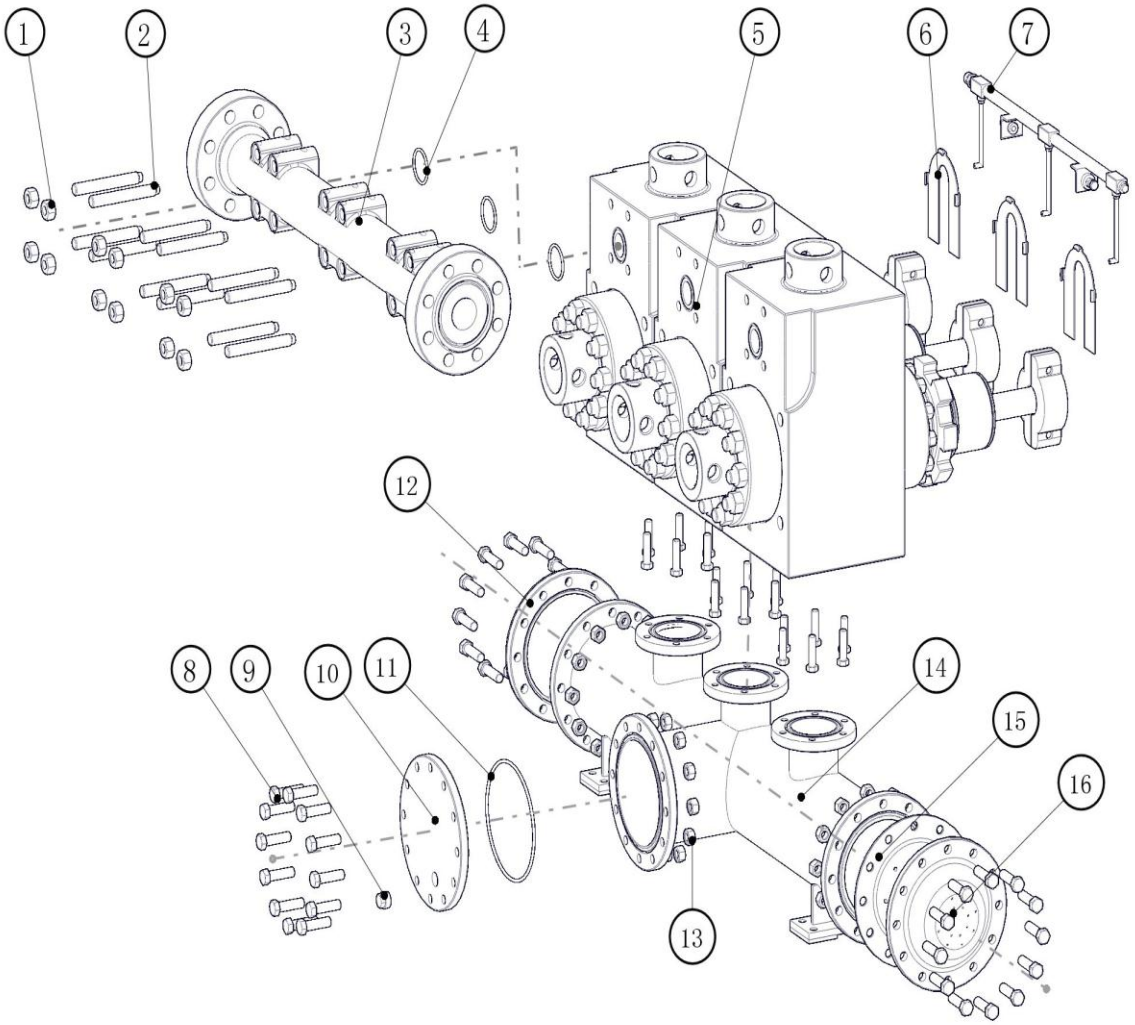
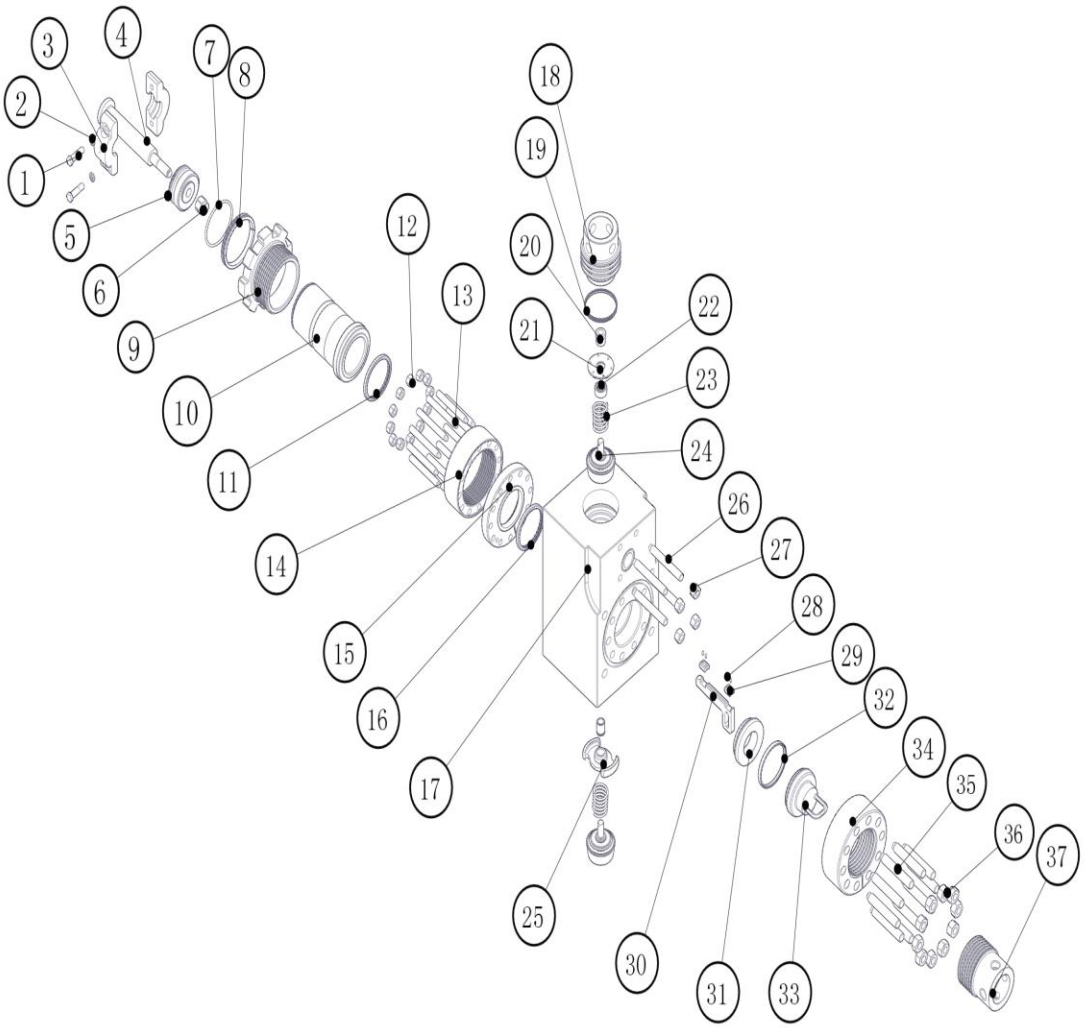
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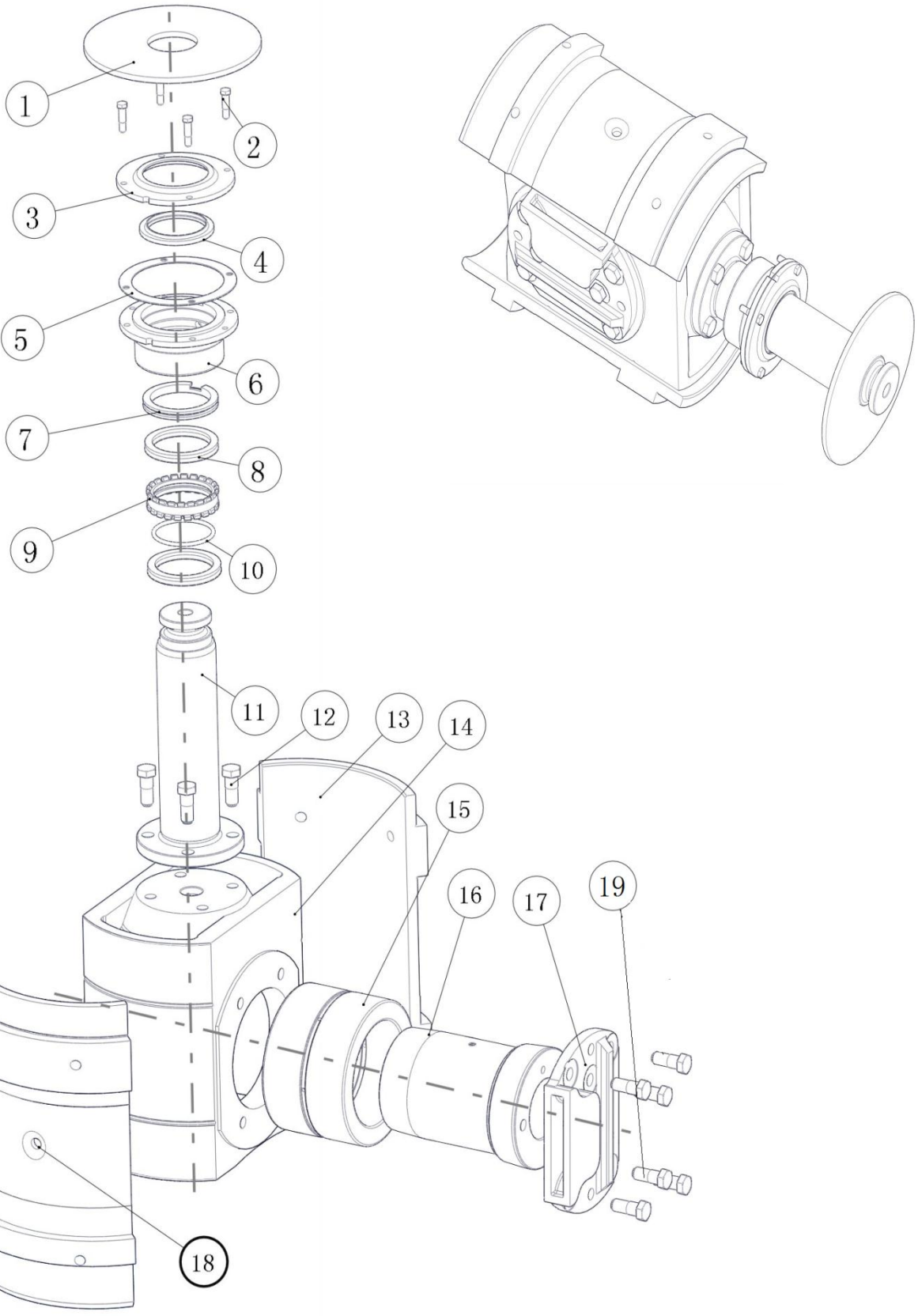

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Item	HHA Part No.	NOV Part No.	BOMCO/ HT Part No.	Description	QTY /Pump
1	11-3161-0501-08			Nut, 1 1/4-8UN-2B(SPL)	12
		7601-063024		1-1/4” Heavy Hex Nut	12
2	11-3161-0501-07			Stud, 1 1/4-8UN(12UNF)-2Ax195	12
		7507-2108-00		Stud	12
3	11-3161-0509	6316-0043-00	AH36001-05.09	Discharge Manifold	1
4	B34521-095-530-69	7602-160025	GB3452.1-82	O ring, 95x5.3G	3
5	11-3161-0501-00	6316-0095-00	AH36001-05.01A.00	Fluid End - Studded	3
6	11-3161-0523	6316-0164-00	AH36001-05.27	Liner End Cover	3
7	11-3161-0519-00		AH36001-05.20A.00	Spray Pipe Assembly	1
		7601-258749		¼”x15” Galv Nipple	3
8	11-3161-0544			Bolt 1 1/16-8UN-2AX90	36
		7601-033139		1"x5" Hex Head Cap Screw	36
			GB5780-86	Bolt M27×90	36
9	11-3161-0536		T56-1007	Screw Plug, NPT 1 1/2	1
10	11-3161-0534	6317-0074-00	AH33001-05.39	Blind Suction Flange	1
11	B34521-345-700-69	7602-160025	GB3452.1-82	O ring 345x7.0 G	3
