SECTION 2

BS F-500/800/1000 TRIPLEX PUMP PARTS BOOK

PARTS BOOK DRAWING LIST

DRAWING DESCRIPTION	DRAWING NO. OR PART NO	PAGE
F- 500/800/1000 GENERAL ASSEMBLY	AH05010200/ AH08010200/ AH10010200	67
F-500/800/1000 FLUID END ASSEMBLY	AH0501020500/ AH0801020500/ AH1001020500	70
F-500/800/1000 DISCHARGE STRAINER & ACC′Y MANIFOLD	AH0501011400/ AH1001021100/ AH1001021100	73
F-500 CROSSHEAD ASSEMBLY	AH0501020400	74
F-800/1000 CROSSHEAD ASSEMBLY	AH0801020400/AH1001020400	76
F-500/800/1000 PINION SHAFT ASSEMBLY	AH0501020300/AH0801020300/AH1001020300	78
F-500 800/1000 CRANKSHAFT ASSEMBLY	AH0501020200/AH0801020200/AH1001020200	79
F-500 LUBRICATION ASSEMBLY	AH0501020600	81
F-800/1000 LUBRICATION ASSEMBLY	AH0801020500/AH1001020600	84
F-500/800/1000 PISTON & LINER WASH	AH0501020800/AH0801020800/AH1001020800	87
F-500/800/1000 TOOL LIST	AH0801021000/ AH1001021300	90
F-500/800/1000SPARE PARTS LIST	AH0501021400/AH0801011100/AH1001021000	91

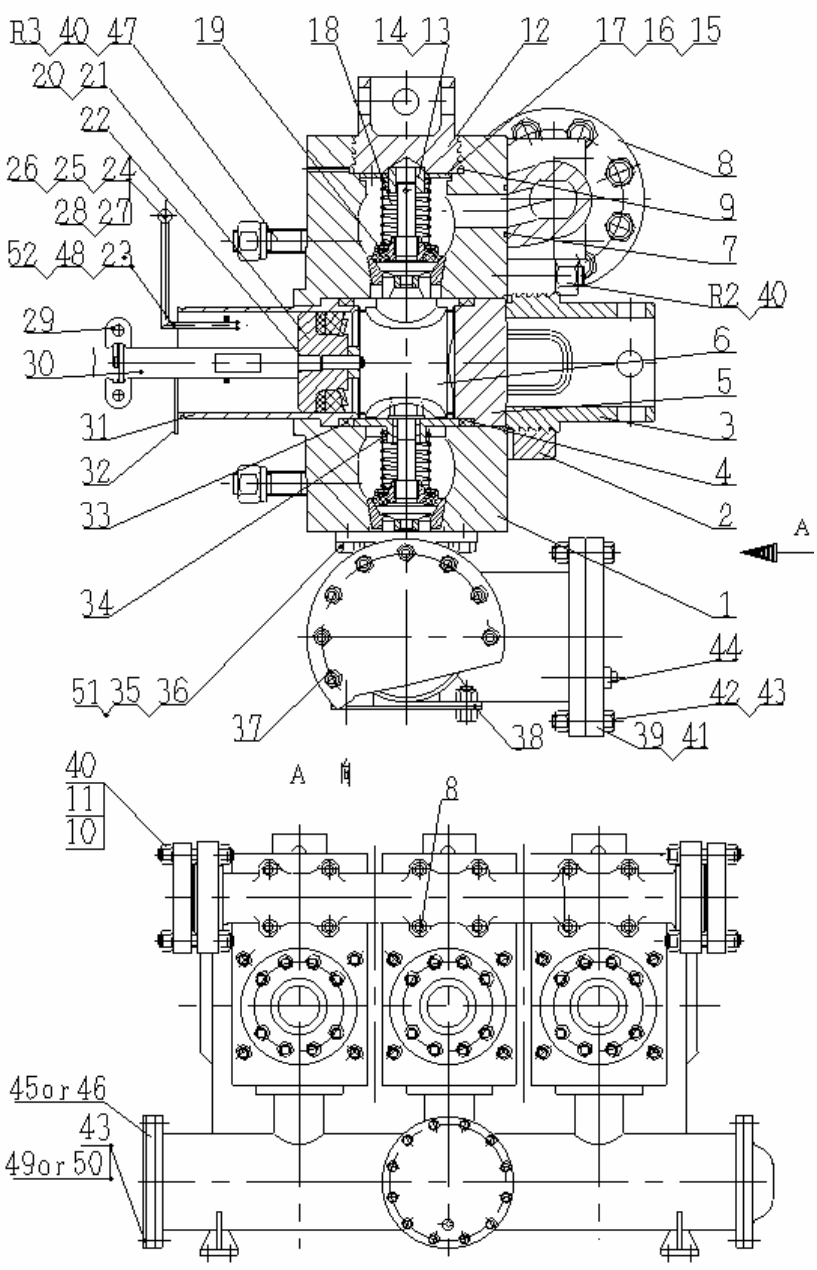
F-500/800/1000 GENERAL ASSEMBLY

ITEM N0	QTY	DESCRIPTION	PART No		
			F-500	F-800	F-1000
1	1	Frame Assembly	AH0501020100	AH0801020100	AH1001020100
2	1	Crank Shaft Assembly	AH0501020200	AH0801020200	AH1001020200
3	1	Pinion Shaft Assembly	AH0501020300	AH0801020300	AH1001020300
4	3	Crosshead Assembly	AH0501020400	AH0801020400	AH1001020400
5	1	Fluid End Assembly	AH0501020500	AH0801020500	AH1001020500
6	1	Lubrication Assembly	AH0501020600	AH0801020600	AH1001020600
7	1	Skid	AH0501020700	AH0801020700	AH1001020700
8	1	Piston & Liner Assembly	AH0501020800	AH0801020800	AH1001020800
9		Gasket ,Inspect Door	AH10010109 (1)	AH10010109 (2)	AH10010109 (2)
10	1	Breather Cap	T515-101.00	T515-101.00	T515-101.00
11		Loctite 277	170506010100243000	170506010100243000	170506010100243000
12	1	Cover Assembly	AH0501012200	AH0801011600	AH1001012300
13	2	BS Name Plate	AH05010209	AH08010209	AH10010209
14	1	Cover Plate	AH0501011000	AH0801011000	AH1001011100
15	1	Gasket	AH05010111	AH08010111	AH10010112
16	14	Cap Screw $^{1}/_{2}$-13UNCX1	T500-1001	T500-1001	T500-1001
17		Oil Level Name Plate	AH10011013	AH10010113	AH10010113
18	2	Oil Level Indicator Assy	AH1001011400	AH1001011400	AH1001011400
19		Gap Screw	T500-1009 (8)	T500-1009 (8)	T500-1023 (10)

ITEM N0	QTY	DESCRIPTION	PART No		
			F-500	F-800	F-1000
			1-8UNC×3	1-8UNC×3	1-8UNC×3 1/2
20	1	Clean Out Cover<I>			
21		Clean Out Cover<II>		AH1001011500（2）	AH1001011500（2）
22		Gasket		AH10010116 (2)	AH10010116 (2)
23		Cap Screw 1/2-13UNCX1 1/2		T500-1019（36）	T500-1019（16）
24	2	Crosshead Door	AH05010112	AH08010112	AH10010117
25	2	Gasket	AH05010113	AH08010113	AH10010118
26		Washer14 （GB848-85）	420501036120200000 （38）	420501036120200000 （50）	420501036120200000 （22）
27	6	Rivet 3X10 （GB827-76）	420999050603001000	420999050603001000	420999050603001000
28		Bolt	T500-1009 (12)	T500-1009 (8)	
			1-8UNC×3	1-8UNC×3	
29		Nut 1-8UNC	T501-1003 (12)	T501-1003 (8)	T501-1003 (10)
30		Lock Washer 27 （GB93-76）	4205030011271600000(12)	4205030011271600000 (8)	4205030011271600000 (10)
31		Cap Screw	T500-1002 (26)		T500-1010 (24)
			1/2-13UNCX1 1/4		5/8-11UNC×1 5/8
32		Washer16 (GB848-76)			420501036160200000 (24)
33	1	Gasket, Gear Case Cover	530302022500001000 25×10×4000	530302022500001000 25×10×4000	530302022500001000 25×10×4880
34	2	Thread Plug	T506-1006	——	——
35	4	Cap Screw			T500-1008
					5/8-11UNC×1 3/4
36	4	Nut 5/8-11UNC			T501-1002 5/8-11UNC
37	4	Lock Washer 16			4205030111161600000

ITEM N0	QTY	DESCRIPTION	PART No		
			F-500	F-800	F-1000
		(GB93-87)			
38		Washer 14			
39	1	Discharge Oil Pipe	AH0501021300	——	——
40	1	Inspect Door	AH0501021200	——	——
41	1	Gasket, Inspect Door	AH05010117	——	——
42	1	Stud $^{1}/_{2}$-13UNCX $1^{3}/_{4}$		——	——
43		Copper Net		——	——
44	8	Cap Screw M4X16 （GB818-85）	420101050604001600	420101050604001600	420101050604001600

