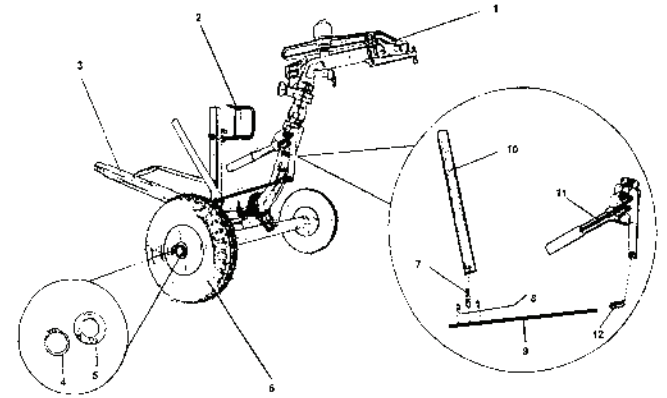
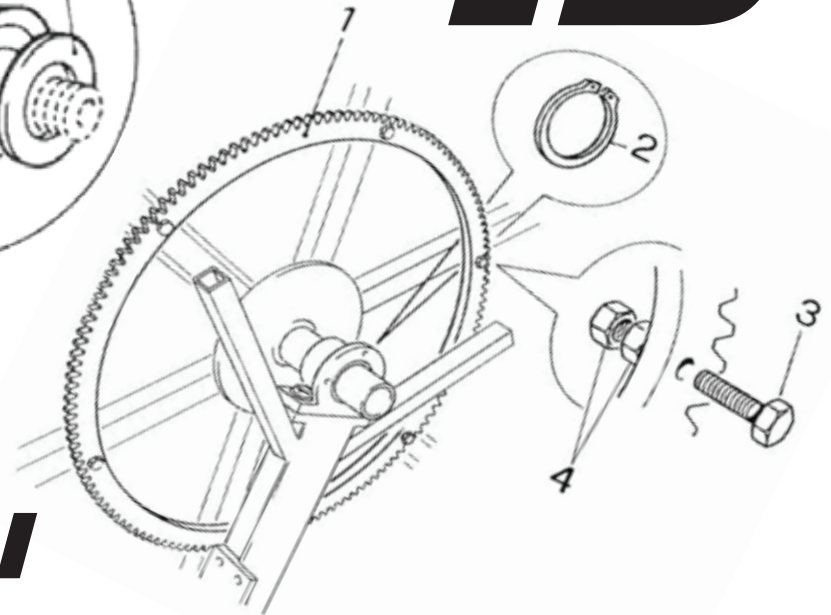
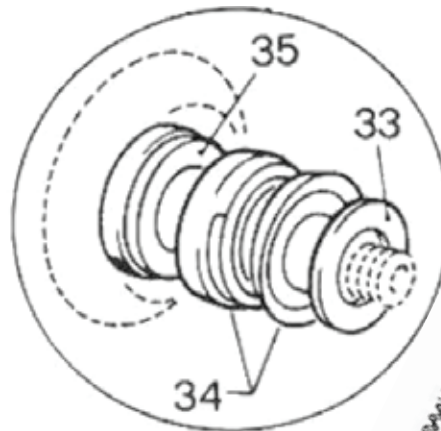
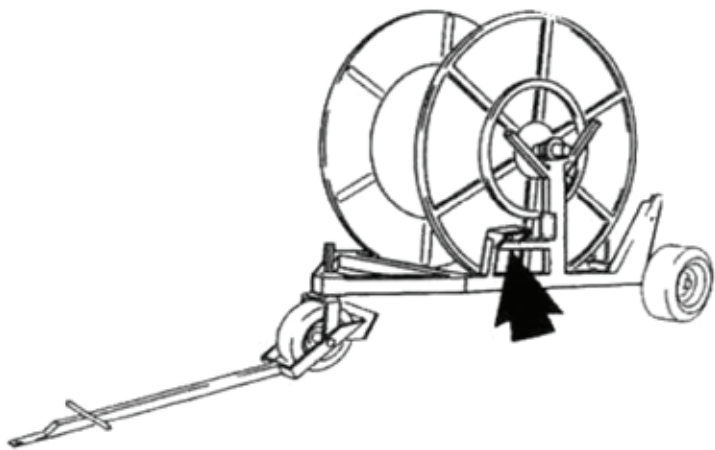