12	11-3161-0535	6316-0105-00	AH33001-05.40	Suction Flange	1
13	11-3161-0543	7601-063020		1" Heavy Hex Nut	36
			GB8841-86	Nut M27	36
14	11-3161-0525-00	6316-0117-00	AH36001-05.32A.00	Suction Manifold	1
15	11-3161-0533-01			Diaphragm(Suction Dampener)	1
16	11-3161-0533-02			End Cover(Suction Dampener)	1
17	***11-3161-0533-00***		***AH33001-05.35A.00***	***Suction Dampener***	***1***

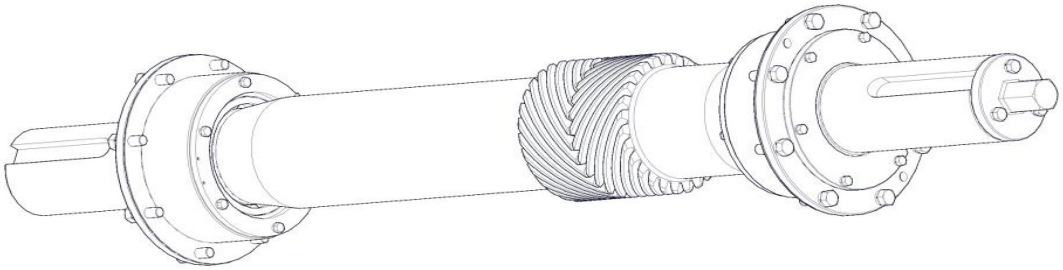

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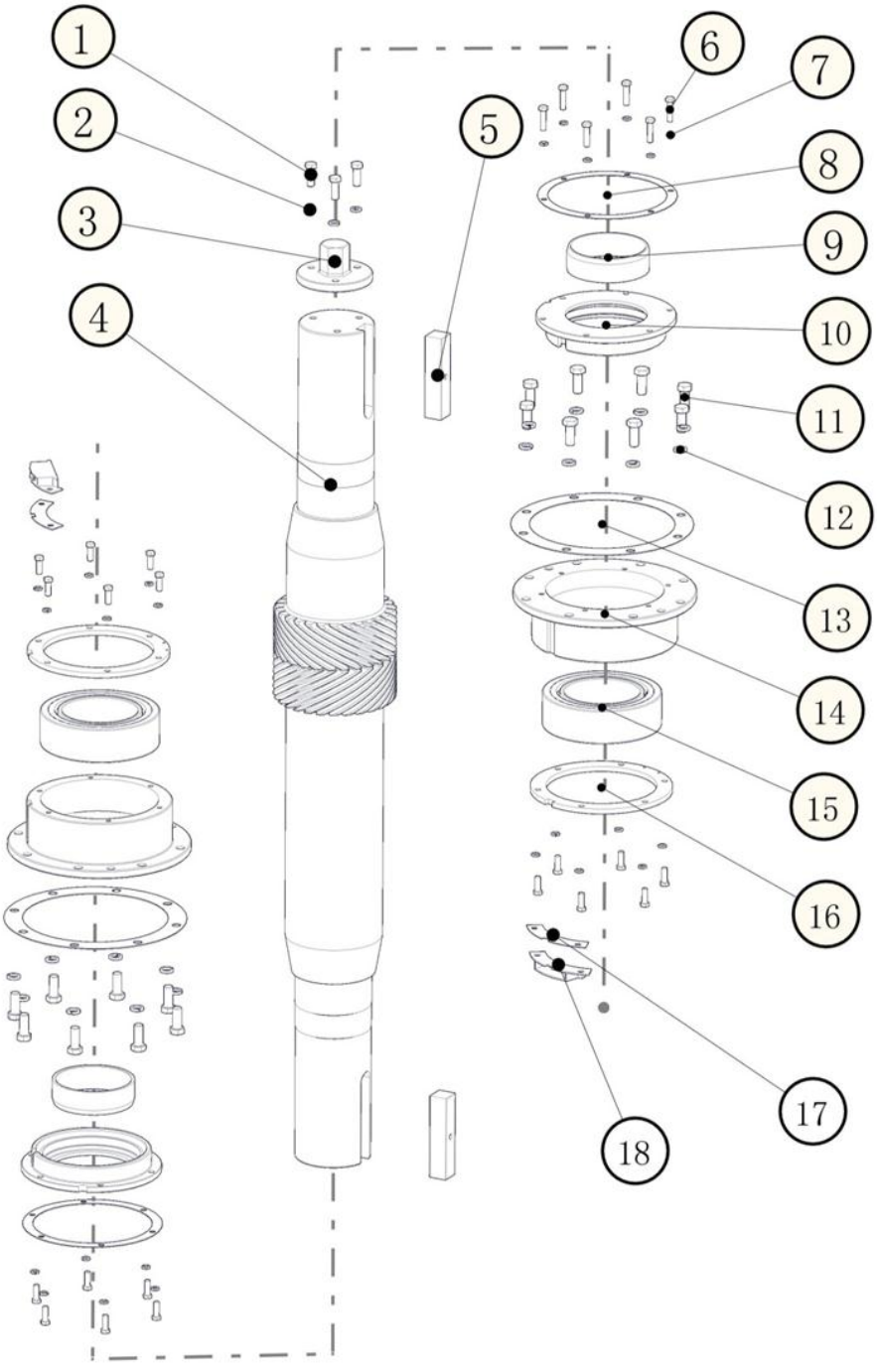
Item	HHA Part No.	NOV Part No.	BOMCO Part No.	Description	QTY /Pump
0	***11-3161-0522-00***		***AH36001-05.24.00***	***Piston Rod Clamp Assembly***	***3***
1		7601-033137		1"x4" Hex Head Capscrew	6
2		7601-132033		1" Lockwasher	6
3		6316-0107-10		Piston Rod Clamp	3
4	11-3161-0518	6316-0094-00	AH36001-05.19A	Piston Rod	3
5	11-3161-0524-00	As Specified	AH36001-05.28.00	Piston	3
6	11-3161-0532-00		T57-3005.0	Piston Nut	3
		7601-072058		Heavy Lock Nut	3
7	B34521-200-700-69		GB3452.1-82	O ring, 200x7.0 G	3
8	11-3161-0520		AH36001-05.22	Liner Locking Ring	3
9	11-3161-0517-00			Liner retainer Screw	3
			AH36001-05.18.00	Liner Lock	3
