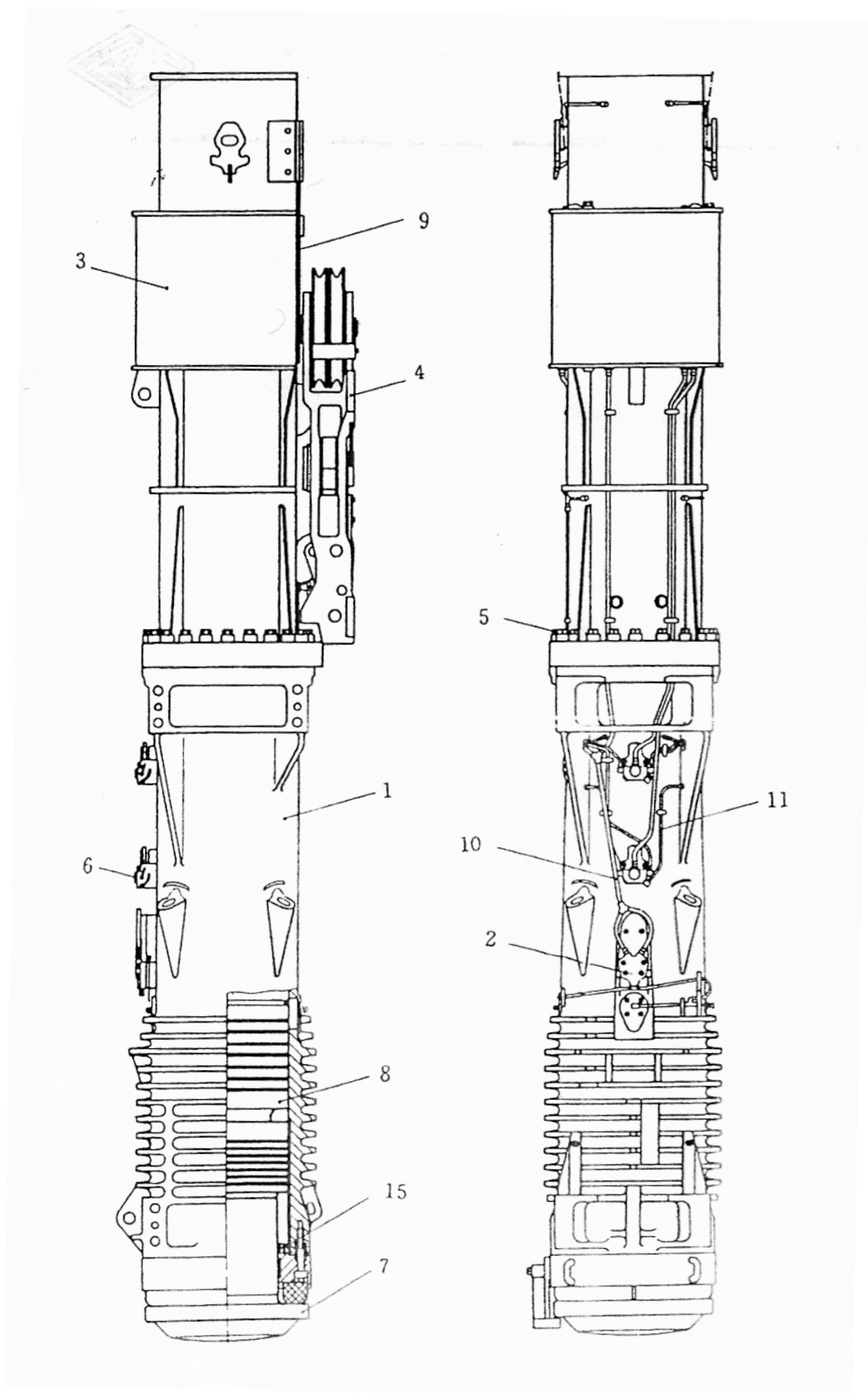


MODEL D80-42 DIESEL PILE HAMMER
D100-42

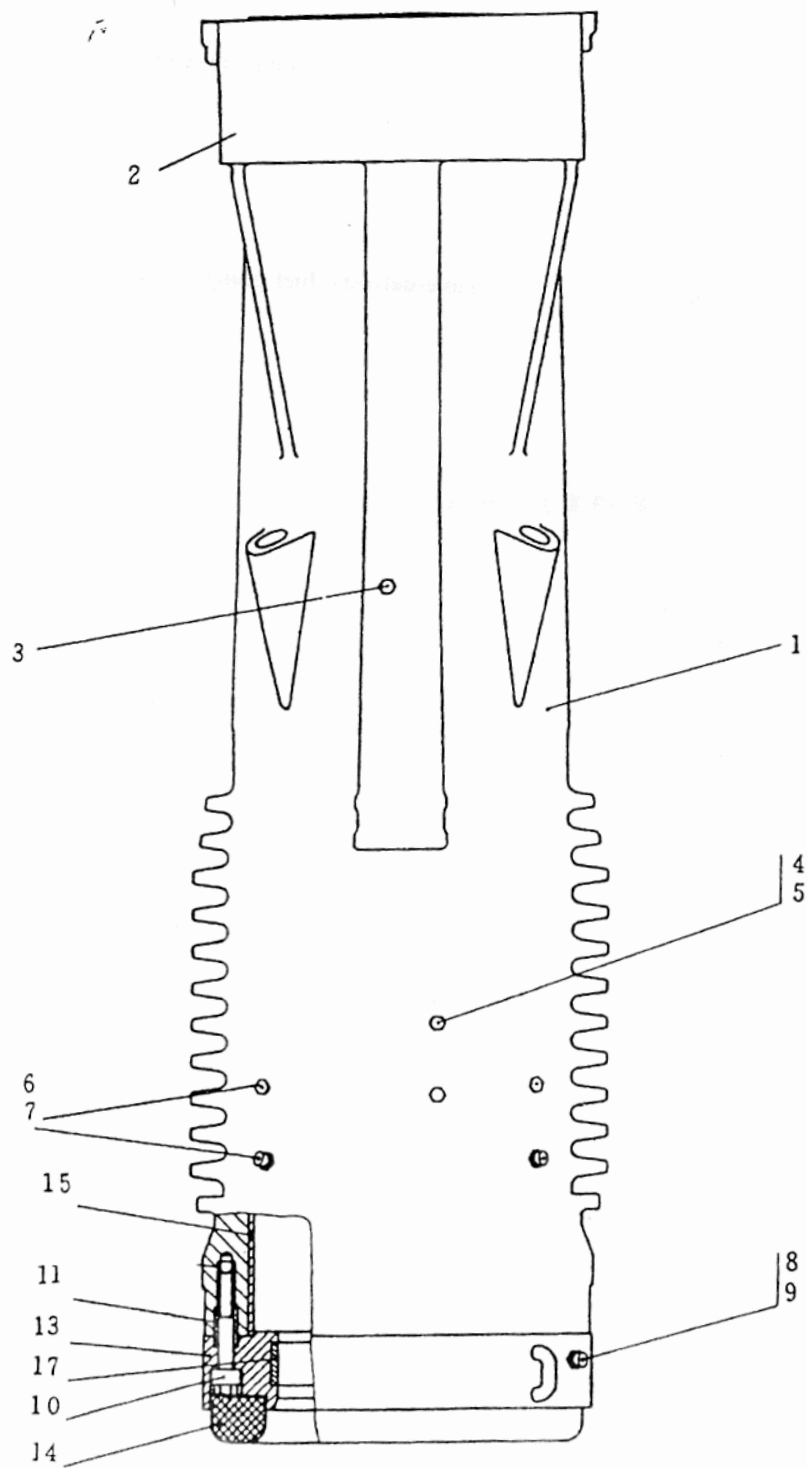


SPARE PARTS BOOK

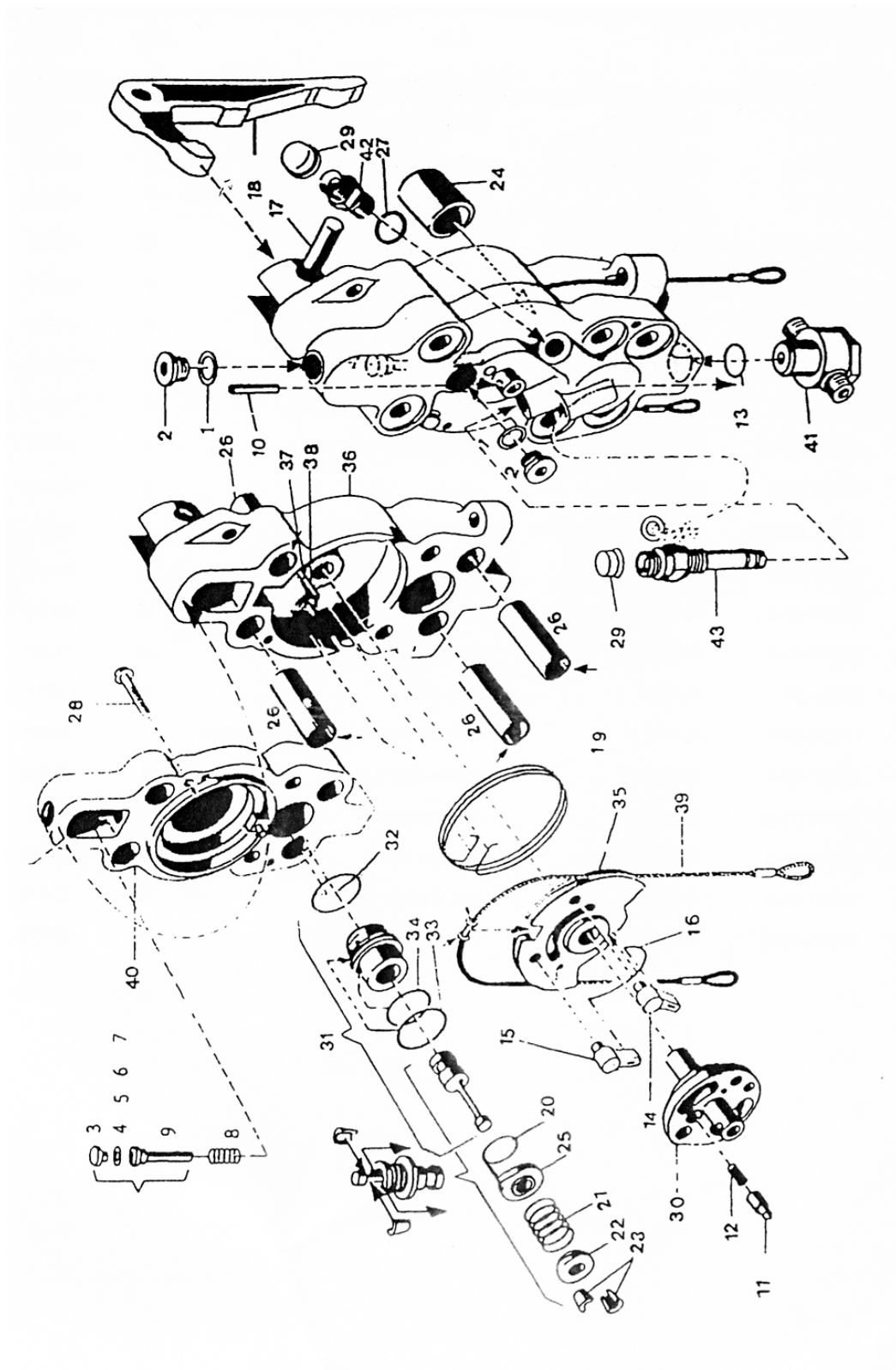
Corporate Office
7032 S. 196th Street
Kent, WA, USA 98032
Tel: 1-800-248-8498
Tel: 1-253-872-0141
Fax: 1-253-872-8710



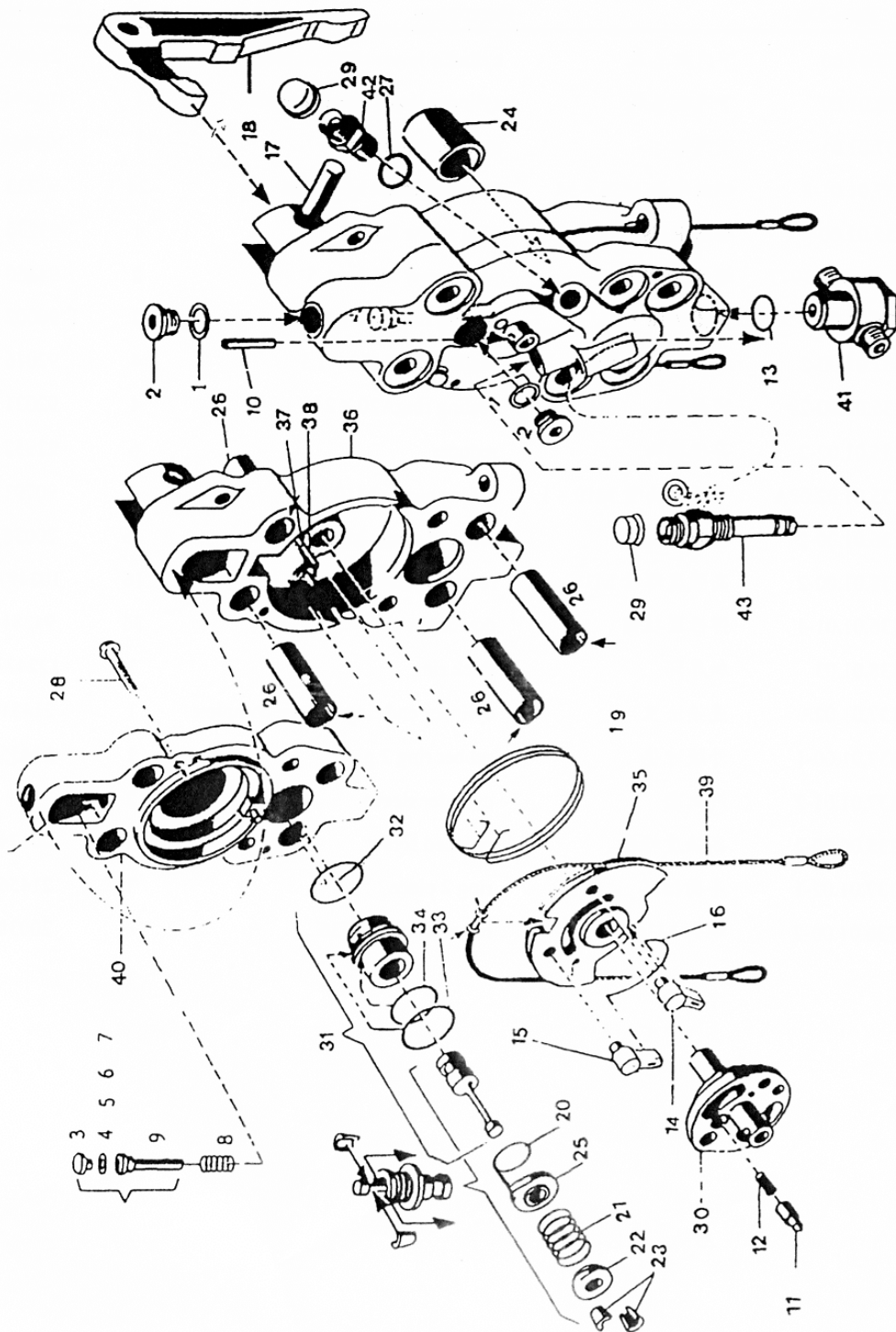
No.	Parts-No.	Description	Qty.	Order-No.
-	137.00	Diesel Pile Hammer D80-23	1	109841
-'	138.00	Diesel Pile Hammer D100-13	1	103960
1	137.01.00	Cylinder Lower Part Complete (Page 3)	1	21446
1'	138.01.00	Cylinder Lower Part Complete(Page 3)	1	103962
2	137.02.00	Variable-Delivery Fuel Pump Complete (Page 5)	1	66947
2'	138.02.00	Variable-Delivery Fuel Pump Complete (Page 5)	1	103959 (103964)
3	137.03.00	Cylinder Upper Part Complete(Page 13)	1	109840
4	137.05.00	Trip Gear Complete(Page 15)	1	41823
5	137.06.00	Set Connecting Parts Complete(Page 17)	1	41945
6	136.07.00	Lube Pump Complete(Page 19)	2	108306
7	137.08.00	Impact Block Complete(Page 21)	1	108493
8	137.09.00	Striking Weight (Piston)Complete(Page 21)	1	109852
8'	138.09.00	Striking Weight (Piston)Complete(Page 21)	1	103949
9	137.10.00	Transport Protecting Kit Complete(Page 23)	1	109844
10	137.11.00	Fuel Line/Breather Line Complete(Page 25)	1	41950
11	137.12.00	Lube Line With Connecting Complete (Page 29)	1	109854
12	137.00-1	Inner Damping Ring	1	21445
*	137.14.00	Guide Clamp	4	
*	137.15.00	Guide Gib	4	
*	137.16.00	Tool Box Complete(Page 31)	1	66917