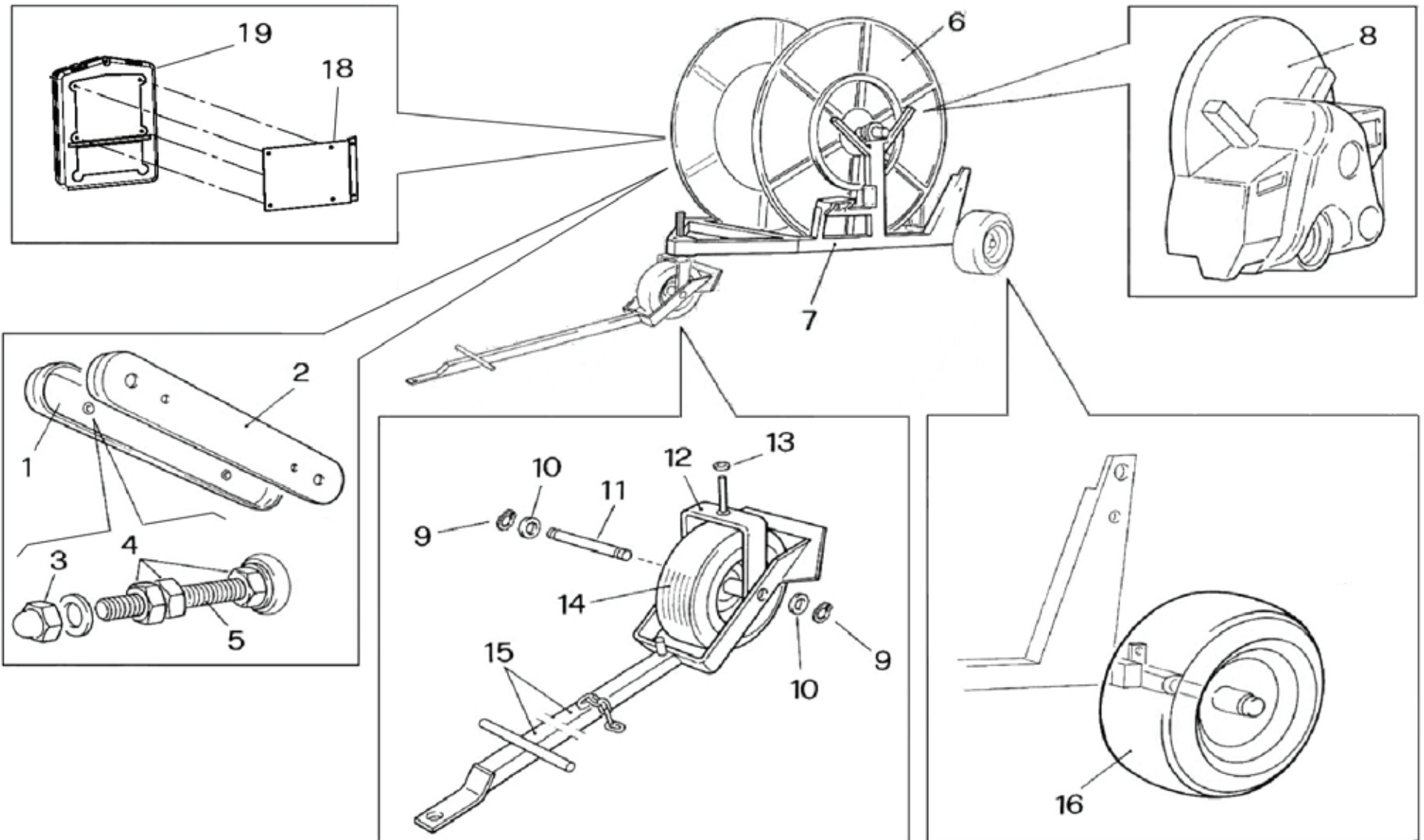
# MICRO RAIN



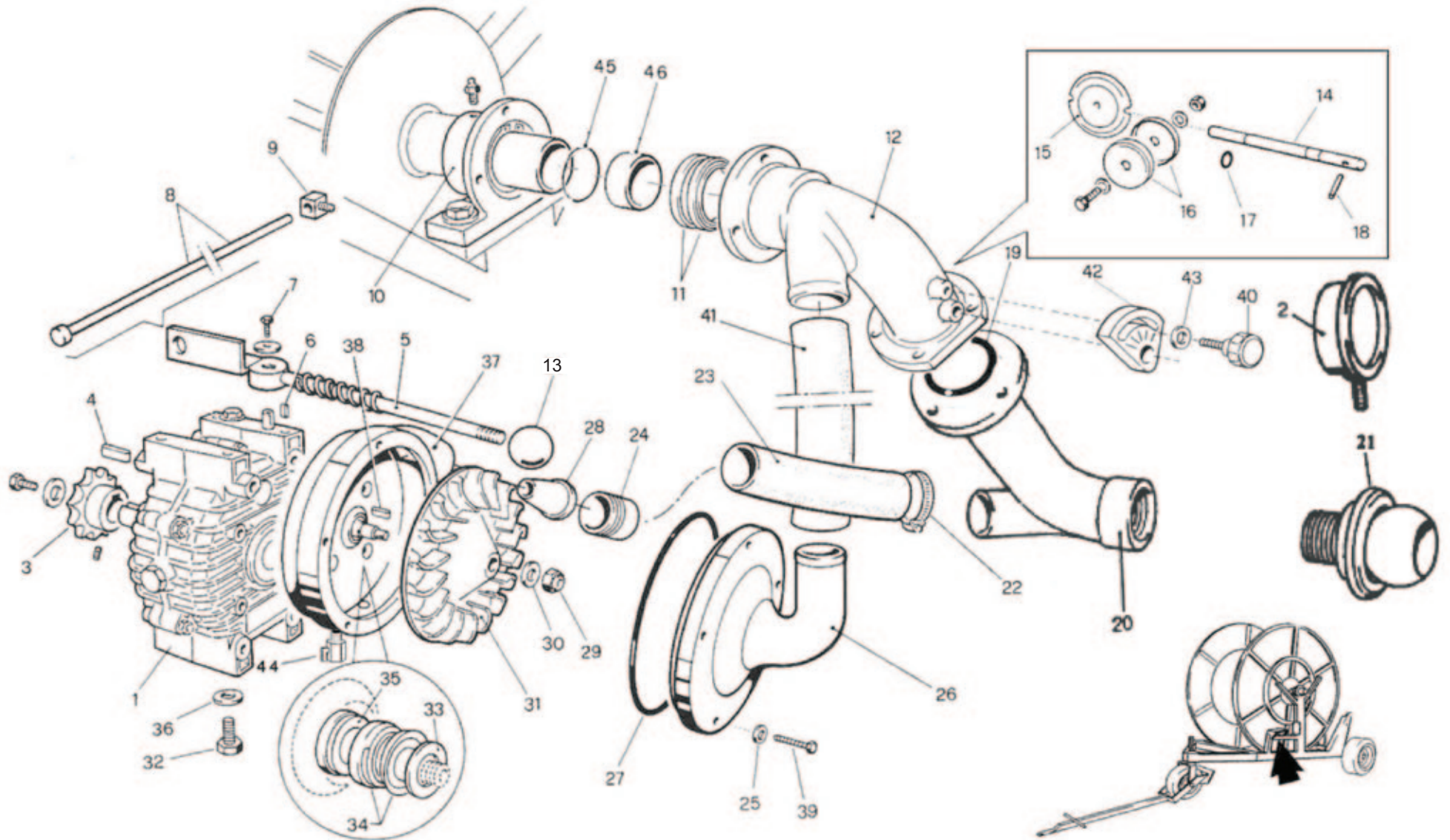
# 43



**Spare Parts Manual**  
March 1, 2013



Ref.	Part#	Description	Qty.
1	88042112/8	Outer Chain Cover	1
2	88042113/8	Inner Chain Cover	1
3	11126	Cap Nut	2
4	11110	Nut	2
5	10290	Bolt	2
6	20042100	Complete Drum	1
7	15042250	Chassis	1
8	70042130/8	Red Turbin Cover	1
9	11603	Snap Ring	2
10	11226	Washer	2
11	15052110Z	Pin, Front Wheel Assy.	1
12	15042150	Front Fork Support	1
13	11215	Washer	1
14	00405	Front Wheel Assy.	1
15	15053100	Front Tongue Assy.	1
16	0038011	Rear Wheel Assy.	2
18	25420105Z	Manual Box Bracket	1
19	25420103	Manual Box	1
*Not Shown	60300	Safety Decal Kit	1
*Not Shown	20041102/1	Drum Shaft, Weld-On, Levelwind Side	1
*Not Shown	00861	Turbin Cover Bolts	3