10	11-3161-0521-XX		AH36001-05.23A.00	Liner	3
11	11-3161-0531		AH33001-05.20A	Piston Seal Ring	3
12	11-3161-0501-03			Nut, 1-8UNC-2B(SPL)	36
13	11-3161-0501-02			Stud, 1-8UNC(14UNS)-2Ax185	36
14	11-3161-0516			Liner retainer ring	3
			AH36001-05.17	Liner Flange	3
15	11-3161-0515		AH36001-05.16A	Wear Plate	3
16	11-3161-0514		AH36001-05.15	Liner Seal Ring	6
17	11-3161-0501-00			Cylinder Assembly	3
		6316-0095-00		Fluid End - Studded	3
			AH36001-05.01A.00	Fluid End Studded Assy.	3
18	11-3161-0513	6316-0039-00	AH36001-05.14A	Valve Pot Cover	3
19	11-3161-0512	6316-0092-00	AH36001-05.13	Cover Seal	3
20	11-3161-0527	6397-0575-00	AH33001-05.12	Valve Guide - Upper	3
21	11-3161-0529	6397-0603-00	AH33001-05.14	Retainer - Upper Valve Guide	3
22	11-3161-0541-00			Spring Guide	3
23	11-3161-0510		AH33001-05.16A	Valve Spring	6
24	11-3161-0511-00		AH36001-05.12A.00	Valve Assembly	6
25	11-3161-0505-00	6316-0004-00	AH36001-05A.05.00	Valve Guide with Bushing Lower	3
26	11-3161-0501-07			Stud, 1 ¼-8UN(12UNF)-2Ax195	12
		7507-2108-00		Stud	12
27	11-3161-0501-08			Nut, 1 ¼-8UN-2B(SPL)	12
		7601-063024		1 1/4" Heavy Hex Nut	12