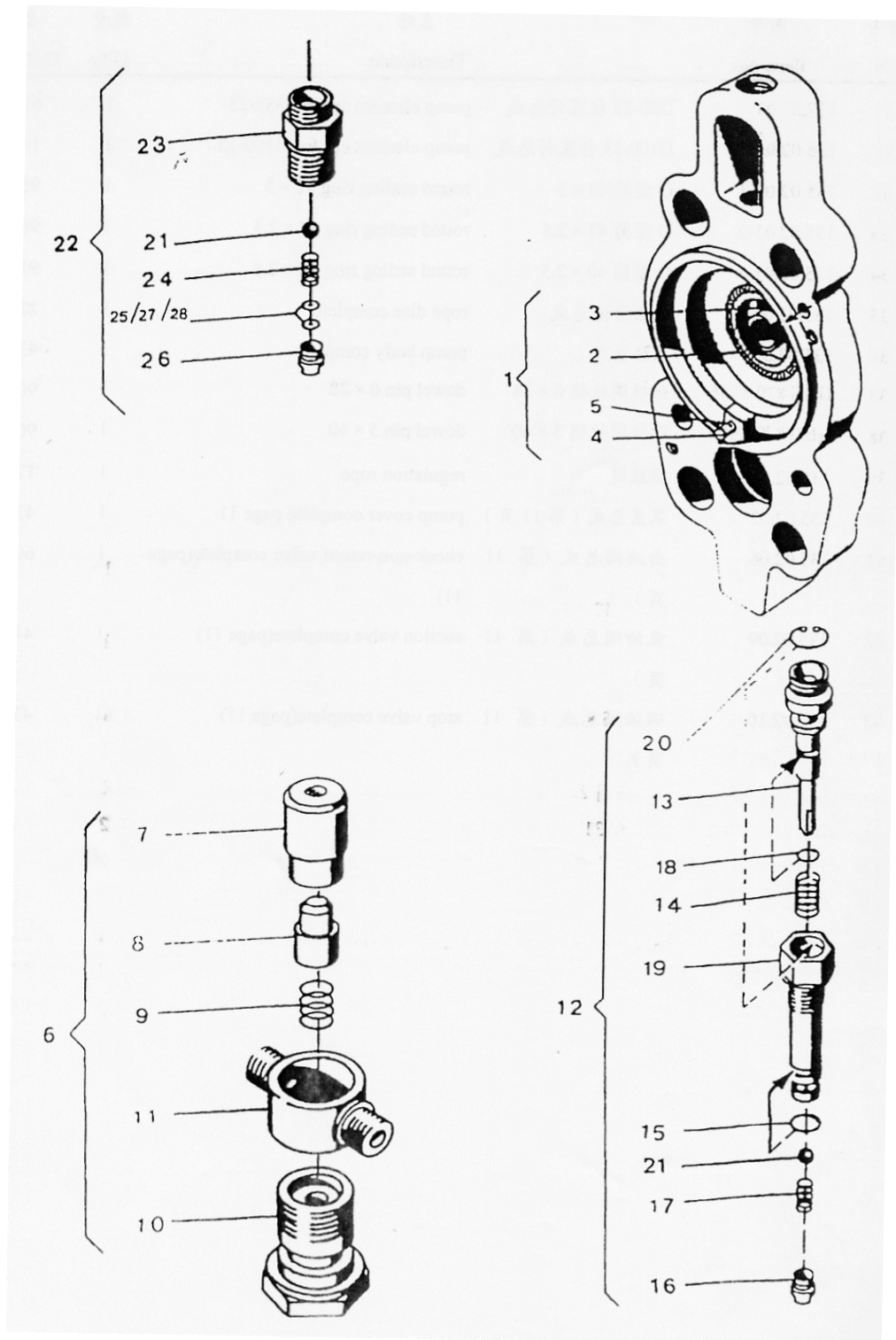
No.	Parts-No.	Description	Qty.	Order-No.
-	137.01.00	Cylinder Lower Part Complete	1	21446
-'	138.01.00	Cylinder Lower Part Complete	1	108493
1	137.01.01	Cylinder Lower Part	1	109865
2	137.01.01-3	Threaded Insert M36×54	24	93233
3	135.01.00-4	Plug Screw R3/8"	1	93235
4	JB/T1000-1977	Plug Screw M1 8×1.5	2	91460
5	135.01.00-2	Sealing Ring A18×22	2	90002
6	137.01.00-2	Sealing Ring M20×1.5	4	92016
7	135.02.00-29	Sealing Ring a20×24	4	92031
8	135.01.02-2	Reducer	6	22952
9	135.01.02.02A	Grease Nipple M10×1	8	90791
10	136.01.00-2	Reduced Screw M36	16	20038
10'	138.01.00-2	Reduced Screw M36	16	103497
11	136.01.01-4	Dowel Pin	36	94281
12'	138.01.03	Thick Ring	1	122473
13	137.01.02A	Cylinder End Ring 2 Piece Complete	1	21451
14	137.01.00-1	Rubber Ring 2 Piece	1	21455
15	137.01.01-2	Cylinder Sleeve	2	
16'	135.06.00-2	Reduced Screw	2	20174
17	137.01.02-1	Ring 2 Piece	1	21456
18	136.01.00-2	Reduced Screw M36	4	20038



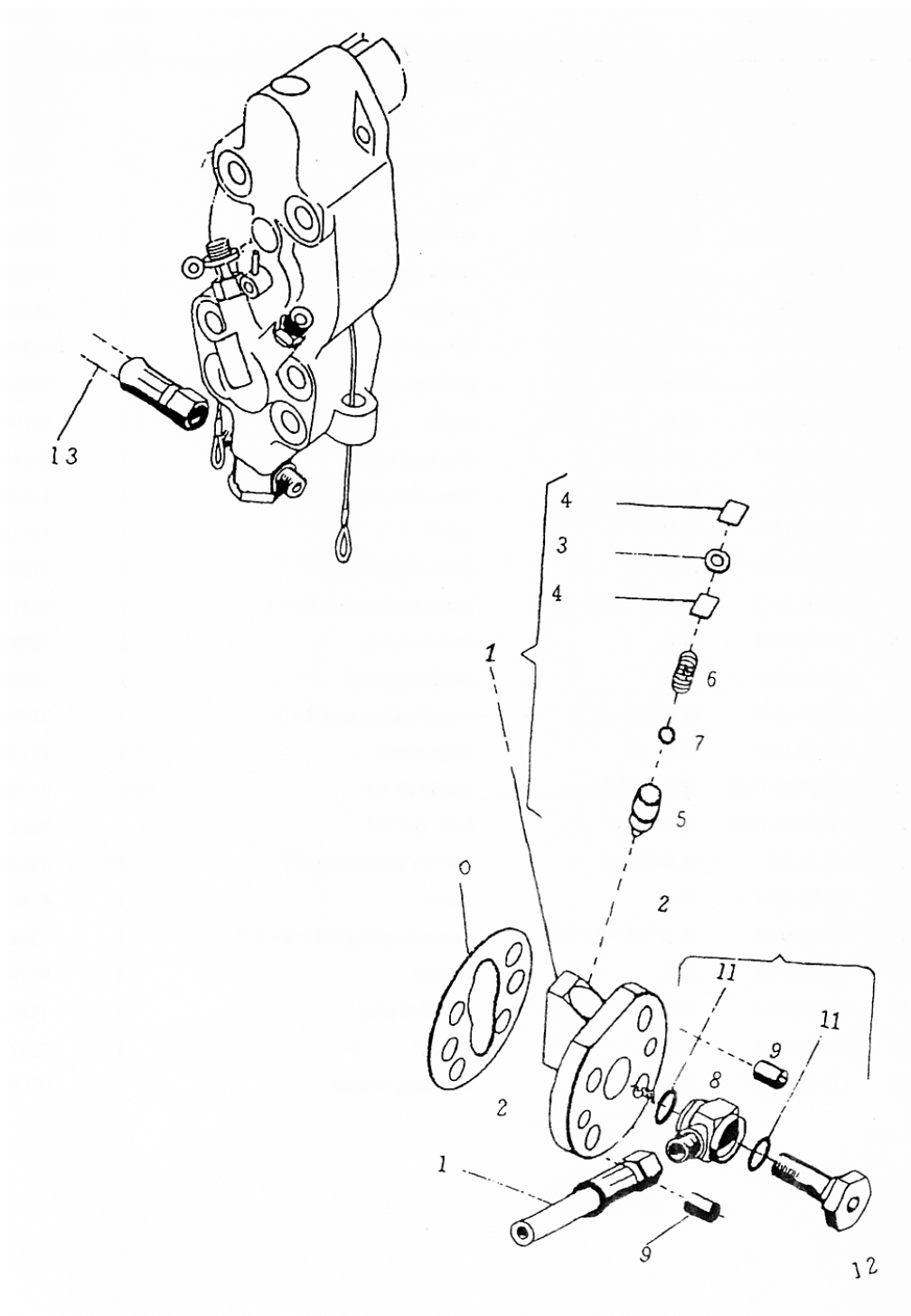
No.	Parts-No.	Description	Qty.	Order-No.
-	137.02.00	Variable-Delivery Fuel Pump Cpl.	1	66948
-'	138.02.00	Variable-Delivery Fuel Pump Cpl.	1	103964
1	135.02.00-1	Sealing Ring A18×22	2	90002
2	JB/T1001-77	Plug Screw M18	2	93055
3	135.02.00-3	Push Cap	1	62124
4	135.02.00-4	Adjusting Washer 8.2×19.8×0.3	1	97332
5	135.02.00-5	Adjusting Washer 8.2×19.8×0.4	1	97348
6	135.02.00-6	Adjusting Washer 8.2×19.8×0.5	1	97333
7	135.02.00-7	Adjusting Washer 8.2×19.8×0.6	1	97334
8	135.02.00-8	Pressure Spring 14.5×34×1	1	22046
9	135.02.00-9	Push Rod	1	62126
10	GB/T879-1986	Dowel Pin 6×40	1	90150
11	135.02.00-10	Screen Pin	1	22049
12	135.02.00-11	Pressure Spring 5.5×20×1.2	1	22044
13	135.02.00-12	Round Sealing Ring 22×3	1	91296
14	135.02.00-13	Cam	1	22052
15	135.02.00-14	Cam	1	22051
16	135.02.00-15	Spring	1	22245
17	135.02.00-16	Pin	1	22043
18	135.02.00-17	Pump Lever	1	41869
19	135.02.00-18	Swivel Spring	1	22062
20	135.02.00-19	Round Sealing Ring 35×2.5	1	92996
21	135.02.00-20	Pressure Spring	1	22060
22	135.02.00-21	Spring Retaining Collar	1	22058
23	135.02.00-22	Conical Ring 2 Piece	1	22059
24	135.02.00-23	Guide Sleeve	1	43287
25	135.02.00-24	Holder Ring	1	43994
26	135.02.00-25	Dowel Pin 28×80	4	94315
27	135.02.00-29	Sealing Ring A20×24	1	92031
28	GB/T5782-1986	Locking Screw M8×50	1	93456
29	135.02.00-31	Protecting Cap	2	93236
30	135.02.01	Switch Shaft	1	43308



