



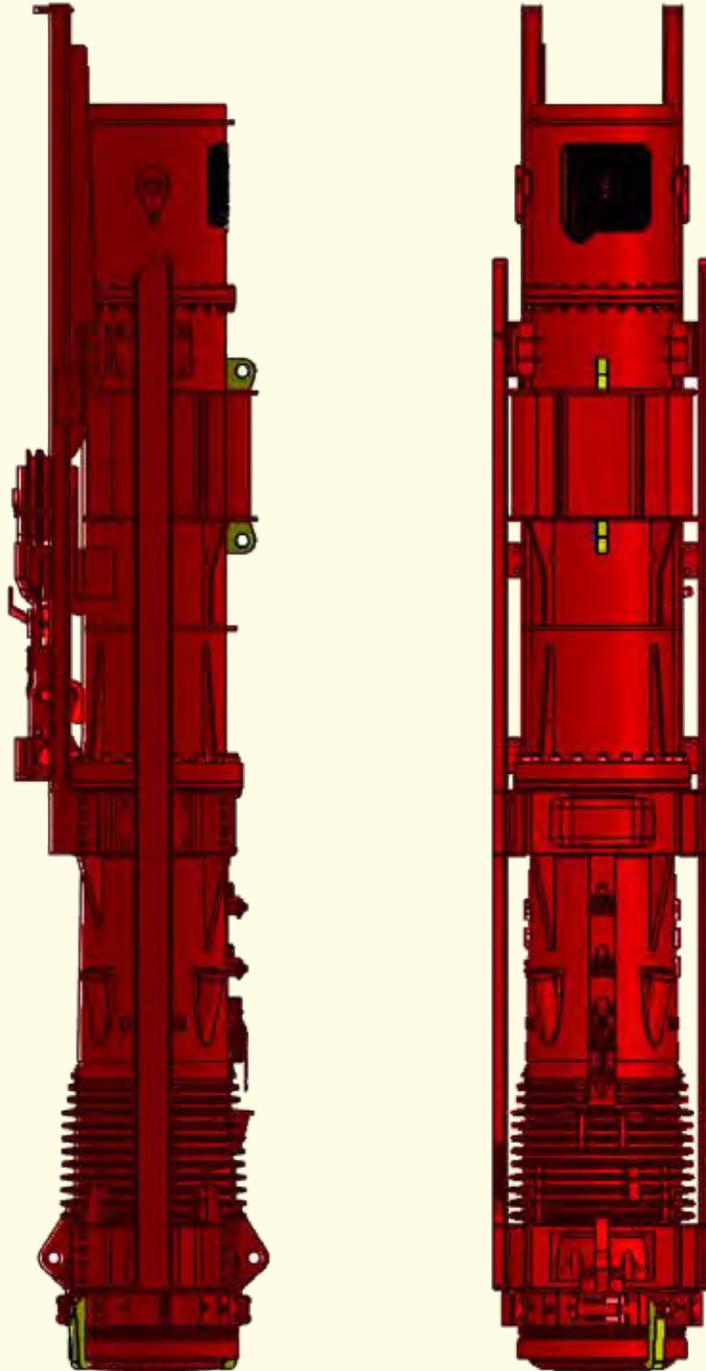
PILECO INC.

