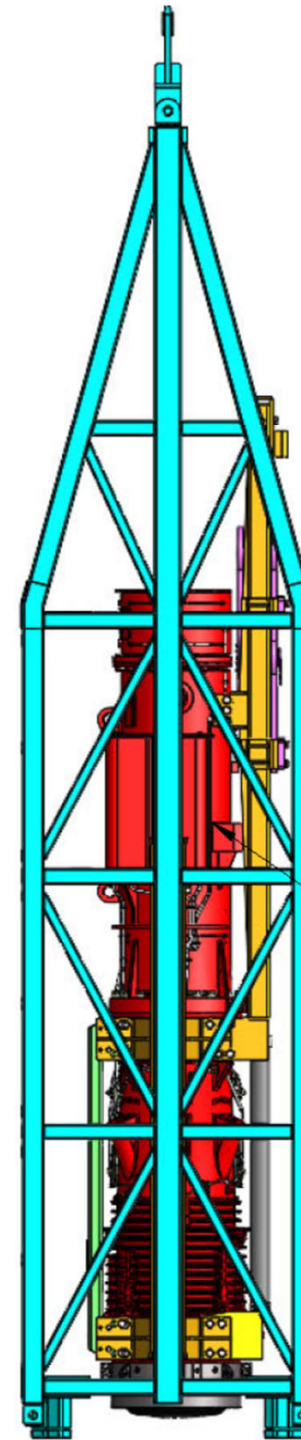
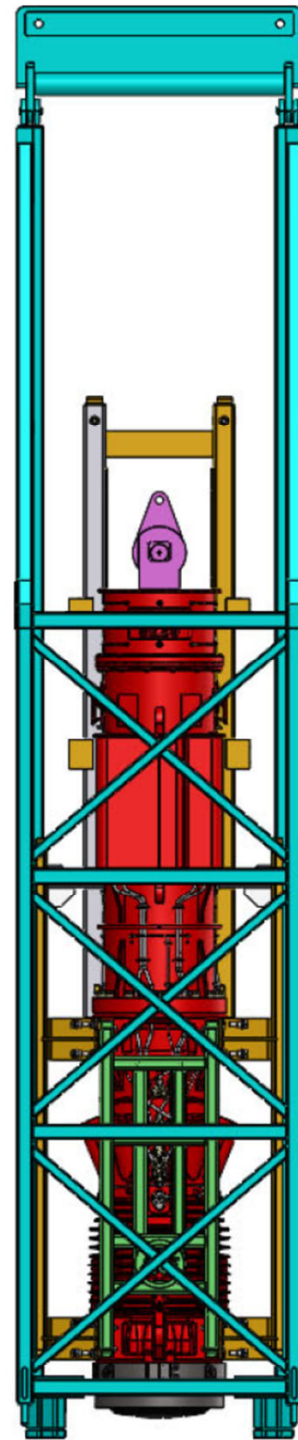