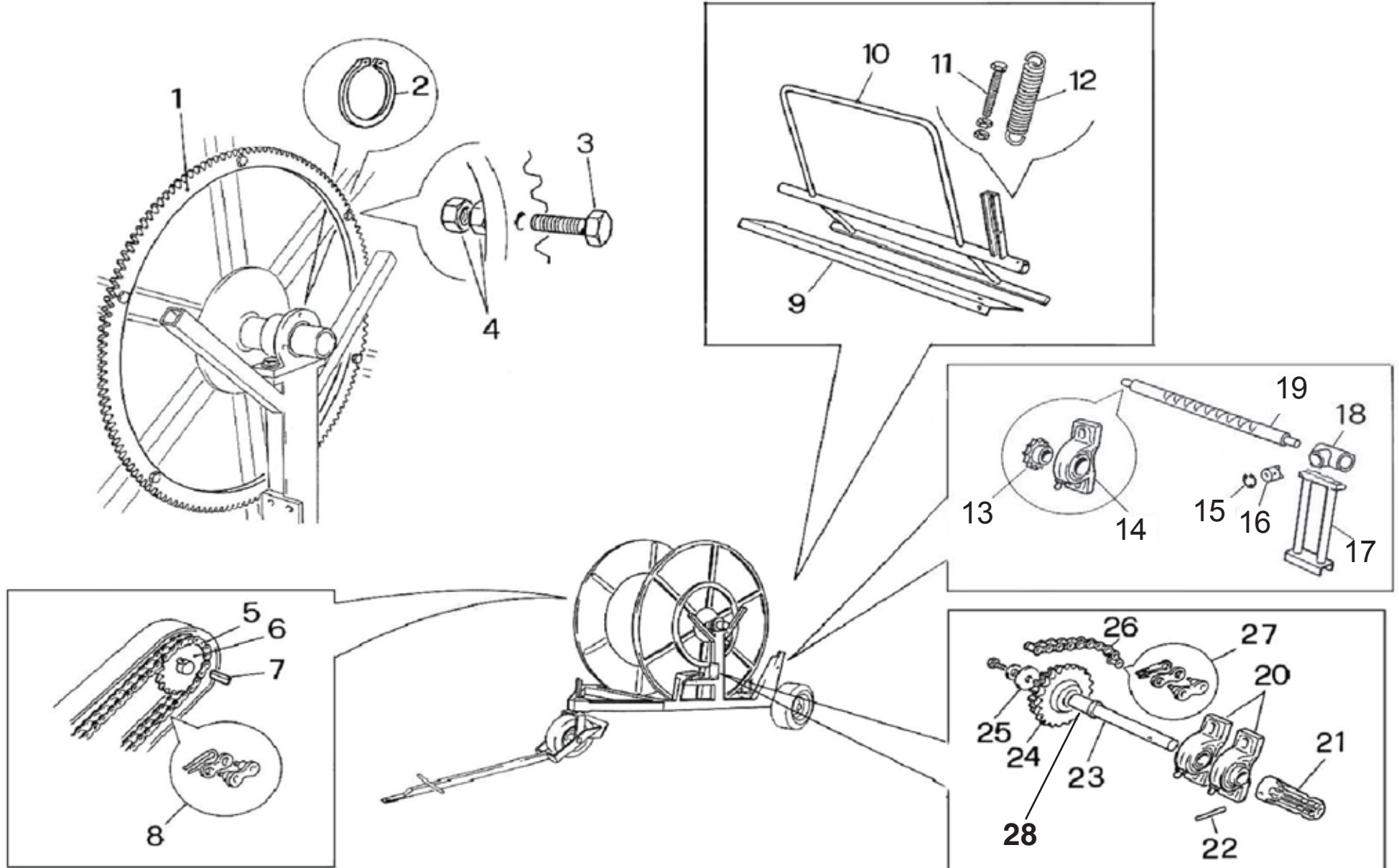


Ref.	Part#	Description	Qty.
1	02107/2	Gearbox	1
2	0035K	Pressure Gauge	1
3	41482	Sprocket-16 Tooth (High Speed)/11 Tooth (Standard Speed)	1
4	11501	Key	1
5	15400070Z	Gearbox Shift Lever	1
6	11508	Key	1
7	10146	Bolt	1
8	0025K	Disengage Rod	1
9	99050130Z	Adjustable Stop, Shut-off Rod	1
10	19050101	Cast Iron Drum Mount	1
11	31023	Drum Inlet Seal	2
12	50042100	Drum Inlet Elbow	1
13	12601	Round Knob	1
14	99008259	Turbine Diverter Shaft	1
15	99008321	Turbine Diverter Disk	1
16	05340	Diverter Disk Cover	2
17	30056	O-Ring	2
18	15906	Roll Pin	1
19	30088	O-Ring	1
20	50042110	Lower Inlet Elbow	1
21	51042100Z	Male Bauer Inlet Fitting	1
22	14336	Hose Clamp	4
23	30815	Turbine Inlet Hose (48 mm)	2



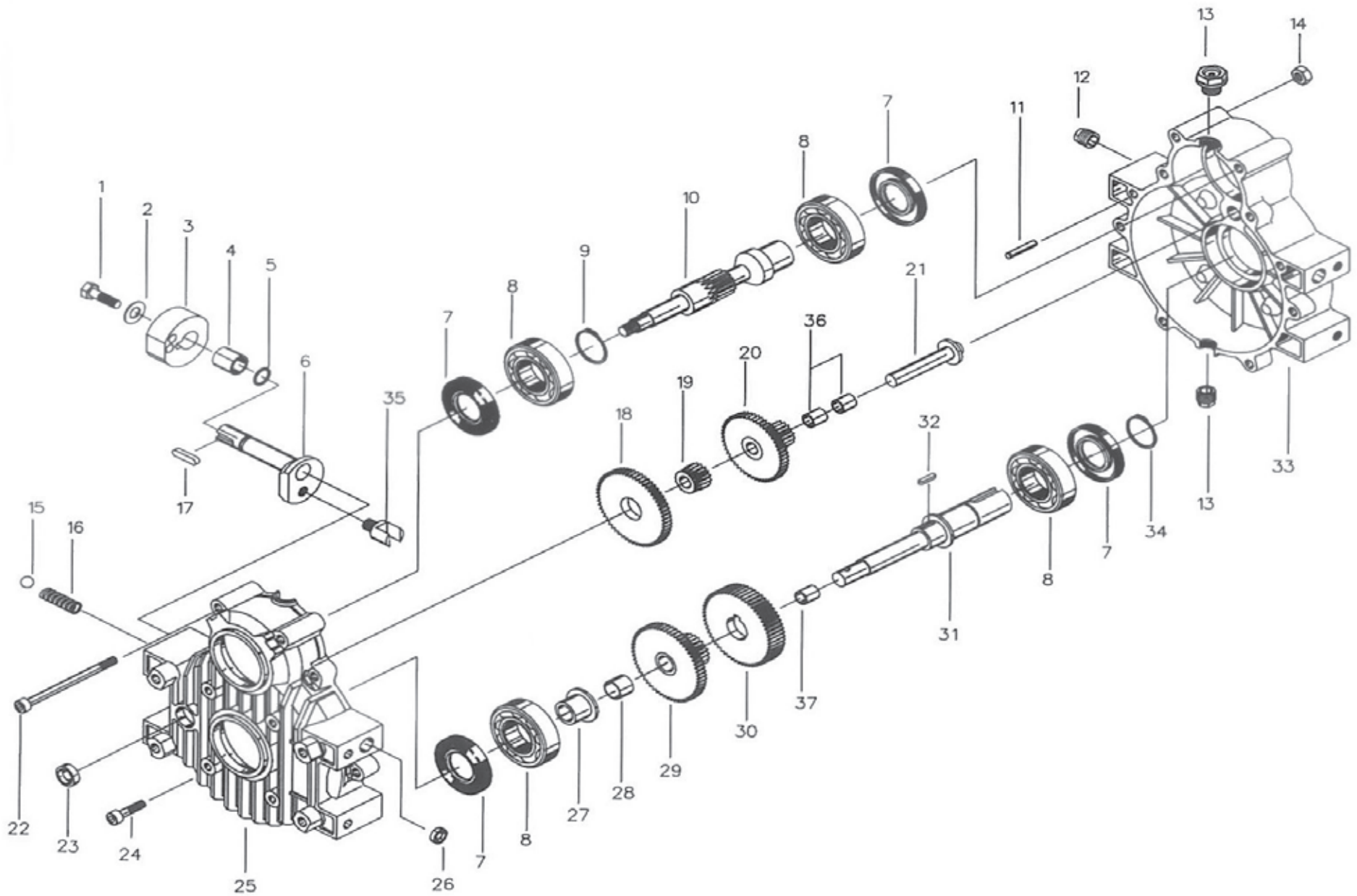
26	99008242	Turbine Cover	1
27	30069	O-Ring	1
28	93312	Turbine Nozzle #12	1
29	11110	10 mm Lock Nut	1
30	11210	Turbine Shaft Washer	1
31	99008233	Turbine Impeller	1
32	10127	Bolt	4
33	11213	Shim	1
34	01007	Seal Rotary	1
35	01107	Seal Seat	1
36	11211	Washer	4
37	99008241	Turbine Housing	1
38	11508	Key	1
39	10194	Bolt	5
40	00867	Turbine Diverter Knob	1
41	99022928	Turbine Discharge Hose (48 mm)	1
42	35030	Plastic Diverter Opener	1
43	11247	Washer	1
44	0008K	Turbine Drain	1
**Not Shown	99022047Z	Female Ferrari Fitting & Hose Barb (Supply Hose)	1
**Not Shown	31606	Ferrari O-Ring (Supply Hose)	1
45	30021	O-Ring	1
46	20041107	Sleeve, Inlet Shaft	1