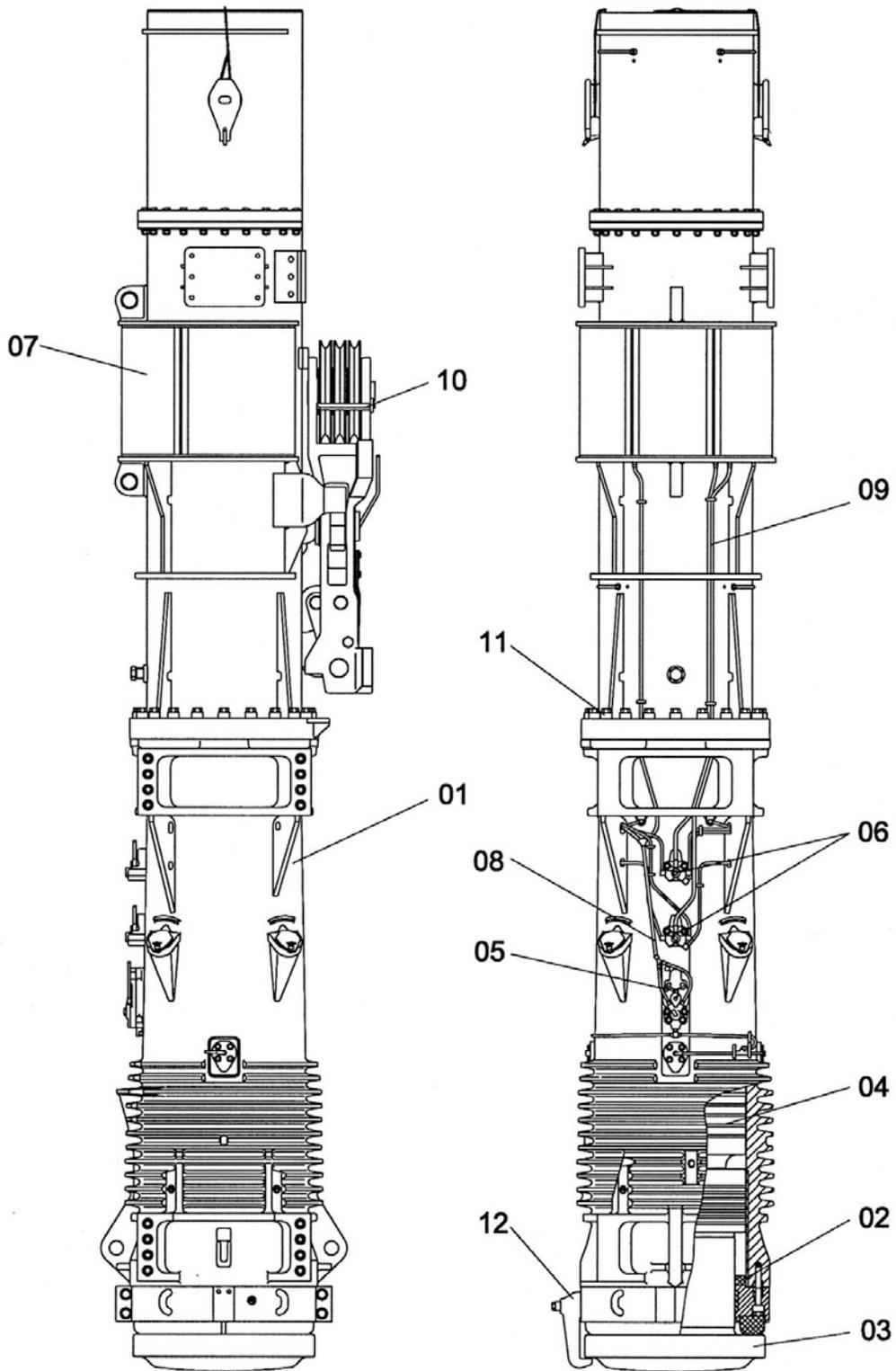
Parts Manual

Diesel Pile Hammer

D160/180-32

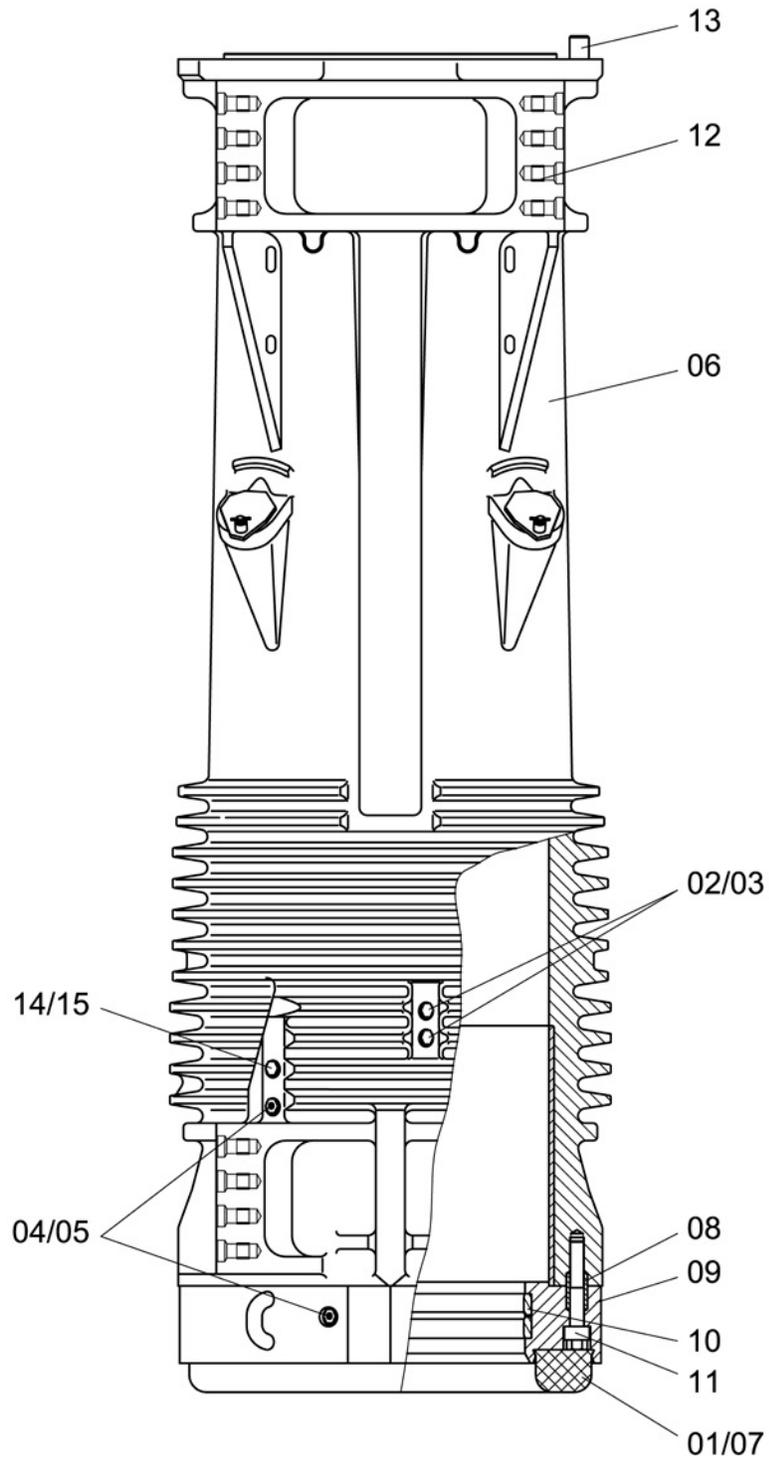
Parts Manual





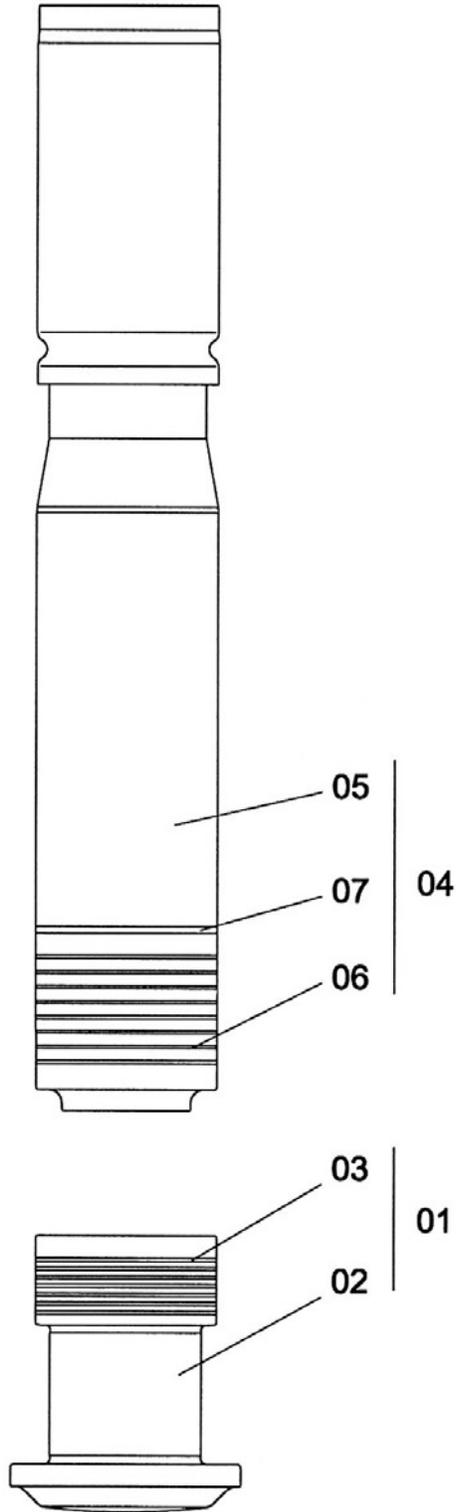
D160/D180-32

No.	Description	Q. ty	Parts – no.
—	Diesel pile hammer D160-32	1	220000
—	Diesel pile hammer D180-32	1	220001
1	cylinder lower part complete	1	220100
1	cylinder lower part complete page 4	1	220101
2	inner damping ring	1	220002
3	impact block complete page 6	1	220200
4	striking weight(piston)complete	1	220300
4	striking weight(piston)complete page 6	1	220301
5	fuel injection device	1	220400
5	fuel injection device page 8	1	220401
6	lube pump complete page 14	2	108325
7	cylinder upper part complete page 16	1	220600
8	fuel line/breather line complete page 18	1	220700
9	lube line with connecting parts complete page20	1	220800
10	trip gear complete page 22	1	220900
11	set of connecting parts page 24	1	221000
12	transport protection kit complete page 26	1	221100
13	guide parts for hammer on request	4	
14	gibes parts for trip gear on request	4	
15	tool box complete page 29	1	221400