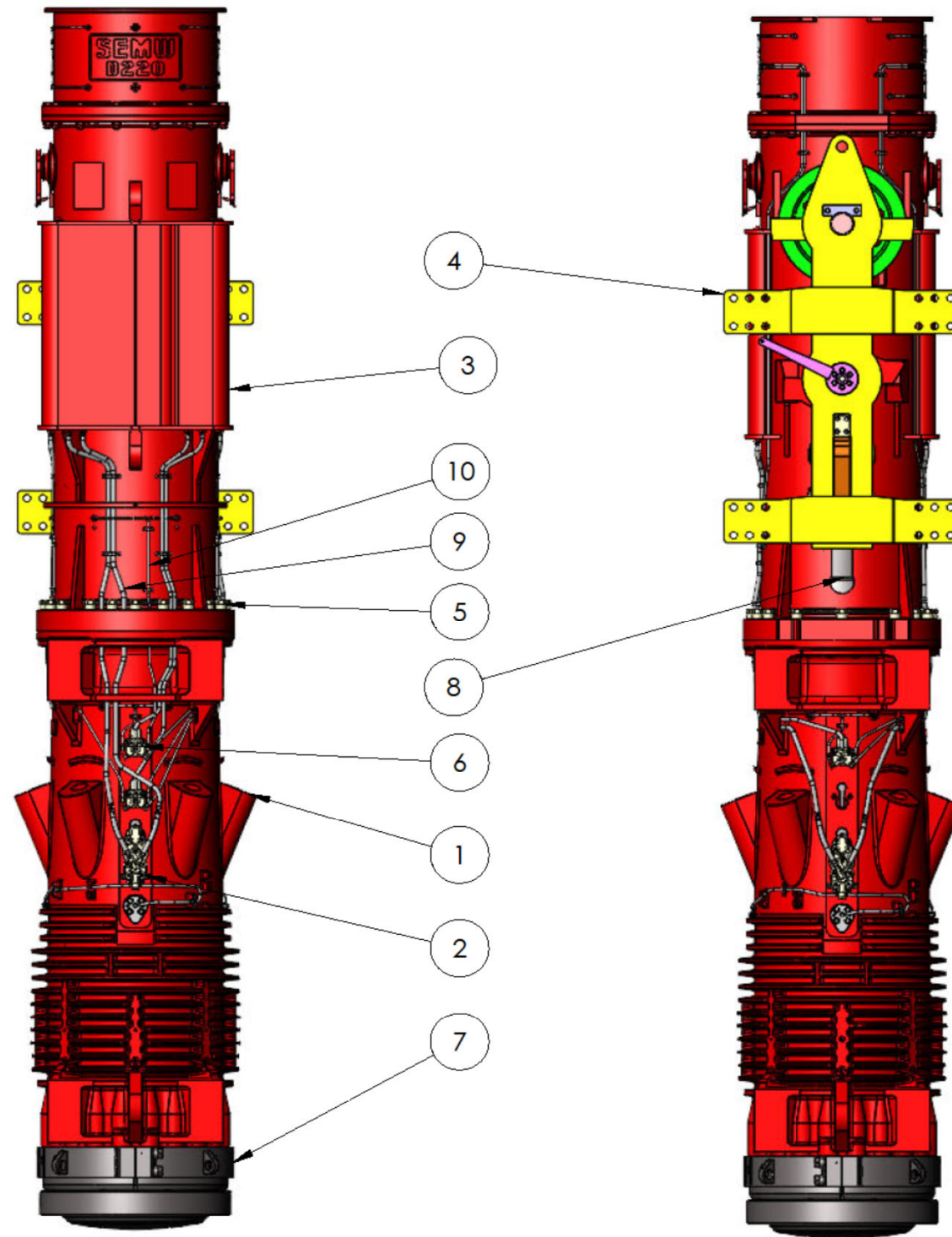
D220 HAMMER PARTS MANUAL

AMERICAN PILEDIVING EQUIPMENT



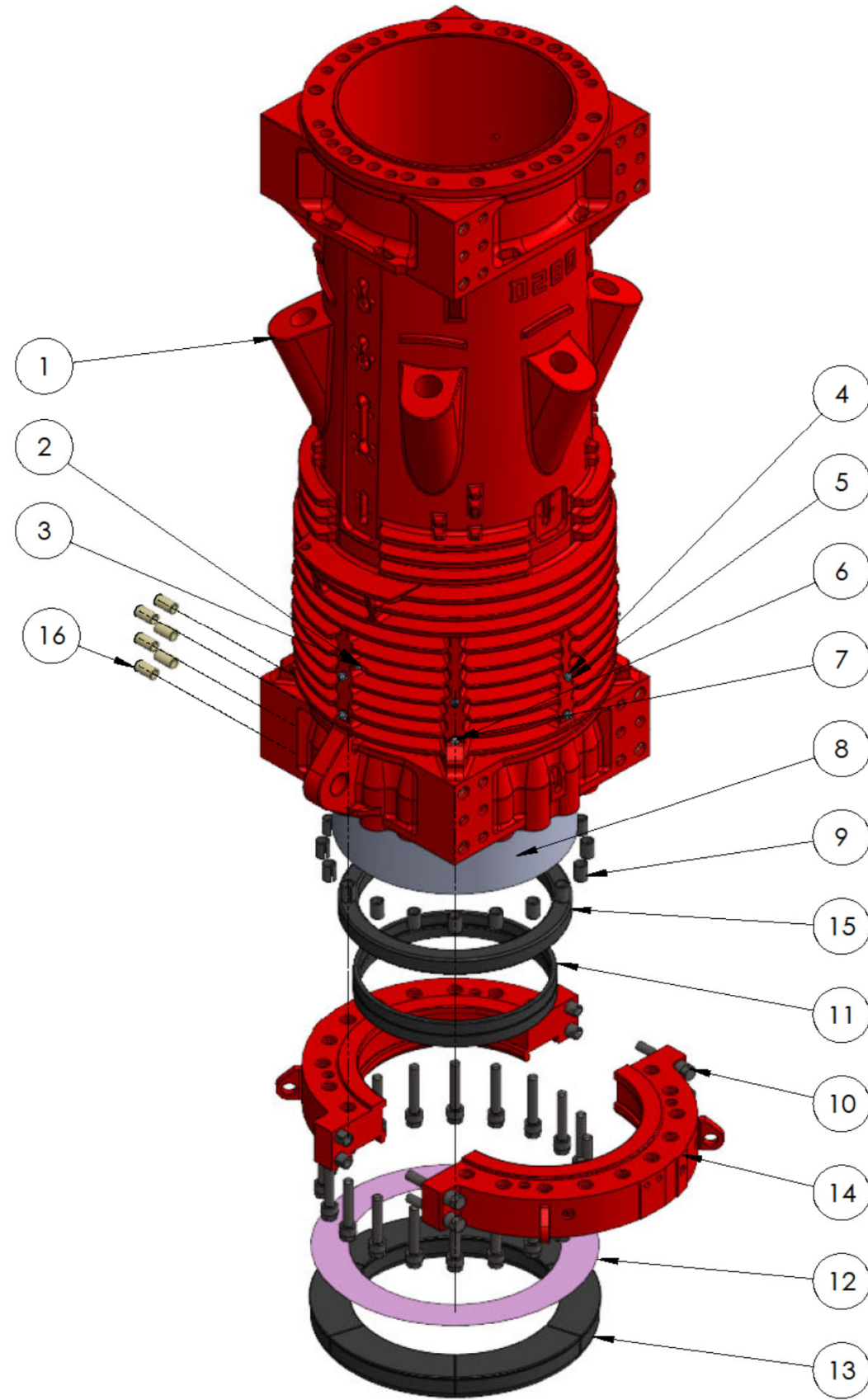
2000985-D220 SETUP

2000477 Double 10x84 Sq w_Bale



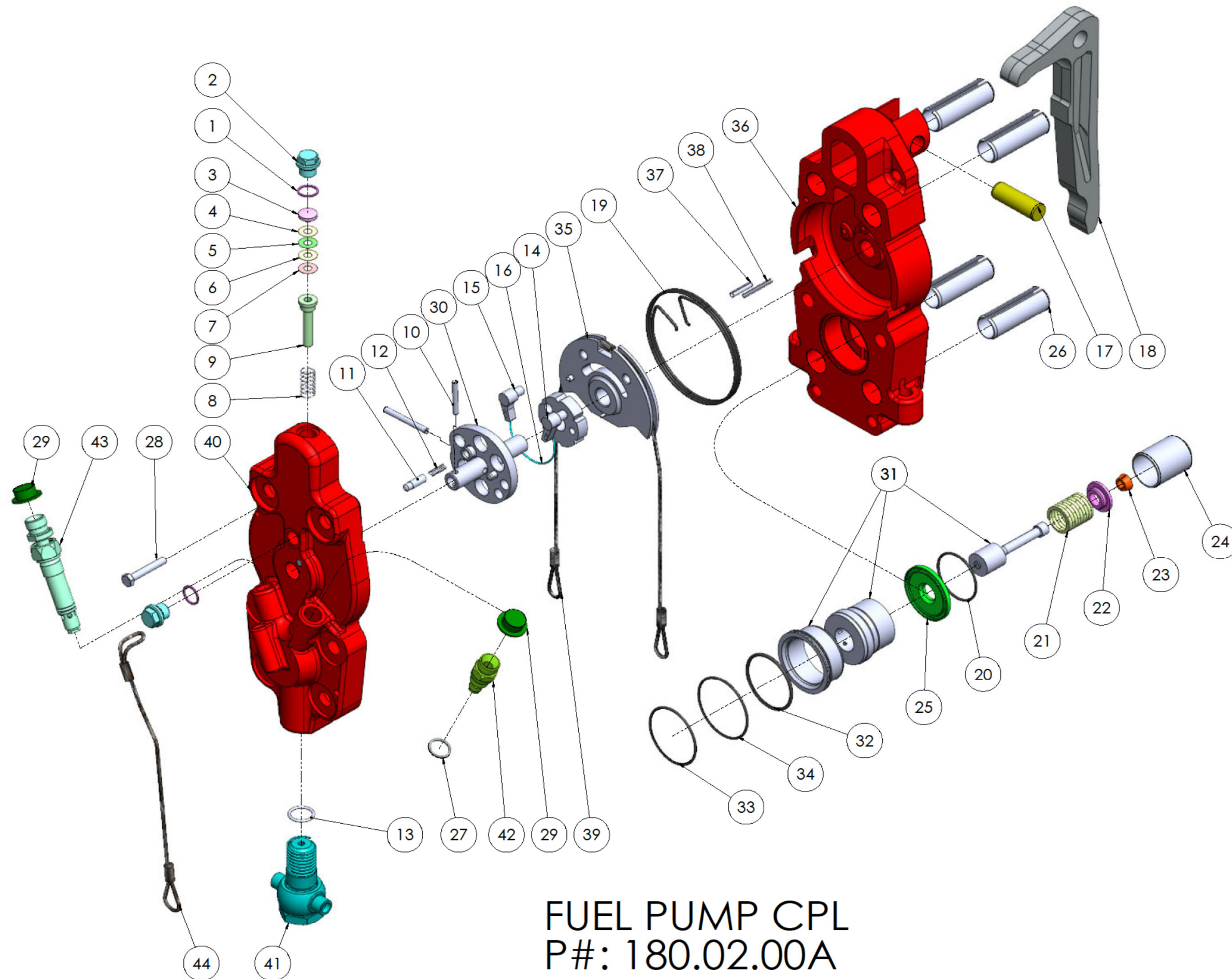
D220 HAMMER
P#: 195.00

ITEM NO.	PARTNO	DESCRIPTION	QTY.
1	195.01	LOWER CYLINDER CPL	1
2	180.02.00A	VARIABLE-DELIVERY FUEL PUMP CPL	2
3	195.03	UPPER CYLINDER CPL	1
4	195.05.00	TRIP SLED CPL	1
5	195.06	CONNECTING BOLTS CPL	1
6	190.07.00	LUBE PUMP	3
7	195.08	LOWER PISTON CPL	1
8	195.09	UPPER PISTON CPL	1
9	195.11	FUEL LINE	1
10	195.12	LUBE LINE	1



ITEM NO.	PARTNO	DESCRIPTION	SIZE	QTY.
1	195.01.01A	LOWER CYLINDER		1
2	GB/T1000-1977	PLUG SCREW	M18X1.5	1
3	135.01.00-2	SEALING RING	A18X22	1
4	135.01.01-2	REDUCER		12
5	135.01.02.02A	GREASE NIPPLE	M10X1	12
6	GB77-85	SCREW	M20 X 20	4
7	GB120-86	PIN	B16X120	2
8	195.01.01-2	CYLINDER SLEEVE		2
9	195.01.01-4	DOWEL PIN		24
10	195.01-2	REDUCED SCREW	M42 X 230	24
11	195.01.02-1	RING 2 PIECE		2
12	195.01-5	SEALING RING		1
13	195.01-1	RUBBER RING		6
14	195.01.02.01	CYLINDER END RING 2 PIECE CPL		1
15	195-1	INNER DAMPING RING		1
16	195.01.01-3	THREADED INSERT	M42 X 90	48