F-500/800/1000 FLUID END ASSEMBLY

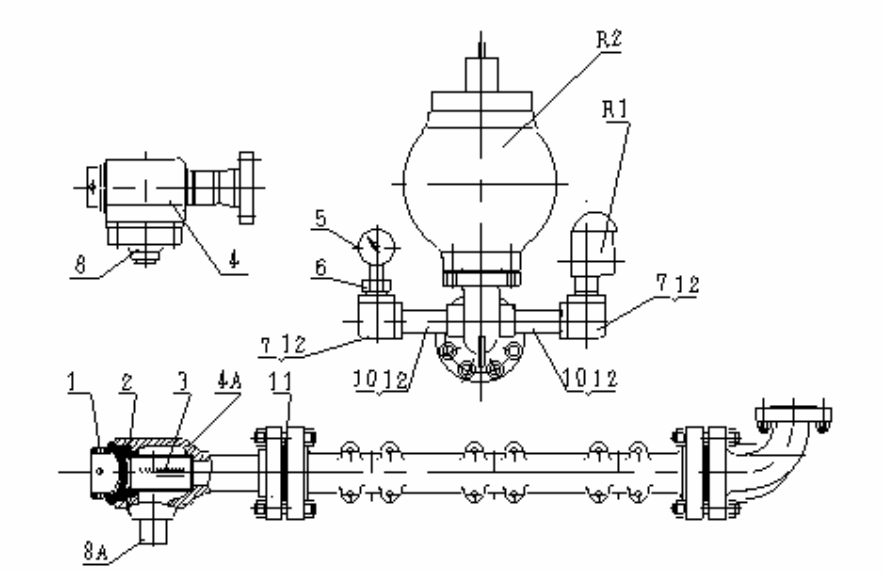


ITEM NO	QTY	DESCRIPTION	PART NO		
			F-500	F-800	F-1000
1	3	Fluid End Studded Assy	AH050102050100	AH080102050100	AH080102050100
2	3	Thread Ring	AH0501010502	AH1001010502	AH1001010502
3	3	Cylinder Head	AH0501010503	AH1001010503	AH1001010503
4	6	Liner Seal	AH0501010504	AH1001010504	AH1001010504
5	3	Cylinder Head Plug	AH0501010505	AH100101050500	AH100101050500

ITEM NO	QTY	DESCRIPTION	PART NO		
			F-500	F-800	F-1000
6	3	Liner Cage	AH0501010506	AH1001010506	AH1001010506
7	3	O-ring	530301010750053007	530301010975035507	530301010975035507
		（GB3452.1-82）	75×5.3	97.5×3.55	97.5×3.55
8	1	Discharge Manifold	AH0501010507	AH0801010501	AH1001010507
9	3	Valve Cover Seal	AH0501010508	AH1001010508	AH1001010508
10	16	Stud	T500-7001	T500-7002	T500-7002
			$1^1/_4$-8×$^3/_8$	$1^1/_2$-8×$10^1/_2$	$1^1/_2$-8×$10^1/_2$
11	32	Nut	T501-2002	T501-2001	T501-2001
			$1^1/_4$-8N-2B	$1^1/_2$-8N-2B	$1^1/_2$-8UN
12	3	Valve Pot Cover	AH0501020502	AH0801020502	AH0801020502
13	3	Valve Guide	AH0501010510	AH1001010510	AH1001010510
14	3	Spring Guide	AH100101051100	AH100101051100	AH100101051100
15	3	Valve Guide Retainer	AH0501010511	AH1001010512	AH1001010512
16	12	Bolt$^3/_8$-16UNCX$^3/_4$	AH0501020509	AH0501020509	AH0501020509
17	1	Wire Φ 1.6×1830 （GB4240-84）	040104030160001900	040104030160001900	040104030160001900
18	6	Valve Spring	AH00000101	AH00000101	AH00000101
19	6	Valve Assy	AH0000020500	AH0000020100	AH0000020100
20	3	Nut $1^1/_2$-8UN,Piston	T501-303.00	T501-303.00	T501-303.00
21	3	Piston	AH100102050100	AH100102050100	AH100102050100
22	3	O-ring 41.2×3.55 （GB3452.1-82）	530301010412035507	530301010412035507	530301010412035507
23	3	Pipe Connector	——	AH080102050400 （1/8）	AH100102050400 （1/4）
		Copper Pipe Φ6	AH050102050300	——	——
24	3	Snap Hose Assy （JB1887-77）	140507011001004530 （C-10X1W-450）	140507011001005530 （C-10X1W-550）	140507011001005530 （C-10X1W-550）
25	6	Connector Φ 10× Φ 20			
26	3	Joint Elbow NPT$^1/_4$-M18×1.5	AH1001020506	AH1001020506	AH1001020506
27	3	Connector NPT$^1/_4$-M18×1.5	AH1001020507	AH1001020507	AH1001020507
28	3	Joint,90	AH1001020508	AH1001020508	AH1001020508
29	3	Piston rod clamp	AH050102050600	AH080102050500	AH100102050500
30	3	Piston Rod	AH0501020504	AH0801020503	AH1001020502
31	3	Liner			
32	3	Liner End Cover	AH0501010516	AH1001010520	AH1001010520
33	3	Locking Clip	AH0501010517	AH1001010521	AH1001010521
34	3	Valve Guide	AH050101051800	AH100101052200	AH100101052200

ITEM NO	QTY	DESCRIPTION	PART NO		
			F-500	F-800	F-1000
35	1	O-ring	——	420501010240600000	420501010240600000
36	18	Blot	T500-2005	T500-1020	T500-1027
			$^{3}/_{4}$-10UNC×2	$^{7}/_{8}$-9UNC×1$^{3}/_{4}$	$^{7}/_{8}$-9UNC×2
37	1	Suction Manifold	AH050101051900	AH080101050500	AH10010152300
38		Washer	AH050101052000(4)	AH080101050700(2)	AH100101052400(4)
39	2	O-ring	530301012300070007	530301012900070007	530301013450070007
		（GB3452.1-82）	230×7	290×7	345×7
40		Loctite 277	170506010100243000	170506010100243000	170506010100243000
41	1	Blind Flange	AH050101010523	AH0801010508	AH1001010525
42	12	Bolt	T500-1023	T500-1003	T500-1023
			1-8UNC×3$^{1}/_{2}$	$^{7}/_{8}$-9UNC×3$^{1}/_{2}$	1-8UNC×3$^{1}/_{2}$
43	36	Nut	T501-1003	T501-1004	T501-1003
			1-8UNC-2B	$^{7}/_{8}$-9UNC-2B	1-8UNC-2B
44	1	Pipe Plug NPT1$^{1}/_{2}$	T506-1007	T506-1004	T506-1007
45	1	Suction Flange	AH0501020508	AH0801020506	AH1001020509
46	1	Suction Desurger			
47		Washer 39	AH1001010527(18)	AH1001010527 (24)	AH1001010527 (24)
48	3	Hose Holder		061401030500000000	061401030620000000
				2”	2 1/2”
49	12	Bolt	T500-1009	T500-1025	
			1-8UNC×3	$^{7}/_{8}$-9UNC×3	
50	12	Bolt	T500-1024	T500-1026	T500－1024
			1-8UNC×4$^{1}/_{4}$	$^{7}/_{8}$-9UNC×4$^{1}/_{4}$	1－8UNC×1$^{1}/_{4}$
51	3	O-ring	530301011500070007	530301011850070007	530301011850070007
		（GB3452.1-82）	（150×7）	(185×7)	（185×7）
52	3	Connector 45^{0}	AH0501020507	——	——
R1	12	Nut			
R2		Nut			
R3		Nut 1$^{1}/_{2}$-8UN		T501-2001 (24)	T501-2001 (32)

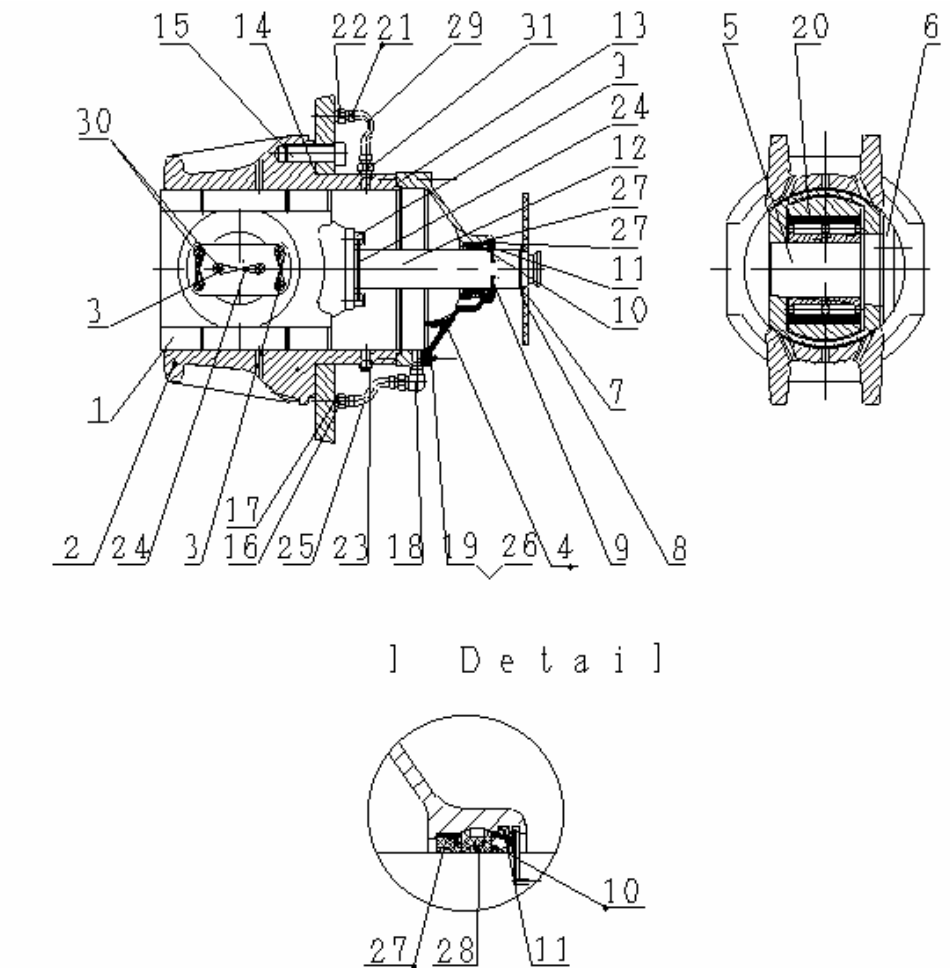
F-500/800/1000DISCHARGE STRAINER &ACCESSORY' MANIFOLD