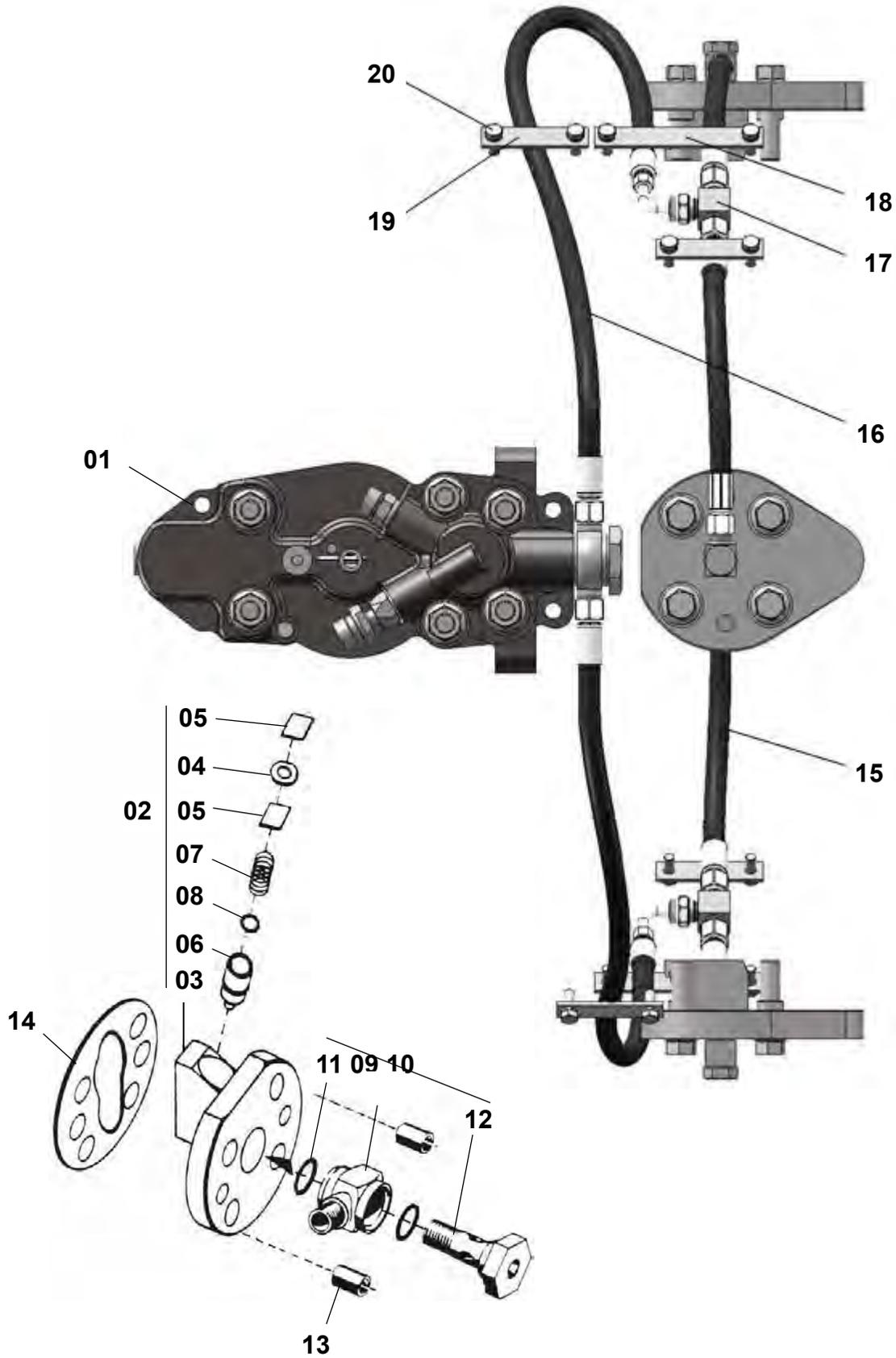
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DH180.01.00

No.	Description	Q. ty	Parts – no.
—	cylinder lower part complete	1	220100
—	cylinder lower part complete	1	220101
1	rubber ring	1	220102
2	plug screw M18×1.5	2	91460
3	sealing ring A18×22	2	90002
4	reducer	9	22592
5	grease nipple M10×1	9	90791
6	cylinder lower part	1	220103
7	ring (2 pieces)	1	220108
8	dowel pin Φ 55×90	24	98807
9	cylinder end ring complete (2 pieces)	1	220104
10	ring(2 pieces)	1	220105
11	reducer screw M36×210	24	20038
12	threaded insert M36	32	93233
13	dowel pin Φ 50×80	10	94281
14	plug screw M20×1.5	4	92016
15	sealing ring20×24	4	92031
※	trick ring	1	220106
※	reducer screw M36×350	20	220107
※	reducer screw M24×165	2	20174



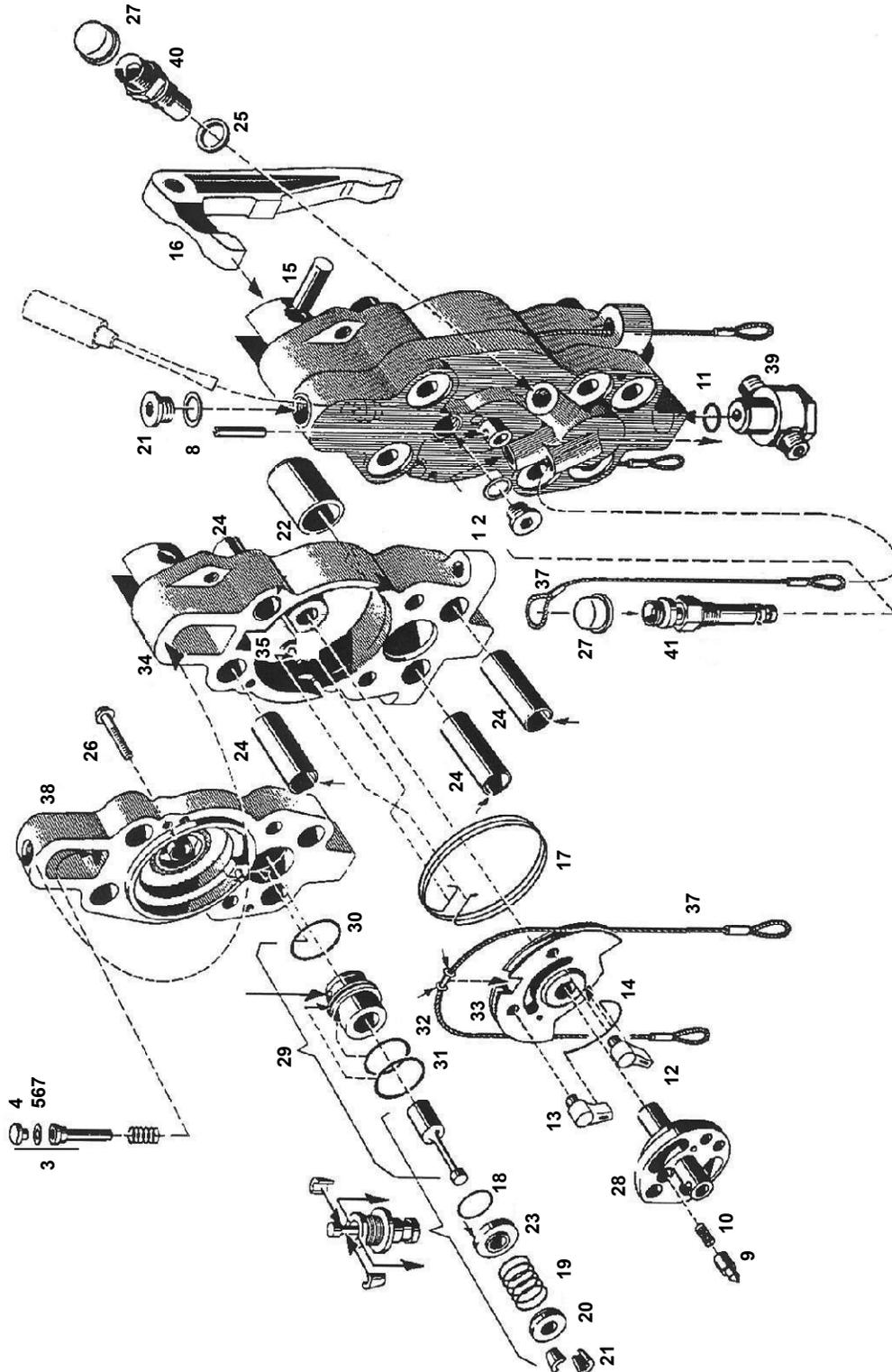
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DH180.03.00

No.	Description	Q. ty	Parts – no.
1	impact block complete	1	220200
2	impact block	1	220201
3	piston ring	7	220202
4	striking weight (piston) complete	1	220300
4 ´	striking weight (piston) complete	1	220301
5	striking weight (piston)	1	220302
5 ´	striking weight (piston)	1	220303
6	piston ring	8	220202
7	catch piston ring	1	220304