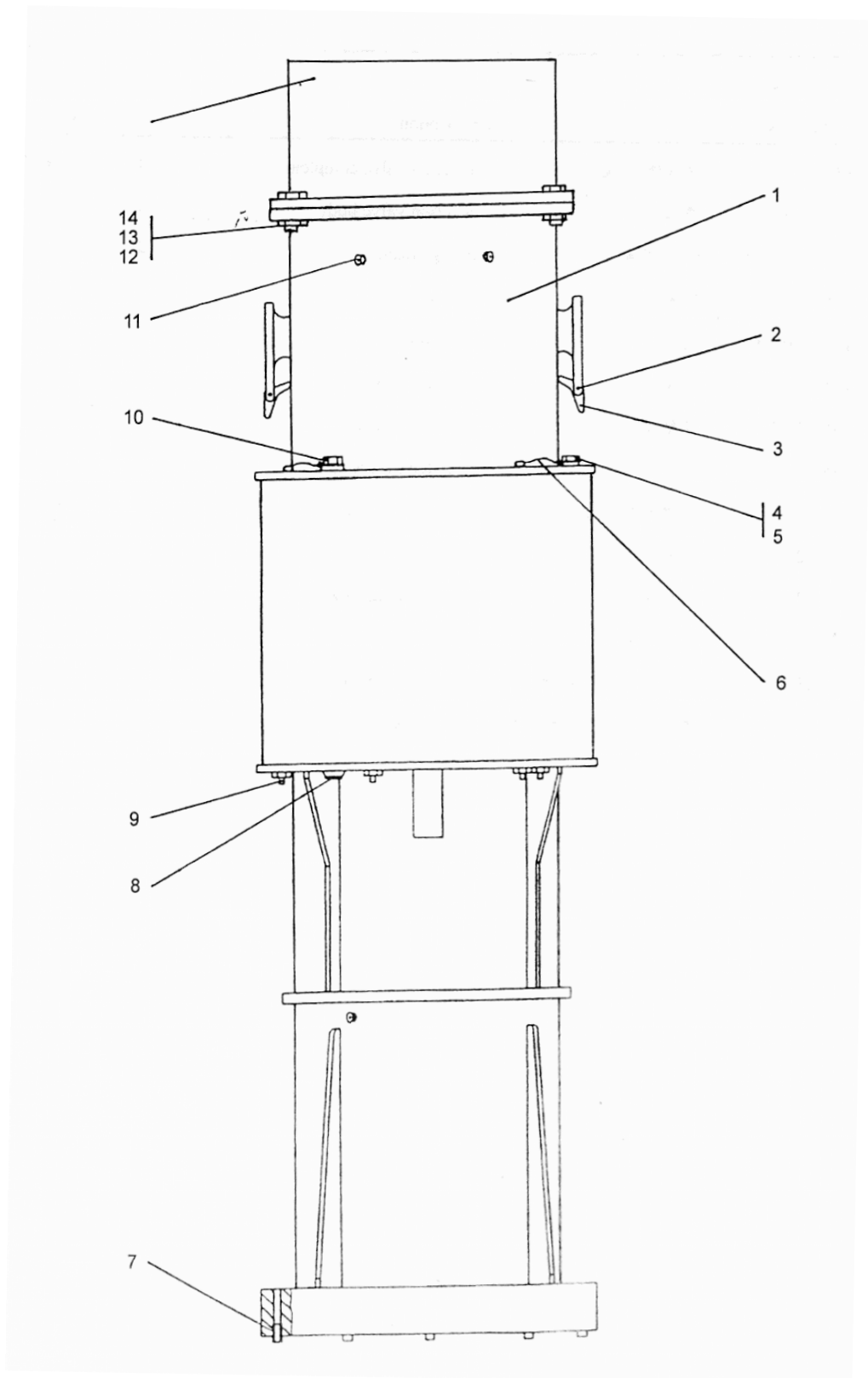
No.	Parts-No.	Description	Qty.	Order-No.
31	137.02.03	Pump Element Cpl.For D80-23	1	67207
31'	138.02.03	Pump Element Cpl.For D100-13	1	14655
32	135.02.03-1	Round Sealing Ring 42×3	1	95933
33	135.02.03-2	Round Sealing Ring 47×2.5	1	96080
34	135.02.03-3	Round Sealing Ring 40×2.5	1	91339
35	135.02.04	Rope Disc Complete	1	22040
36	135.02.05	Pump Body Complete	1	43289
37	GB/T879-1986	Dowel Pin 6×28	1	90137
38	GB/T879-1986	Dowel Pin 5×40	1	90155
39	135.02.11	Regulation Rope	1	17546
40	135.02.02	Pump Cover Complete Page 11	1	43291
41	135.02.06	Check-Non-Return Valve Complete(Page 11)	1	60827
42	135.02.09	Suction Valve Complete(Page 11)	1	41863
43	135.02.10	Stop Valve Complete(Page 11)	1	41868



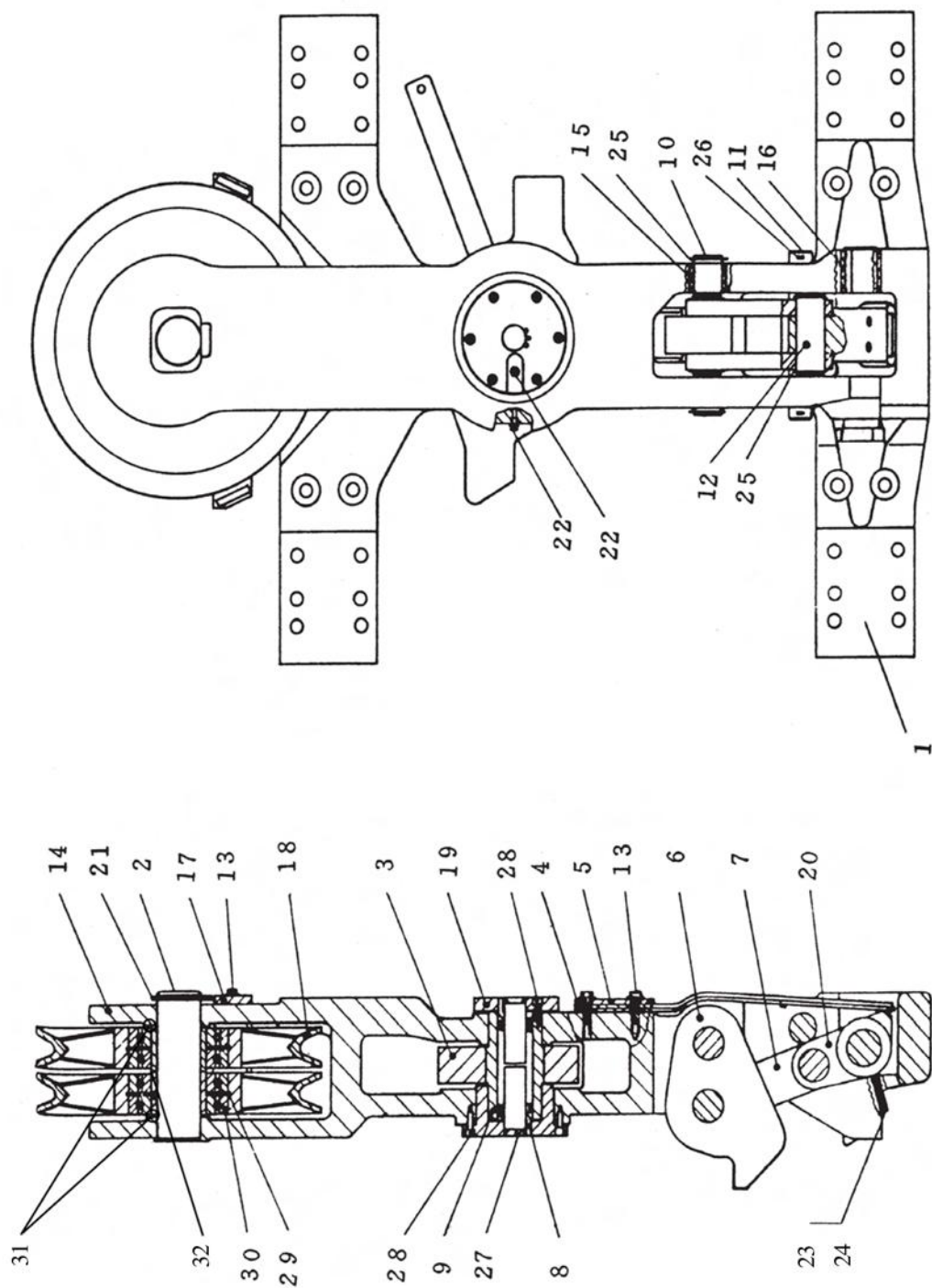
No.	Parts-No.	Description	Qty.	Order-No.
1	135.02.02	Pump Cover Complete	1	43291
2	135.02.02-2	Ring	1	22050
3	135.02.02-3	Stop Pin	1	43307
4	135.02.02.01	Stop	1	22796
5	GB/T879-1986	Dowel Pin 10×32	1	90231
6	135.02.06	Check-Non-Return Valve Complete	1	60827
7	135.02.06-1	Housing	1	43297
8	135.02.06-2	Valve Piston	1	43299
9	135.02.06-3	Pressure Spring	1	22034
10	135.02.06-4	Screw	1	60194
11	135.02.06-4	Ring Type Nipple	1	60195
12	135.02.10	Stop Valve Complete	1	41868
13	135.02.10-1	Valve	1	43138
14	135.02.10-2	Pressure Spring	1	43279
15	135.02.10-3	Round Sealing Ring 12×3	1	94316
16	135.02.10-4	Threaded Plug	1	22021
17	135.02.10-5	Pressure Spring	1	98929
18	135.02.10-6	Round Sealing Ring 8×3	1	91894
19	135.02.10-7	Valve Screw	1	43130
20	GB/T893-1986	Circlip 22×1	1	95786
21	GB/T308-1989	Ball Φ8.731	2	98511
22	135.02.09	Suction Valve Complete	1	41863
23	135.02.09-1	Sleeve	1	41861
24	135.02.09-2	Pressure Spring 7.3×8×0.7	1	22022
25	135.02.09-3	Washer	1	95294
26	135.02.09-4	Threaded Plug	1	41862
27	135.02.09-5	Washer	1	22023
28	135.02.09-6	Adjusting Washer	1	191300