ITEM NO	QTY	DESCRIPTION	PART NO		
			F-500	F-800	F-1000
1	1	Strainer Cap	AH0501011401	AH1001021101	AH1001021101
2	1	O-ring 165×7 （GB3452.1-82）	5303010116500700 07	5303010116500700 07	5303010116500700 07
3	1	Strainer	AH100101190200	AH100101190200	AH100101190200
4	1	Strainer Housing	——		
4A	1	Strainer Housing		——	——
5	1	Pressure Gauge 0-40Mpa (YK-150)	3802071924025115 14	3802071924025115 14	3802071924025115 14
6	1	Adapter NPT 3×1 1/2	T512-1002 R1 1/2XNPT3"	T512-1001 R1 1/2XNPT2"	T512-1001 R1 1/2XNPT2"
7	2	Elbow Assy NPT3	AH100101200100	AH100101200100	AH100101200100
8	1	Flange	——	T508-1002	T508-1002
8A	1	Joint Pipe 4"	AH05010119	——	——
9	1	Elbow Assembly	AH0501021000	AH10010212	AH10010212
10	2	Pipe NPT3			
11		Ring Gasket	T508-5001	T508-5002	T508-5002
			R39 (2)	R44	R44
12	15ml	Loctite(Lock + Tight)	1705060101002430 00 （243）	1705060101002770 00（277）	1705060101002770 00（277）
R1	1	JA-3 Shear Relief Valve	AH0000060200	AH0000060100	AH0000060100

R2	1	Pulsation Dampener	AK45350200 （ KB-45）	AK45350200 （ KB-45）	AK75350100 (KB-75)

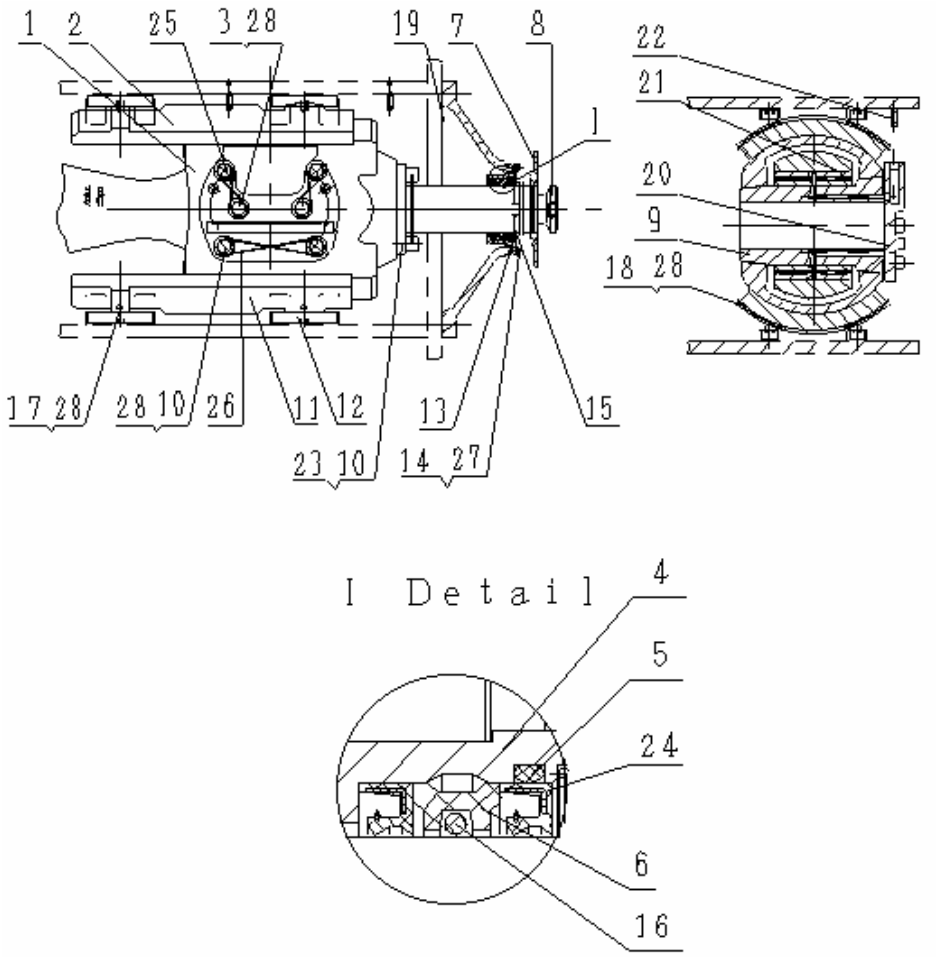
F-500 CROSSHEAD ASSEMBLY



ITEM NO	QTY	DESCRIPTION	PART NO
1	1	Crosshead	AH0501020401
2	1	Crosshead Guide	AH0501020402
3	10	Capscrew 5/8-11UNCX1 1/2	T500-2004K
4	1	Diaphragn Stuffing Box	AH0501010403
5	1	Crosshead Pin	AH0501020403
6	1	Crosshead Pin Retainer	AH0501020404
7	1	Fluid Baffle Disk	AH0501010406
8	1	Fluid Baffle Back-up Plate	AH0501010407

9	1	Locking Spring	AH0501010408
10	1	Sealing Ring	AH0501010409
11	1	O-ring 95X53.3（GB3452.1-82）	530301010950053007
12	1	Crosshead Extension	AH0501010410
13	1	O-ring	AH0501010411
14	1	O-ring 355X5.3（GB3452.1-82）	530301013550053007
15	8	Capscrew 1 1/4-7UNCX3 1/2	T500-3005
16	1	Adapter	AH0501010412
17	2	Connector ø13xø22.5	
18	1	Elbow	AH0501010413
19	6	Capscrew 3/8-16UNCX3 1/4	T500-3002
20	1	Crosshead Bearing	AH0501010414
21	2	Connector ø10xø20	
22	1	Adapter NPT1/4-M18X1.5	AH1001020507
23	1	Plug NPT1/4	T506-1002
24	4	Wire ø1.6（GB4240-84）	040104030160001900
25	1	Snap Hose Assy（C-13X1W-300）（GB1887-77）	1405070113010030 30
26	6	Locking Washer 10（GB93-76）	420503011101600000
27	2	Double Lip Oil Seal	AH0501010415
28	1	O-ring 71x5.3（GB3452.1-82）	530301010710053007
29	1	Snap Hose Assy（C-10X1W-300）（GB1887-77）	1405070110010030 30
30	8.3ml	Loctite	170506010100243000
31	1	Elbow Z1/4-M18X1.5	AH1001020506

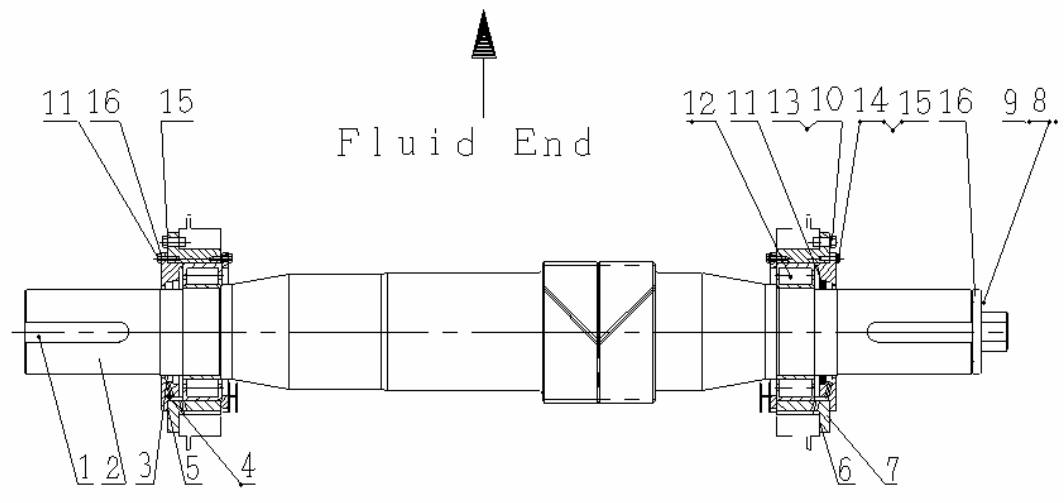
F-800/1000 CROSSHEAD ASSEMBLY



ITEM NO	QTY	DESCRIPTION	PART No.	
			F-800	F-1000
1	**1**	Crosshead	AH0801020401	AH1001020401
2	1	Crosshead Guide (upper)	AH0801010402	AH1001010402
3	2	Capscrew	T500-2015K ($^3/_4$-10UNC×1$^1/_2$)	T500-2018K (1-8UNC×2$^1/_4$)
4	1	Diaphragm Stuffing Box	AH0801010403	AH1001010403
5	1	O-ring（GB3452.1-82）	530301011600035507 (160×3.55)	530301011750035507 (175×3.55)
6	1	Sealing Ring	AH0801010404	AH1001010404
7	1	Fluid Baffle Disk	AH0801010405	AH1001010406
8	1	Crosshead Extension	AH0801020402	AH1001010407
9	1	Crosshead Pin	AH0801020403	AH1001020402
10	8	Capscrew	T500-3014K	T500-2019K