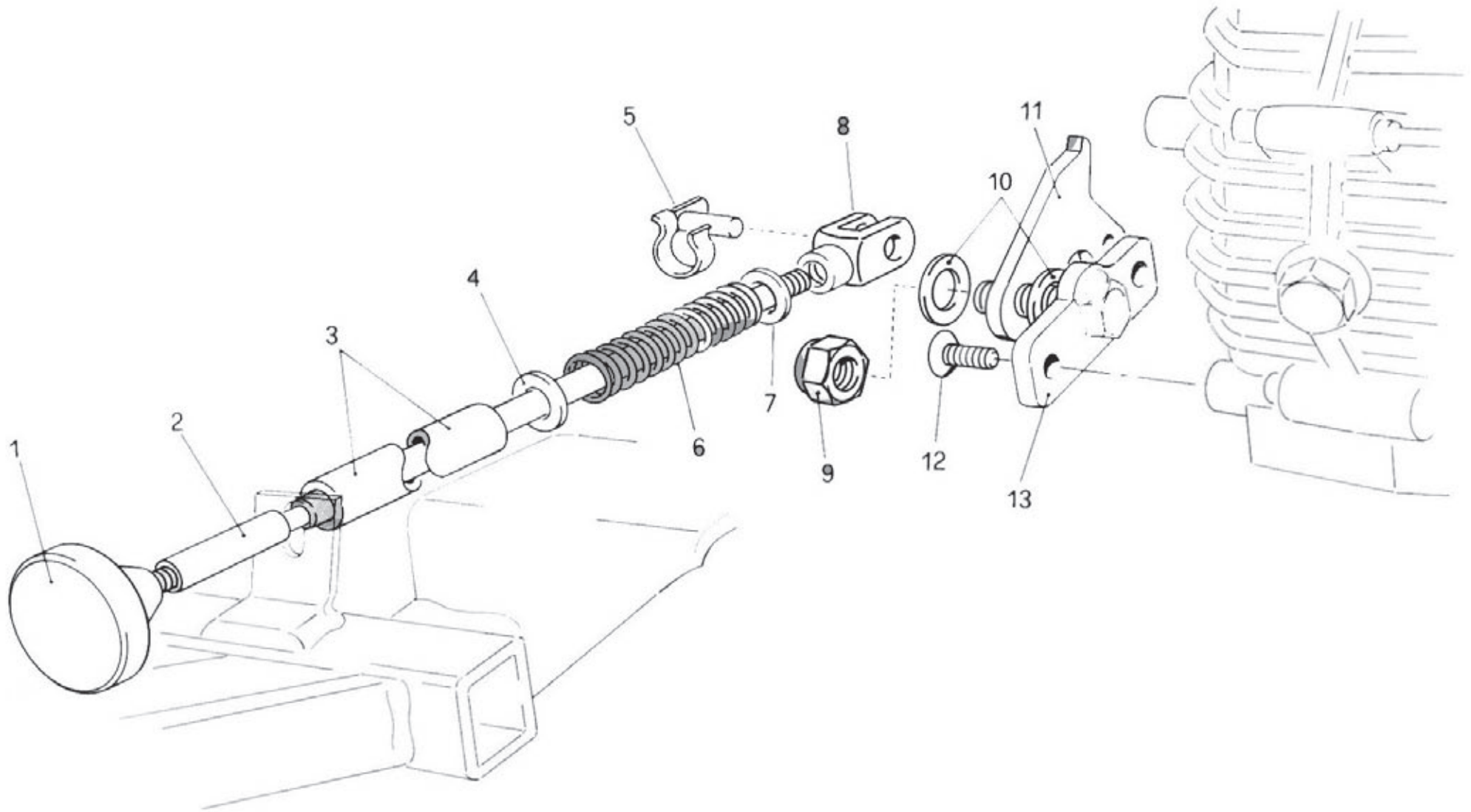




Ref.	Part#	Description	Qty.
1	20042110	Large Drum Gear	1
2	11618	Snap Ring	1
3	10136	Bolt	6
4	11110	Nut	18
5	40404	Chain 8B	1.4mt.
6	41434	Sprocket-15 Tooth, MR 43	1
7	11503	Key	1
8	40704	Master Link 8B	1
9	31052101/1Z	Back Protection Plate	1
10	26052100	Rear Shut Off Bar	1
11	10123	Bolt	1
12	13701Z	Spring	1
13	41456	Sprocket-13 Tooth, MR 43	1
14	41804	Pillow Block Bearing	1
15	11730	Snap Ring	1
16	99100020	Scroll Bar Knife	1
17	45042150	Guide-Levelwind MR43	1
18	99100035A	Yoke-Levelwind Bracket	1
19	99040239	Levelwind Bar	1
20	41804	Pillow Block Bearing	2
21	GI1042Z	Splined PTO Shaft-540	1
22	15907	Roll Pin	1
23	15042003	Drive Gear Shaft	1
24	15042074Z - 22 Tooth	Drive Gear	1
25	11231	Washer	1
26	40402	Chain 10B	.4 mt.
27	40701	Master Link	1
28	11501	Key	1
*Not Shown	41804	Pillow Block Bearing (Off Inlet Side)	1



Ref.	Part#	Description	Qty.
1	10108	Bolt	1
2	11238	Washer	1
3	15041064Z	Shifting Block	1
4	CAR3P16	Spacer	1
5	GI560	O-Ring	1
6	CAR3P10	Shifting Pin	1
7	CAR3P12	Oil Seal	4
8	40003	Bearing	4
9	11637	Shim	1
10	CAR3P02	Input Shaft	1
11	15915	Pin	2
12	13104	Plug	1
13	13111	Top Plug	2
14	11108	Nut	8
15	GI1068	Ball 5/16"	1
16	GI1086	Spring	1
17	11508	Key	1
18	CAR3P03	Engaging Gear	1
19	CAR3P04	Small Gear	1
20	CAR3P08	Gear	1
21	CAR3P07	Shaft	1
22	CAR3P22	Housing Bolt	2
23	10433	Large Seal	1
24	10434	Bolt	6
25	CAR3P13	Input Side Housing	1
26	CAR3P26	Small Seal	1
27	CAR3P14	Bushing	1
28	CAR3P15	Spacer	1
29	CAR3P05	Gear	1
30	CAR3P09	Gear	1
31	CAR3P01	Output Shaft	1
32	11519	Key	1
33	CAR3P11	Output Side Housing	1
34	11603	Snap Ring	1
35	CAR3P10-B	Rotating Fork	1
36	CAR3P17	Bushing	2
37	CAR3P18	Bushing	1