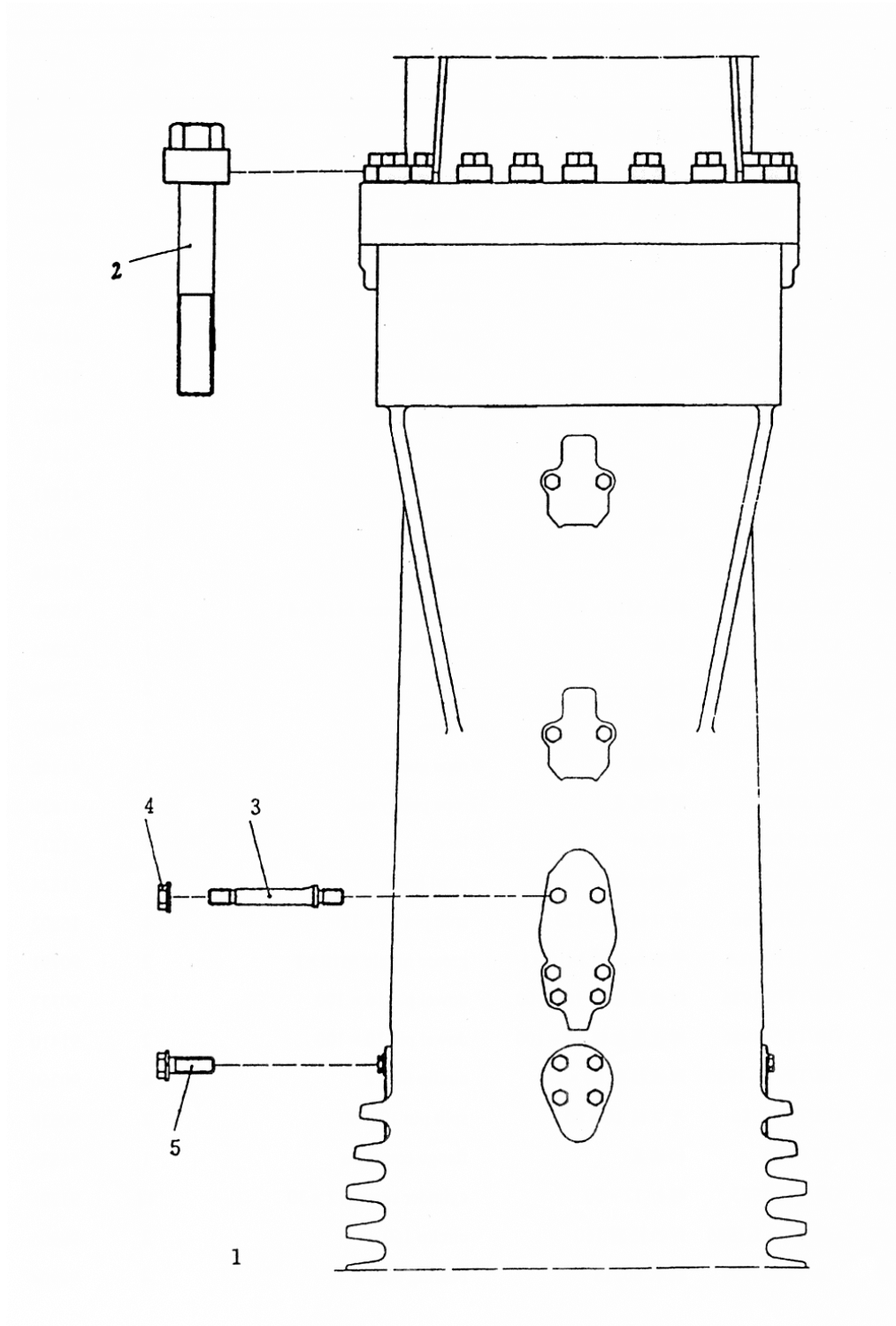
No.	Parts-No.	Description	Qty.	Order-No.
1	136.02.02	Injection Valve Complete	4	104675
2	136.02.02-1	Injection Valve Body	4	104676
3	135.02.07-2A	Spring Washer	4	64461
4	135.02.07-3	Locking Plate	8	64460
5	135.02.07-4	Valve Piston	4	63843
6	135.02.07-5	Pressure Spring	4	97569
7	135.02.07-7	Adjusting Washer	8	97573
8	135.02.00-26	Threaded Pipe Joint	4	97038
9	135.02.00-27	Dowel Pin 21×28	8	95633
10	135.02.00-28	Sealing	4	45647
11	135.02.00-32	Round Sealing Ring 17×1.5	8	97258
12	135.02.00-33	Hollow Screw	4	
13	137.11.02	High Pressure Hose Line (920mm)	1	98633
14	137.11.01	High Pressure Hose Line (285mm)	1	98770



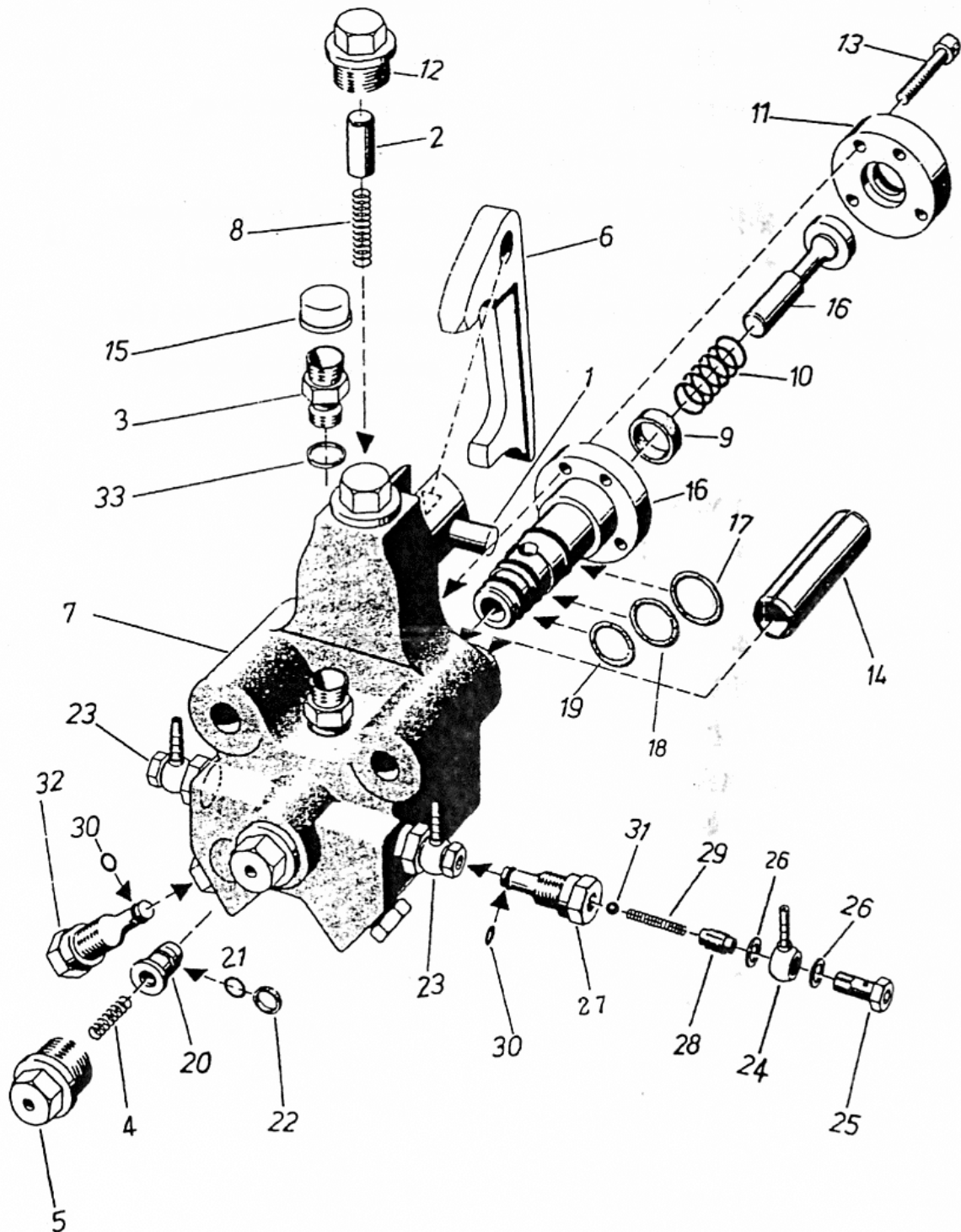
No.	Parts-No.	Description	Qty.	Order-No.
-	137.03.00	Cylinder Upper Part Complete	1	109840
1	137.03.01	Cylinder Upper Port	1	
2	135.03.00-3	Dowel Pin 13×60	2	90044
3	135.03.00-1	Ratchet	2	17039
4	135.03.05-1	Plug Screw “Diesel”	1	17186
5	135.03.04-1	Plug Screw “Oil”	1	17188
6	135.03.03-2	Chain Link, Exchangeable	3	2253
7	136.01.01-4	Dowel Pin	8	94281
8	135.03.00-2	Protection Plug	1	96890
9	135.03.02-1	Filter Elbow	4	64403
10	135.03.03	Plug Screw “Aether”	1	20651
11	135.01.02.02A	Grease Nipple M10×L	6	90791
12	GB/T5782-1986	Screw	12	
13	GB/T6185-1986	Nut	12	
14	GB/T93-1987	Washer	12	
15	137.3.1.2	Extend Cylinder	1	



