv. Flat washer	24
15	M12NY	Nyloc nut	16
16	M12GSW	Galv. Spring washer	8
17	M12X80G	Galv. Bolt	6
18	M12X80GSS	Galv set screw	1
19	M14X50GSS	Galv set screw	2
20	M14GFW	Galv. Flat washer	2
21	M14NY	Nyloc nut	2
22	DEBO81G1014001C	Double yoke	1
23	DEBO266000354	Fan shaft	1
24	DE309M12EX08	PVC shaft protector	1
25	DE309M12EX05	Fan shaft protector	1
26	DE772150	Clamp 109 - 150	1
27	DE772140	Clamp 92 - 140	1

DEGANIA TRAILED SPRAYERS

GEARBOX



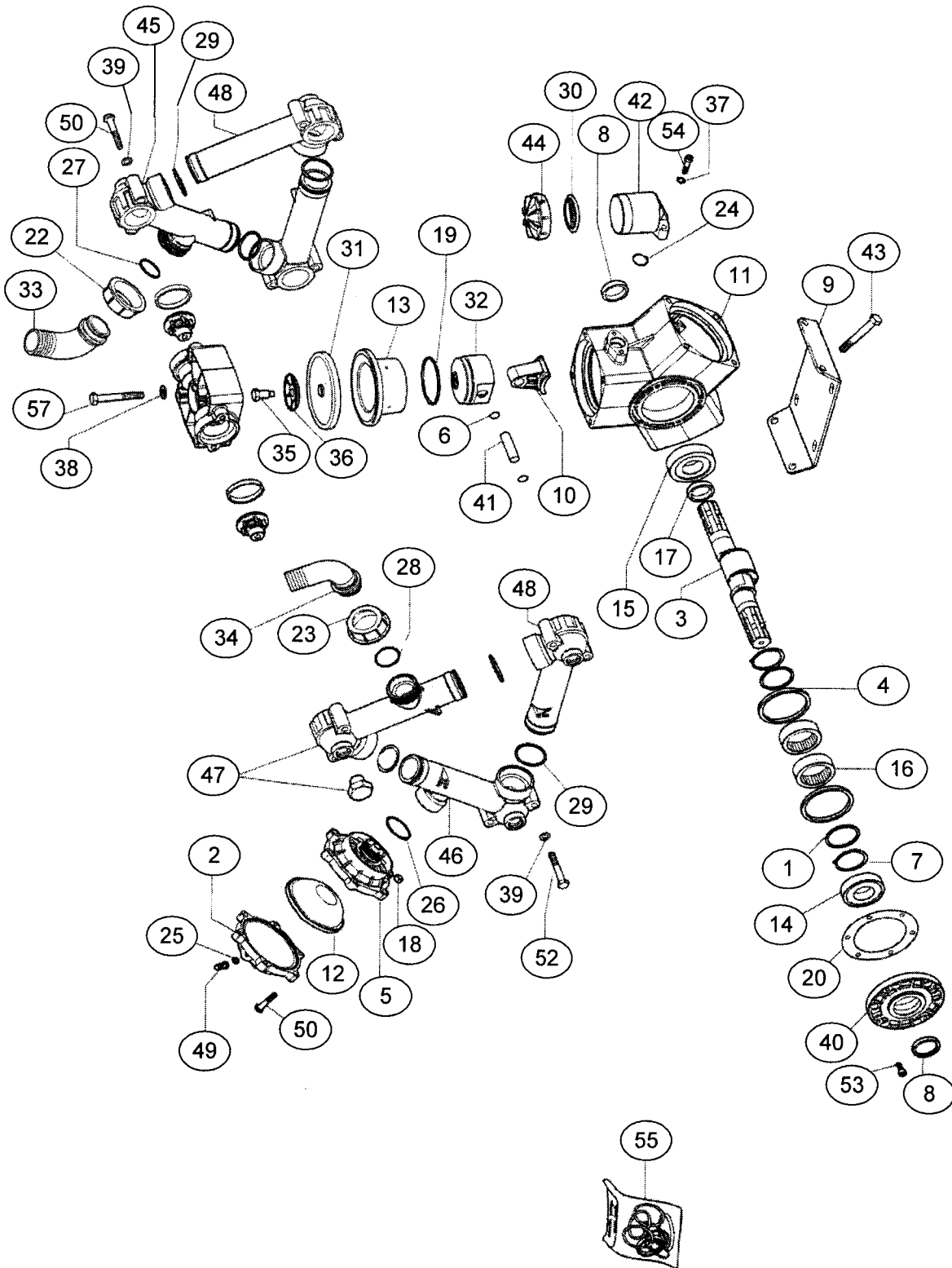
DEGANIA TRAILED SPRAYERS

GEARBOX

ITEM NO.	PART NUMBER	DESCRIPTION
1	DE290270307	Casing
2	DE29075A000	Cover
3	DE295034042	Shaft
4	DE319024200	M8 x 20 x 1.25C 8.8
5	DE335008002	Spring washer
6	DE337001035	Snap ring 35 x 2.5 DIN 471/2
7	DE338000072	Snap ring 72 x 2.5 DIN 472/1
8	DE338000085	Snap ring 85 x 3.00 DIN 472/1
9	DE340E03500	Spacer Ø35
10	DE340108500	Spacer Ø85
11	BE6209-2RS	Bearing 6209 - 45 x 85 x 19
12	BE6207-2RS	Bearing 6207 - 2RSI - 35 x 72 x 17
13	BE30209	Bearing 30209 - 45 x 85 x 20.75
14	BE32207A	Bearing 32207 - 35 x 72 x 24.25
15	DE355029035	Oil seal 35 x 80 x 10
16	DE355030045	Oil seal 45 x 85 x 10
17	DEBO37200600	Cover 85 x 10
18	DE373010000	Plug 3/8" B.S.P.
19	DE373024002	Level warning light M42 x 2
20	DE447450500	Bevel coupling R=4.5 per 2071