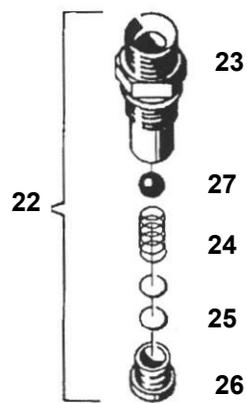
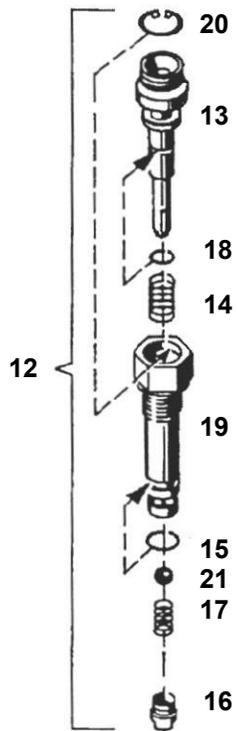
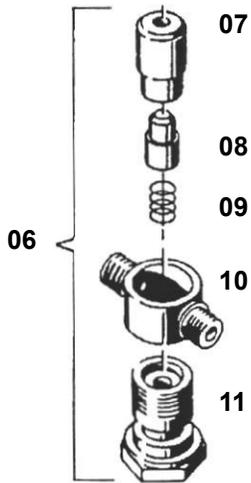
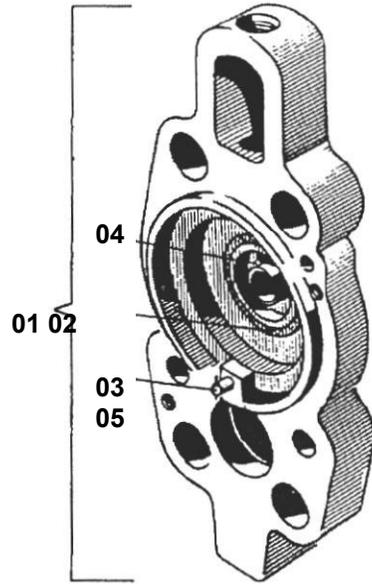
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No.	Description	Q. ty	Parts – no.
—	fuel injection device	1	220400
—	fuel injection device	1	220401
1	variable-delivery fuel pump	1	220402
1	variable-delivery fuel pump	1	220403
2	injection valve complete	4	220404
3	injection valve body 20°	4	220405
4	spring washer	4	64461
5	locking plate	8	64460
6	valve piston	4	63843
7	pressure spring 15.4×32.8×1.6	4	97569
8	adjusting washer	8	97573
9	threaded pipe joint complete	4	97038
10	threaded pipe joint	4	210404
11	round sealing ring 17×1.5	8	97258
12	hollow screw	4	210405
13	dowel pin 21×28	8	95633
14	sealing	4	45647
15	high pressure hose 0.36m long	4	220407
16	high pressure hose 1.16m long	2	220406
17	T-piece	2	210408
18	plate	2	207020
19	plate	4	207019
20	hexagon screw M8×12	12	93412



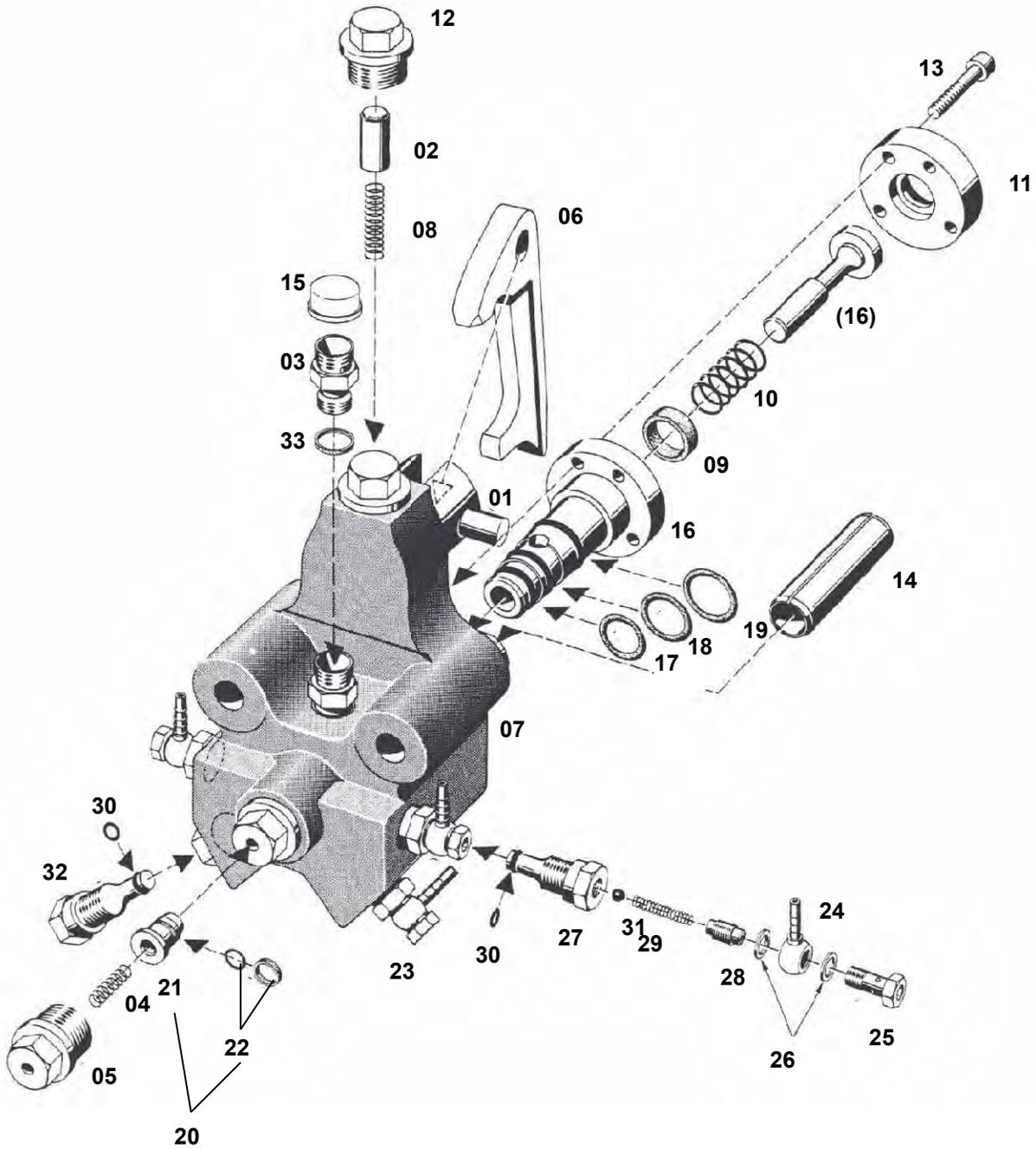
DH160 .04.01
DH180 .04.01

No.	Description	Q. ty	Parts – no.
—	variable-delivery fuel pump	1	220402
	variable-delivery fuel pump	1	220403
1	sealing ring A18×22 plug	2	90002
2	screw M18×1.5 pressure piece	2	93055
3	complete push cap adjusting	1	62125
4	washer 8.2×19.8×0.3 adjusting	1	62124
5.1	washer 8.2×19.8×0.5 adjusting	1	97332
5.2	washer 8.2×19.8×0.6 adjusting	1	97333
5.3	washer 8.2×19.8×0.4 push rod	1	97334
5.4	pressure spring 14.5×34×1	1	97348
6	dowel pin 6×40 screen pin	1	62126
7	pressure spring 5.5×20×1.2	1	22046
8	round sealing ring 22×3 cam	1	90150
9		1	22049
10		1	22044
11		1	91296
12		1	22052
13	cam spring	1	22051
14	pin pump	1	22245
15	lever swivel	1	22043
16	spring	1	210409
17		1	22062
18	round sealing ring 48.7×2.65	1	210410
19	pressure spring 28×67.2×3.5	1	22060
20	spring retaining collar conical	1	22058
21	ring 2 pieces guide sleeve	1	22059
22	holder ring dowel pin 28×80	1	43287
23	sealing ring A25×30 locking	1	210411
24	screw M8×50 protecting cap	4	94315
25	switch shaft	1	210412
26		1	93456
27		2	210413
28		1	43308
29	pump element complete diameter 45mm	1	220409
29	pump element complete diameter 48mm	1	220410
30	round sealing ring 56×2.65	1	210416
31	round sealing ring 60×2.65	1	210417
32	round sealing ring 56×2.65	1	210416
33	rope disc complete pump body	1	22040
34	complete dowel pin 6×28	1	210419
35	dowel pin 5×40 regulation rope	1	90137
36	pump cover complete page 12	1	90155
37		2	17546
38		1	210420
39	check-non-return valve complete page 12	1	60827
40	suction valve complete page 12 stop	1	210421
41	valve complete page 12	1	210422