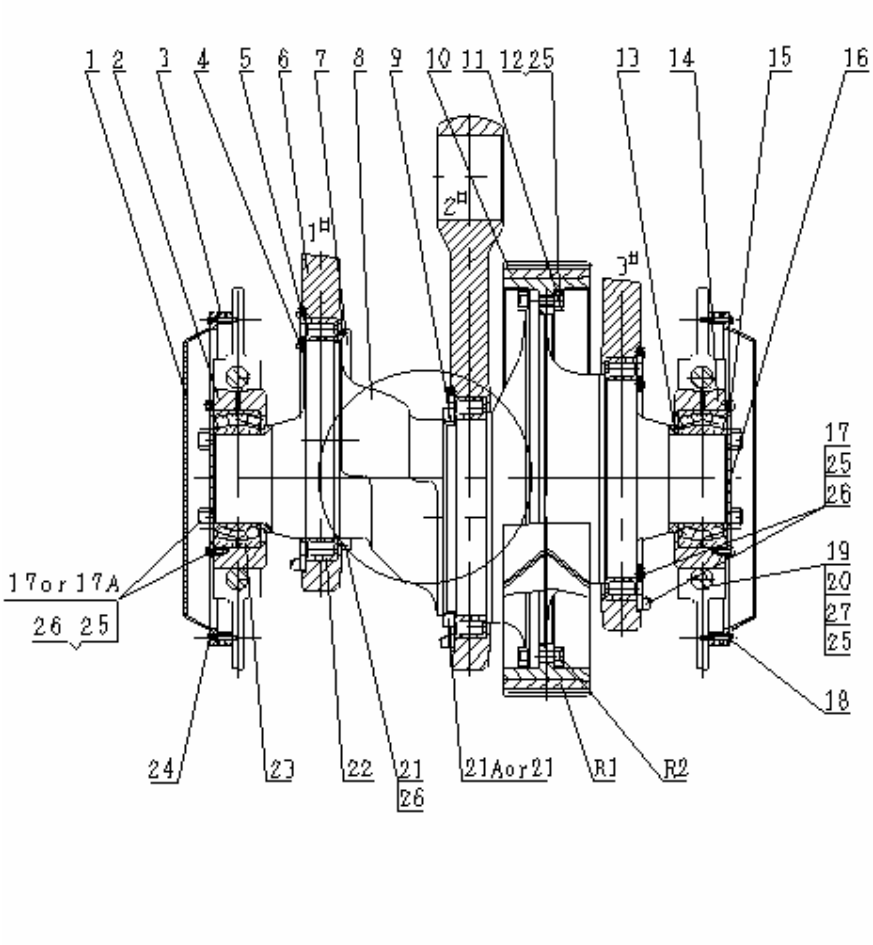
			($^{3}/_{4}$-10UNC×2)	(1-IUNC2$^{1}/_{2}$)
11	1	Crosshead Guide (Lower)	AH0801010408	AH1001010409
12	8	Locking Spring	AH0801020404	AH1001020403
13	1	O-ring（GB3452.1-82）	530301011280070007 (128×7)	530301011400070007 (140×7)
14	4	Capscrew$^{3}/_{8}$-16UNC×1	T500-1021	T500-1021
15	1	Locking Spring	AH0801010410	AH1001010411
16	1	O-ring（GB3452.1-82）	530301011030053007 (103×5.3)	530301011150053000 (115×5.3)
17	8	Capscrew	T500-3008 ($^{5}/_{8}$-11UNC×2)	T500-3009 ($^{3}/_{4}$-10UNC×2$^{1}/_{4}$)
18	8	Washer	AH100101041700	AH100101041700
19	1	Plate Gasket	AH0801010411	AH1001010413
20	1	Crosshead Pin Retainer	AH0801020405	AH1001020404
21	1	Crosshead Bearing	AH0801010413 (4G254735Q)	AH1001010415 (5G254936Q)
22	2	Male Connector$^{3}/_{8}$	AH1001010405	AH1001010405
23	2	WireΦ1.6(GB4240-84)	040104030160001900 (L=400)	040104030160001900 (L=400)
24	2	Double Lip Seal	AH0801010414 4”x5”x0.5”	AH1001010416 4.5”x5.5”x0.5”
25	2	WireΦ1.6(GB4240-84)	040104030160001900 (L=300)	040104030160001900 (L=300)
26	1	WireΦ1.6(GB4240-84)	040104030160001900 (L=500)	040104030160001900 (L=500)
27	4	Locking Washer 10 （GB93-76）	420503011101600000	420503011101600000
28	8.3ml	Loctite(Lock+Tight) 242	170506010100243000	170506010100243000

F-500/800/1000 PINION SHAFT ASSEMBLY



ITEM NO	QTY	DESCRIPTION	PART NO.		
			F-500	F-800	F-1000
1	1	Key	AH0501010301 1 1/4x1 1/4x7 1/2	AH0801010301 1 3/4”x1 3/4”x8”	AH1001010301 2”x2”x8”
2	1	Pinion Shaft	AH0501020301	AH0801020301	AH1001020301
3	2	Oil Seal Wear Ring	AH0501010303	AH0801010303	AH1001010303
4	2	Oil Seal Carrier	AH0501020302	AH0801020302	AH1001020302
5	2	Oil Seal Carrier Gasket	AH0501010305	AH0801010305	AH1001010305
6	2	Gasket	AH0501010306	AH0801010306	AH1001010306
7	2	Pinion Bearing	AH0501020303	AH0801020303	AH1001020303
8	3	Gap Screw $^{5}/_{8}$-11UNC×1$^{3}/_{4}$	T500-2003	T500-2003	T500-2003
9	3	Locking Washer 16（GB93-76）	420503011161600000	420503011161600000	420503011161600000
10	16	Cap Screw	T500-1012	T500-1012	T500-1027
			$^{3}/_{4}$-10UNC×2	$^{3}/_{4}$-10UNC×2	$^{7}/_{8}$-9UNC×2
11	2	Oil Seal	AH0501010311 5.87X7.125X0.625	AH0801010311 7.625x9.125x0.625	AH1001010311 8.5x10.5x0.625
12	2	Bearing	AH0501010312	AH0801010312	AH1001010312
			4G32828H	4G32836H	4G32840H
13	16	Locking Washer（GB93-76）	420503011201600000（20）	420503011201600000（20）	420503011221600000（22）
14	12	Locking Washer 14（GB93-76）	420503011141600000	420503011141600000	420503011141600000
15	12	Cap Screw	T500-1002	T500-1017	T500-1019
			$^{1}/_{2}$-13UNC×1$^{1}/_{4}$	$^{1}/_{2}$-13UNC×1$^{1}/_{2}$	$^{1}/_{2}$-13UNC×1$^{3}/_{8}$
16	1	Flange	AH0501010313	AH1001010313	AH1001010313