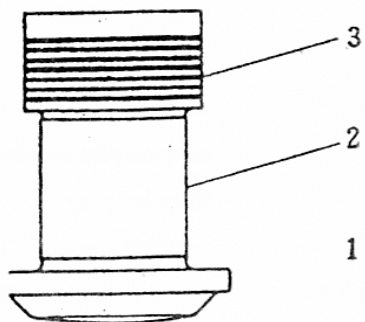
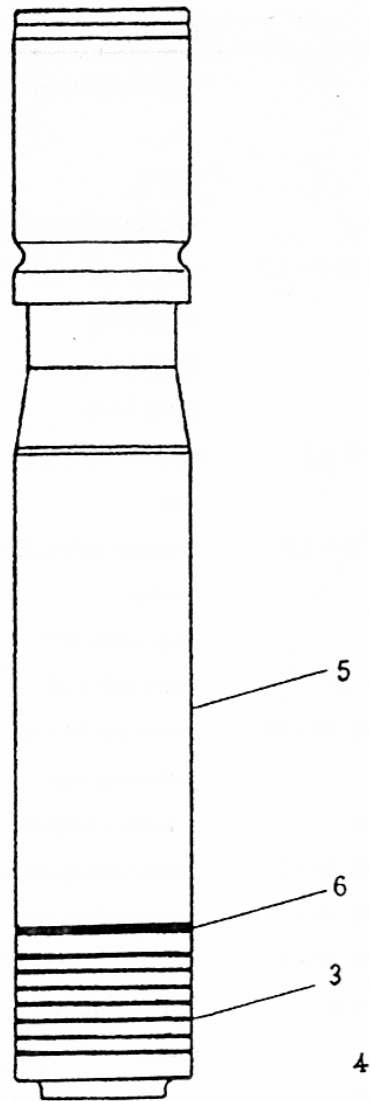
No.	Parts-No.	Description	Qty.	Order-No.
1	137.05.00	Trip Gear Complete	1	41823
2	137.05.00-1	Sheave Pin	1	41843
3	137.05.00-2	Driving Pin	1	41844
4	137.05.00-3	Leaf Spring	2	41850
5	137.05.00-4	Plate	1	41846
6	137.05.00-5	Pawl	1	41845
7	137.05.00-6	Shackle	2	41847
8	137.05.00-7	Torsion Spring	1	41851
9	137.05.00-8	Shaft	1	41849
10	137.05.00-9	Shaft	1	41841
11	137.05.00-10	Joint Bolt	1	98514
12	137.05.00-11	Shaft	2	41848
13	135.06.00-6	Locking Screw M16×45	8	95639
14	137.05.01-1	Guide Body	1	22984
15	137.05.01-2	Sleeve	2	22986
16	137.05.01-3	Sleeve	2	22987
17	137.05.02	Rope Guard	1	41842
18	137.05.03	Rope Pulley Cpl.	2	41839
19	137.05.04	Lever	1	41831
20	137.05.05	Pawl Lever	1	41824
21	GB/T91-1986	Split Pin 10×120	1	16802
22	135.01.02.02A	Grease Nipple M10×L	2	90791
23	GB/T879-1986	Dowel Pin 16×100	2	90337
24	GB/T879-1986	Dowel Pin 10×100	2	91410
25	GB/T894.1-1986	Circlip 60×2	6	90260
26	GB/T91-1986	Split Pin 10×80	2	90638
27	137.05.06	Flange Complete	1	41835
28	GB/T70-1985	Cylinder Screw 12×30	12	91395
29	GB/T893.1-1986	Circlip 160	2	98905
30	GB/T276-1994	Bearing 60218	4	98904
31	137.05.03-3	Slide Ring	1	
32	137.05.03-2	Slide Ring	2	



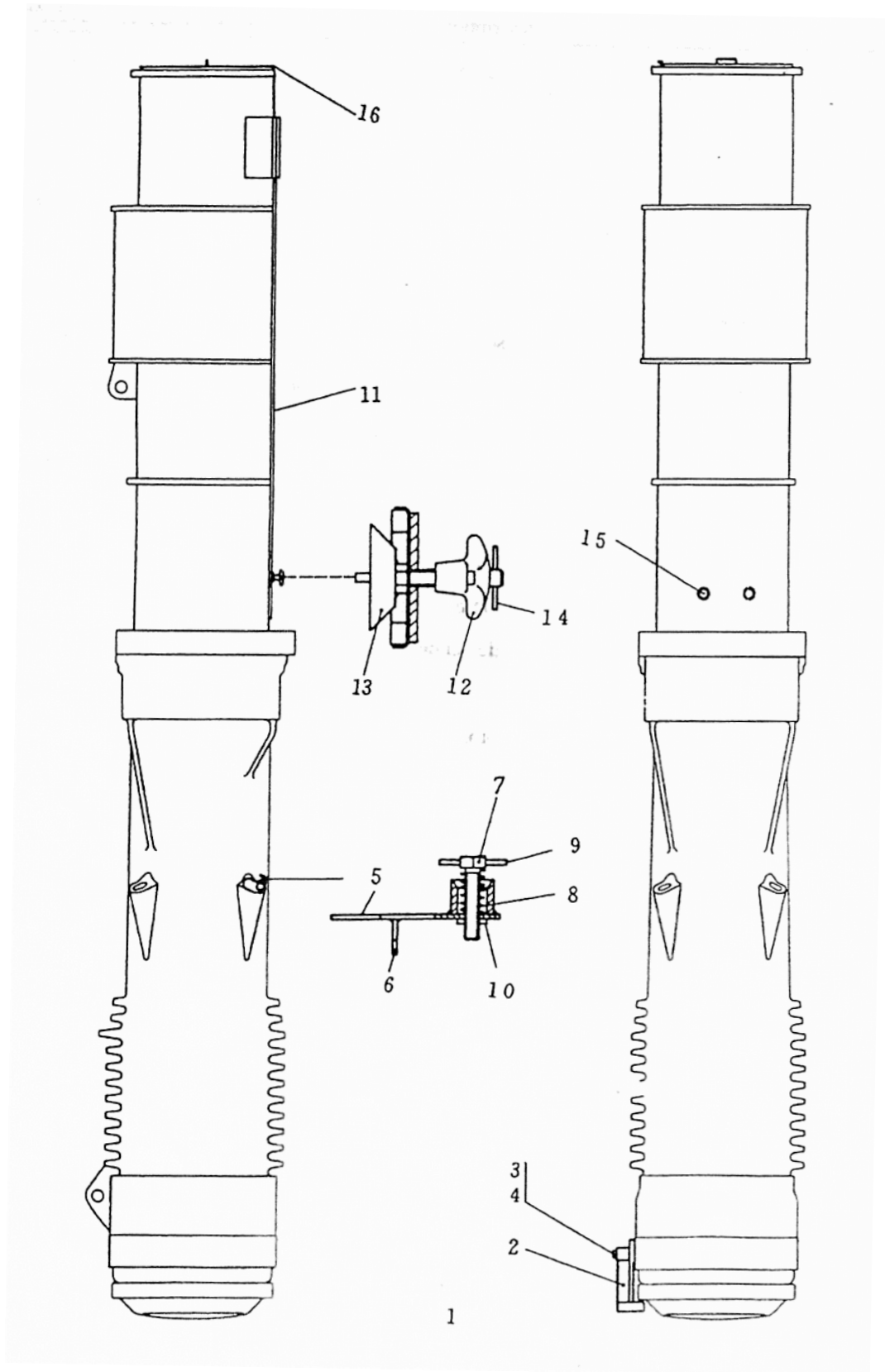
No.	Parts-No.	Description	Qty.	Order-No.
1	137.06.00	Set Connecting Parts Complete	1	41945
2	136.01.00-2	Screw M36	18	20038
3	136.06.00-1	Stud Bolt M16	10	20189
4	136.06.00-5	Locking Nut M16	10	94722
5	136.06.00-6	Locking Screw M16×45	16	95639
*	136.01.01-4	Dowel Pin	8	94281
*	136.01.00-2	Screw M36 (For Guide Runner With Lower Cylinder Part)	12	20038
*	GB/T5782-1986	Reduced Screw M24×240 (For Guide Pad With Trip Gear Cpl.)	8	