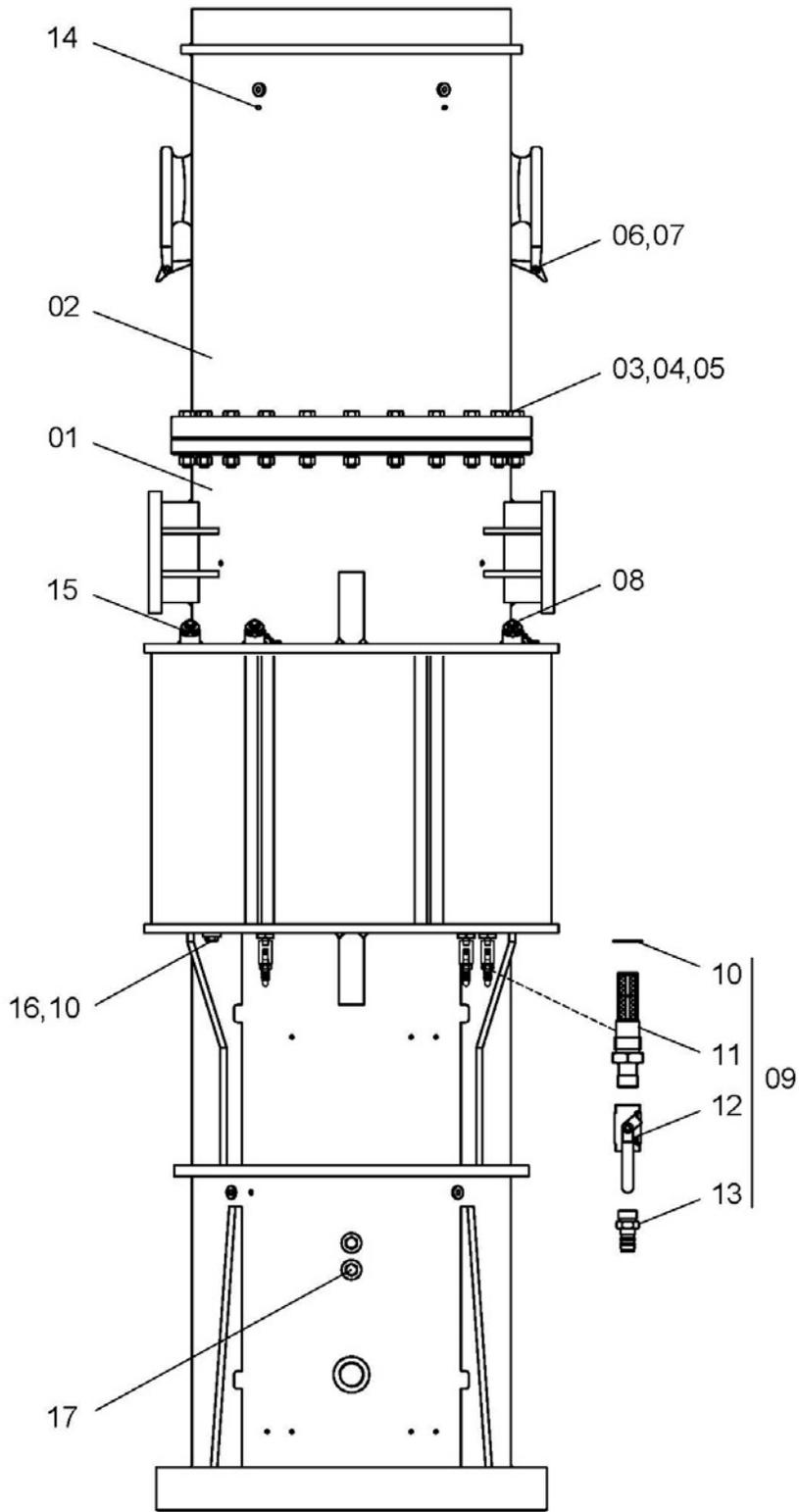
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No.	Description	Q. ty	Parts – no.
1	pump cover complete	1	210420
2	ring	1	22050
3	stop	1	22796
4	stop pin	1	43307
5	dowel pin 10×32	1	90231
6	check-non-return valve complete	1	60827
7	housing	1	43297
8	valve piston	1	43299
9	pressure spring	1	22034
10	ring type nipple	1	60195
11	screw	1	60194
12	stop valve complete	1	210422
13	valve piston	1	210423
14	pressure spring $\Phi 18.8 \times 2 \times 30$	1	210424
15	round sealing ring 18×2.65	1	210425
16	threaded plug	1	210426
17	pressure spring $12 \times 1.2 \times 19.5$	1	210427
18	round sealing ring 15×2.65	1	210428
19	valve screw	1	210429
20	circlip 25×1.2	1	210430
21	Ball $\Phi 12.7 \text{mm}$	1	210431
22	suction valve complete	1	210421
23	sleeve	1	210432
24	pressure spring $7.3 \times 8 \times 0.7$	1	22022
25	washer	2	22023
26	threaded plug	1	41862
27	ball $\Phi 8.731 \text{mm}$	1	98511