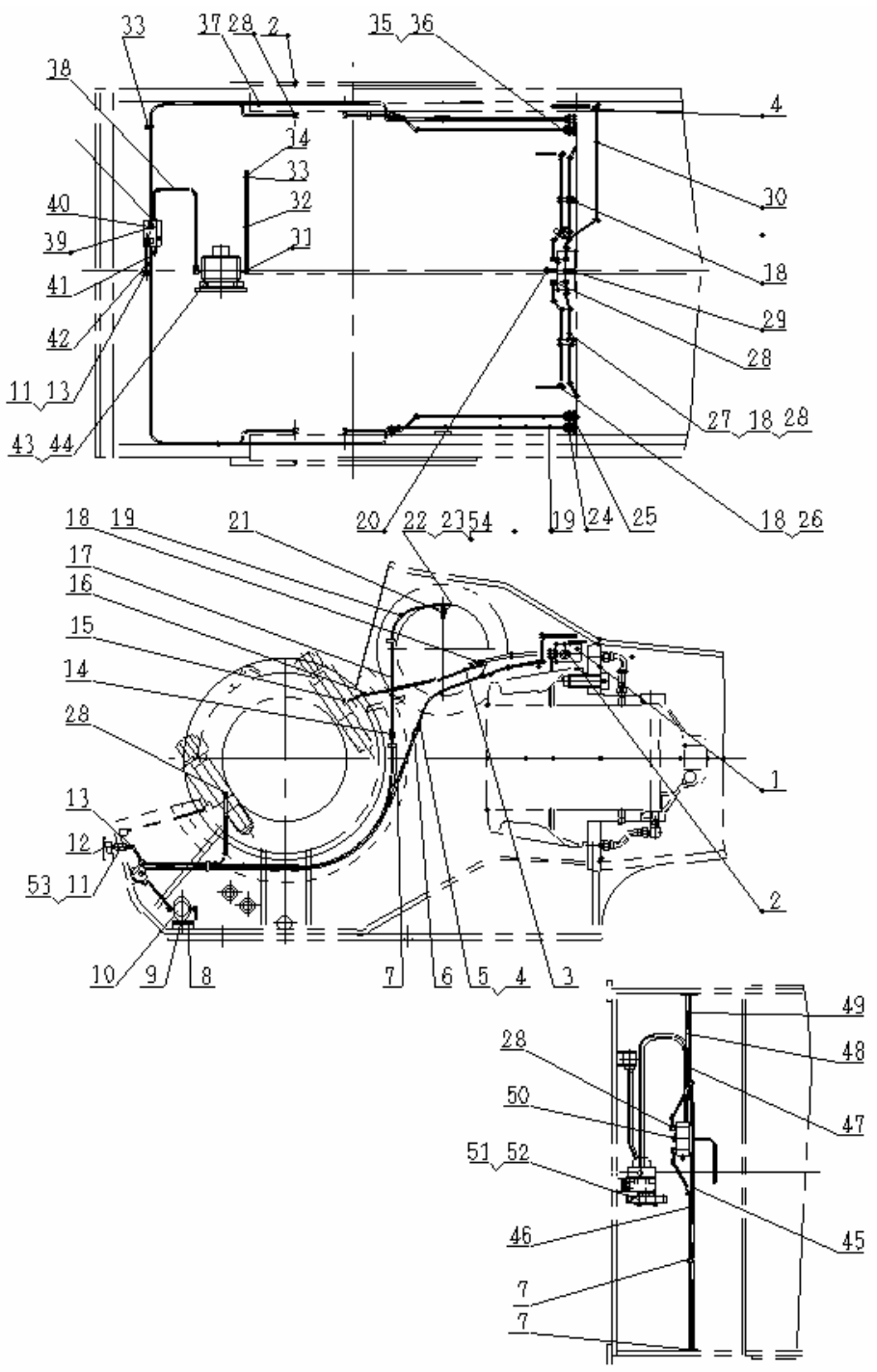
F-500/800/1000 CRANKSHAFT ASSEMBLY



ITEM NO	QTY	DESCRIPTION	PART NO		
			F-500	F-800	F-1000
1	2	Main Bearing Cover	AH050101020100	AH080101020100	AH100101020100
2	1	Bearing Carrier, Right	AH0501020201	AH0801020201	AH1001020201
3	2	Gasket Main Brg. Cover	AH0501010203	AH0801010203	AH1001010203
4	2	Inner Race Retainer	AH0501010204	AH0801010204	AH1001010204
5	3	Outer Race Retainer	AH050101020500	AH080101020500	AH100101020500
6	3	Eccentric Strap	AH0501020202	AH0801020202	AH1001020202
7	1	Inner Race Retainer (I)	AH0501020203	AH0801020203	AH1001020203
8	1	Crankshaft	AH050102020400	AH080102020400	AH100102020400
9	1	Inner Race Retainer (II)	AH0501020205	AH0801020205	AH1001020205
10	1	Eccentric Ring Gear	AH0501010210	AH0801010210	AH1001010219
11	12	Capscrew	T500-2006	T500-2013	T500-2017
			$^{7}/_{8}$-9UNC×3$^{1}/_{2}$	1$^{1}/_{4}$-7UNC×4	1$^{1}/_{4}$-7UNC×4$^{1}/_{2}$
12	12	Locking Nut	T501-301.00	T501-302.00	T501-302.00

			$^{7}/_{8}$-9UNC	$1^{1}/_{4}$-7UNC	$1^{1}/_{4}$-7UNC
13	2	Spacer, Main Bearing	AH0501010211	AH0801010211	AH1001010211
14	1	Bearing Carrier, Left	AH0501020206	AH0801020207	AH1001020206
15	2	Quter Race Retainer	AH0501010213	AH0801010214	AH1001010213
16	2	Inner Race Retainer	AH0501010214	AH0801010215	AH1001010214
17		Capscrew	T500-2002K (28)	T500-1018K (72)	T500-1018K (72)
			$^{5}/_{8}$-11UNC×$1^{1}/_{4}$	$^{5}/_{8}$-11UNC×$1^{1}/_{2}$	$^{5}/_{8}$-11UNC×$1^{1}/_{2}$
17A		Capscrew$^{1}/_{2}$-13UNC×$1^{1}/_{4}$	T500-2001K (24)	——	——
18	28	Capscrew	T500-1008	T500-1008	T500-1008
			AH051020207	AH0801020206	AH1001010215
19	4	Housing Bolt Main Bearing	AH050101021500	AH080101021200	AH100101021600
20		Shim Set	T500-2006	T500-2013	T500-2017
21		Outer Race Retainer	T500-3004K (2)	T500-3004K (2)	T500-3004K (4)
21A		Capscrew	T500-3001K	T500-3006K	——
			$^{1}/_{2}$-13UNC×4	$^{5}/_{8}$-11UNC×$4^{3}/_{4}$	
22	3	Eccentric Bearing	AH0501010216	AH0801010216	AH1001010217
			92984QU	928/508QU	929/558.8QU
23	2	Bearing	AH0501010217	AH0801010217	AH1001010218
			3053738U	3053748H	4053156H
24	28	Sealing Washers 16（GB848-87）	4205010361602000 00	420501036160200 000	420501036160200 000
25	90ml	Loctite(Lock+Tight)242	170506010100243000	170506010100243000	170506010100243000
26	25m	Safty Wire Φ1.5（GB343-82）	0605010216000000 00	060501021600000 000	060501021600000 000
27	1.6m	Safty Wire Φ3（GB343-82）	0605010212000000 00	060501021200000 000	060501021200000 000