LOWER CYLINDER CPL(D220)
P#: 195.01



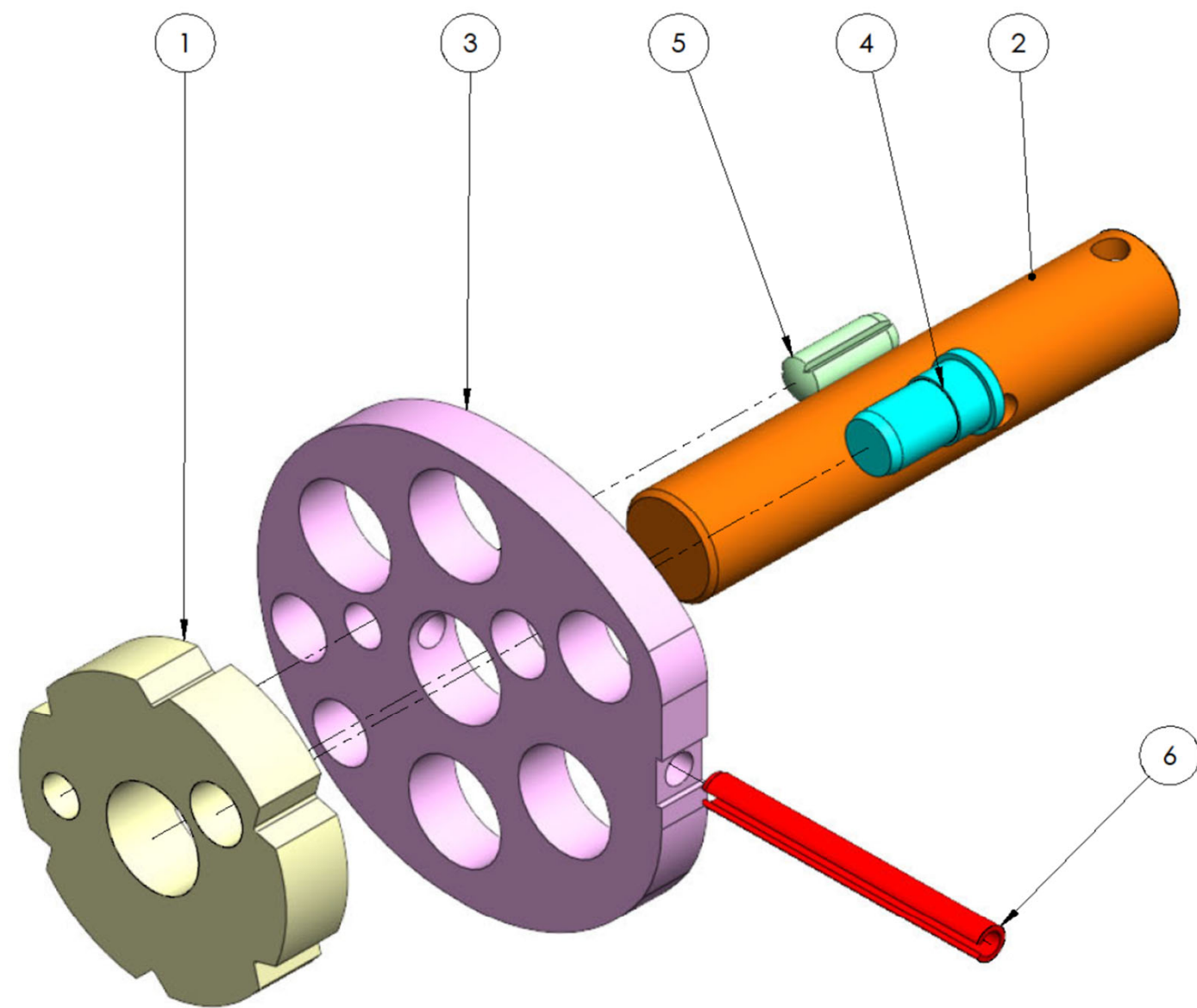
FUEL PUMP CPL
P#: 180.02.00A

ITEM NO.	PARTNO	DESCRIPTION	SIZE	QTY.
1	135.02.00-1	SEALING RING	A18 X 22	2
2	JB1001-77	PLUG SCREW	M18 X 1.5	2
3	135.02.00-3	PUSH CAP		1
4	135.02.00-4	ADJUSTING WASHER	19.8 X 8.2 X 0.3	1
5	135.02.00-5	ADJUSTING WASHER	19.8 X 8.2 X 0.4	1
6	135.02.00-6	ADJUSTING WASHER	19.8 X 8.2 X 0.5	1
7	135.02.00-7	ADJUSTING WASHER	19.8 X 8.2 X 0.6	1
8	135.02.00-8	PRESSURE SPRING		1
9	135.02.00-9	PUSH ROD		1
10	GB/T879-1986	DOWEL PIN	6 X 40	1
11	135.02.00-10	SCREW PIN		1
12	135.02.00-11	PRESSURE SPRING	5.5 X 20 X 1.2	1
13	135.02.00-12	O-RING	22 X 3	1
14	135.02.00-13	CAM		1
15	135.02.00-14	CAM		1
16	135.02.00-15	SPRING		1
17	135.02.00-16	PIN	DIA 20 X 60	1
18	180.02.00-17B	PUMP LEVER		1
19	135.02.00-18	SWIVEL SPRING		1
20	2-137	O-RING		1
21	135.02.00-20	PRESSURE SPRING		1
22	180.02.00-21	SPRING RETAINING COLLAR		1
23	180.02.00-22	CONICAL RING		2
24	180.02.00-23	GUIDE SLEEVE	OD40 X ID36 X 52	1
25	180.02.00-24	HOLDER RING		1
26	135.02.00-25	DOWEL PIN	28 X 80	4
27	135.02.00-29	SEALING RING	A20 X 24	1
28	GB/T5782-1986	LOCKING SCREW	M8 X 50	1
29	135.02.00-31	PROTECTING CAP		2
30	135.02.01	SWITCH SHAFT COMPLETE		1
	135-02-01-1	SHEAVE		1
	135-02-01-2	SHAFT	20 X 102	1
	135-02-01-3	CAM		1
	135-02-01-4	SLEEVE		1
	135-02-01-5	SLOT PIN		1
	GB879-86	PIN	6 X 60	1
31	180.02.01	PUMP ELE. CPL FOR D220		1
	180.02.01-1	PLUNGER		1
	180.02.01.01-1	PLUNGER RING		1

	180.02.01.01-2	PLUNGER SLEEVE		1
32	2-229	O-RING	59.92 X 3.53	1
33	2-143	O-RING	61.60 X 2.62	1
34	2-146	O-RING	66.34 X 2.62	1
35	135.02.04	ROPE DISC COMPLETE		1
	135.02.04-1	ROPE DISC		1
	GB879-86	PIN	3 X 14	1
	GB879-86	PIN	6 X30	1
36	180.02.05B	PUMP BODY CPL		1
	180.02.05-1B	PUMP BODY		1
37	GB879-86	PIN	6 X 28	1
38	GB879-86	PIN	5 X 40	1
39	180.02.11	REGULATION ROPE		1
40	180.02.02A	PUMP COVER CPL		1
	180.02.02-1A	PUMP COVER		1
	135.02.02-2	CUSHION		1
	135.02.02-3	STOP PIN		1
	GB879-86	ROUND PIN	10 X 32	1
	135.02.02.01	STOP RING		1
	135.02.02.01-1	PIN		1
	135.02.02.01-2	ROUND BAR		1
41	135.02.06	CHECK NON-RETURN VALVE CPL		1
	135.02.06-1	VALVE HOLDER		1
	135.02.06-2	VALVE CORE		1
	135.02.06-3	SPRING		1
	135.02.06-4	CONNECTOR		1
	135.02.06-5	UNION JOINT		1
42	135.02.09	SUCTION VALVE CPL		1
	135.02.09-1	SLEEVE		1
	135.02.09-2	SPRING		1
	135.02.09-3	WASHER		2
	135.02.09-4	PLUG		1
	135.02.09-5	PLATE		2
	135.02.09-6	WASHER		3
	GB308-64	BALL	DIA8.731	1
43	180.02.10	STOP VALVE CPL		1
	180.02.10-1	VALVE ROD		1
	180.02.10-5	SPRING		2
	2-114	O-RING	15.54 X 2.62	1
	180.02.10-4	PLUG		1

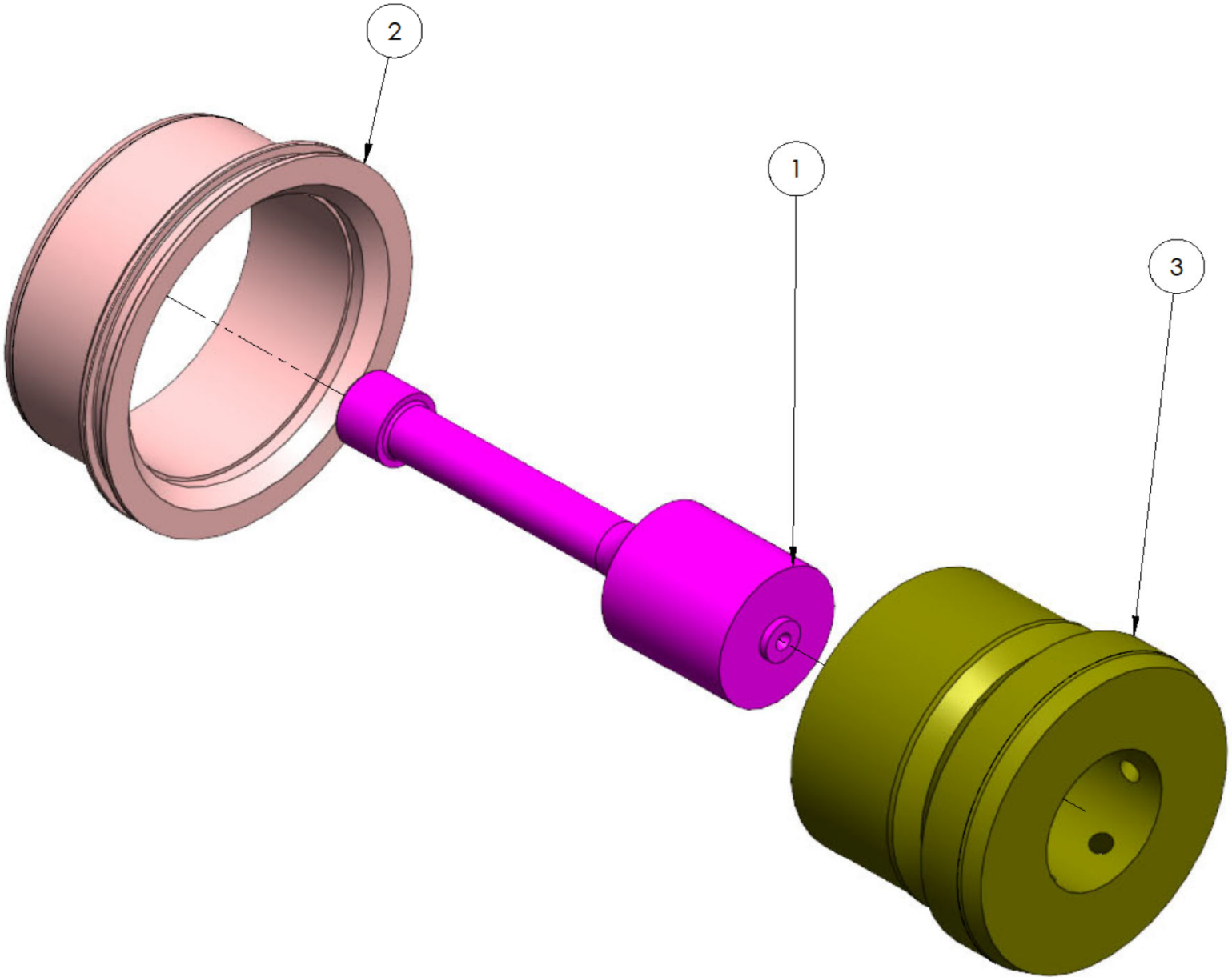
44	P12.5	O-RING	12.3 X 2.4	1
	180.02.10-7	VALVE BODY		1
	GB308-64	BALL	DIA 8.731	1
	GB893-86	SNAP RING	20 X 1	1
		WIRE ROPE		1

ITEM NO.	PARTNO	DESCRIPTION	SIZE	QTY.
1	135-02-01-1	SHEAVE		1
2	135-02-01-2	SHAFT	20 X 102	1
3	135-02-01-3	CAM		1
4	135-02-01-4	SLEEVE		1
5	135-02-01-5	SLOT PIN		1
6	GB879-86	PIN	6 X 60	1