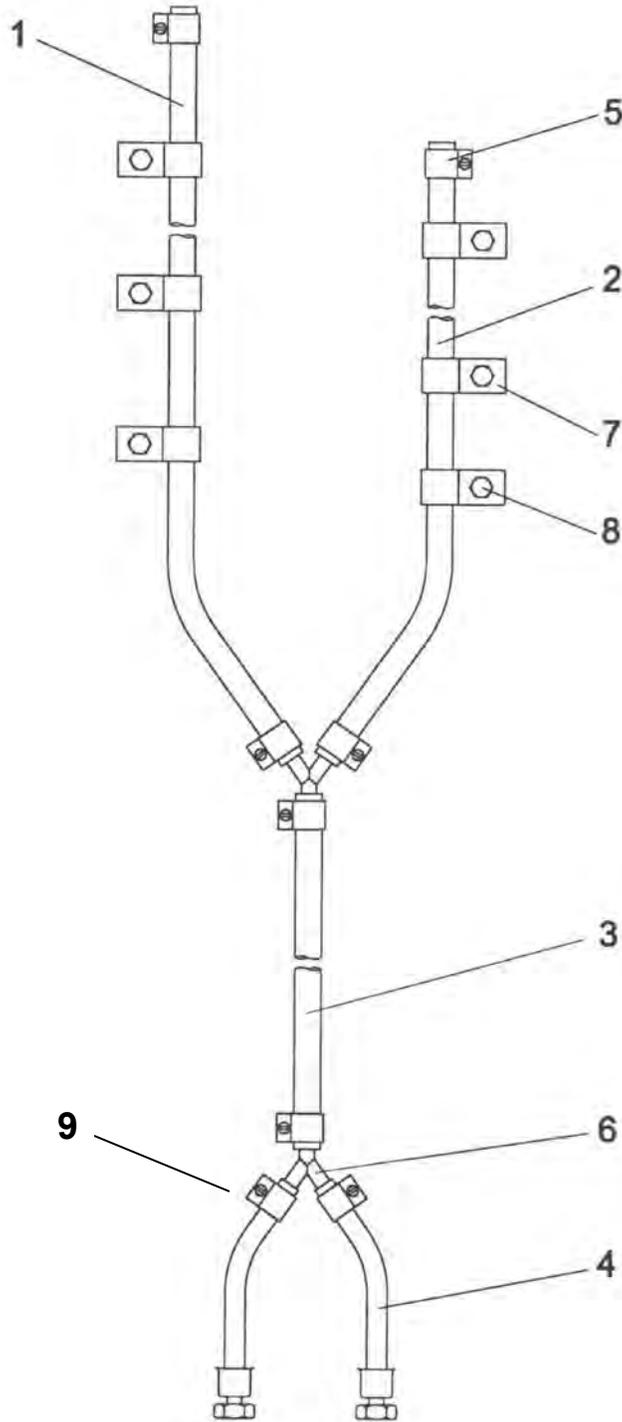
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No.	Description	Q. ty	Parts – no.
—	lube pump complete	2	108325
1	pin	2	22082
2	sleeve	2	22090
3	adaptor(tube to thread)	2	67290
4	pressure spring 7.3×29.4×1.2	2	190479
5	plug screw	2	108328
6	pump lever	2	22081
7	pump body	2	108315
8	pressure spring 10×43×2	2	22089
9	ring	2	67283
10	pressure spring 22×52×2.8	2	97325
11	washer	2	67282
12	plug screw	2	91976
13	screw M8×35	8	90937
14	dowel pin 28×80	4	94315
15	protecting cap	2	93236
16	cylinder complete	2	67279
17	round sealing ring 24×3	2	205020
18	round sealing ring 26×3	2	91357
19	round sealing ring 30×3	2	92952
20	piston complete	2	67284
21	piston	2	67285
22	ring sliding ring with O-ring	2	97326
23	pressure valve complete	6	108317
24	ring type nipple	6	97949
25	hollow screw	6	97948
26	sealing ring A12×15.5	12	91417
27	adaptor(tube to thread)	6	108319
28	plug screw	6	104679
29	pressure spring 5×36×0.8	6	190005
30	round sealing ring 8×2	8	97855
31	ball Φ6	6	90307
32	plug screw	2	108316
33	sealing ring A20×24	2	92031



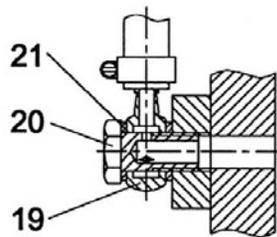
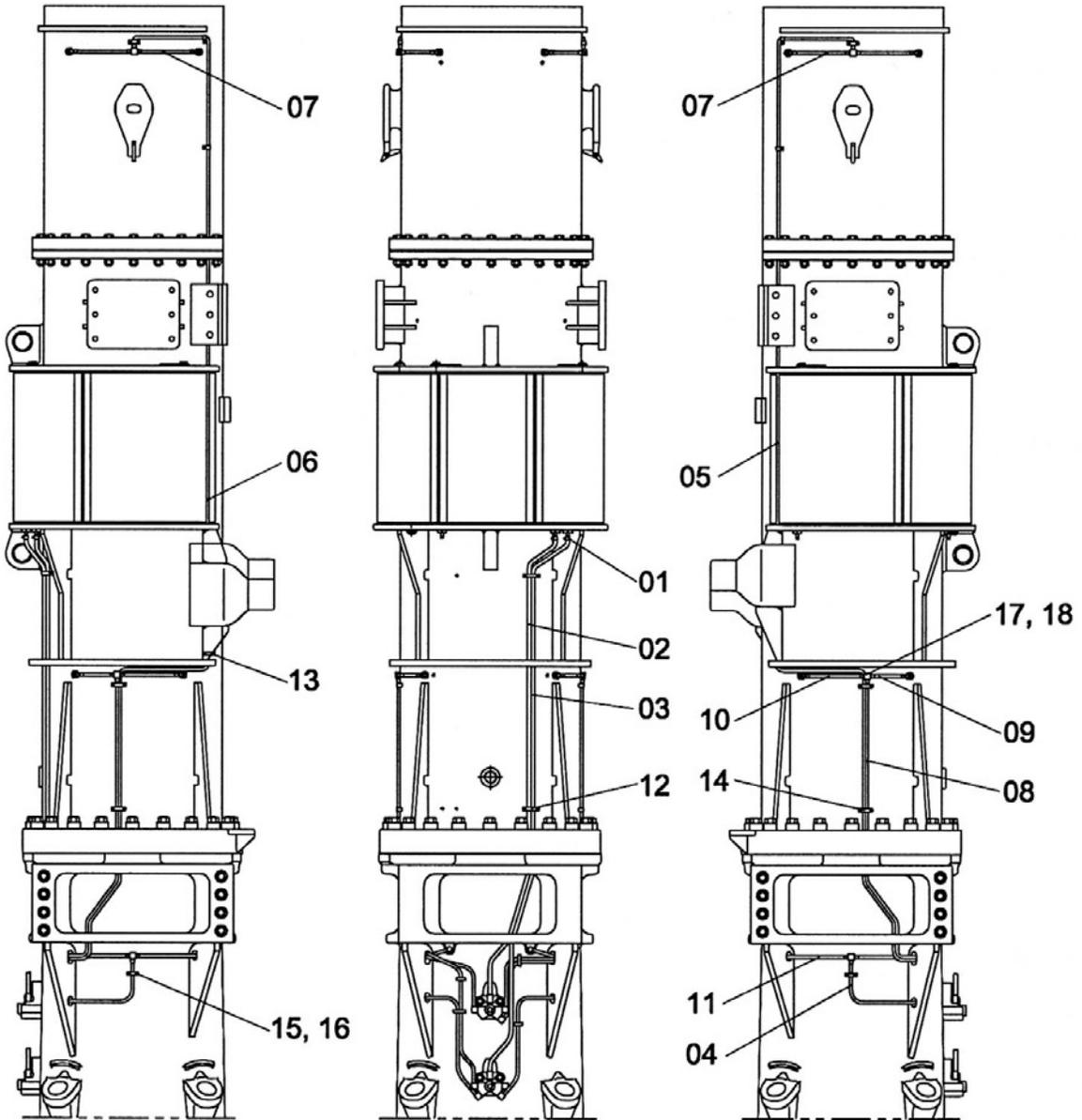
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No.	Description	Q. ty	Parts – no.
–	cylinder upper part complete	1	220600
1	cylinder upper	1	220601
2	upper end ring L=1200mm	1	220602
3	hexagon screw M30×140	24	220603
4	hexagon nut M30	24	220604
5	washer 30	48	220605
6	ratchet	2	220610
7	dowel pin 13×60	2	206010
8	plug screw complete	3	17186
9	filter assembly	4	220606
10	round sealing ring 36×1.5	5	210607
11	filter elbow	4	220607
12	ball valves 3/4"	4	220608
13	screwed joint	4	220609
14	grease nipple M10×1	6	90791
15	screw plug M42×3	1	210608
16	screw plug M36×1.5	1	220611
17	screw plug M30×1.5	2	205052