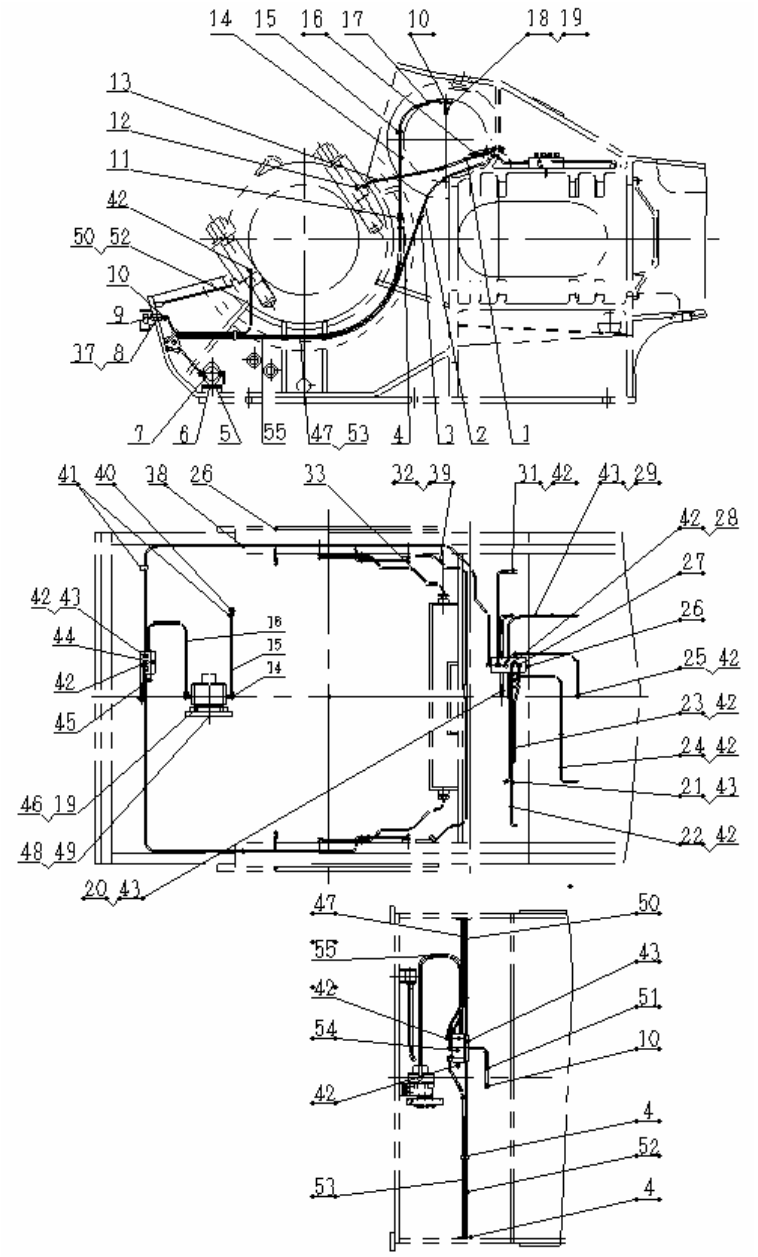
F-500 LUBRICATION ASSEMBLY



ITEM NO	QTY	DESCRIPTION	PART NO
1	1	Manifold (1)	AH0501010601
2	5	Pipe Plug NPT 1/4	T506-1002
3	2	Tbg Clamp (I)	AH050102060100
4	1	Copper Tbg Assy. Ø10（GB1527-87）	051102010100010002
5	1	Male Connector（JB/ZQ4408-86）	520901010330010010
6	1	Male Connector Elbow（GB5630.1-85）	520901010050010010
7	3	Tbg Clamp-Double Ø8	AH050102060200
8	1	Oil Pump Mtg. Plate	AH050102060300
9	set	Shim Set	AH100101060400
10	1	2S Gear Pump	512601010031000000
11	1	Pipe Connector	T512-3001
12	1	Pressure Gauge (0~16Mpa) (Y60Z)	380202051160006020
13	3	Male Connector Elbow(GB5650-85)	520902540320120100
14	2	Tube Union(GB5628.1-85)	520901010050050050
15	2	Male Connector Elbow	T511-3002
16	2	Copper Tbg Assy. Ø12（GB1527-87）	051102010120010002
17	2	Copper Tbg Assy. Ø8（GB1527-87）	051102010080010002
18	7	Tbg Clamp 8	AH050102060400
19	2	Copper Tbg Assy. Ø12（GB1527-87）	051102010120010002
20	1	Copper Tbg Assy. Ø8（GB1527-87）	051102010080010002
21	2	Oil Jet	AH0501010603
22	4	Cap Screw 1/4-20UNCX3/8	T500-1007
23	4	Locking Washer 8(GB93-87)	420503011081600000
24	2	Connector（JB/ZQ4408-86）	520901010330020020
25	2	Connector	T513-1007
26	2	Copper Tbg Assy. Ø8（GB1527-87）	051102010080010002
27	2	Copper Tbg Assy. Ø8（GB1527-87）	051102010080010002
28	12	Male Connector Elbow(JB/ZQ4408-86)	520901010330050050
29	1	Copper Tbg Assy. Ø8（GB1527-87）	051102010080010002
30		Tbg Clamp	AH050102060500
31	2	Male Connector Elbow(JB/ZQ4408-86)	520901010350040040
32	1	Copper Tbg Assy. Ø16（GB1527-87）	051102010160015002
33	2	Male Connector（JB/ZQ4408-86）	520901010330040040
34	1	Oil Filter Assy.	AH100101061000
35	2	Female Adapter Union	AH1001010608
36	2	Copper Washer(GB5651-85)	520902551280120100
37	2	Tbg Clamp	AH050102060600
38	1	Copper Tbg Assy. Ø16（GB1527-87）	051102010160015002
39	1	Manifold (Ⅱ)	AH1001010611

ITEM NO	QTY	DESCRIPTION	PART NO
40	1	Male Connector(JB/ZQ4410-86)	520901010350050050
41	1	Relief Valve（YYFJ-L20）	512604900000032002
42	1	Copper Tbg Assy. Ø8（GB1527-87）	0511020100800100002
43	4	Cap Screw 5/16-18UNCX1 5/8	T500-3003
44	4	Locking Washer(GB93-76)	420503011081600000
45	1	Copper Tbg Assy. Ø8（GB1527-87）	0511020100800100002
46	1	Copper Tbg Assy. Ø8（GB1527-87）	0511020100800100002
47	1	Copper Tbg Assy. Ø8（GB1527-87）	0511020100800100002
48	1	Copper Tbg Assy. Ø10（GB1527-87）	0511020101000100002
49		Copper Tbg Assy. Ø8（GB1527-87）	0511020100800100002
50	2	Male Connector Elbow	T511-3003
51	2	Key 4.76X4.76X25.4	T516-2001
52	2	Oil Pump Gear Assy.	AH050102060700
53	2	Copper Washer	
54	4	Washer 6	

F-800/1000 LUBRICATION ASSEMBLY

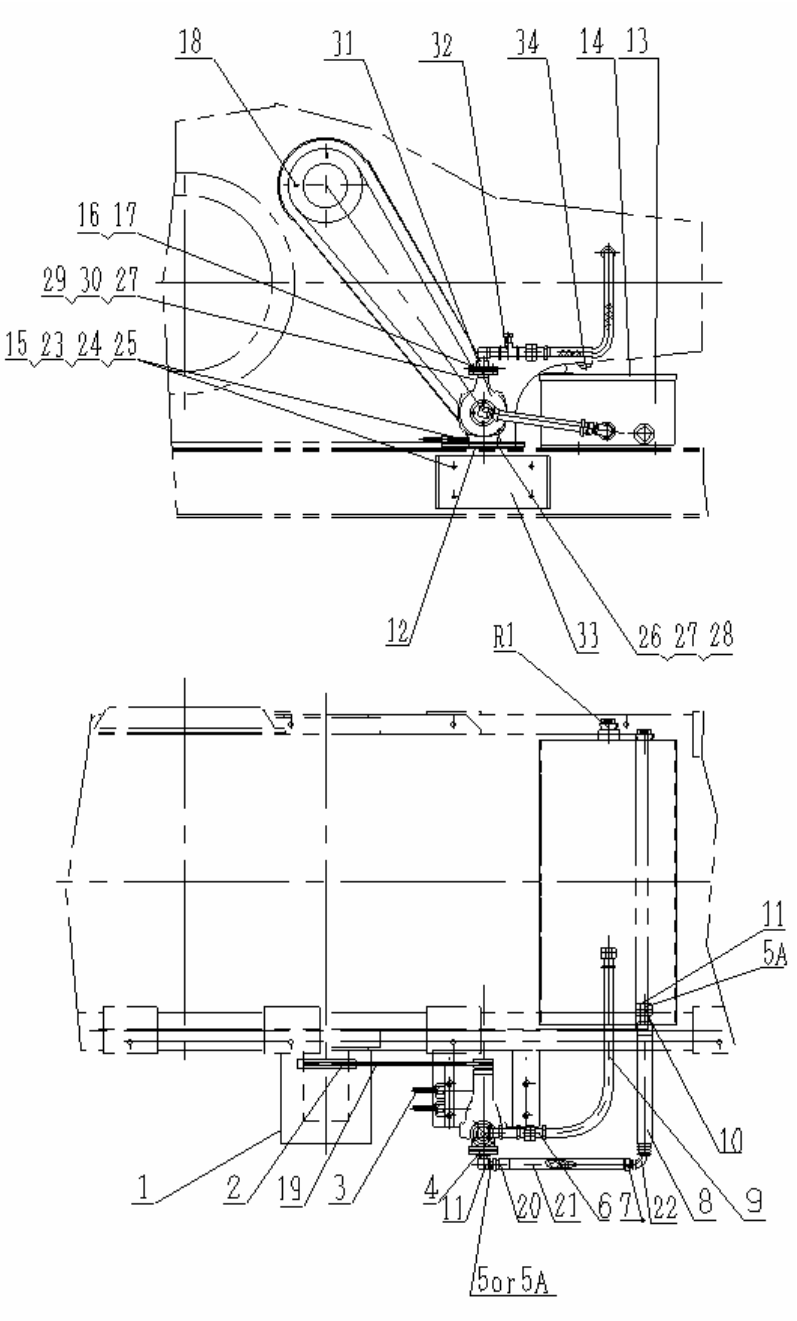


ITEM NO	QTY	DESCRIPTION	PART NO	
			F-800	F-1000
1	4	Tbg Clamp (I)	AH050102060100	AH050102060100
2	1	Cooper Tbg Assy Φ10 (GB1527-87)	051102010100010003 (1143)	051102010100010002 (1270)
3	1	Connector (JB/ZQ4408-86)	520901010330010010	520901010050010010
4		Tbg Clamp-Double Φ8	AH050102060200(2)	AH050102060200 (3)
5	1	Oil Pump Mtg Plate	AH080102060300	AH100102060100
6	Set	Shim Set	AH100101060400	AH100101060400
7	1	Oil Pump	512601010031000000	512601010031000000
8	1	Connector NPT$^{1}/_{8}$	T001-0401	T001-0401
9	1	Pressure Gauge<$^{0\text{-}1.5MPa}_{M14\times1.5}$> (Y60-Z)	380202051160006021	380202050060006020
10		Connector Elbow	T001-2202	T001-2203
11	2	Connector (JB/ZQ4408-86)	520901010050050050	520901010050050050
12	2	Connector Elbow (JB/ZQ4408-86)	520901010330020020	520901010330020020
13	2	Copper Tbg Assy Φ12 (GB1527-87)	051102010120010002 (787)	051102010120010002 (630)
14	2	Copper Tbg Assy Φ8 (GB1527-87)	051102010080010002 (889)	051102010080010002 (966)
15		Tbg Clamp Φ8	AH050102060400 (14)	AH050102060400 (13)
16	2	Copper Tbg Assy Φ12 (GB1527-87)	051102010120010002 (890)	051102010120010002 (230)
17	2	Oil Jet	AH0801010601	AH1001010606
18	4	Capscrew $^{1}/_{4}$-20UNC × $^{3}/_{4}$	T500-1007	T500-1007
19	8	Locking Washer 8 (GB93-76)	420503011081600000	420503011081600000
20		Copper Tbg Assy Φ8 (GB1527-87)	051102010080010002 (1) (254)	051102010080010002 (2) (305)
21	1	Copper Tbg Assy Φ8 (GB1527-87)	051102010080010002 (711)	051102010080010002 (838)
22	1	Copper Tbg Assy Φ8 (GB1527-87)	051102010080010002 (1295)	051102010080010002 (584)
23	1	Copper Tbg Assy Φ8 (GB1527-87)	051102010080010002 (432)	051102010080010002 (940)
24	1	Copper Tbg Assy Φ8 (GB1527-87)	051102010080010002 (890)	051102010080010002 (1016)
25	1	Copper Tbg Assy Φ8		