DEGANIA TRAILED SPRAYERS

IMOVILLI 163 PUMP



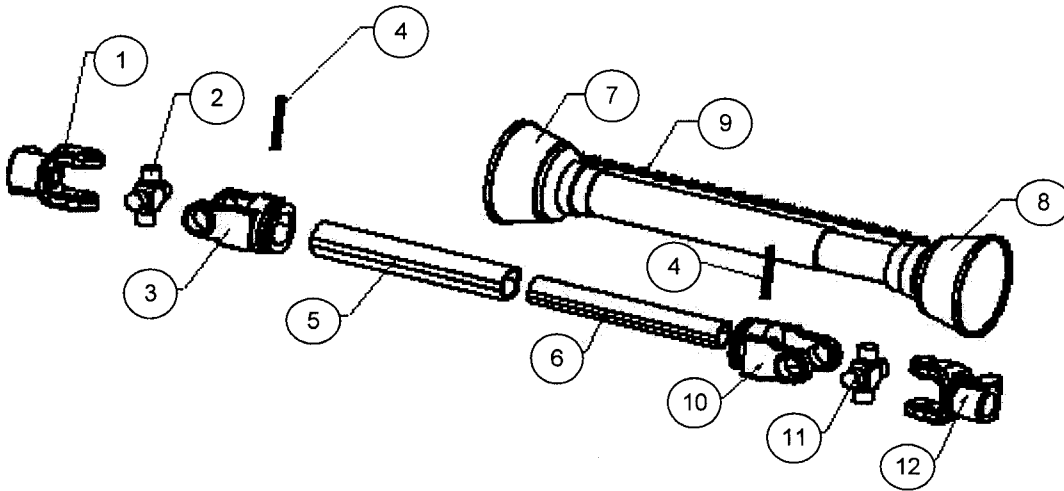
DEGANIA TRAILED SPRAYERS

IMOVILLI 163 PUMP

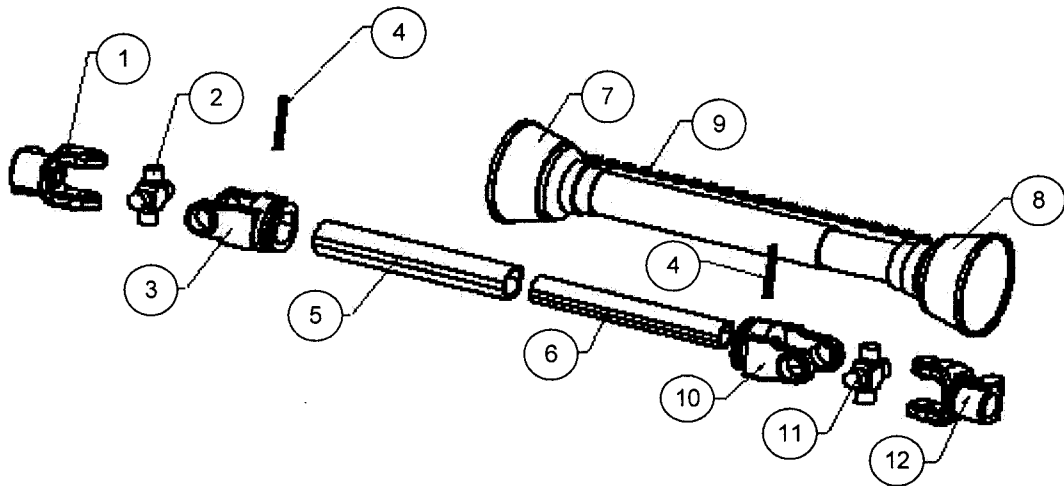
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	IM0027.015	Non stock - to order	2
2	IM0030.008	Accumulator cover	1
3	IM0032.082	Non stock - to order	1
4	IM0034.010	Retaining ring	2
5	IM0035.009	Non stock - to order	1
6	IM0039.004	Seeger ring	6
7	IM0039.020	Non stock - to order	2
8	IM0041.008	Shaft seal	2
9	IM0106.038	Non stock - to order	1
10	IM0118.008	Connecting rod	3
11	IM0210.031	Non stock - to order	1
12	IM0202.008	Air diaphragm	1
12	IM0202.011	Air diaphragm - D70/105	1
13	IM0207.004	Non stock - to order	3
14	IM0248.009	Non stock - to order	1
15	IM0.248.016	Non stock - to order	1
16	IM0249.016	Non stock - to order	2
17	IM0303.032	Non stock - to order	1
18	IM0321.003	Non stock - to order	6
19	IM0512.008	Non stock - to order	3
20	IM0603.030	Non stock - to order	1
21	IM0604.005	Non stock - to order	6
22	IM0609.022	Fly nut	1
23	IM0609.028	Non stock - to order	1
24	IM0627.017	O - ring	1
25	IM0627.035	O - ring	1
26	IM0627.059	Non stock - to order	1
27	IM0627.074	O - ring	1
28	IM0627.092	O - ring	1
29	IM0627.093	O - ring	6
30	IM0904.001	Oil fill diaphragm	1
31	IM0904.009	Diaphragm	3
31	IM0904.019	Non stock - to order	3
32	IM1203.011	Piston	3
33	IM1205.022	Elbow	1
34	IM1205.033	Non stock - to order	1
35	IM1224.009	Bolt	3
36	IM1402.012	Retainer	3
37	IM1403.004	Non stock - to order	2
38	IM1403.007	Washer	8
39	IM1403.023	Non stock - to order	12
40	IM1503.016	Non stock - to order	1
41	IM1504.003	Conrod pin	3
42	IM1505.007	Non stock - to order	1
43	IM1603.014	Cyl. head	3
44	IM1606.004	Cap	1
45	IM1612.006	Suction manifold	1
46	IM1613.026	Manifold	1
47	IM1613.029	Manifold	1
48	IM1614.007	Manifold	3
49	IM1812.002	Air valve	1
50	IM1814.007	Non stock - to order	6
51	IM1814.041	Non stock - to order	12
52	IM1814.049	Non stock - to order	12
53	IM1815.011	Non stock - to order	6
54	IM1815.015	Non stock - to order	2
55	IM2010.036	Non stock - to order	1
55	IM2010.236	Non stock - to order	1
56	IM2013.018	Non stock - to order	6
57	IM2013.518	Valve assy	6