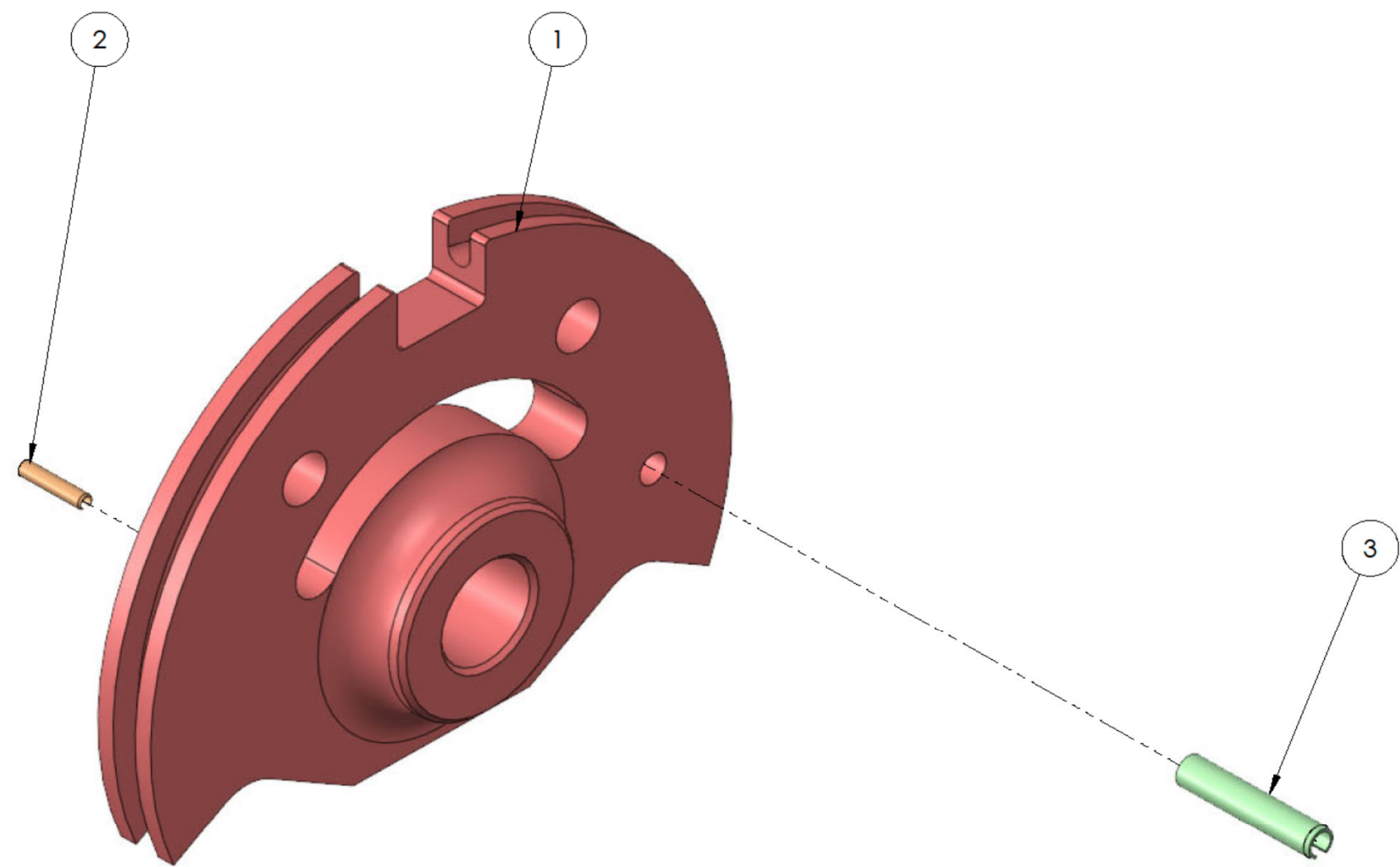
SWITCH SHAFT CPL
P#: 135.02.01

ITEM NO.	PARTNO	DESCRIPTION	QTY.
1	180.02.01-1	PLUNGER	1
2	180.02.01.01-1	PLUNGER RING	1
3	180.02.01.01-2	PLUNGER SLEEVE	1



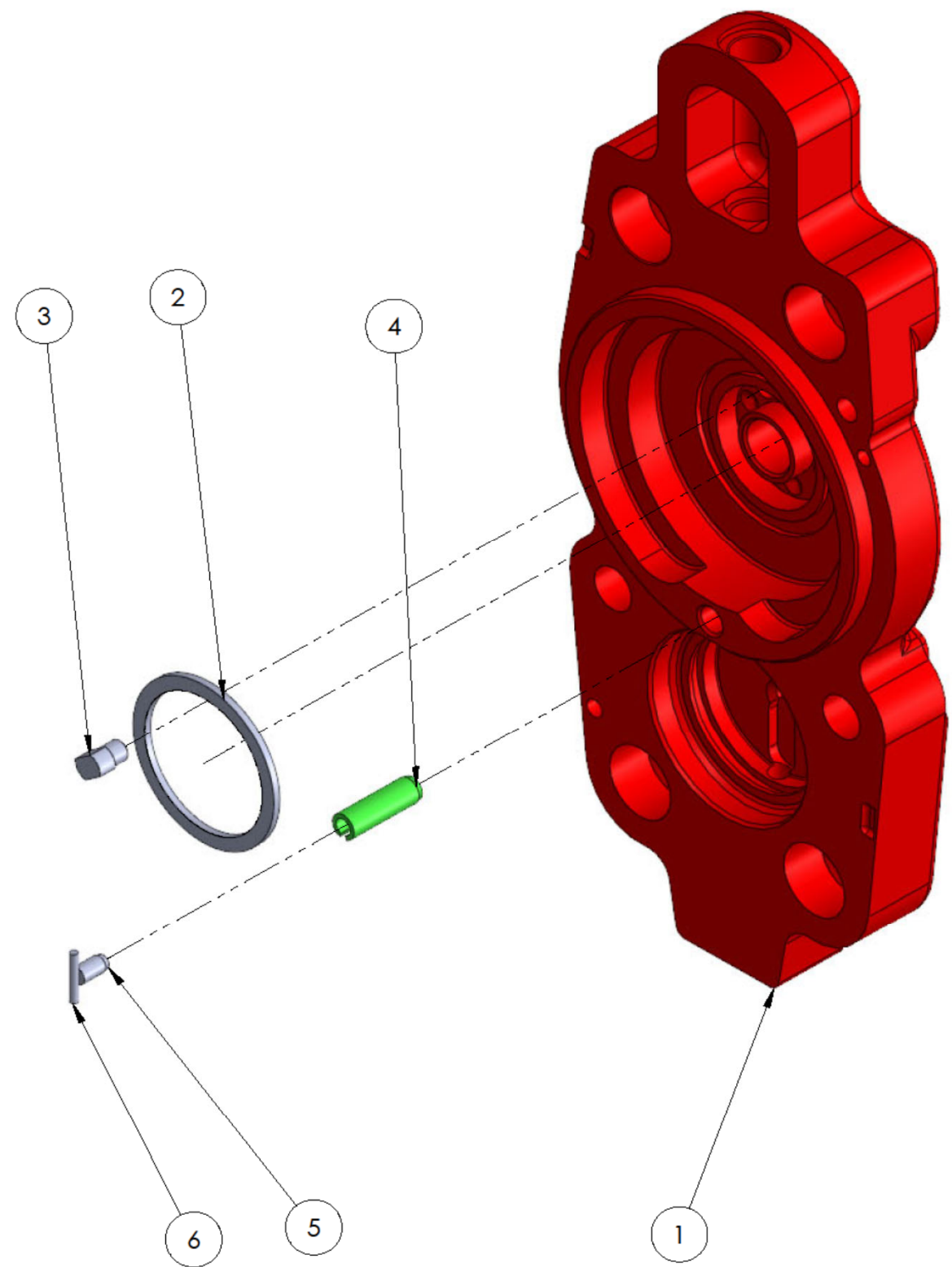
PUMP ELEMENT CPL (FOR D220)
P#: 180.02.01