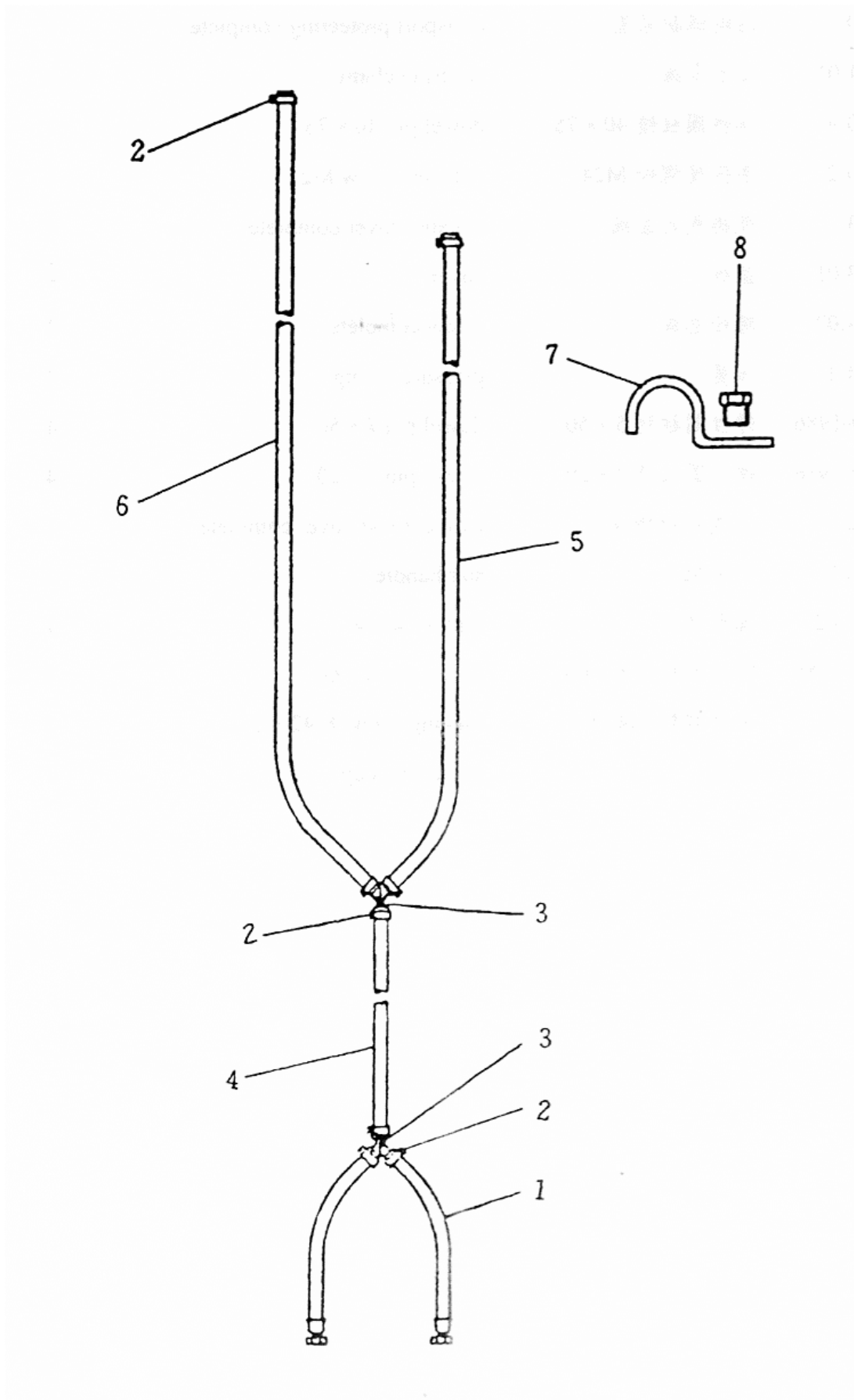
No.	Parts-No.	Description	Qty.	Order-No.
-	135.07.00	Lube Pump Complete	2	108306
1	135.07.00-1	Pin	2	22082
2	135.07.00-2	Sleeve	2	22090
3	135.07.00-3	Adaptor (Tube To Thread)	2	67290
4	135.07.00-4	Pressure Spring 7.3×29.4×1.2	2	190479
5	135.07.00-5	Plug Screw	2	108307
6	135.07.00-6	Pump Lever	2	22081
7	135.07.00-7	Pump Body	2	108315
8	135.07.00-8	Pressure Spring 10×43×2	2	22089
9	135.07.00-9	Ring	2	67283
10	135.07.00-10	Pressure Spring 22×52×2.8	2	97325
11	135.07.00-11	Washer	2	67282
12	135.07.00-12	Plug Screw R1”	2	91976
13	GB/T70-1985	Screw M8×35	8	90937
14	135.02.00-25	Dowel Pin 28×80	4	94315
15	135.02.00-31	Protecting Cap	2	93236
16	135.07.01	Cylinder Complete	2	67279
17	135.07.01-3	Round Sealing Ring 30×3	2	92952
18	135.07.01-4	Round Sealing Ring 30×3	2	91357
19	135.02.00-12	Round Sealing Ring 22×2	2	91296
	135.07.02	Piston Complete	2	67284
20	135.07.02-1	Piston	2	67285
21	135.07.02-2	Round Sealing Ring	2	97236
22	135.07.02-3	Slide Ring	2	97326
23	135.07.03		6	108317
24	135.07.03-1	Ring Type Nipple	6	97949
25	135.07.03-2	Hollow Screw	6	97948
26	135.07.03-3	Sealing Ring A12×15.5	12	91417
27	135.07.03-4	Adaptor(Tube To Thread)	6	108319
28	135.07.03-5	Threaded Plug	6	104679
29	135.07.03-6	Pressure Spring	6	190005
30	135.07.03-7	Round Sealing Ring 8×2	8	97855
31	GB/T308-1989	Ball Φ6	6	90307
32	135.07.04-1	Plug Screw Complete	2	108316
33	135.02.00-29	Sealing Ring A20×24	2	92031



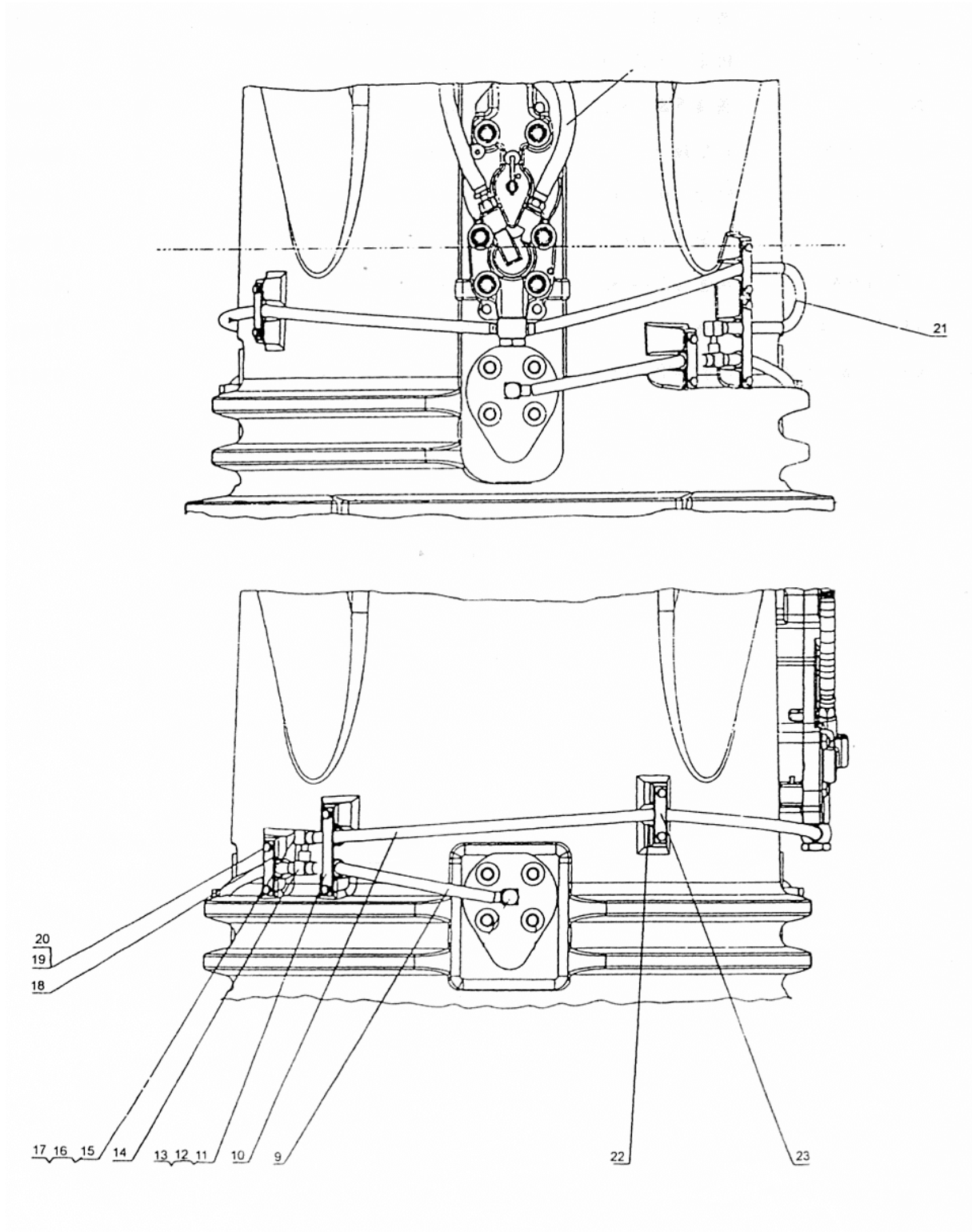
No.	Parts-No.	Description	Qty.	Order-No.
1	137.08.00	Impact Block Complete	1	108493
2	137.08.00-1	Impact Block	1	108494
3	137.08.00-2	Piston Ring	14	21439
4	137.09.00	Striking Weight (Piston)Cpl. For D80-23	1	109852
4'	138.09.00	Striking Weight (Piston)Cpl. For D100-13	1	103949
5	137.09.00-1	Striking Weight (Piston) For D80-23	1	109853
5'	138.09.00-1	Striking Weight (Piston) For D100-13	1	103499
6	137.09.00-2	Catch Piston Ring	1	21443