DEGANIA TRAILED SPRAYERS

PTO's



LS309 - SPLINE TO ROUND (TRACTOR TO ROUND BAR)



TS10773 - SPLINE TO SPLINE (PUMP TO GEARBOX)

DEGANIA TRAILED SPRAYERS

PTO's

✦ LS309

78401210CE11211 + FP400421035

ITEM NO.	PART NUMBER	B4 1.3CVJX35RK)PARTMASTE	QTY
1	BI0800401K35	END YOKE 35mm ROUND	1
2	BP41204	UNIVERSAL JOINT	1
3	BI08004021	TRIANGULAR TUBE YOKE	1
4		ROLL PIN	1
5	BI098814331000	OUTER TUBING	1
6	BI098813641000	INNER TUBING	1
7	BI083E04100	SAFETY GUARD	1
8	BI083E04100	SAFETY GUARD	1
9		SAFETY CHAIN	1
10	BI08004011	TRIANGULAR TUBE YOKE	1
11	BP41204	UNIVERSAL JOINT	1
12	BI0800403A60	QUICK RELEASE END YOKE	1

✦ Also used on spreaders

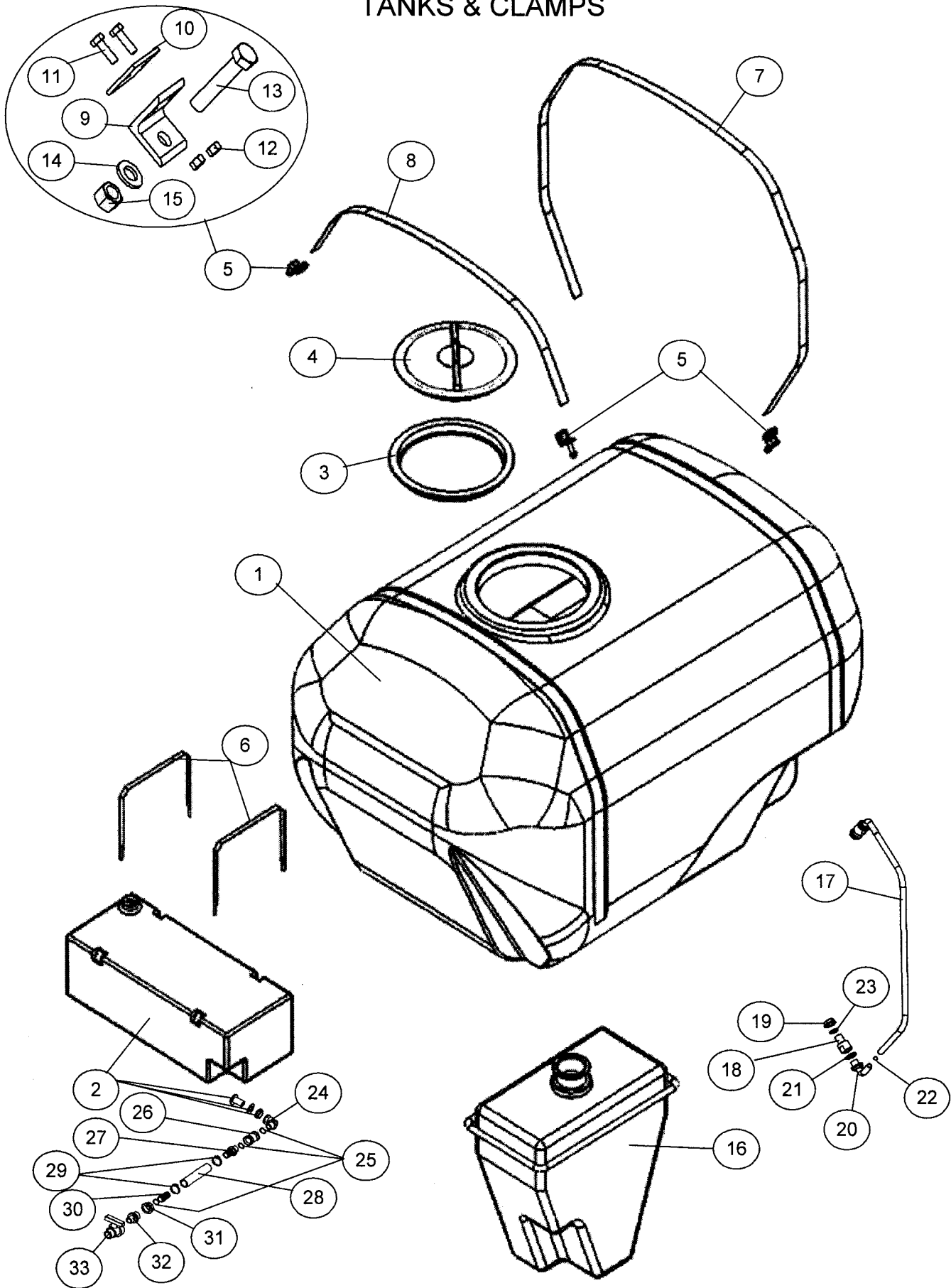
TS10773

LENGTH 2450

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	BI0800401K35	END YOKE 35mm ROUND	1
2	BP41204	UNIVERSAL JOINT	1
3	BI08004021	TRIANGULAR TUBE YOKE	1
4		ROLL PIN	1
5	BI098814331000	OUTER TUBING	1
6	BI098813641000	INNER TUBING	1
7	BI083E04100	SAFETY GUARD	1
8	BI083E04100	SAFETY GUARD	1
9		SAFETY CHAIN	1
10	BI08004011	TRIANGULAR TUBE YOKE	1
11	BP41204	UNIVERSAL JOINT	1
12	BI0800403A60	QUICK RELEASE END YOKE	1