ITEM NO.	PARTNO	DESCRIPTION	SIZE	QTY.
1	135.02.04-1	ROPE DISC		1
2	GB879-86	PIN	3 X 14	1
3	GB879-86	PIN	6 X 30	1



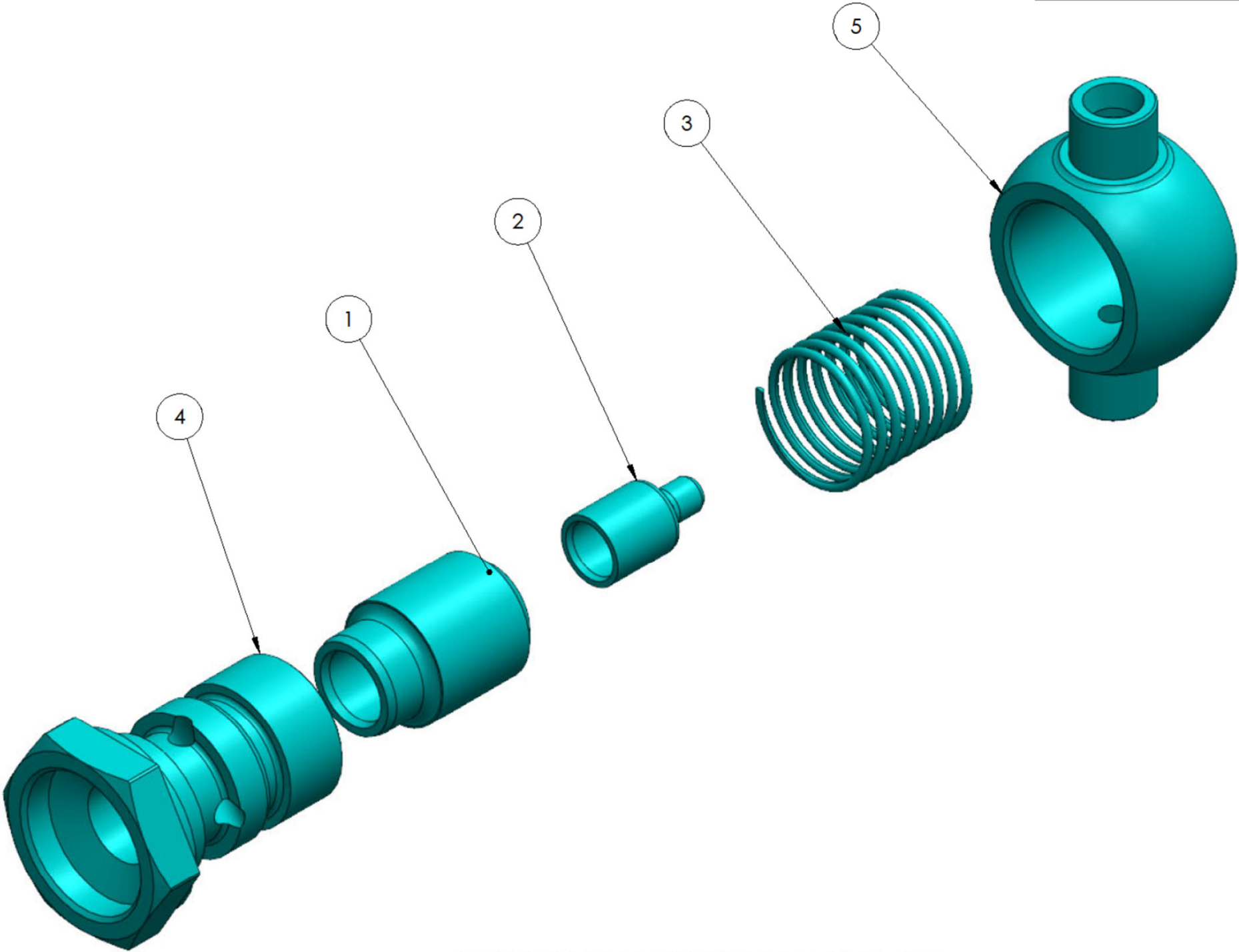
ROPE DISC CPL
P#: 135.02.04

BOM Table				
ITEM NO.	PARTNO	DESCRIPTION	SIZE	QTY.
1	180.02.02-1A	PUMP COVER		1
2	135.02.02-2	WASHER PLATE		1
3	135.02.02-3	STOP PIN		1
4	GB879-86	DOWEL PIN	10 X 32	1
5	135.02.02.01-1	PIN		1
6	135.02.02.01-2	ROUND BAR		1



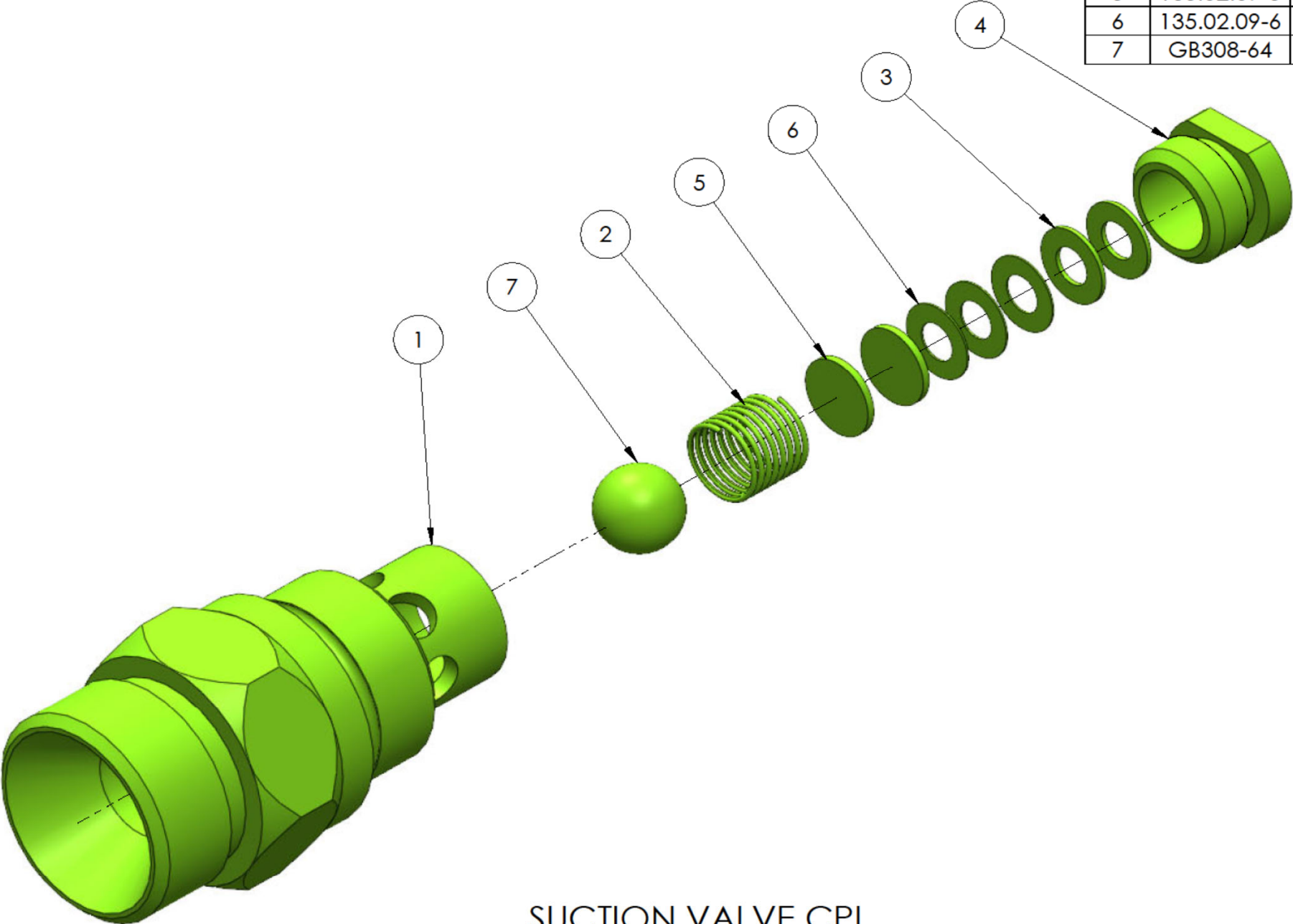
PUMP COVER CPL
P#:180.02.02A

ITEM NO.	PARTNO	DESCRIPTION	QTY.
1	135.02.06-1	VALVE HOLDER	1
2	135.02.06-2	VALVE CORE	1
3	135.02.06-3	SPRING	1
4	135.02.06-4	CONNECTOR	1
5	135.02.06-5	UNION JOINT	1



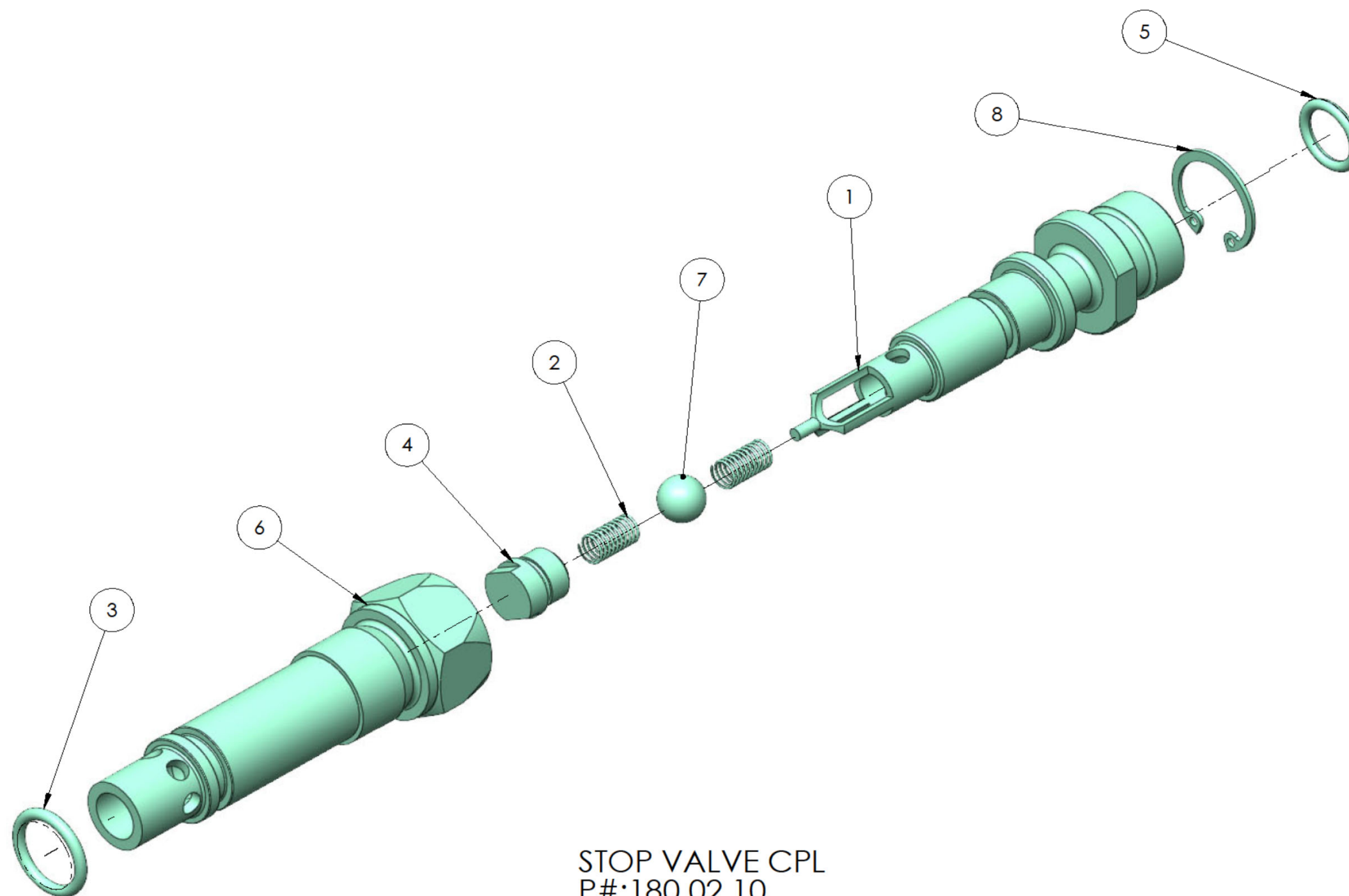
CHECK NON-RETURN VALVE CPL
P#: 135.02.06