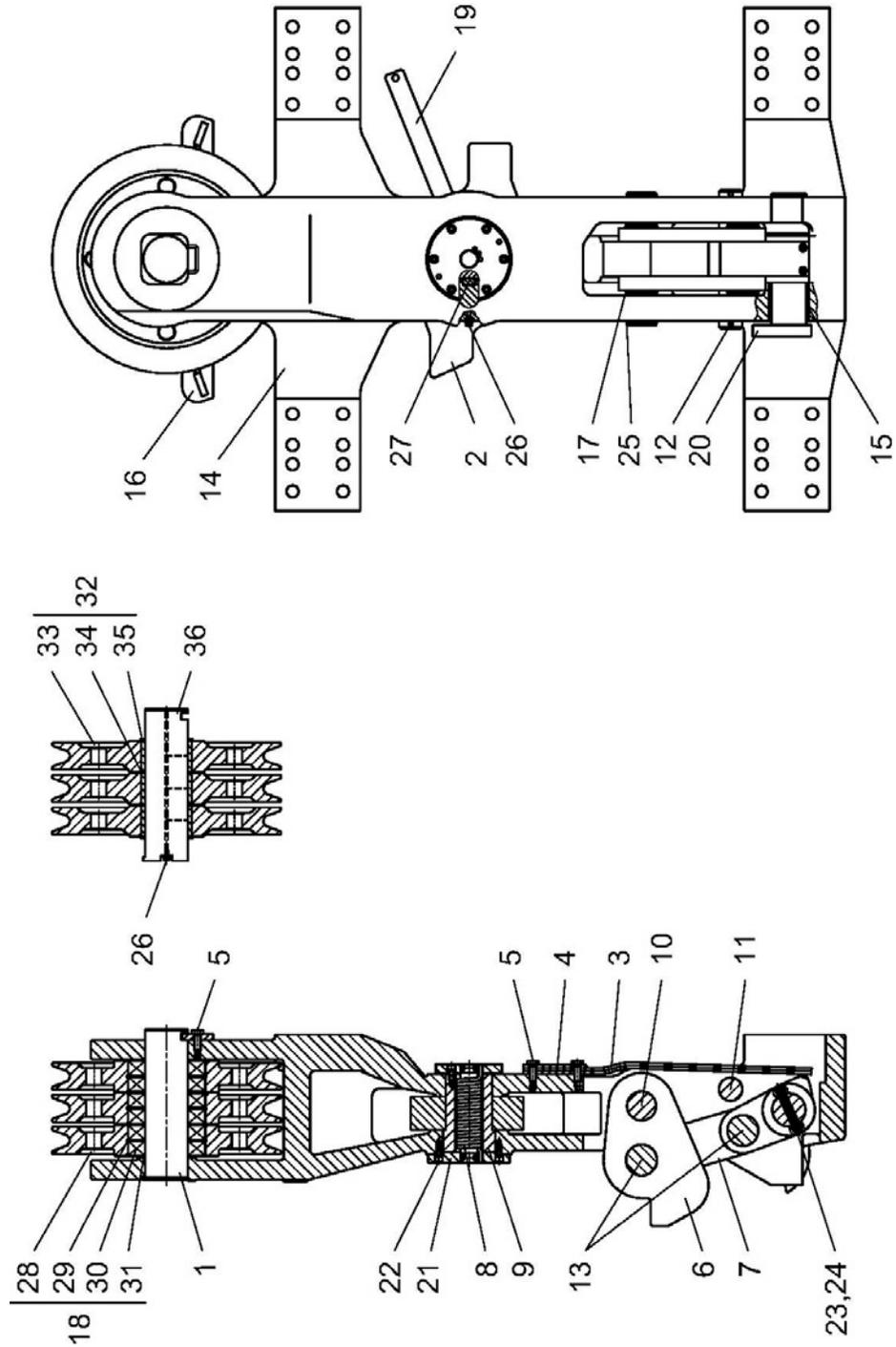
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No.	Description	Q. ty	Parts – no.
—	fuel line/breather line complete		220700
1	hose 3.3m long	1	220701
2	hose 2.6m long	1	220702
3	hose 0.72m long	1	220703
4	hose 0.28m long	1	210706
5	hose clip 5/8"-1"	8	94299
6	Y-piece	2	99019
7	clip	6	210705
8	hexagon screw M8×12	6	93412
9	hose 0.36m long	1	210707



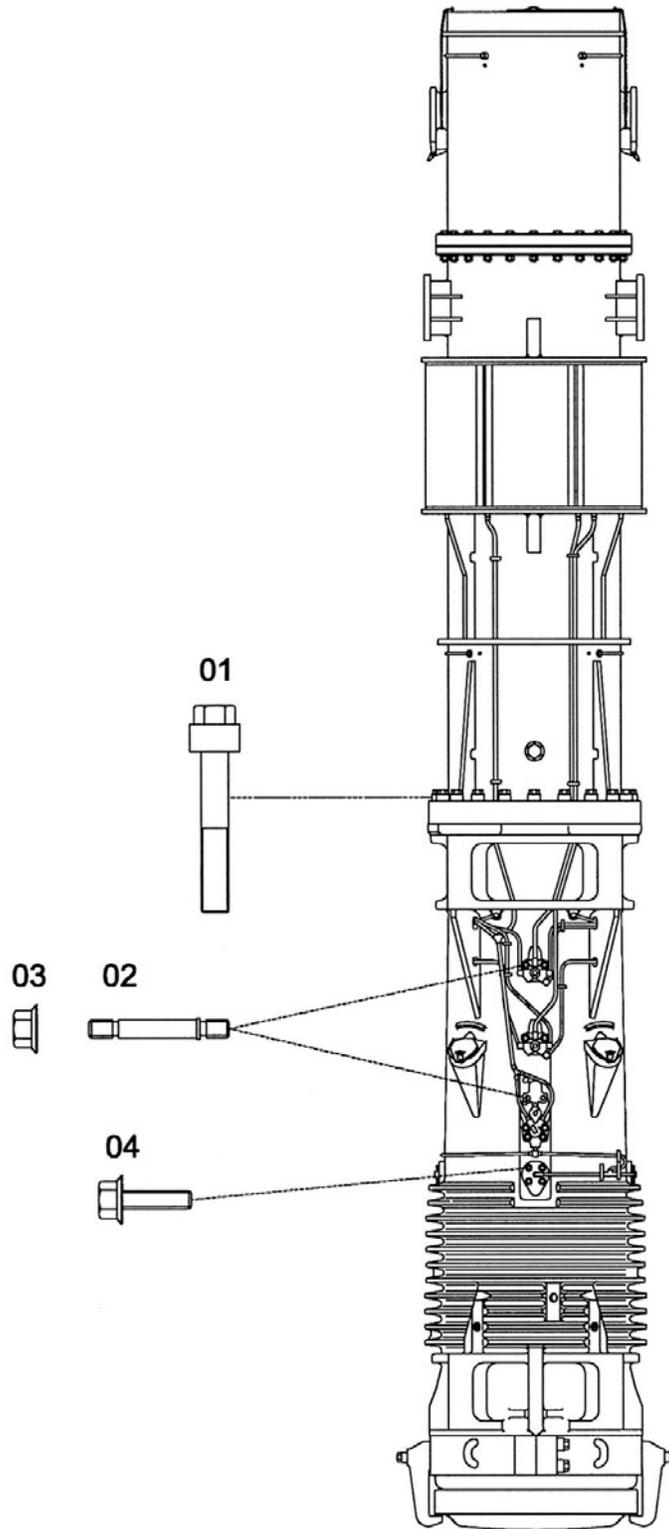
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No.	Description	Q. ty	Parts – no.
—	lube line with connecting	1	220800
1	hose clip 5/8"-1"	2	94299
2	hose 3.6m long	1	210801
3	hose 3.8m long	1	220802
4	hose 1.2m long	2	220803
5	hose 7m long	1	220804
6	hose 7.6m long	1	220805
7	hose 0.45m long	4	220806
8	hose 2.4m long	2	220807
9	hose 0.35m long	2	220808
10	hose 0.4m long	2	220809
11	hose 0.6m long	4	220810
12	clip	3	41965
13	clip	10	41982
14	clip	5	43478
15	clip	6	2932
16	locking screw M8×12	38	93412
17	T—piece	6	94522
18	hose clip 7/16"-5/8"	36	95115
19	ring type nipple	12	97949
20	hollow screw	12	97948
21	sealing ring A12×15.5	24	91417



