



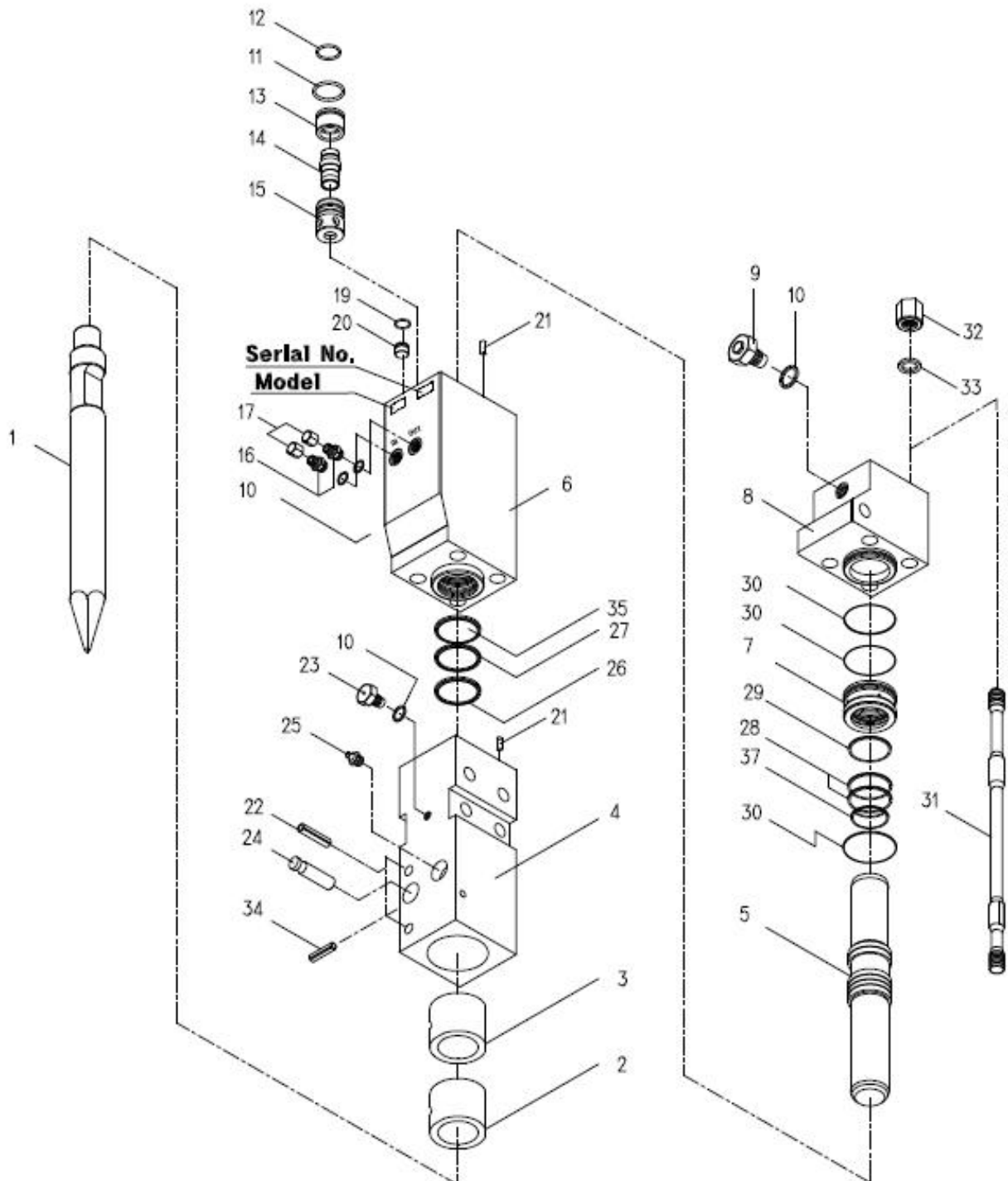
BHI **HydroRam** **Hydraulic Hammer**

HK10 **Parts List**



■ HK10 POWER CELL PARTS LIST

HK10 POWER CELL



■ HK10 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D1000000	POWER CELL ASSEMBLY	1	23	DK000080	POPPET VALVE	1
1	D1000190	TOOL(MOIL)	1	24	D1000150	RETAINER PIN	1
1-1	D1000200	TOOL(H-WEDGE)	0	25	13007810	GREASE NIPPLE	1
1-2	D1000220	TOOL(CONE)	0	26	22002380	DUST SEAL	1
1-3	D1000230	TOOL(BLUNT)	0	27	22003650	U PACKING SEAL	1
1-4	D1000210	TOOL(V-WEDGE)	0	28	22004200	U PACKING SEAL	2
1-5	D1000260	TOOL(SPADE H-WEDGE)	0	29	22200240	GAS SEAL	1
1-6	D1000270	TOOL(SPADE V-WEDGE)	0	30	22401400	O-RING	3
2	D1000160	TOOL HOLDER BUSHING	1	31	D1000120	TENSION BOLT	4
3	D1000170	ROUND BUSHING	1	32	D1000130	TOP NUT	4
4	D1000030	TOOL HOLDER	1	33	D1000140	TOP NUT WASHER	4
5	D1000040	PISTON	1	34	*	*	*
6	D1000010	CYLINDER	2	35	22000330	BUFFER RING SEAL	1
7	D1000070	CYLINDER BUSHING	1	*36	16801020	SPRING HOSE(PF*PF)	0
8	D1000020	HEAD CAP	1	36-1	16804020	SPRING HOSE(JIC*JIC)	2
9	D7000200	GAS VALVE ASSEMBLY	1	36-2	16811090	SPRING HOSE(ORFS*ORFS)	0
10	22402070	O-RING	4	36-3	16804130	HOSE(FOR SKID, JIC*JIC)	0
11	22402180	O-RING	1	37	22000340	BUFFER RING SEAL	1
12	22401320	O-RING	1	*	*	*	*
13	D1005110	MAIN VALVE CAP	1	*	D1691000	HEAD CAP SET	*
14	D1005090	MAIN VALVE	1	*	D1691100	CYLINDER SET	*