ITEM NO.	PARTNO	DESCRIPTION	SIZE	QTY.
1	135.02.09-1	SLEEVE		1
2	135.02.09-2	SPRING		1
3	135.02.09-3	WASHER		2
4	135.02.09-4	PLUG		1
5	135.02.09-5	PLATE		2
6	135.02.09-6	WASHER		3
7	GB308-64	BALL	DIA8.731	1

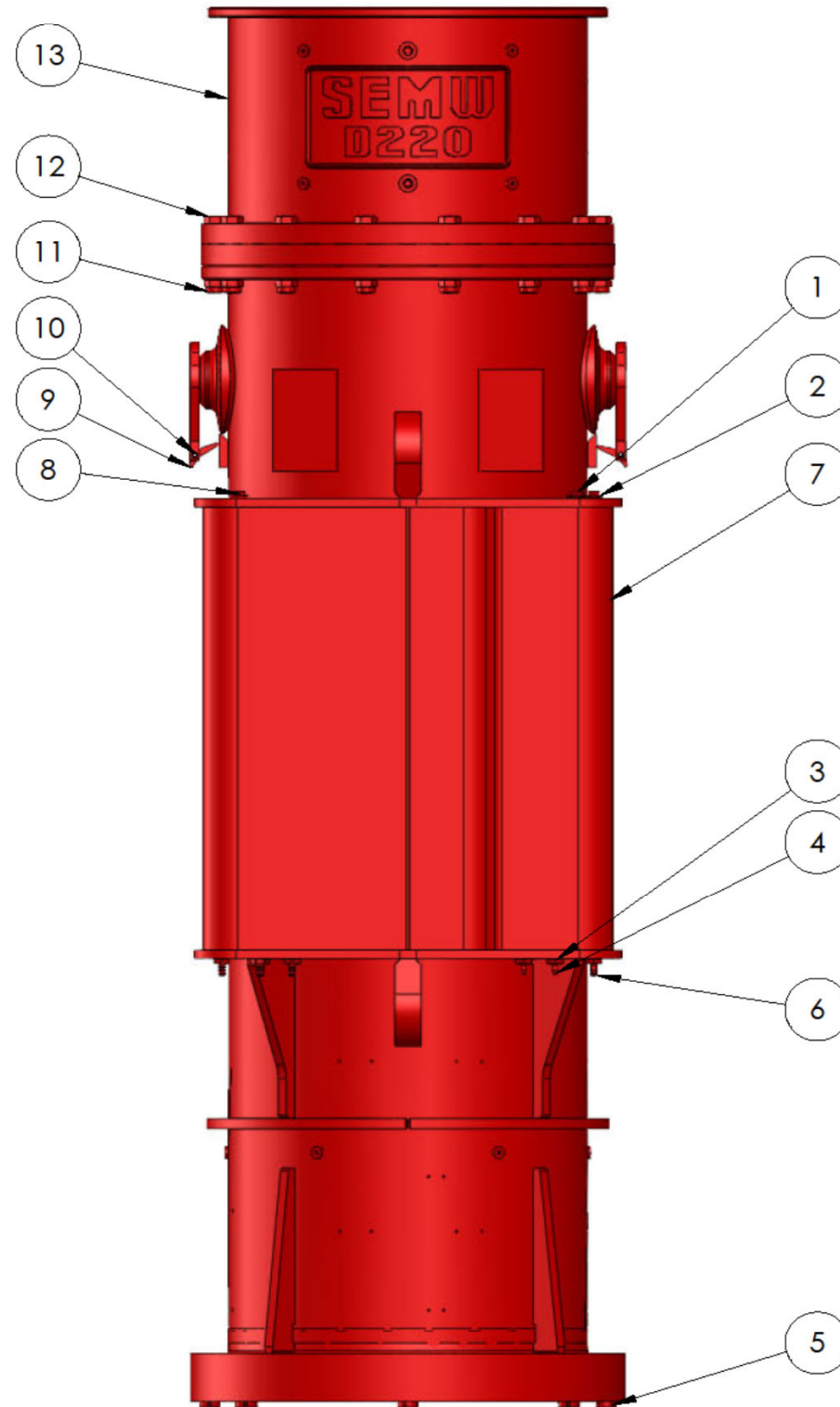


SUCTION VALVE CPL
P#:135.02.09

ITEM NO.	PARTNO	DESCRIPTION	SIZE	QTY.
1	180.02.10-1	VALVE ROD		1
2	180.02.10-5	SPRING		2
3	2-114	O-RING	15.54 X 2.62	1
4	180.02.10-4	PLUG		1
5	P12.5	O-RING	12.3 X 2.4	1
6	180.02.10-7	VALVE BODY		1
7	GB308-64	BALL	DIA 8.731	1
8	GB893-86	SNAP RING	20 X 1	1

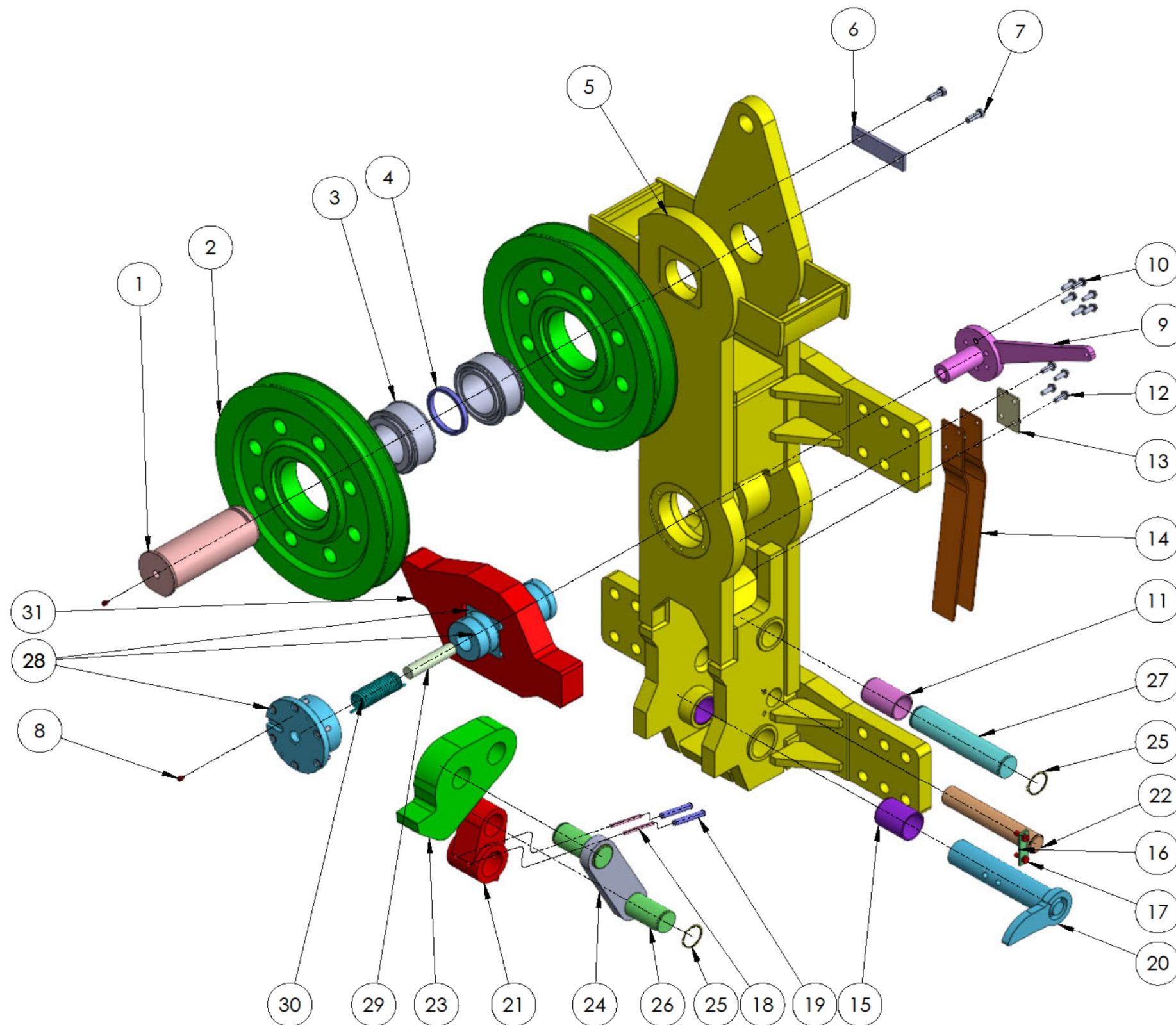


STOP VALVE CPL
P#:180.02.10



ITEM NO.	PARTNO	DESCRIPTION	QTY.
1	135.03.04	PLUG SCREW OIL CPL	1
2	135.03.06	PLUG SCREW DIESEL CPL	1
3	JB/T982-1977	WASHER	7
4	135.03.02	FILTER ELBOW	3
5	195.01.01-4	DOWEL PIN	8
6	180.03.02	FILTER ELBOW	4
7	195.03.01	UPPER CYLINDER	1
8	135.03.05	PLUG SCREW DIESEL CPL	1
9	195.03-1	RATCHET	2
10	190.03-3	DOWEL PIN	2
11	GB/T6185-1986	M36 NUT	12
12	195.03-2	SCREW M36 X 160	12
13	195.03.08	EXTENDED CYLINDER	1