DEGANIA TRAILED SPRAYERS

TANKS & CLAMPS



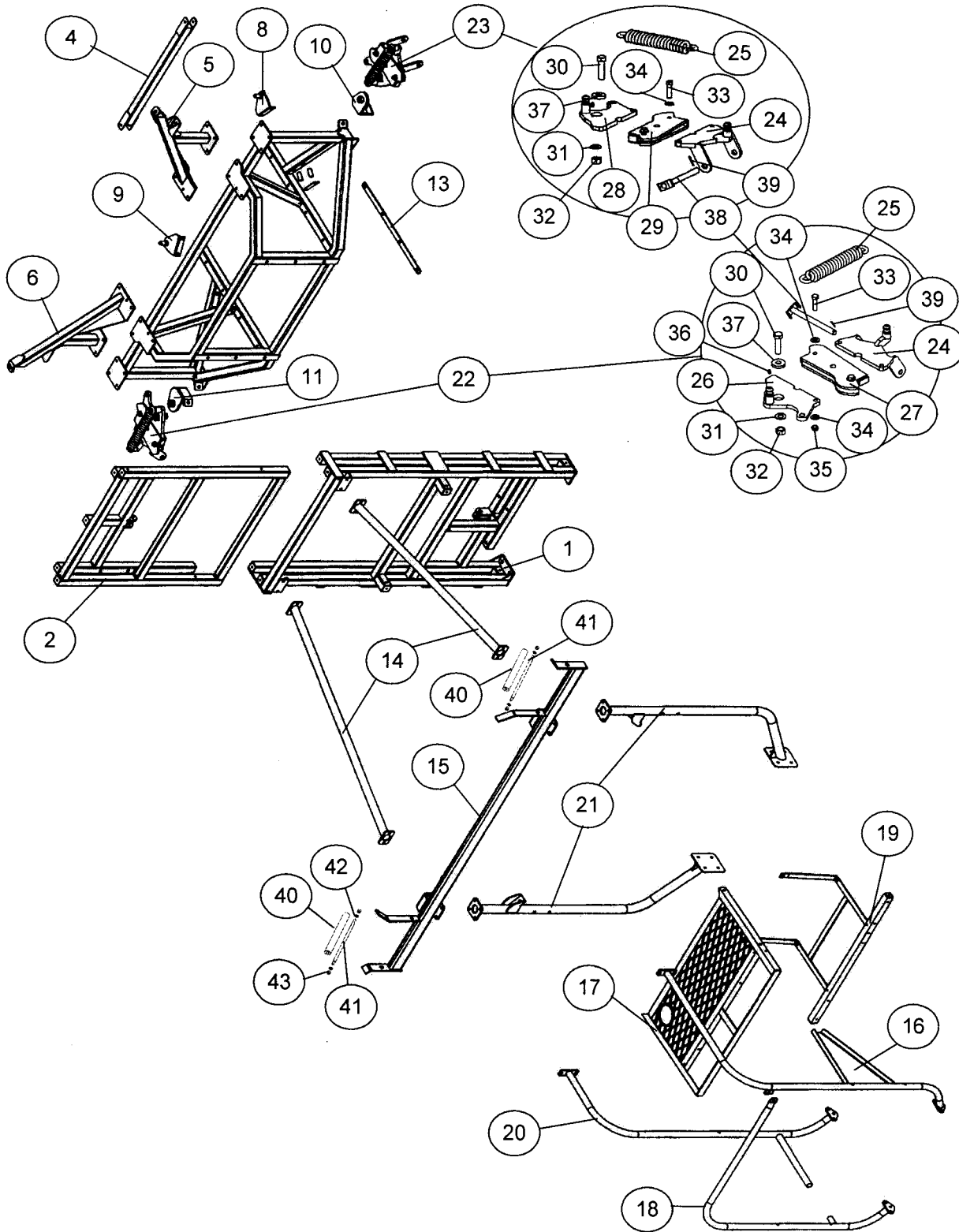
DEGANIA TRAILED SPRAYERS

TANKS & CLAMPS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	DE10810	2000Lit tank	1
2	DE10367	Clean water tank	1
3	AR350460	Neck ring flat surface	1
4	AR352060	Lid "S-L" - D455	1
5	TS10765	Strap clamp assy	4
6	TS10236	Tank strap	2
7	TS10769	Nylon strap - 2700mm	1
8	TS10767	Nylon strap - 1400mm	1
9	TS10763	Clamping brkt angle	4
10	TS10764	Clamping plate	4
11	M6X20GSS	Galv. Set screw	8
12	M6NY	Galv. Nyloc nut	8
13	M12X60GSS	Galv. Bolt	4
14	M12GFW	Galv. Flat washer	4
15	M12NY	Galv. Nyloc nut	4
16	UP001845DR	Polmac mixer - standard	1
17	SH110016/1	16MM Clear hose	1
18	TS10847	1/2" BSP Connection	2
19	AR2052020	Nut (Back) 1/2"	2
20	ARG40002	Elbow (Male) 1/2" D.15	2
21	AR1132215	Gasket	2
22	LU3500GP13	Gauge ball	1
23	XOR.000.121	O - ring	2
24	AR1262033	Elbow M/F 3/4"	1
25	ARG10041	Gasket	3
26	AR2302030	Threaded coupling - 3/4"	1
27	AR103325	Hosetail 1"	1
28	SH110033	Hose 25mm (170mm)	1
29	Q155	#24 Hose clamp	2
30	AR106422	Hose tail	1
31	AR2002040	Nut - X02.394.000/X00.055.24.2	1
32	AR2402043	Redu nipple 3/4" - 1"	1
33	3/4" SVE Valve	Tap	1