28				Stud	4
29				Copper Block	1
30	11-3161-0504-00			Spacer Assembly	3
			AH36001-05A.04.00	Flashboard Assy.	3
31	11-3161-0507			Positioning Panel	3

			AH36001-05A.07	Alignment Ring	3
32	11-3161-0508		AH36001-05.08	Cylinder Head Seal Ring	3
33	11-3161-0506-00	6316-0123-00		Cylinder Head Plug	3
			AH36001-05A.06.00	Cylinder Head	3
34	11-3161-0502	6316-0106-00	AH36001-05.02	Tread Ring	3
35	11-3161-0501-04			Stud, 1 ½-8UN(12UNF)-2Ax170	30
		7507-2109-00		Stud	30
36	11-3161-0501-06			Nut, 1 ½-8UN-2B(SPL)	60
		7601-063017		1-1/2" Heavy Hex Nut	45
37	11-3161-0503		AH36001-05.03	Cylinder Cover	3
		6316-0122-00		Cylinder Head	3

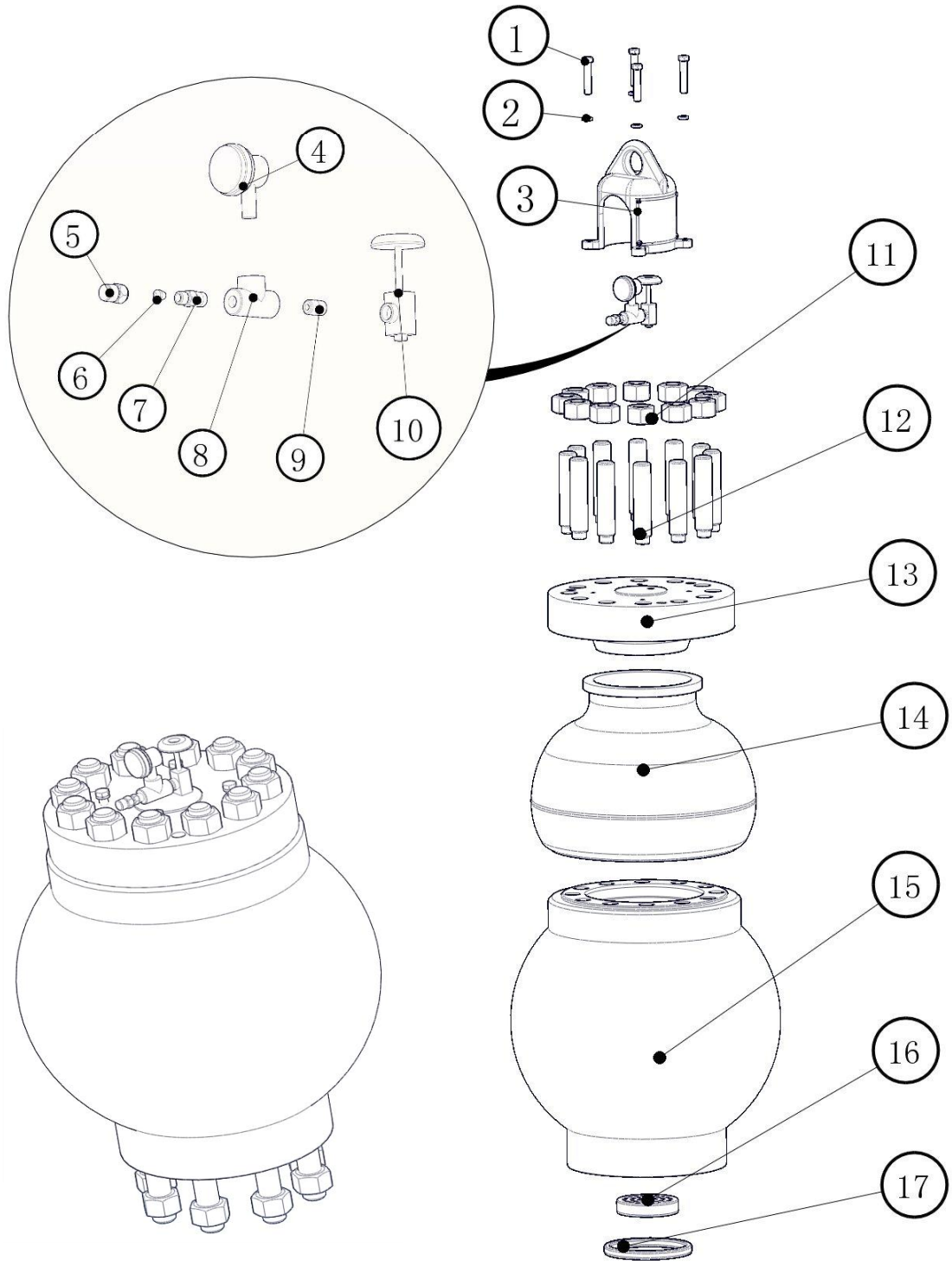

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Item	HHA Part No.	NOV Part No.	BOMCO Part No.	Description	QTY /Pump
1	11-3161-0411	6316-0093-00	AH36001-04.10	Fluid Baffle Disc	3
2	11-3161-0423			Bolt, 3/8-16UNC-2A×40	12
		7601-033029		Hx. Hd. Capscrew 3/8X7/8"	12
			GB5780-86	Bolt M10×25	12
3	11-3161-0409			End cover	3
4				Dust Ring	3
5	11-3161-0408			Gasket	3
6	11-3161-0405			Diaphragm stuffing box	
7	11-3161-0410			Stuffing box lock spring (Locking Spring)	