<b>Ref.</b>	<b>Part #</b>	<b>Description</b>	<b>Qty</b>
1	00869	Knob	1
2	15053206Z	Anti-Reverse Rod	1
3	15043204	Spacer	1
4	11210	Washer	1
5	13007	Clip	1
6	15043203Z	Spring	1
7	11210	Washer	1
8	13506	Yoke	1
9	14213	Nut	1
10	11214	Washer	4
11	15043201Z	Anti-Reverse Pawl	1
12	10442	Screw	2
13	15042230Z	Anti-Reverse Bracket	1

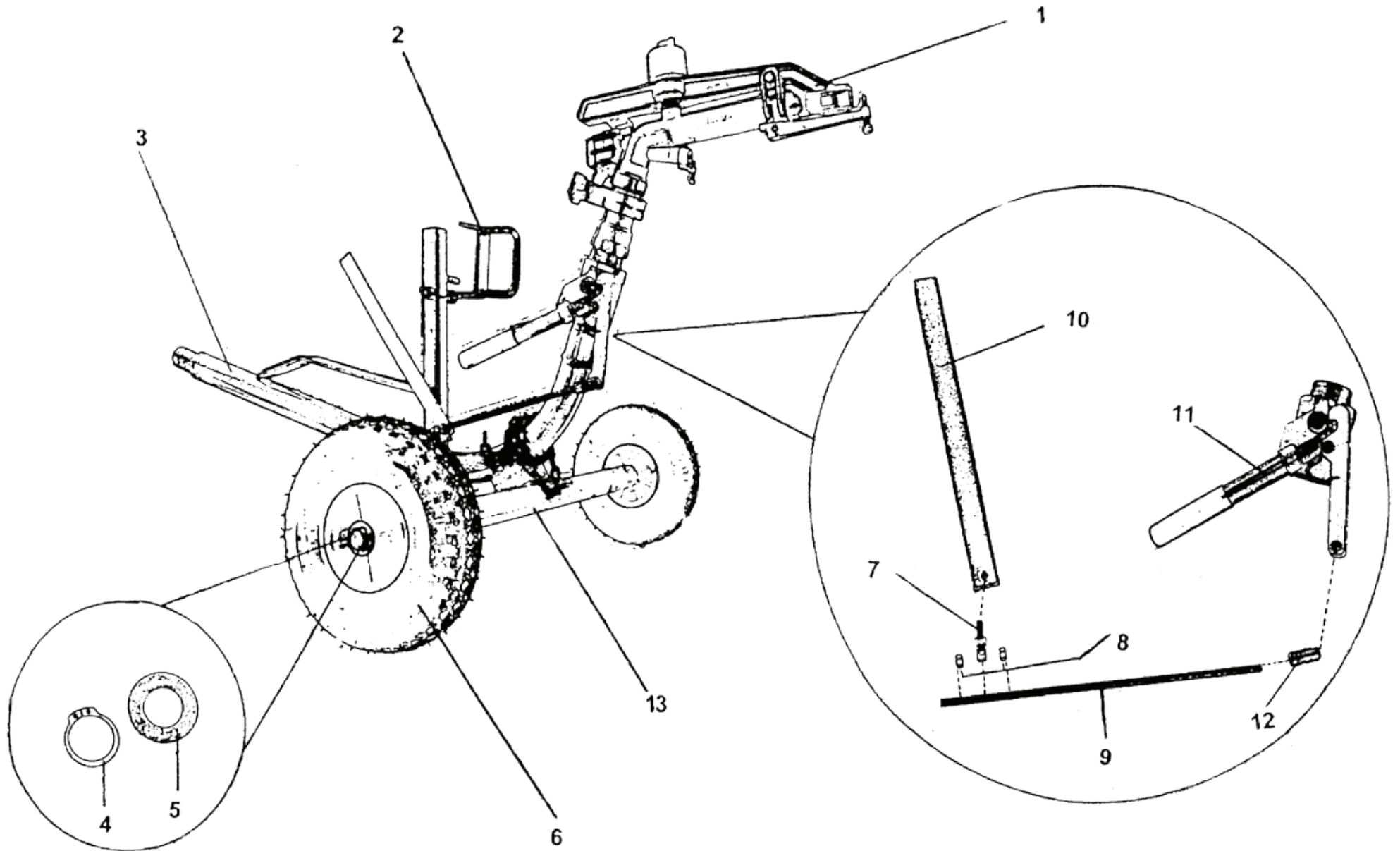




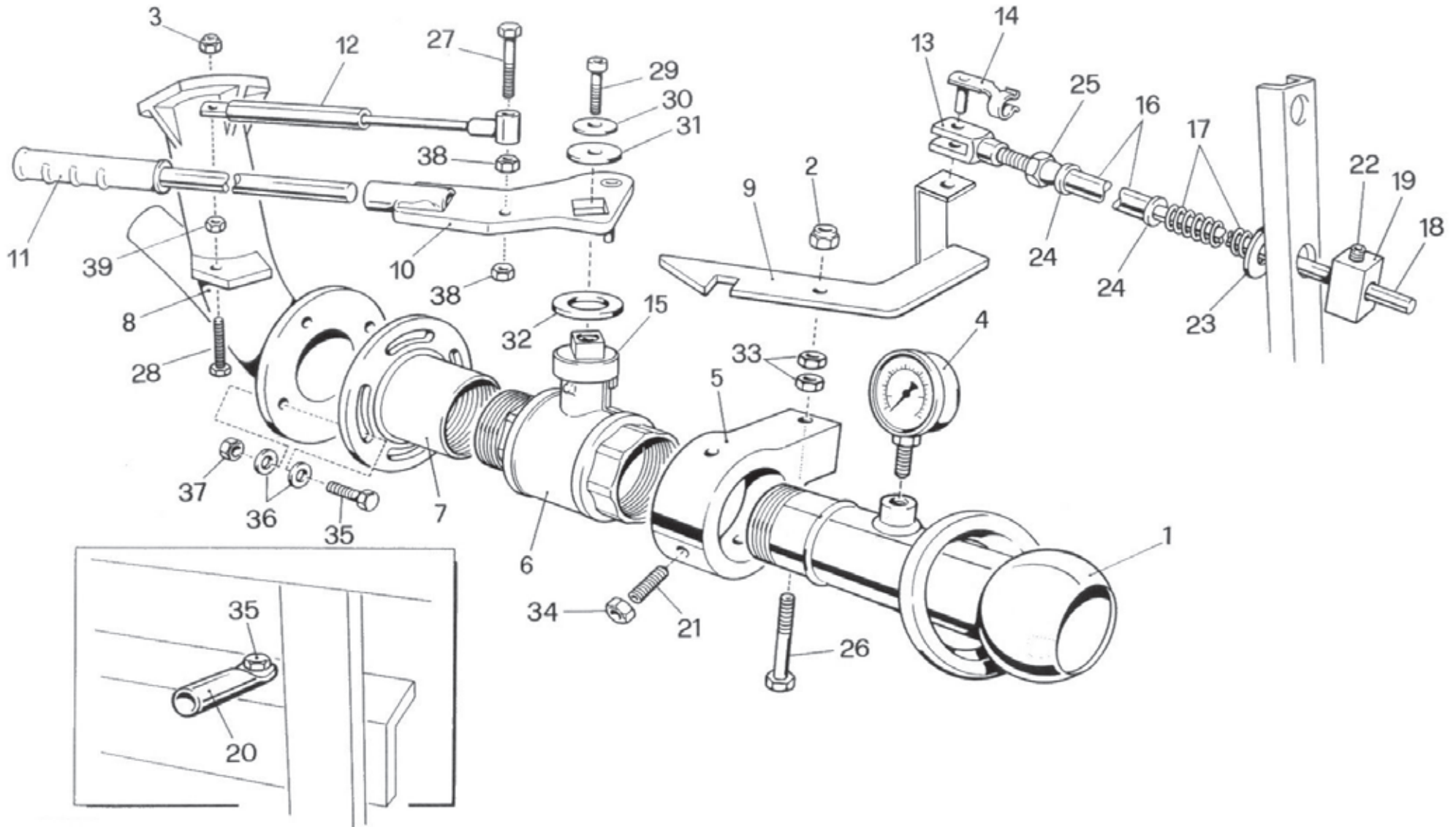
Ref.	Part #	Description	Qty.
1	0041K	Battery	1
2	0042K	Battery Bracket	1
2a	0040K	Battery Box w/ Lid	
2b	0039K	Battery Box Strap	1
3	0001K	2" x 90 Cam-Lock	1
4	0043K	2" Cross-over Pipe	1
5	0035K	Pressure Gauge	1
6	0022K	2" x 90 Cam-Lock w/ 2" NPT	1
7	200x700GN	2" x 7" Nipple	1
8	AL-A200	2" Male Cam-Lock	1
9	BUNA200	2" Buna Gasket	2
10	0006K	Flow Switch	1
11	BLK200	2" Pressure Hose	1
12	MIK 55-59	2" Clamp	4
13	0008K	Drain Valve	1
14	0009K	Thermal Relief Valve	1
15	0010K	1/4" Brass Tee	1
16	176230	3/8" Lock Washer	4
17	125797	3/8" x 1- Bolt	4
18	225963	15/16" x 7/8"-Bolt	4
19	176220	5/16" Spring Washer	8
20	51042100Z	Male inlet Fitting	1
21	437837	Pump Housing-KID Rotation	1