ITEM NO	QTY	DESCRIPTION	PART NO	
			F-800	F-1000
26	5	Pipe Plug NPT$^{1}/_{4}$	T506-1002	T506-1003
27	1	Manifold (I)	AH1001010607	AH1001010607
28	1	Copper Tbg Assy Φ8 (GB1527-87)	051102010080010002 (508)	051102010080010002 (153)
29	1	Copper Tbg Assy Φ8 (GB1527-87)	051102010080010002 (610)	051102010080010002 (737)
30		Loctite 609	170506010100609000	170506010100609000
31	1	Copper Tbg Assy Φ8 (GB1527-87)	051102010080010002 (1016)	051102010080010002 (661)
32	2	Connector 45^{0}		AH1001010608
33	2	Connector Elbow		
34	2	Connector Elbow		
35	1	Copper Tbg Assy Φ16 (GB1527-87)	051102010160015002 (330)	051102010160015002 (331)
36	1	Copper Tbg Assy Φ16 (GB1527-87)	051102010160015002 (635)	051102010160015002 (686)
37	1	Copper washer14	T514-1001	T514-1001
38	2	Tbg Clamp-triple Φ8	AH080102060200	AH080102060200
39	2	Connector Washer		520902551280120100
40	1	Oil Filter Assy	AH100101061000	AH100101061000
41	2	Connector (JB/ZQ4408-86)	520901010330040040	520901010330040040
42		Connector Elbow (JB/ZQ4410-86)	520901010350050050 (3)	520901010350050050 (12)
43	5	Connector (JB/ZQ4408-86)	520901010330050050 (17)	520901010330050050 (5)
44	1	Manifold (II)	AH1001010611	AH1001010611
45	1	Relief Valve(YYFJ-L20)	512604900000032002	512604010001202000
46	4	Capscrew $^{5}/_{16}$-18UNC × $1^{5}/_{8}$	T500-3003	T500-3003
47	1	Copper Tbg Assy Φ8 (GB1527-87)	051102010080010002 (1295)	051102010080010002 (1651)
48	1	Oil Pump Gear Assy	AH080102060100	AH080102060100
49	1	Key 4.76×4.76×25.4	T516-2001	T516-2001
50	1	Copper Tbg Assy Φ8 (GB1527-87)	051102010080010002 (965)	051102010080010002 (1016)
51	1	Copper Tbg Assy Φ8 (GB1527-87)	051102010080010002 (203)	051102010080010002 (267)
52	1	Copper Tbg Assy Φ8 (GB1527-87)	051102010080010002 (1295)	051102010080010002 (1372)
53	1	Copper Tbg Assy Φ8	051102010080010002	051102010080010002

ITEM NO	QTY	DESCRIPTION	PART NO	
			F-800	F-1000
		（GB1527-87）	（1804）	（2007）
54	2	Connector Elbow （JB/ZQ4408-86）	520901010330010010	520901010330010010
55	1	Copper Tbg Assy φ10（GB1527-87）	051102010100010002 （1448）	051102010100010002 （1651）

F-500/800/1000 PISTON & LINER WASH



ITEM NO	QTY	DESCRIPTION	PART NO		
			F-500	F-800	F-1000
1	1	Belt Guard	AH050101080300 AH050101080500	AH080101080200 AH080101080800	AH100102080100 AH100102080400
2	1	Sheave	AH0501010801	AH0801010801	AH1001010802
3	1	Support Gassy	AH050102080100	AH050102080100	AH100102080200
4	1	Elbow NPT1-G1	AH1001010804	AH1001010804	AH1001010804
5		Connector NPT1	——	——	AH1001010805（1）
5A		Connector NPT1-M33×2	AH100101051805（3）	AH100101051805 (3)	AH100101051805（1）
6	1	Connector G1-M33×2	AH1001010806	AH1001010806	AH1001010806
7		Connector ZG2$^{1}/_{2}$	——	——	AH1001010807（1）
8		Connector ZG2$^{1}/_{2}$-NPT2$^{1}/_{2}$	——	——	AH1001010808（1）
9		Hose φ22×φ37	1405010102201000 00（按需）	1405010102201000 00（按需）	1405010102201000 00（按需）
10		Connector φ22×φ37	AH100101080900 (4)	AH100101080900 (4)	AH100101080900（2）
11	3	Elbow NPT 1×90^{0}	AH1001010810	AH1001010810	AH1001010810
12	2	Connection Plate	AH0801020801	AH0801020801	AH1001020803
13	1	Tank	AH080101080400	AH080101080400	AH100101081200
14	1	Tank Cover	AH080101080300	AH080101080300	AH100101081300
15	8	Nut $^{5}/_{8}$-11UNC	T501-1002	T501-1002	T501-1002
16	2	Washer	AH1001010814	AH1001010814	AH1001010814
17	2	Flange NPT1	AH1001010815	AH1001010815	AH1001010815
18	2	Locking Capscrew (GB73-85)	4201030283080025 00	4201030283080025 00	4201030283080025 00
19	2	V belt(GB1171-74)	1403010120274300 00	1403010120340400 00	1403010120315000 00
			A2743	A3404	A3150
20	2	Pipe Clamp NO.3	——	——	0614010103800000 00
21	1	Hose	1405010102201000 00 （φ22×φ37）	1405010102201000 00 （φ22×φ37）	1405010103803053 00 φ38×φ53
22	1	Elbow 90^{0} ZG2$^{1}/_{2}$	——	——	5202070504006500 02
23	8	Capscrew $^{5}/_{8}$-11UNC×2	T500-1011	T500-1011	T500-1011
24	8	Locking Washer 16 (GB93-87)	4205030111616000 00	4205030111616000 00	4205030111616000 00

ITEM NO	QTY	DESCRIPTION	PART NO		
			F-500	F-800	F-1000
25		Washer 16(GB95-86)	420501060160100000	420501060160100000	420501060160100000
26	4	Capscrew $^{1}/_{2}$-13UNC $\times 1^{5}/_{8}$	T500-1004	T500-1004	T500-1004
27	12	Locking Washer 14 (GB93-87)	420503011141600000	420503011141600000	420503011141600000
28	4	Washer 12(GB95-86)	420501060120100000	420501060120100000	420501060120100000
29	8	Capscrew $^{1}/_{2}$-13UNC $\times 2^{1}/_{4}$	T500-1005	T500-1005	T500-1005
30	8	Nut$^{1}/_{2}$-13UNC	T501-1001	T501-1001	T501-1001
31	1	Pump	AH100101081600	AH100101081600	AH100101081600
32	1	G1″ Globe Valve (Q11F-16)	44130501110416102 5	44130501110416102 5	51270430002407025 0
33	1	Pump Support	AH050102080200	AH080102080200	AH100101081700
34	1	Connector NPT2$^{1}/_{2}$	T513-1004	T513-1004	T513-1004
R1	1	Pipe Plug	T506-1006 (5)	T506-1006 (3)	
			NPT1	NPT1	

F-500/800/1000 TOOL LIST

ITEM NO	QTY	DESCRIPTION	PART NO.		
			F-500	F-800	F-1000
1	1	Cylinder Head Plug Tool			
2	1	Seat Lifting Tool	AH050101150300	AH100101210600	AH100101210600
3	1	Charging Hose	AH10010213010	AH100102130100	AH100102130100
4	1	Manual Hydraulic PUMP 70Mpa（PSH-II）	5126050400001170 00	5126050400001170 00	5126050400001170 00

F-500/800/1000 SPARE PARTS LIST

ITEM NO	QTY	DESCRIPTION	PART NO.		
			F-500	F-800	F-1000
1	3	Oil Seal	AH0501010508	AH1001010508	AH1001010508
2	6	Oil Seal	AH0501010504	AH1001010504	AH1001010504
3	3	O-ring 44	——	T508-5002	T508-5002
4	2	Seal Washer	AH10010109	AH10010109	AH10010109
5	3	Sealing Ring	AH0501010409	AH0801010404	AH1001010404
6		O-ring 39	T508-5001（3）	T508-5001 (1)	T508-5001（1）
7	1	Buffer	AH0000060106	AH0000060106	AH0000060106
8	1	Bladder	AK4535010100	AK4535010100	AK7535010200
9	3	Locking Clip	AH0501010517	AH1001010519	AH1001010519