DEGANIA TRAILED SPRAYERS

UPPER STRUCTURE



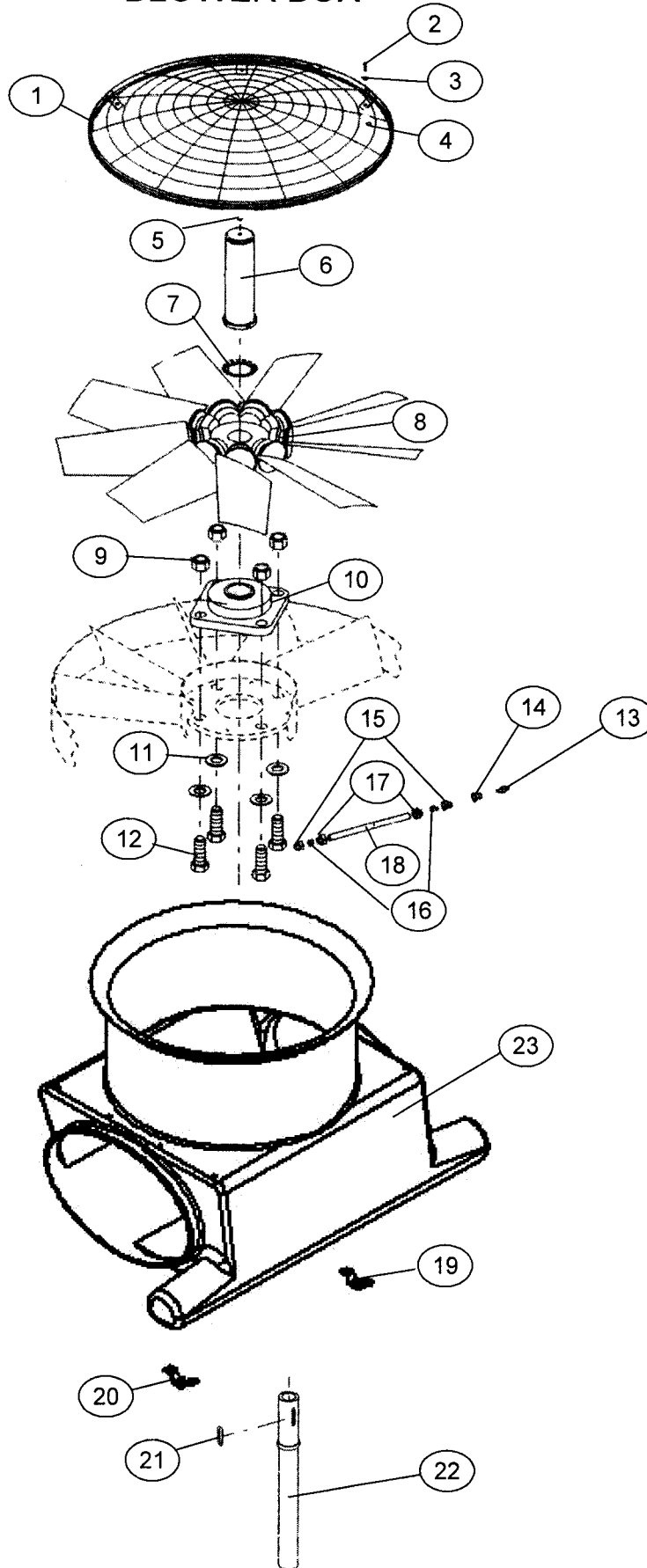
DEGANIA TRAILED SPRAYERS

UPPER STRUCTURE

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	DE10130	Bridge welded assy	1
2	DE10150	Carriage welded assy	1
3	TS10956	Blower frame assy	1
4	DE10175	Blower frame brkt	1
5	TS10149	Cable brkt - LH	1
6	TS10253	Cable brkt - RH	1
7	TS10940	Spacer bush	4
8	TS10937	Cylinder mntg brkt - LH	1
9	TS10942	Cylinder mntg brkt - RH	1
10	TS10954	Breakaway brkt - LH	1
11	TS10950	Breakaway brkt - RH	1
12	TS10941	Clamp plate	2
13	TS10749	Fixing strip - DE309M15BX12	2
14	TS10128	Connecting stay	2
15	TS10004	Boom transport rest	1
16	TS10010	Platform support - LH	1
17	TS10019	Platform assy	1
18	TS10015	Platform front support frame	1
19	TS10043	Tank support assy.	1
20	TS10215	Platform support - RH	1
21	TS10002	Front side pillar assy	2
22	DE309M15CDXR	Breakaway Right	1
23	DE309M15CDXL	Breakaway Left	1
24	DE309M15CDX03	Hinge	2
25	DE753008	Spring Ø12 x Ø52 x 291	2
26	DE309M15CDX01R	Hinge support - right	1
27	DE309M15CDX02R	Hinge breakaway - right	1
28	DE309M15CDX01L	Hinge support - left	1
29	DE309M15CDX02L	Hinge breakaway - left	1
30	M20X80G	Galv. Bolt	2
31	M20GFW	Galv. Flat washer	2
32	M20NY	Nyloc nut	2
33	M14X60G	Galv. Bolt	4
34	M14GFW	Galv. Flat washer	8
35	M14NY	Nyloc nut	4
36	1/8BSPSTR	Grease nipple	2
37	DE309M12CX05	Washer Ø20 x Ø50 x 10	2
38	TS10361	Pin Ø20 x 224 (DE309M12CX05)	2
39	M3.2X36SP	Split pin	2
40	TS10879	Nylon roller	2
41	TS10878	Boom roller shaft	2
42	M16GFW	Galv. Flat washer	2
43	M16NY	Nyloc nut	2