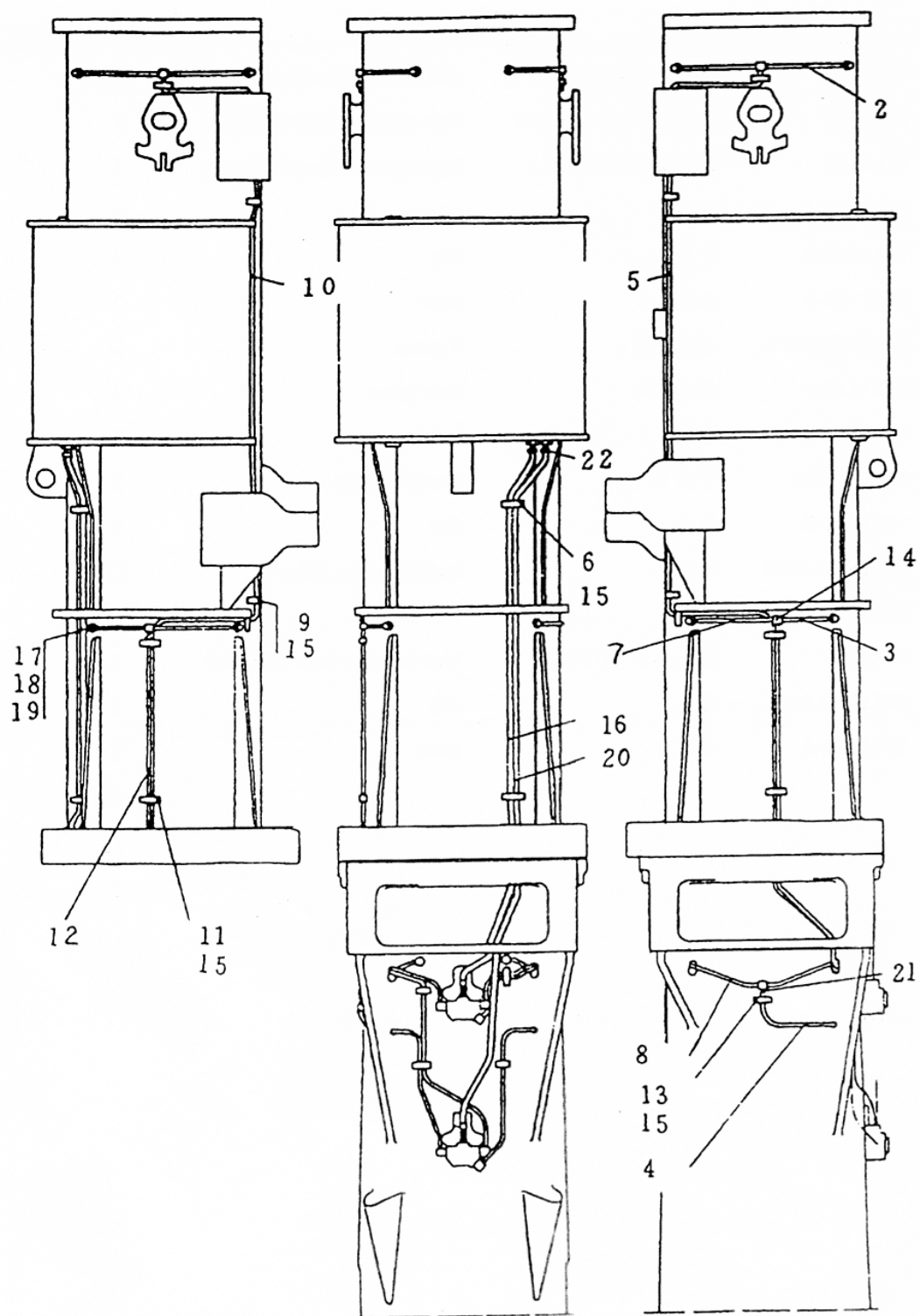
No.	Parts-No.	Description	Qty.	Order-No.
1	137.10.00	Transport Protecting Complete	1	109844
2	136.10.01.01	Securing Clamp	1	41915
3	135.06.00-4	Dowel Pin 40×75	1	95195
4	135.06.00-2	Reduced Screw M24	1	20174
5	137.10.03	Exhaust Cover Complete	4	43237
6	137.10.03.01	Cover	4	43234
7	135.10.04.02	Screw Complete	4	20076
8	135.10.04-1	Pressure Spring	4	20082
9	GB/T879-1986	Dowel Pin 5×50	4	90061
10	GB/T879-1986	Dowel Pin 3×20	4	91144
11	137.10.02	Cylinder Solt Cover Complete	1	109845
12	135.10.02-2	Star Handle	1	96200
13	137.10.02.02	Tommy Screw	1	41935
14	GB/T879-1986	Dowel Pin 6×60	1	90160
15	135.10.00-1	Locking Screw M42×3	2	105787
16	137.10.01	Protecting Cap	1	41940



No.	Parts-No.	Description	Qty.	Order-No.
-	137.11.00	Fuel Line/Breather Line Complete	1	41950
1	135.11.02	Hose (0.275m Long)	2	96504
2	No.0	Hose Clip	8	94299
3	135.11.01A	Y-Piece	2	99019
4	137.11.03-2	Hose (0.72m Long)	1	41951
5	137.11.03-1	Hose (1.9m Long)	1	41952
6	137.11.03-3	Hose (2.19m Long)	1	41953
7	137.11.03-4	Clip	4	41981
8	GB/T5782-1986	Locking Screw M8×12	16	93412



No.	Parts-No.	Description	Qty.	Order-No.
-	137.11.00	Fuel Line/Breather Line Complete	1	
9	137.11.01	High Pressure Hose (285mm)	1	
10	137.11.02	High Pressure Hose (920mm)	1	
11	137.11.00-3	Sleeve	6	
12	137.11.00-4	Clip	2	
13	137.11.00-5	Plate	2	
14	137.11.00-6	T-Piece	2	
15	137.11.00-7	Hose Piece	2	
16	137.11.00-9	Locking Nut	2	
17	JB1897-1977	Clamping Sleeve	2	
18	137.11.00-8	Clip	2	
19	GB/T5782-1986	Locking Screw M8×12	12	
20	GB/T93-1987	Washer 8	12	
21	137.11.02	High Pressure Hose (920mm)	1	
22	137.11.00-1	Clip	2	
23	137.11.00-2	Plate	1	



No.	Parts-No.	Description	Qty.	Order-No.
-	137.12.00	Lube Line With Connecting Cp1.	1	109854
2	137.12.00-1	Hose (0.37m Long)	4	43328
3	137.12.00-2	Hose (0.22m Long)	2	41988
4	137.12.00-3	Hose (1.0m Long)	2	109862
5	137.12.00-4	Hose (5.24m Long)	1	43323
6	137.12.00-5	Hose Clip	2	41965
7	137.12.00-6	Hose (0.31m Long)	2	41989
8	137.12.00-7	Hose (0.45m Long)	4	41987
9	137.12.00-8	Hose Clip	6	41982
10	137.12.00-9	Hose (4.8m Long)	1	109864
11	137.12.00-10	Hose Clip	6	43478
12	137.12.00-11	Hose (1.65m Long)	2	109861
13	135.12.00-1	Hose Clip	4	2932
14	135.12.00-7	T-Piece	6	94522
15	GB/T5782-1986	Locking Screw M8×12	14	93412
16	136.12.00-1	Hose (2.0m Long)	1	98549
17	135.07.03-1	Ring Type Nipple	12	97949
18	135.07.03-2	Hollow Screw	12	97948
19	135.07.03-3	Sealing Ring A12×15.5	24	91417
20	137.12.01	Hose (2.5m Long)	1	98561
19	No.000	Hose Clip 7/16"×5/8"	36	95115
20	No.0	Hose Clip 5/8"×1"	2	94299

No.	Parts-No.	Description	Qty.	Order-No.
-	137.16	Tools And Accessories	1	66917
1	137.16.01	Piston Ring Fitting Band Cp1.	1	41812
2	135.16.02	Piston Ring Fitting Pliers Cpl.	1	16897
3	135.16.03	Assembly Plate	2	22700
4	135.16.04-1	Assembly Plate	1	22251
5	135.16.04-2	Connecting Plate	1	22252
6	135.16.04-3	Bolt	2	22253
7	135.16.04-4	Pin Sheave	1	22259
8	135.16.04-5	Punch $\Phi 12/\Phi 16$	1	93349/90354
9	135.16.04-6	Punch $\Phi 4/\Phi 8$	1	90178/93348
10	135.16.04-7	Single-Head Spanner	1	
11	135.16.05	Tool Box	1	90890
12		Rope 35m Long	2	1130
13		Rope 70m Long	1	1129
14	2350-20/36 DWN29	Ratchet Spanner	1	90196
15	GB/T825-1988	Ring Screw M56	1	94285
16	GB/T879-1986	Dowel Pin 10×100	2	91410
17	GB/T879-1986	Dowel Pin 16×100	2	90357
18	GB/T879-1986	Dowel Pin 3×L6	1	
19	GB/T8918-1996	Cable Wire 8m	1	98643
20	GB/T8918-1996	Cable Wire 8m	2	66920
21	GB/T5976-1986	Cable Clamp	10	90391
22	GB/T5976-1986	Cable Clamp	8	
23	GB/T5976-1986	Cable Clamp	10	
24	GB/T4388-1995	Double Ended Open Spanner 30×32	1	90655
25	GB/T4388-1995	Double Ended Open Spanner 19×22	1	90433
26	GB/T4388-1995	Single Ended Open Spanner 46	1	90184
27	GB/T4388-1995	Single Ended Open Spanner 27	1	90465
28	GB/T4388-1995	Single Ended Open Spanner 17	1	95071
29	GB/T4388-1995	Single Ended Open Spanner 55	1	90467

No.	Parts-No.	Description	Qty.	Order-No.
30	GB/T4388-1995	Double Ended Ring Spanner 22×24	1	95834
31	GB/T3390-1989	Socket Wrench SW22	1	90197
32	GB/T3390-1989	Socket Wrench SW46	1	90199
33	GB/T5356-1998	Angled Screw Driver 5	1	90055
34	GB/T5356-1998	Angled Screw Driver 6	1	90862
35	GB/T5356-1998	Angled Screw Driver 8	1	90657
36	GB/T5356-1998	Angled Screw Driver 10	1	90469
37	GB/T5356-1998	Angled Screw Driver 14	1	90079
38	GB/T5356-1998	Angled Screw Driver 19	1	90194
39		Pliers A19	1	90785
40		Safety Helmet	1	92133
41		Oil Feeder	1	90670
42	135.16.06	Grease Gun	1	90795
43	135.01.02.02A	Grease Nipple M10×1	2	90791