22	433142	Impeller-Pull Start	1
	437838	Impeller-Electric Start	1
23	198996	Housing Gasket	1
24	240344	Mechanical Seal-Pull Start	1
	437838	Mechanical Seal- Electric Start	1
25	438380	Shaft Sleeve-Pull Start	1
	400106	Shaft Sleeve-Electric Start	1
26	437794	Adapter Housing	1
27	191141	Flinger	1
28	0036K	1/4 Fuel Line	1
29	0037K	Fuel Filter	1
30	0011K	Fuel Tank Cap	1
31	0012K	Fuel Tank Straps	2
32	0013K	Fuel Tank-7 Gallon	1
33	0014K	Fuel Tank Stand-43	1
34	30516	Nylon End Plug	1
35	0045K	Engine Bracket-5HP	1
36	0046K	Bottom Strap	1
37	0026K	Engine-Honda 5HP-Pull Start	1
	0027K	Engine-Honda 5HP-Electric Start	1
38	0061K	Override Switch	1
*Not Shown	414790	Impeller Washer	1
*Not Shown	432198	Impeller Key	1



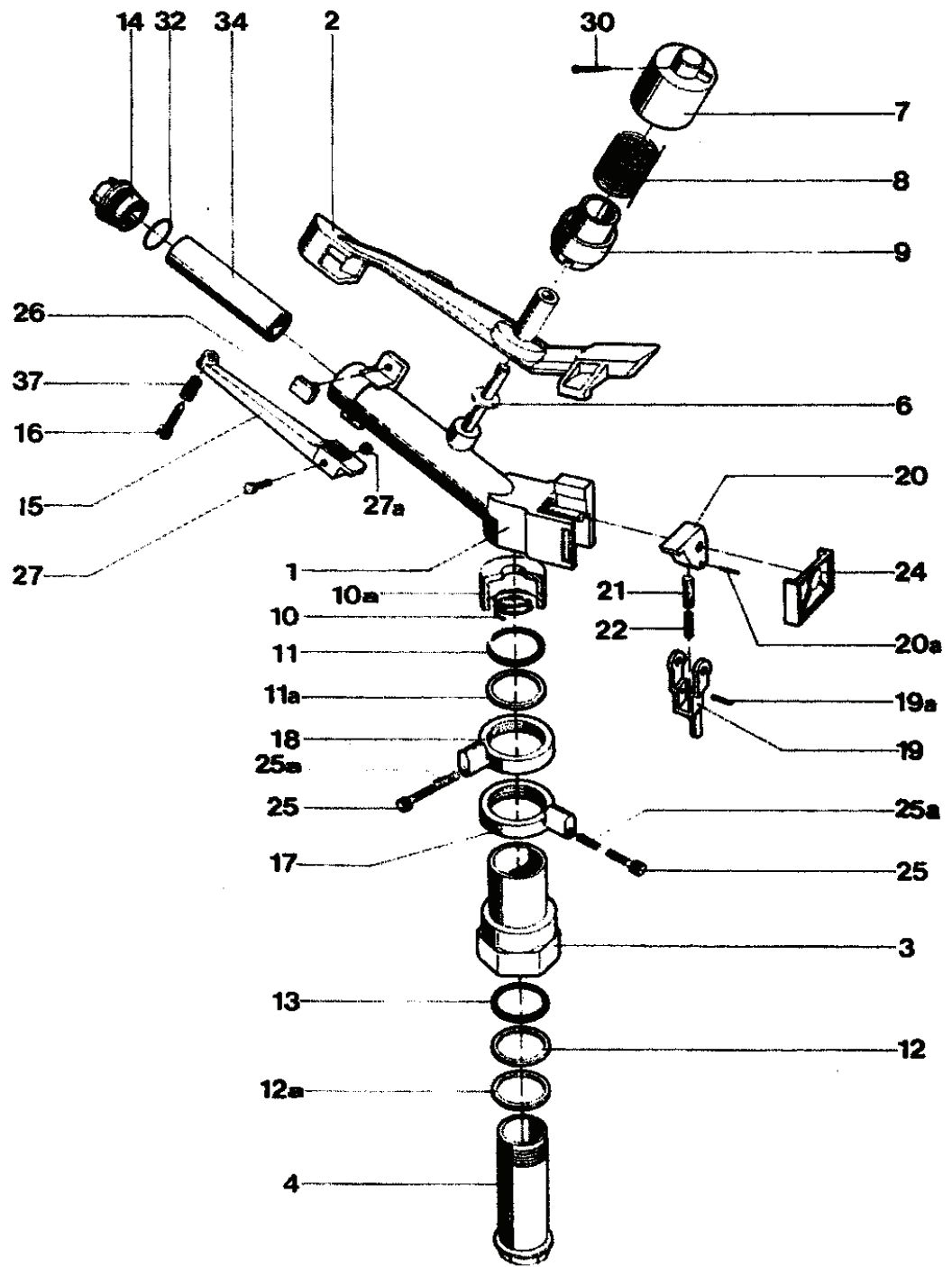


Ref.	Part#	Description	Qty.
1	SIM K1	K1 Sprinkler	1
	SIM HIDRA	Hidra Sprinkler	1
	SIM SENIOR	Senior Sprinkler	1
2	0015K	Cart Lift Handle MR43	1
3	60046000	Heavy Guncart-Body & Wheels only, MR43	1
4	11617	Snap Ring	2
5	11220	Washer	2
6	00357	Guncart Wheel & Tire Assy.	2
7	0016K	Swivel Joint	1
8	0017K	Nut	2
9	0018K	Linkage Rod	1
10	0019K	Trip Lever-Shut Off Valve	1
11	0020K	Shut Off Valve	1
12	0021K	Disconnect Joint	1
13	0506PLUG	1/2 Galvanized Plug	1