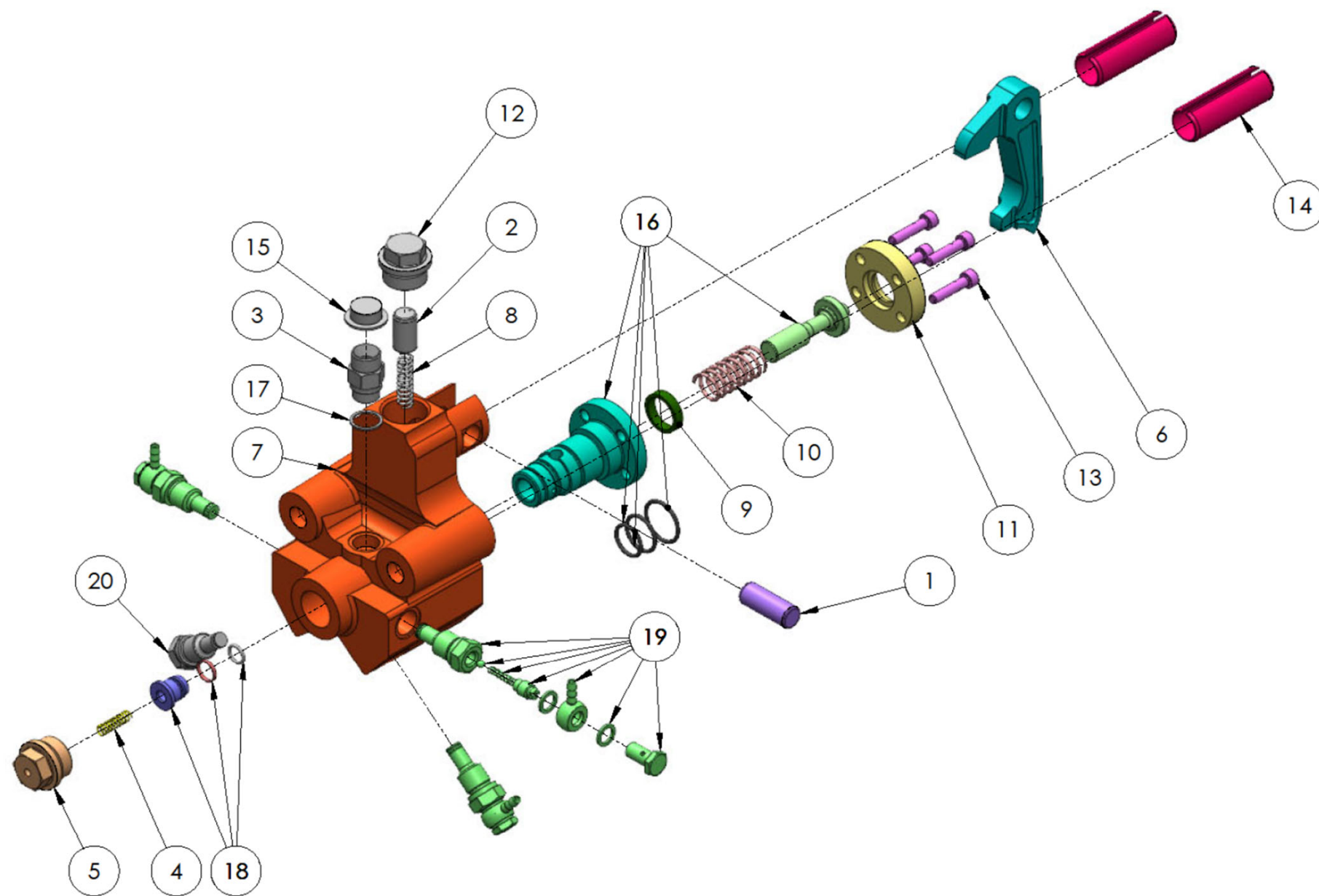
UPPER CYLINDER CPL(D220)
P#:195.03



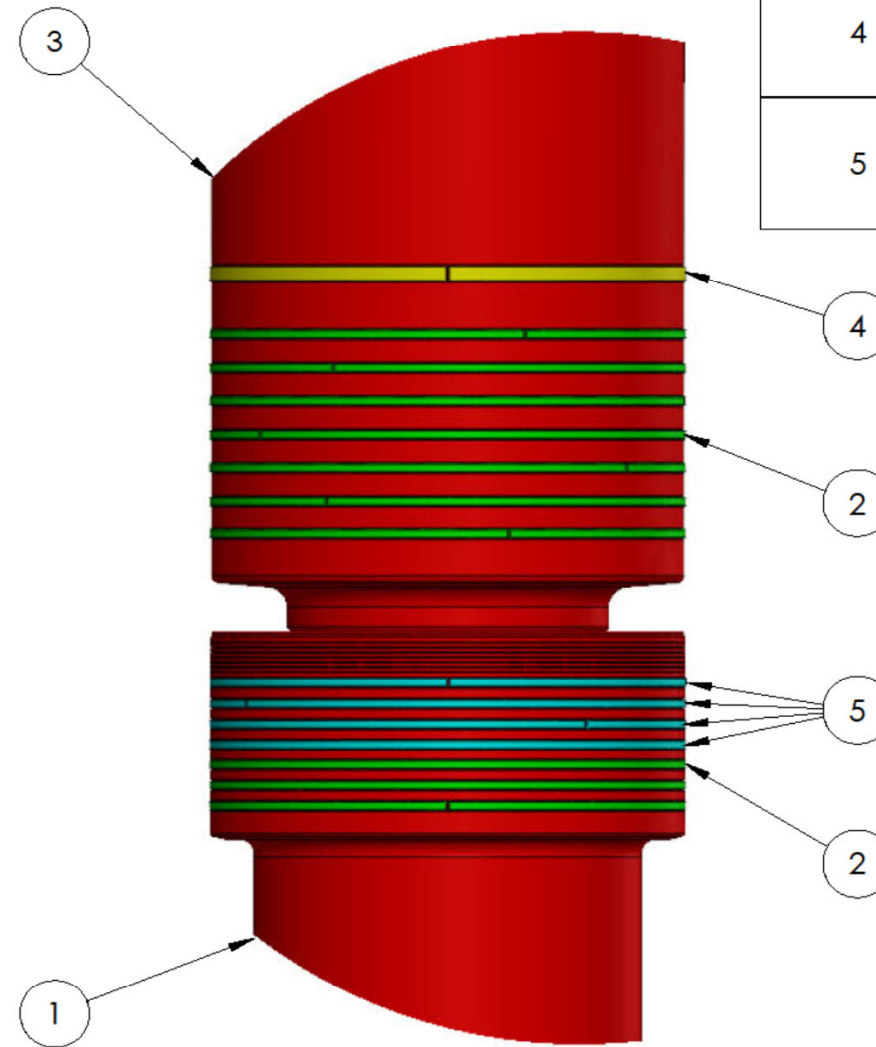
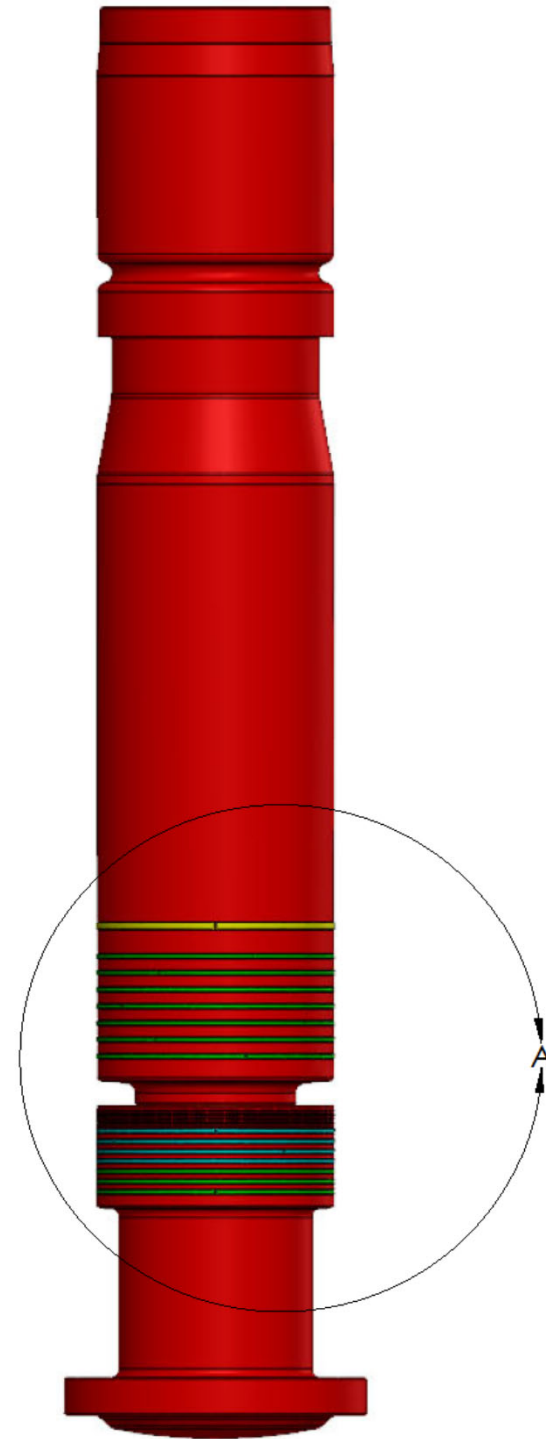
TRIP SLED CPL(D220)
P#: 195.05.00