DEGANIA TRAILED SPRAYERS

BLOWER BOX



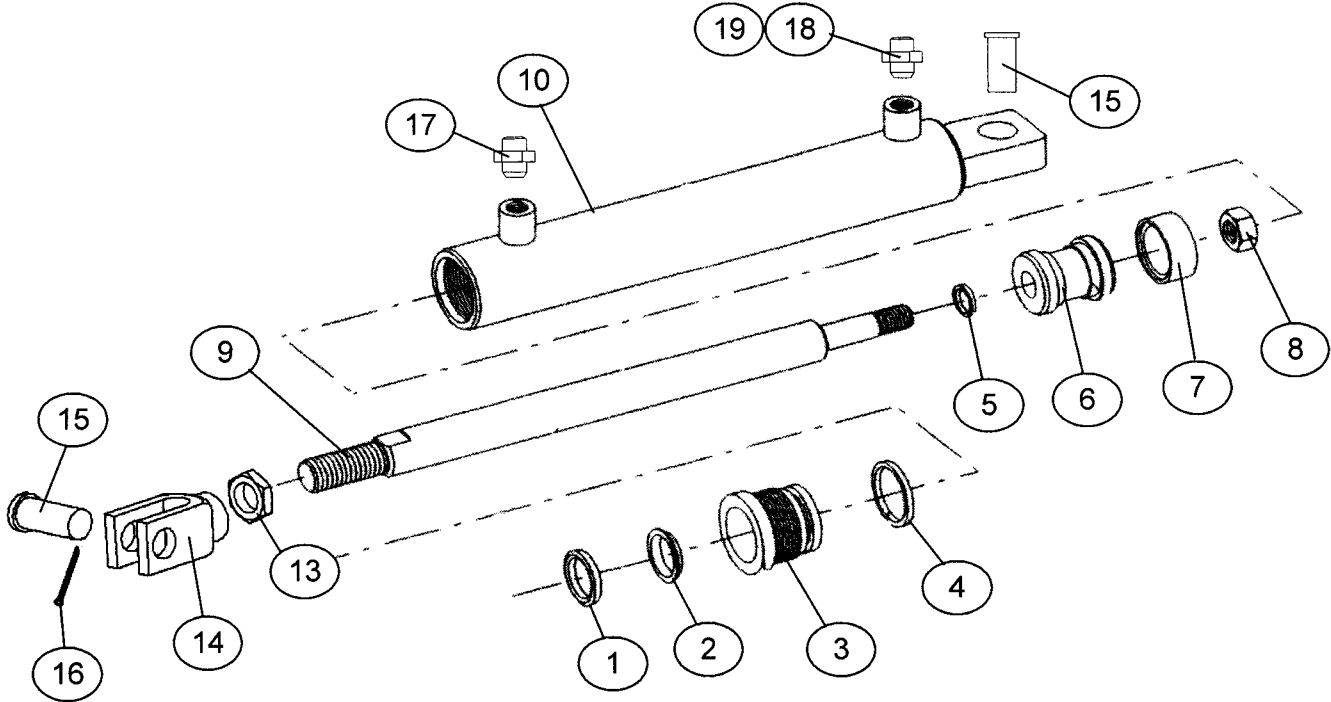
DEGANIA TRAILED SPRAYERS

BLOWER BOX

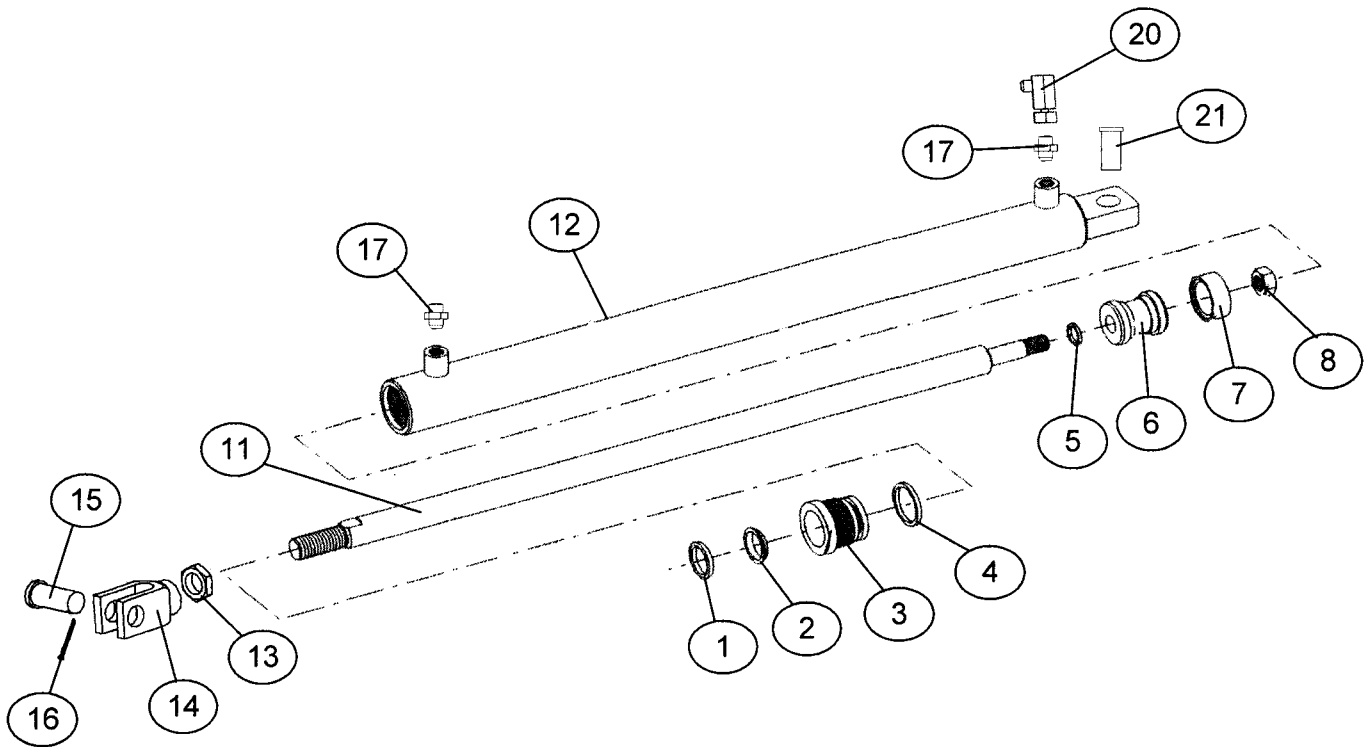
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	DE30819	Fan guard	1
2	M6X25GSS	Galv. Bolt	6
3	M6GFW	Galv. Flat washer	6
4	M6NY	Nyloc nut	6
5	DE661074	M8 Grease nipple	1
6	DE309M12GX11	Shaft cover	1
7	DE607020	Locking washer	1
8	DE30821	Fan	1
9	M22NY	Nyloc nut	4
10	DE602012	Sq flange brng RCSO - 50	1
11	M22GFW	Galv. Flat washer	8
12	M22X60GSS	Galv. Bolt	4
13	DE661032	Grease fitting	1
14	DE724216	Coupling	1
15	DE662012	Connector	2
16	DE662008	Insert	2
17	DE662006	Nut 7/16"	2
18	DE662004	Hose 1/4" x 390	1
19	DE989XM15X6307	Bracket holder	1
20	DE989XM15X6305	Bracket holder	1
21	DE863013	Key 8 x 8 x 44.5	1
22	DE309M12EX03	Slide coupling	1
23	DE309M15APPX16	Blower case	1