8	11-3161-0407			Double Lip Oil Seal (Oil Seal, 5"*6.25"*0.625")	
9	11-3161-0406			Stuffing box spring (HHA: Oil Seal ring)	
10	B34521-160-700-69			O Ring,160x7.0G	3
		7602-160039		O-Ring	3
			GB3452.1-82	O-Ring Φ160×7	3
11	11-3161-0412	6316-0028-00	AH36001-04.11	Crosshead Extension	3
12	11-3161-0422			Bolt, 1-8UNC-2Ax70	24
		7501-1269-00		Socked Hd. Drld. Capscew 1"X2-1/2"	12
			GB70-85	Bolt M24×65	24
13	11-3161-0402			Crosshead slide (Upper slide)	3
		6316-0024-00		Crosshead Guide	3
			AH36001-04.02	Crosshead Guide (Upper)	3
14	11-3161-0401	6316-0022-00	AH36001-04.01A	Crosshead	3
15	11-3161-0417			Crosshead Bearing, 254941QU	3
		6301-0038-00	AH36001-04.19	Crosshead Bearing	
16	11-3161-0413	6316-0087-00	AH36001-04.12A	Crosshead Pin	3
17	11-3161-0416	6316-0026-00	AH36001-04.18	Crosshead pin retainer	3
18	11-3161-0415			Crosshead slide (Lower slide)	3
		6316-0024-00		Crosshead Guide	3
			AH36001-04.17	Crosshead Guide (Lower)	3
19	11-3161-0421			Bolt, 1-8UNC-2Ax60	6
		7501-0117-00		Drld. Hx. Hd. Capscew 1"X2-1/4"	6
			T52-7008K	Bolt M24×60	6
20		***7501-0058-00***		***Drld. Hx. Hd. Capscew 1"X2-1/2"***	***12***