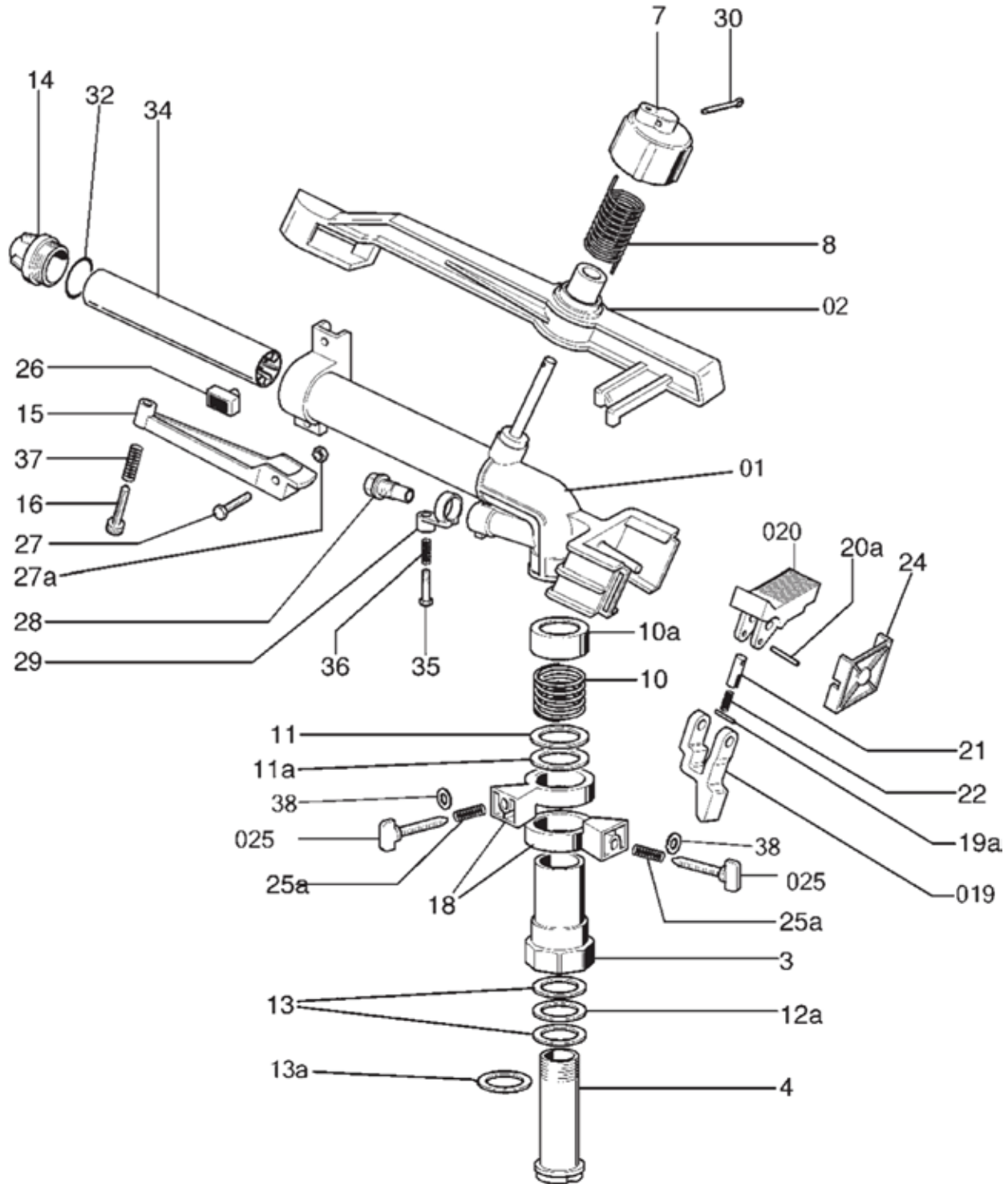


Ref.	Part#	Description	Qty
1	12000303Z	Inlet Fitting	1
2	14209	Nut-Locking	1
3	14212	Nut-Locking	1
4	0035K	Pressure Gauge	1
5	81170125	Lock Arm Bracket	1
6	01609	Ball Valve	1
7	12000302Z	Ball Valve Adapter	1
8	50042120	Lower Inlet Elbow	1
9	83400050Z	Lock Arm	1
10	83400010Z	Ball Valve Lever	1
11	83400012	Ball Valve Engage Handle	1
12	05349	Gas Cylinder	1
13	13506	Yoke	1
14	13007	Pin Clip	1
15	01632	Ball Valve Stem	1
16	15053204	Spacer	1
17	15043203Z	Spring	1
18	15053207Z	Linkage Rod	1
19	99050130Z	Adjustable Stop, Shut-off Rod	1
20	51042108Z	Handle Bracket	1
21	11413	Grub Screw	3
22	11402	Grub Screw	1
23	11211	Washer	1
24	11210	Washer	2
25	11110	Nut	1
26	10065	Bolt	1
27	10118	Bolt	1
28	10118	Bolt	1
29	14119	Bolt	1
30	11206	Washer	1
31	11238	Washer	1
32	11224	Washer	1
33	11110	Nut	2
34	11110	Nut	1
35	10195	Bolt	5
36	11208	Washer	8
37	11108	Nut	4
38	11108	Nut	2
39	11108	Nut	1