DEGANIA TRAILED SPRAYERS

CYLINDERS



DE506004 - ARM CONTROL PISTON



DE506014 - HYD. PISTON 50 X 25 X 550

DEGANIA TRAILED SPRAYERS

CYLINDERS

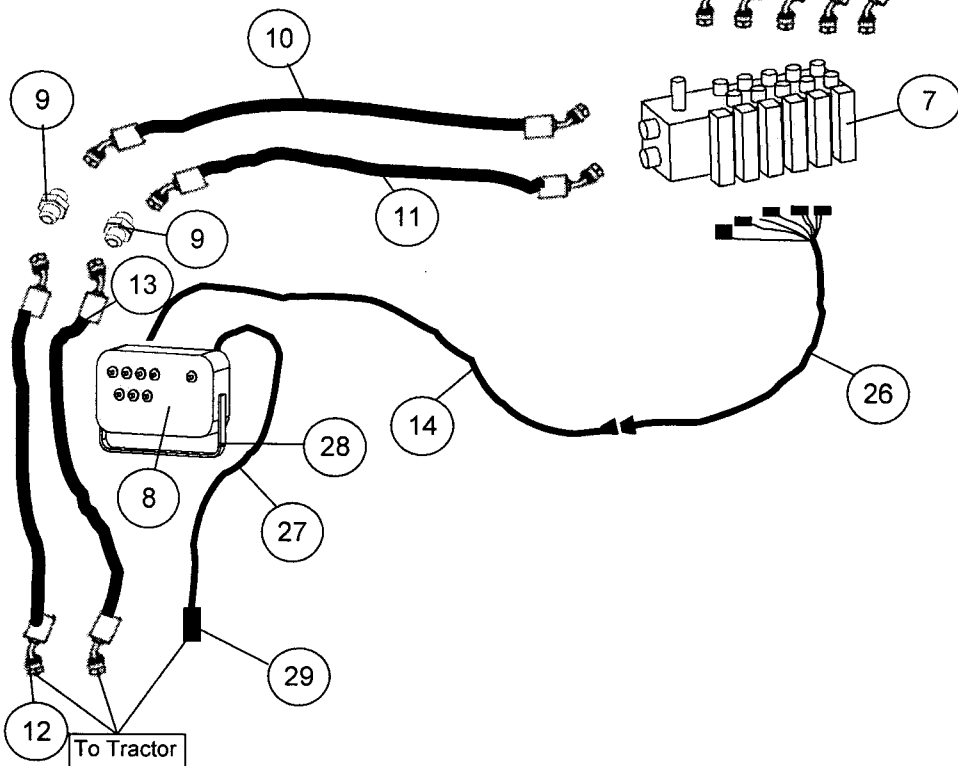
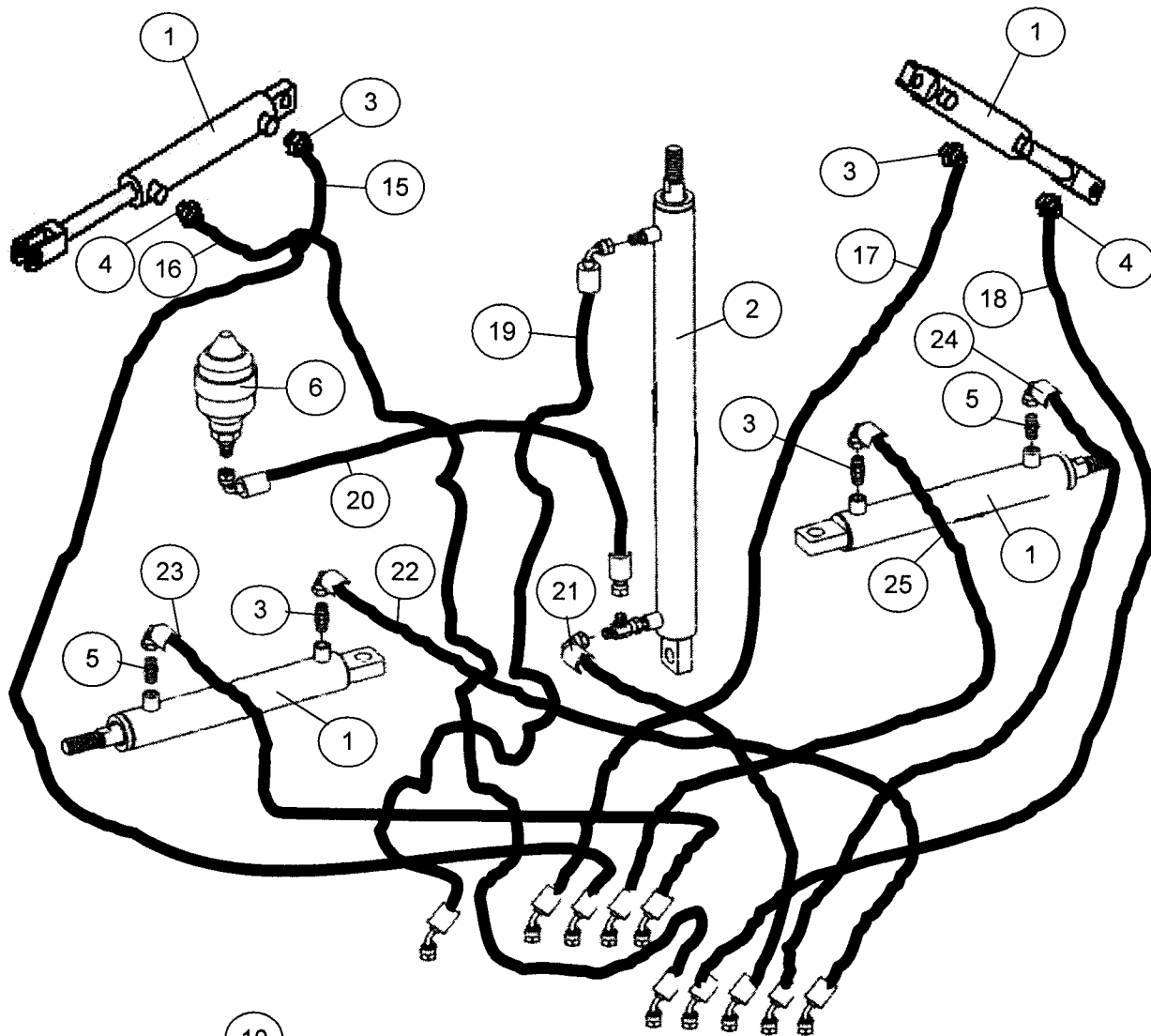
ITEM NO.	PART NUMBER	DESCRIPTION	QTY	
1	DE970301	Dust scraper	1	
2	DE970302	Seal	1	
3	DE970303	Head bush	1	
4	DE970304	O - Ring (Polipac 219)	1	
5	DE970306	O - Ring (Polipac 616)	1	
6	DE970307	Piston Ø40	1	
7	DE970308	Seam TPM 157118	1	
8	DE828014	Lock nut M14	1	
9	DE970305L	Piston rod Ø25	1	
10	DE970305L	Cylinder Ø40 x 50	1	
11	DE970305S	Piston rod Ø25	1	
12	DE970309S	Cylinder Ø40 x 50	1	
13	DE506502	Nut M20 x 1.5	1	
14	DE506501	Piston end rod	1	
15	DE506503	Piston end rod pin	1	
16	DE843004	Ø3.5 x 40 split pin	1	
17	DE513032	Adaptor	1	
◆	18	DE512002	Orifice Ø0.5	1
●	19	DE512004	Orifice Ø0.8	1
	20	DE513222	T - Fitting 1/4" with swivel	1
	21	DE506506	Piston lower pin	1

◆ To be used on folding cylinders only (Around machine)

● To be used on lifting cylinders only (Up & down)

DEGANIA TRAILED SPRAYERS

HYDRAULIC LAYOUT



DEGANIA TRAILED SPRAYERS