			T52-7009K	***Bolt M24×70***	***18***

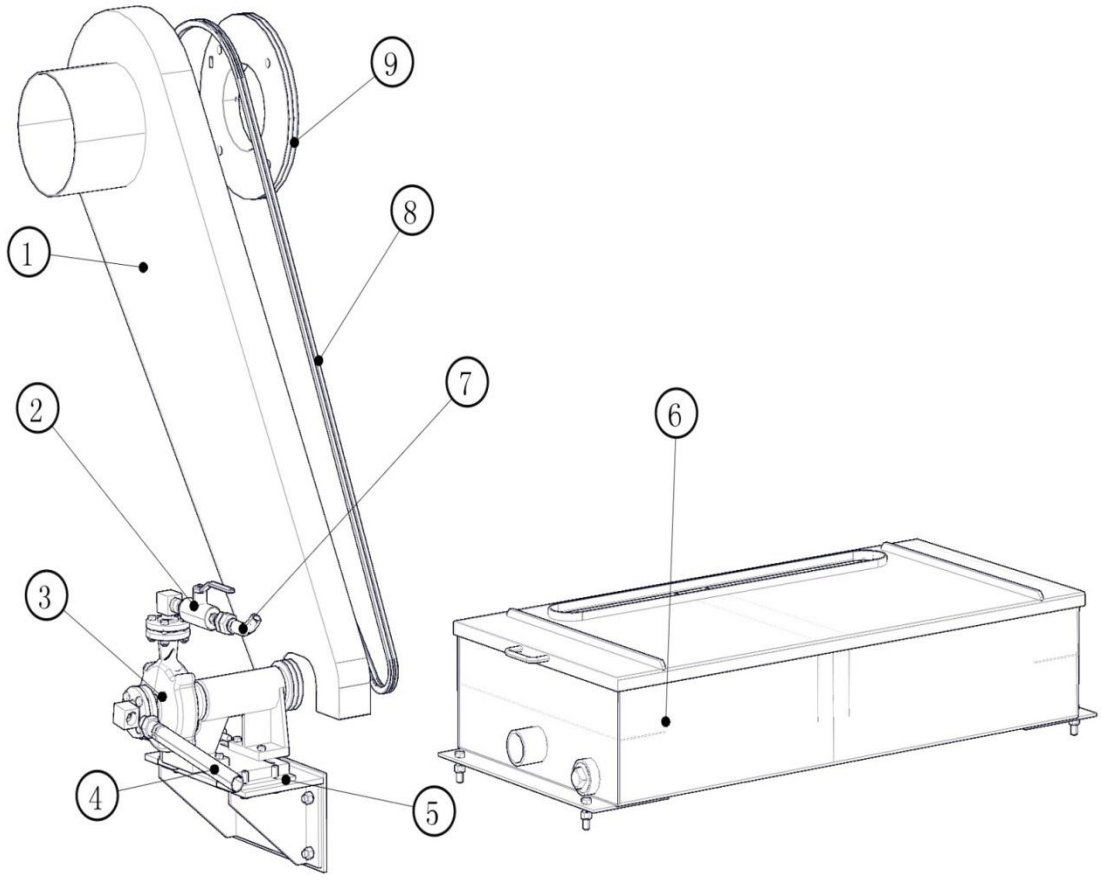



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Item	HHA Part No.	NOV Part No.	BOMCO Part No.	Description	QTY /Pump
1	B0093-16-59		GB93-87	Spring Washer, 16	3
2	11-3161-0316			Bolt, 5/8-11UNC-2Ax50	3
			GB5783-86	Bolt, M16×45	3
3	11-3161-0313		AH36001-03.11	Flange	1
4	11-3131-0302	6317-0021-00	AH36001-03.02	Pinion Shaft	1
	11-3161-0302	6316-0027-00	AH36001-02.01A		1
5	11-3161-0301			Key	2
		7504-7501-00		Square Key	2
			AH36001-03.01	Key 2”x2”x11⅜”	2
6	11-3161-0314			Bolt, 1/2-13UNC-2A*35	24
		7601-033220		Hx Hd Capscrew (1/2" x 1-1/2")	24
			GB5782-86	Bolt M12×35	24
7	B0093-14-59			Spring Washer, 14	24
		7601-132016		Lockwasher (1/2")	24
			GB93-87	Washer 12	24
8	11-3161-0305		AH36001-03.05	Gasket, End cover	2
		7502-0841-00		Oil Seal Carrier Gasket	2
9	11-3161-0303			Sleeve, seal	2
		6301-0002-00	AH36001-03.03	Oil Seal Wear Ring	2
10	11-3161-0304			End cover	2
		6317-0023-00	AH36001-03.04	Oil Seal Carrier	2
11	11-3161-0315			Bolt, 7/8-9UNC-2Ax52	16
		7601-033600		Hx Hd Capscrew (7/8" x 2")	16