ITEM NO.	PARTNO	DESCRIPTION	SIZE	QTY.
1	195.05-1A	SHEAVE PIN		1
2	195.05.03-1A	SHEAVE		2
3	NUP230ECJ	BEARING		2
4	195.05-14A	CIRCLIP		1
5	195.05.01	GUIDE BODY		1
6	195.05-12	PLATE		1
7	GB5782-86	BOLT	M20 X 55	2
8	135.01.02.02A	GREASE NIPPLE		3
9	195.05.04	LEVER COMPLETE		1
10	GB70-85	BOLT	M12 X 30	12
11	195.05.01-15	SLEEVE		2
12	135.06.00-6	LOCKING SCREW	M16 X 45	4
13	195.05-4	PLATE		1
14	195.05-3	LEAF SPRING		2
15	195.05.01-12	SLEEVE		2
16	195.05-13	PLATE		1
17	GB5782-86	LOCKING SCREW	M16 X 40	2
18	GB879-86	DOWEL PIN	16 X 140	2
19	135.05.00-15	DOWEL PIN	25 X 140	2
20	195.05.05.01	LEVER PIN		1
21	195.05.05-1	DETENT		1
22	195.05-10	JOINT BOLT		1
23	195.05-5	PAWL		1
24	195.05-6	SHACKLE		2
25	GB894.1-85	CIRCLIP		6
26	195.05-11	SHAFT		2
27	195.05-9	SHAFT		1
28	195.05.06	FLANGE COMPLETE		1
29	195.05-8	SHAFT		1
30	137.05.00-7	TORSION SPRING		1
31	195.05-2	DRIVING BLOCK		1

ITEM NO.	PARTNO	DESCRIPTION	SIZE	QTY.
1	135.07.00-1	PIN		1
2	135.07.00-2	SLEEVE		1
3	135.07.00-3	ADAPTOR(TUBE TO THREAD)		1
4	135.07.00-4	PRESSURE SPRING		1
5	190.07.00-5	PLUG SCREW		1
6	135.07.00-6	PUMP LEVER		1
7	180.07.00-7	PUMP BODY		1
8	135.07.00-8	PRESSURE SPRING	10 X 43 X 2	1
9	135.07.00-9	RING		1
10	135.07.01-10	PRESSURE SPRING	22 X 52 X 2.8	1
11	135.07.00-11	WASHER		1
12	135.07.00-12	PLUG SCREW		1
13	GB/T70-1985	SCREW	M8 X 35	4
14	135.02.00-25	DOWEL PIN	28 X 80	2
15	135.02.00-31	PROTECTING CAP		1
16	180.07.01	CYLINDER COMPLETE		1
	180.07.01-1A	PISTON		1
	135.07.01-2	PISTON BODY		1
	135.07.03.01-3	O-RING	30 X 3	1
	135.07.01-4	O-RING	26 X 3	1
	135.02.00-12	O-RING	22 X 2	1
17	135.02.00-29	SEALING RING	A20 X 24	1
18	135.07.02	PISTON COMPLETE		1
	135.07.02-1	PISTON		1
	135.07.02-2	O-RING		1
	135.07.02-3	SLIDE RING		1
19	135.07.03	PRESSURE VALVE COMPLETE		3
	135.07.03-1	RING TYPE NIPPLE		1
	135.07.03-2	HOLLOW SCREW		1
	135.07.03-3	SEALING RING	A12 X 15.5	2
	135.07.03-4	ADAPTOR(TUBE TO THREAD)		1
	135.07.03-5	THREADED PLUG		1
	135.07.03-6	PRESSURE SPRING		1
	135.07.03-7	O-RING	8 X 2	1
	GB/T308-1989	STEEL BALL	DIA 6	1
20	135.07.4-1	PLUG SCREW		1



LUBE PUMP CPL
P#: 190.07.00

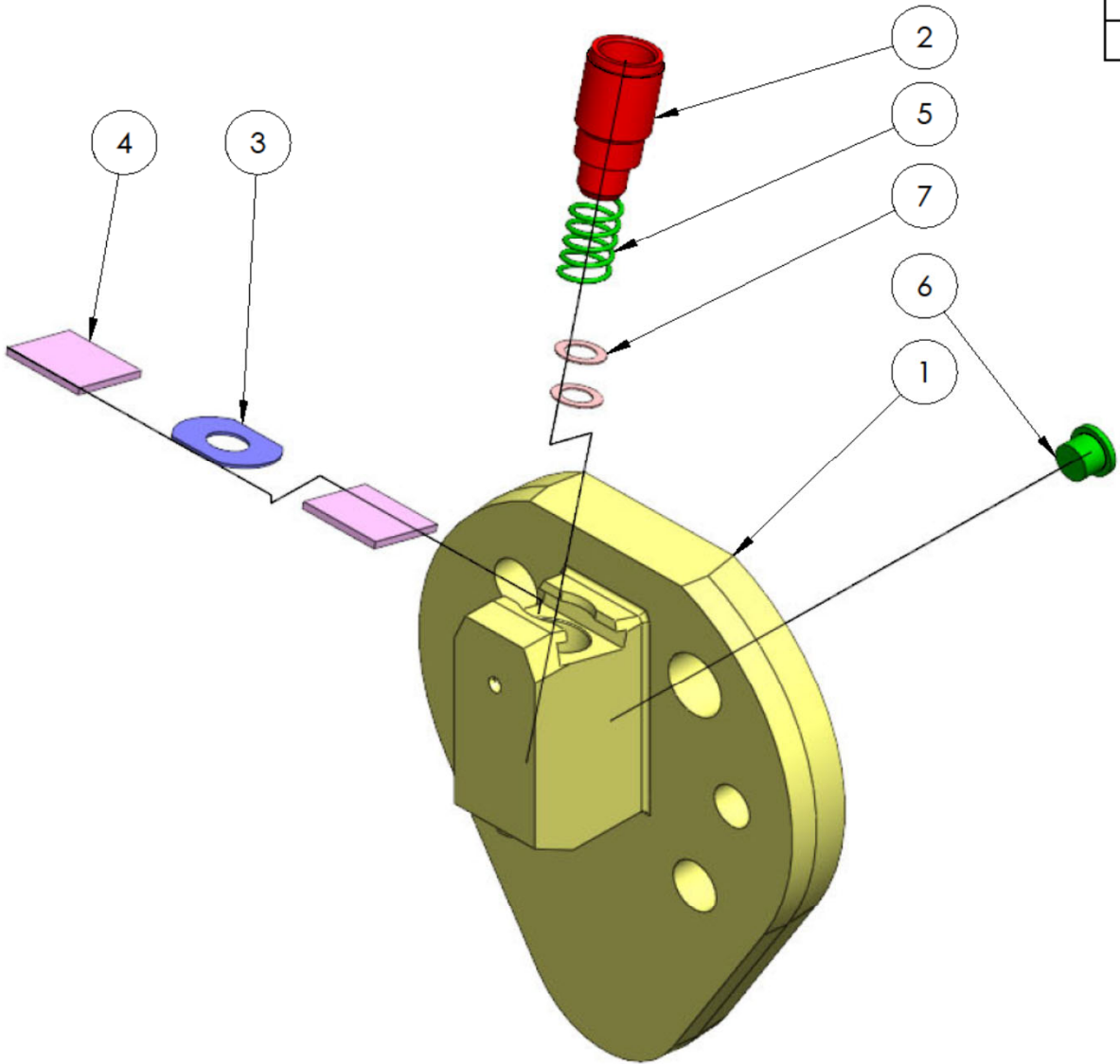


DETAIL A
SCALE 1 : 15

ITEM NO.	PARTNO	DESCRIPTION	QTY.
1	195.08-1	LOWER PISTON	1
2	195.08-2	PISTON RING	10
3	195.09-1	UPPER PISTON	1
4	195.09-2	CATCH PISTON RING	1
5	195.08-3	PISTON RING	4

LOWER/UPPER PISTON(D220)

ITEM NO.	PARTNO	DESCRIPTION	SIZE	QTY.
1	195.11.04-1	INJECTOR BODY		1
2	190.11.04-4	VALVE CORE		1
3	135.02.07-2A	SPRING WASHER		1
4	135.02.07-3	LOCKING PLATE		2
5	135.02.07-5	PRESSURE SPRING		1
6	135.02.07-6	PROTECTING COVER		1
7	135.02.07-7	ADJUSTABLE WASHER	9 X 15 X 1.5	2



INJECTOR COMPLETE
P#: 195.11.04