HYDRAULIC LAYOUT

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	DE506004	Piston Ø25 x 40	4
2	DE506014	Hyd. Piston Ø50 x Ø25 x 550	1
3	DE513032	Adaptor	4
4	DE512004	Orifice Ø 0.8	2
5	DE512002	Orifice Ø 0.5	2
6	DEITLTX010	Accumulator	1
7	ARP15110558	Electro valve unit	1
8	AR4667042	Control with standard support	1
9	GSV15L	Connector	2
10	TS10382/15	Hyd. Hose 1/2" x 2850	1
11	TS10382/15	Hyd. Hose 1/2" x 2850	1
12	TS10382/16	Hyd. Hose 1/2" x 2720	1
13	TS10382/16	Hyd. Hose 1/2" x 2720	1
14	AR466700090	Control ext. cable - 3m	1
15	TS10382/5	Hyd. Hose 1/4" x 3050	1
16	TS10382/4	Hyd. Hose 1/4" x 3365	1
17	TS10382/9	Hyd. Hose 1/4" x 3865	1
18	TS10382/8	Hyd. Hose 1/4" x 3905	1
19	TS10382/12	Hyd. Hose 1/4" x 1405	1
20	TS10382/14	Hyd. Hose 1/4" x 450	1
21	TS10382/13	Hyd. Hose 1/4" x 810	1
22	TS10382/7	Hyd. Hose 1/4" x 2080	1
23	TS10382/6	Hyd. Hose 1/4" x 2245	1
24	TS10382/11	Hyd. Hose 1/4" x 2485	1
25	TS10382/10	Hyd. Hose 1/4" x 2880	1
26	AR4667040110	Extension cable - 5m	1
27	AR466550080	Power cable	1
28	AR466550060	Bracket	1
29	AR466001	Kit socket & plug - 3pole	1