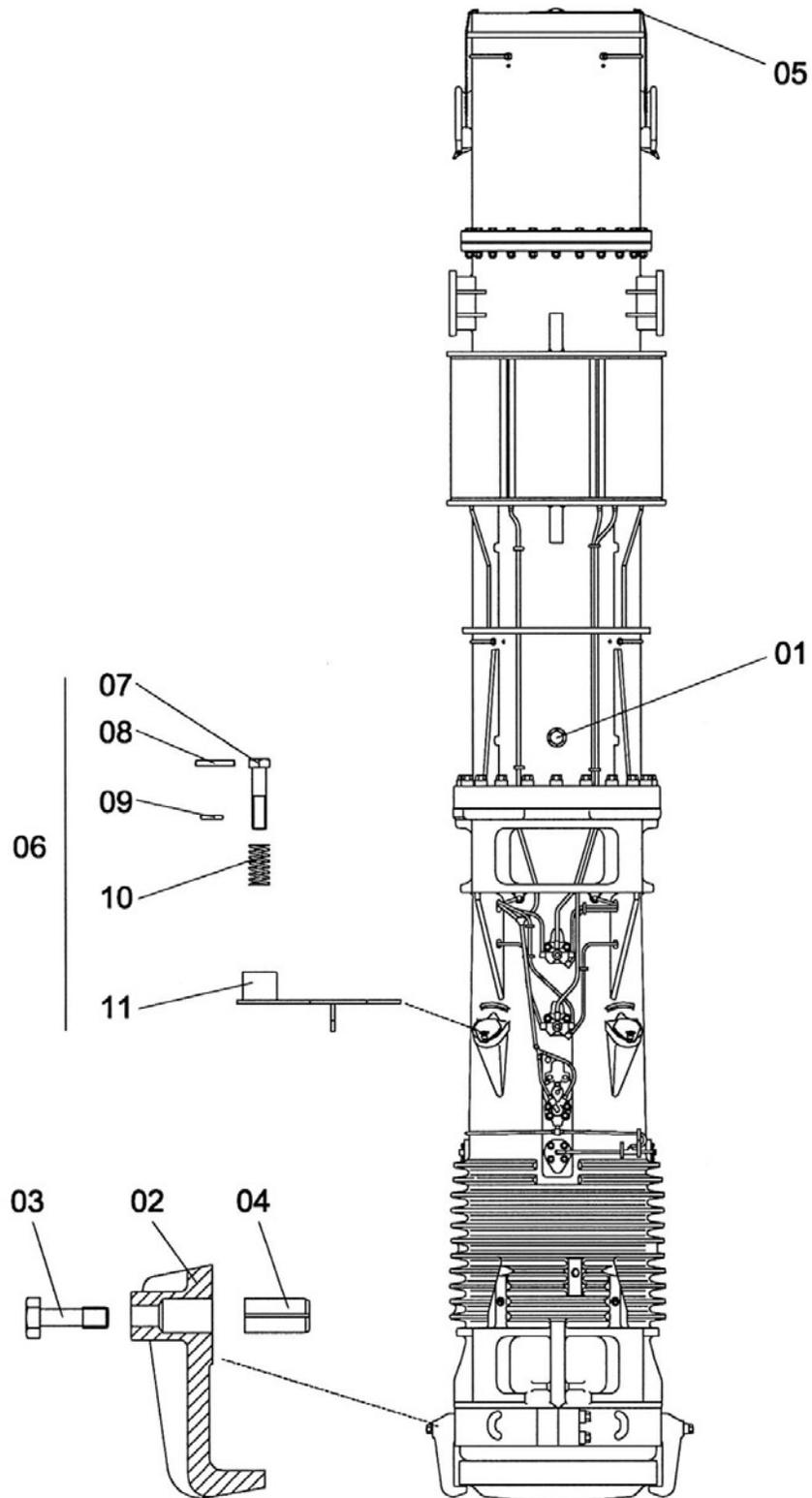
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No.	Description	Q ty	Parts – no.
–	trip gear complete	1	220900
1	sheave pin	1	220901
2	carrier	1	220902
3	leaf spring	2	220903
4	plate	1	220904
5	lock screw M16×55	6	220930
6	pawl	1	220905
7	shackle	2	220906
8	torsion spring	1	41851
9	shaft	1	220907
10	shaft	1	220908
11	joint bole	1	220909
12	split pin 10×120	2	220910
13	shaft	2	220911
14	guide body	1	220912
15	sleeve	2	220913
16	rope guard	1	220914
17	circlip 80×2.5	4	220915
18	rope pulley complete	3	220916
19	lever	1	220917
20	pawl lever	1	220918
21	Flange complete	1	220919
22	cylinder screw M12×30	12	91395
23	dowel pin 20×130	2	220920
24	dowel pin 12×130	2	220921
25	circlip 75×2.5	2	220922
26	grease nipple M10×1	2(3)	90791
27	key 32×80	1	220923
28	rope pulley	3	220931
29	circlip 200×3	3	210903
30	bearing 6222-Z	6	210904
31	circlip	4	220924
32	rope pulley complete	3	220925
33	rope pulley	3	220926
34	sleeve	3	220928
35	circlip	4	220927
36	sheave pin	1	220932



DH160.10.00

No.	Parts – no.	Description	Q. ty	Order-no.
—		set connecting parts	1	221000
		for cylinder upper part		
		with cylinder lower part:		
1		reduced screw M36×210	18	20038
1'		reduced screw M36×170	2	221001
		for variable-delivery fuel pump		
		with cylinder lower part:		
2		stud bolt M16	6	20189
3		locking nut M16	6	94722
		for lube pump with		
		cylinder lower part:		
2		stud bolt M16	4	20189
3		locking nut M16	4	94722
		for injection vale with		
		cylinder lower part:		
4		reduced screw M16×45	16	95639



DH160.11.00

No.	Description	Q. ty	Parts – no.
—	transport protecting complete	1	221100
1	locking screw M64	1	221101
2	securing clamp	2	221102
3	screw M36×160	2	221103
4	dowel pin 50×80	2	94281
5	protecting cap	1	221104
6	exhaust cover complete	4	206007
7	screw complete	4	20076
8	dowel pin 5×50	4	90661
9	dowel pin 3×20	4	91444
10	pressure spring	4	20082
11	cover complete	4	206008

No.	Description	Q. ty	Parts – no.
—	tool box complete	1	221400
1	tool book	1	90890
2	piston ring fitting band complete	1	221401
3	piston ring fitting pliers complete	1	211402
4	assembly plate complete	2	22700
5	punch $\Phi 4$	1	90354
6	punch $\Phi 8$	1	205048
7	punch $\Phi 12$	1	93349
8	punch $\Phi 16$	1	205049
9	grease nipple M10×1	4	90791
10	ratchet spanner	1	90196
11	bar 525×20	1	205014
12	ring screw M64 ring	1	211403
12'	screw M72×6 dowel	1	221402
13	pin $\Phi 12 \times 130$ dowel	2	220921
14	pin $\Phi 20 \times 130$	2	220920
15	double ended open spanner 19×22	1	90443
16	double ended open spanner 30×32	1	90655
17	single ended open spanner 17	1	95071
18	single ended open spanner 27	1	90465
19	single ended open spanner 46	1	90184
20	single ended open spanner 55	1	261510
21	double ended ring spanner 13×15	1	261512
22	double ended ring spanner 22×24	1	95834
23	spanner 375×46	1	93352
24	socket wrench SW22	1	90197
25	socket wrench SW46	1	90199
26	single ended open spanner 3/4	1	205017
27	angled screw driver 5 angled	1	90055
28	screw driver 6 angled screw	1	90862
29	driver 8 angled screw driver 10	1	90657
30	angled screw driver 14 angled	1	90469
31	screw driver 19 regulation rope	1	90079
32	$\Phi 8 \times 90$ pliers 7"	1	90194
33		2	205018
34		1	90785
35	Grease gun	1	90795
36	oil feeder	1	93600
37	604 sealant 0.3kg	1	205019