			GB5782-86	Bolt M22×50	16
12	B0093-22-59		GB93-87	Spring Washer, 22	16
		7601-132019		Lockwasher (7/8")	16
13	11-3161-0306		AH36001-03.06	Gasket, Bearing housing	2
		7502-0840-00		Pinion Bearing Carrier Gasket	2
14	11-3161-0307			Bearing housing	2
		6317-0024-00	AH36001-03.07A	Pinion Bearing Carrier	2
15	11-3161-0312		AH36001-03.09	Bearing, 4G32844H	2
		7602-021267		Pinion Shaft Bearing Torrington 220RU91-R3	2
16	11-3161-0308			Retainer Ring	2
			AH36001-03.10	Baffle	2
17	11-3161-0309		AH36001-03.12	Gasket, Oil trough	2
18	11-3161-0310-00			Oil trough	2
			AH36001-03.13.00	Oil Collecting Box	2
19	***11-3161-0311***		***AH36001-03.08A***	***Oil seal, 9.125”x10.375”x0.625”***	***2***
		7602-213118		***Oil seal (JM9891-LUP)***	***2***


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Item	HHA Part No.	NOV Part No.	BOMCO Part No.	Description	QTY /Pump
1				Stud	4
2				Washer	4
3	11-3161-2708-00		AH33002-08.00	Guard, Pressure Gauge	1
4	11-3161-2710-01		Y-60	Pressure Gauge, 0~25MPa (0~3630psi)	1
5	11-3161-2709-00		PJC1 –L8	Bleeder Valve	1
6					
7					
8	11-3161-2706		AH33002-06	Tee, NPT1/4”	1
9	11-3161-2707		AH33002-07	Joint, NPT1/4”	1