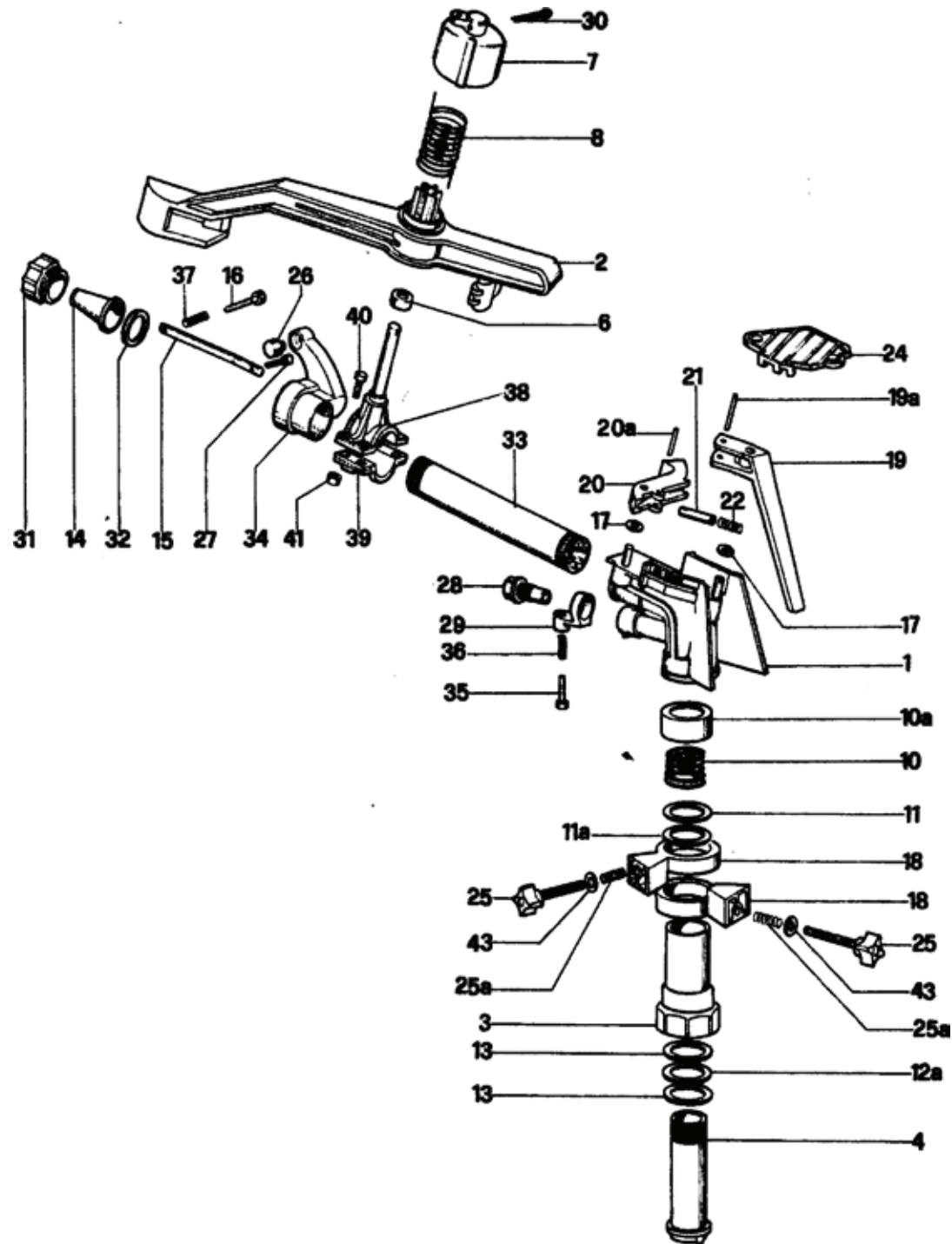
Ref.	Part#	Description	Qty.
1	S-30341	Sprinkler Body-K1	1
2	S-30342	Drive Arm	1
3	S-30344	Brass Outer Base	1
4	S-30345	Brass Inner Base	1
6	S-30347	Washer	1
7	S-30348	Top Spring Cover	1
8	S-30349	Drive Arm Tension Spring	1
9	S-30350	Nylon Spring Mount	1
10	S-30300	Lower Bearing Assy. Spring	1
10a	S-30351	Lower Spring Housing	1
11	S-30352	Top Seal Ring	1
11a	S-30354	Teflon Washer	1
12	S-30354	Teflon Washer	1
12a	S-30355	Bottom Seal Washer	1
13	S-30356	Rubber Seal Washer	1
14	S-30357	Nozzle	3
15	S-30358	Diffuser Arm	1
16	S-30359	Diffuser Screw	1
17	S-30360	Adjustable Stop	1
18	S-30360	Adjustable Stop	1
19	S-30362	Reverse Arm	1
19a	S-30363	Pin	1
20	S-30364	Reverse Lever	1
20a	S-30322	Roll Pin	1
21	S-30365	Reverse Pin	1
22	S-30366	Spring	1
24	S-30368	Nylon Cap	1
25	S-30498	Adjustable Stop Screw	2
25a	S-30325	Spring	2
26	S-30369	Bumper	1
27	S-30370	Screw	1
27a	S-30321	Nut	1
30	S-30371	Cottar Pin	1
32	S-30372	O-Ring	1
34	S-30373	Barrel Vane	1
37	S-30374	Spring	1

\*Seal washers may be ordered as a kit-Part# S-10014K



Ref.	Part #	Description	Qty.
1	S-301094	Sprinkler Body-Hidra	1
2	S-301095	Drive Arm	1
3	S-301092	Brass Outer Base	1
4	S-301097	Brass Inner Base	1
7	S-30972	Top Spring Cover	1
8	S-30971	Drive Arm Tension Spring	1
10	S-301098	Lower Bearing Assy. Spring	1
10a	S-301099	Spring Housing	1
11	S-301088	Top Seal Ring	1
11a	S-301089	Teflon Washer	1
12a	S-301090	Teflon Washer	1
13	S-301088	Bottom Seal Washer	2
13a	S-3010497	Bottom Rubber Seal Washer	1
14	S-3010100	Nozzle	3
15	S-30358	Diffuser Arm	1
16	S-30359	Diffuser Screw	1
18	S-3010101	Adjustable Stop	2
19	S-3010102	Reverse Arm	1
19a	S-30363	Pin	1
20	S-3010103	Reverse Lever	1
20a	S-3010107	Pin	1
21	S-30816	Reverse Spring Housing	1
22	S-30817	Reverse Spring	1
24	S-30819	Nylon Cap	1
25	S-30820	Adjustable Stop Screw	2
25a	S-30821	Spring	2
26	S-3010194	Bumper	1
27	S-301013	Screw	1
27a	S-30726	Nut	1
28	S-30280	Diffuser Nozzle	1
29	S-30339	Lower Diffuser Screw Holder	1
30	S-30371	Split Pin	1
34	S-3010106	Barrel Vane	1
35	S-30336	Lower Diffuser Screw	1
36	S-30337	Lower Diffuser Spring	1
37	S-30374	Diffuser Spring	1

\*Seal washers may be ordered as a kit-Part #S-10252K





\*Seal washers may be ordered as a kit-Part #S-10307K

Ref.	Part #	Description	Qty.
1	S-3010185	Sprinkler Body-Senior	1
2	S-3010186	Drive Arm	1
3	S-30793	Brass Outer Base	1
4	S-20116	Brass Inner Base	1
6	S-20195	Bushing	1
7	S-3010188	Top Spring Cover	1
8	S-3010189	Drive Arm Tension Spring	1
10	S-3010274	Lower Bearing Assy. Spring	1
10a	S-30803	Spring Housing	1
11	S-30804	Seal Ring	1
11a	S-30805	Teflon Washer	1
12a	S-30805	Teflon Washer	1
13	S-30804	Seal Ring	1
14	S-30566	Nozzle	3
15	S-20180	Diffuser Arm	1
16	S-30359	Diffuser Screw	1
17	S-301010	Washer	1
18	S-30811	Adjustable Stop	2
19	S-3010190	Reverse Arm	1
19a	S-30992	Pin	1
20	S-3010191	Reverse Lever	1
20a	S-3010192	Pin	1
21	S-30997	Reverse Spring Housing	1
22	S-301016	Reverse Spring	1
24	S-3010193	Nylon Cap	1
25	S-30820	Adjustable Stop Screw	2
25a	S-30821	Spring	2
26	S-3010194	Bumper	1
27	S-30530	Screw	1
28	S-30280	Diffuser Nozzle	1
29	S-30339	Lower Diffuser Screw Holder	1
30	S-30371	Split Pin	1
31	S-30211	Nozzle Keeper	1
32	S-30567	O-Ring	1
33	S-20181	Barrel	1
34	S-3010195	End Bracket	1
35	S-30336	Lower Diffuser Screw	1
36	S-30337	Lower Diffuser Spring	1
37	S-30374	Diffuser Spring	1
38	S-3010196	Top Drive Arm Bracket	1
39	S-3010197	Bottom Drive Arm Bracket	1
40	S-30500	Screw	4
41	S-30511	Nut	4
43	S-3010182	Washer	2

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