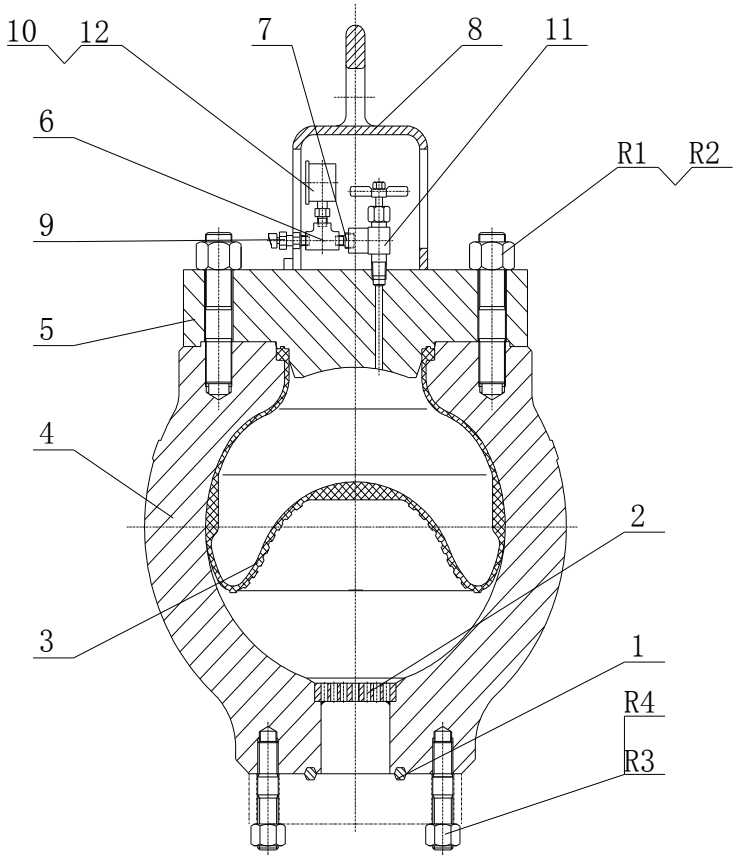
SECTION 3

KB-45/75 PULSATION DAMPENER

PARTS BOOK AND DRAWING LIST

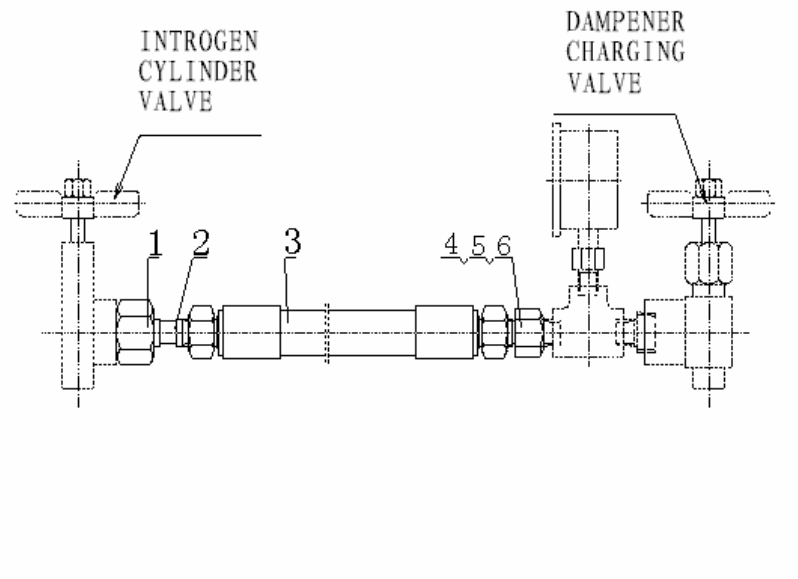
DESCRIPTION	PART NO.	PAGE
KB-45/75 Pulsation Dampener	AK45350200/ AK75350200	90
Pulsation Dampener	AH100102130100	93
Charging Hose & nstructions		

KB45/75 PULSATION DAMPENER



ITEM NO	QTY	DESCRIPTION	PART NO	
			KB-45	KB-75
1	1	Sealing Ring 39	T508-5001	T508-5001
2	1	Bottom Plug	AK75350101	AK75350101
3	1	Bladder	AK4535010100	AK7535010200
4	1	Studded Assembly	AK4535020100	AK7535020100
5	1	Head	AK45350103	AK75350202
6	1	Steel Pipe Tee $^{1}/_{4}''$	AK75350105	AK75350105
7	1	Close Nipple $^{1}/_{4}''$	AK75350106	AK75350106
8	1	Gauge Cover	AK4535010400	AK7535020300
9	1	Purge Valve(PTC1-L8)	512604900000030801	512604900000030801
10	1	Pressure Gauge O-25Mpa (Y-60)	380101052250006021	380101052250006021
11	1	Needle Valve $^{1}/_{4}''$ (JZR3-L8)	512604900000020801	512604900000020801
12	1	Sealing Washer	T514-1001	T514-1001

PULSATION DAMPENER CHARGING HOSE & INSTRUCTIONS



ITEM NO.	QTY	DESCRIPTION	PART NO.
1	1	Nut	AH100102120101
2	1	Sealing Connector	AH100102120102
3	1	Hose M14×1.5 (JB1887-77)	520901050030080084
4	1	Connector	AH100101210703
5	1	Gasket	AH100101210704
6	1	Pipe Plug	AH100101210705

CHARGING INSTRUCTIONS

1.Remove dampener gauge cover. Bleed off any existing pressure in gage area by turning purge valve cap approximately 1/4 to 1/2 turn. Remove purge valve.

2.Connect charging hose to dampener charging valve and nitrogen cylinder valve.

3.Open dampener charging valve.

4.Open cylinder valve slowly. Use this valve to regulate flow to dampener.

5.When dampener gauge shows desired charging pressure, close cylinder valve.

6.Close dampener valve.

7.Remove hose from dampener charging valve and replace gage cover.

For best results. dampener precharge pressure should be not more than 2/3 of pump discharge pressure. Maximum precharge 650 PSI.

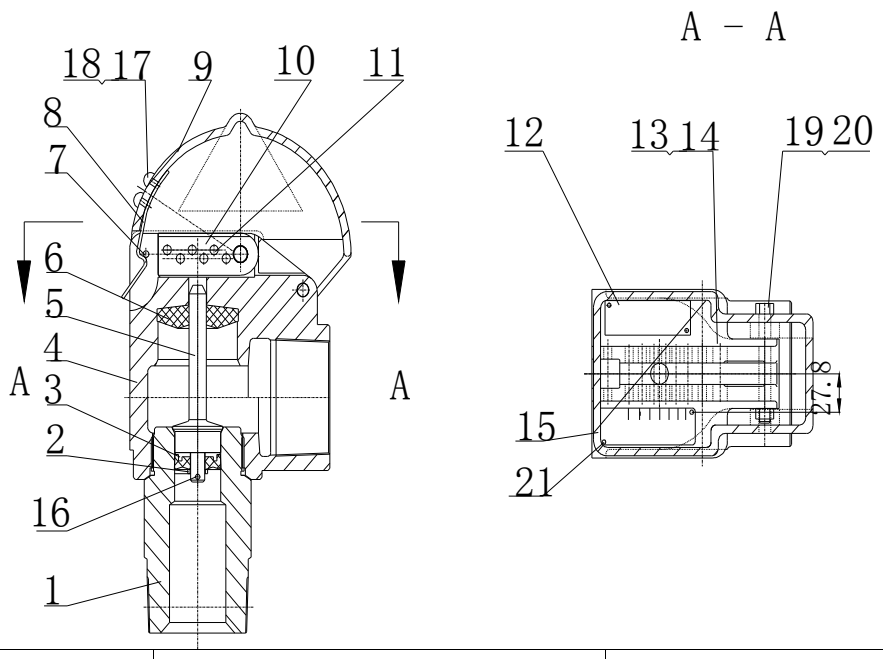
CAUTION: USE ONLY COMPRESSED NITROGEN OR AIR---DO NOT CHARGE WITH OXYGEN.

SECTION 4

JA-3 SHEAR RELIEF VALVE
PARTS BOOK & DRAWING LIST

DESCRIPTION	PART NO.	PAGE
JA-3 SHEAR RELIEF VALVE	AH0000060200	96

JA-3 SHEAR RELIEF VALVE



ITEM NO.	QTY	DESCRIPTION	PART NO.
1	1	Adapter Bushing	AH0000060101
2	1	Plain Washer	AH0000060102
3	1	Plunger Seal	AH0000060103
4	1	Body	AH0000060104
5	1	Plunger Stem	AH0000060105
6	1	Bumper	AH0000060106
7	1	Roll Pin	AH0000060107
8	1	Cover Spring	AH0000060108
9	1	Cover	AH0000060109
10	1	Shear Bar	AH0000060110
11	1	Shear Pin	AH0000060111
12	1	Warning Plate	AH0000060112
13	1	Shear Bar Pin	AH0000060113
14	2	Retainer Ring	AH0000060114
15	1	Name Plate	AH0000060115
16	1	Cotter Pin 4×26 (GB91-86)	420703020504002600
17	2	Nut M4 (GB41-86)	420402080040200000
18	2	Capscrew M4×16 (GB67-86)	420101021104001600
19	1	Bolt $^{3}/_{8}$-16UNC×4$^{1}/_{4}$ (GB5780-86)	420201070710110010
20	1	Nut $^{3}/_{8}$-16UNC (GB41-86)	420402080100200000
21	4	Capscrew M3×8 (GB67-86)	420101020703000800