10	11-3161-2710-02		JZR3-L8	Check valve (Needle valve)	1
11	11-3161-2704-03			Nut, 1 ½-8UN-2B(SPL)	12
			T57-20011	Nut M39×3	12
12	11-3161-2704-02			Stud, 1 ½-8UN(12UNF)-2Ax120	12
			T53-4002	Stud AM39×2-M39×3×110	12
13	11-3161-2705		AH33002-05A	Cover	1
14	11-3161-2703-00		AH33002-03.00	Bladder	1
15	11-3161-2704-00		AH33002-04A.00	Dampener Body	1
16	11-3161-2702		AH33002-02	Plug (Bottom)	1
17	11-3161-2701		T58-5001	Ring Gasket, R39	1


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Item	HHA Part No.	NOV Part No.	BOMCO Part No.	Description	QTY /Pump
1	11-3161-0801-00-1 11-3161-0801-00-2		AH36001-08B.01.00 AH36001-08B.01.00A	Guard	1
2	11-3161-0828			Ball valve, 1-11 1/2NPSC	1
			Q11F-16	Ball Valve G1”	1
3	11-3161-0827		AH36001-08B.11.00	Liner Wash Pump	1
4	11-3161-0821			Hose, L=750	1
				Hose Φ38×Φ53 L=750	1
5	11-3161-0803-00			Seat assembly	1
			AH36001-08B.03.00	Support Assy.	1
6	11-3161-0812-00			Water case	1
			AH36001-08C.01.00	Water Tank	1
7	11-3161-0818			Hose, L=1500	1
				Hose Φ22×Φ37 L=1500	1
8	B1171-A3708		GB1171-74	V belt, A3708	2
9	11-3161-0802		AH36001-08B.02	Belt pulley	1