15	D1005100	MAIN VALVE CASE	1	*	D1691200	TOOL HOLDER SET	*
16	13008830	O-RING ADAPTER(PF*PF)	0	*	D1691400	TENSION BOLT SET	*
16-1	13009330	O-RING ADAPTER(FP*JIC)	2	*	D1691300	MAIN VALVE SET	*
16-2	13009520	O-RING ADAPTER(PF*ORFS)	0	MEMO			
17	13007110	UNION CAP(PF)	0				
17-1	13007040	UNION CAP(JIC)	2				
17-2	13007420	UNION CAP(ORFS)	0				
*18	13006530	HOSE PLUG(PF)	0				
18-1	13008400	HOSE PLUG(JIC)	2				
18-2	13008220	HOSE PLUG(JIC)	0				
19	22402000	O-RING	3				
20	D1000280	TEFRON PLUG	3				
21	DG000260	PIN	4				
22	D1000240	SPRING PIN	3				

■ HK10 SPARE SEAL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D1691500	SPARE SEAL KIT	1	MEMO			
1	22402070	O-RING	4				
2	22402180	O-RING	1				
3	22401320	O-RING	1				
4	D1000280	TEFRON PLUG	3				
5	22402000	O-RING	3				
6	22002380	DUST SEAL	1				
7	22003650	U PACKING SEAL	1				
8	22004200	U PACKING SEAL	2				
9	22200240	GAS SEAL	1				
10	22401400	O-RING	3				
11	22000330	BUFFER RING SEAL	1				
12	22000340	BUFFER RING SEAL	1				

■ HK10 TOOL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty			Remarks
			Side	Top	Silence	
0	-	TOOL KIT	D1691600	D1691710	D1691810	HK10
1	16502990	TOOL BOX	1	1	1	No.2
2	16500260	COMBI SPANNER	1	1	1	14mm
3	16502100	DOUBLE SPANNER	1	1	1	27x30mm
4	16501140	L-WRENCH	1	1	1	5mm
5	16501150	L-WRENCH	1	1	1	6mm
6	16502470	SINGLE SPANNER	1	1	1	24mm

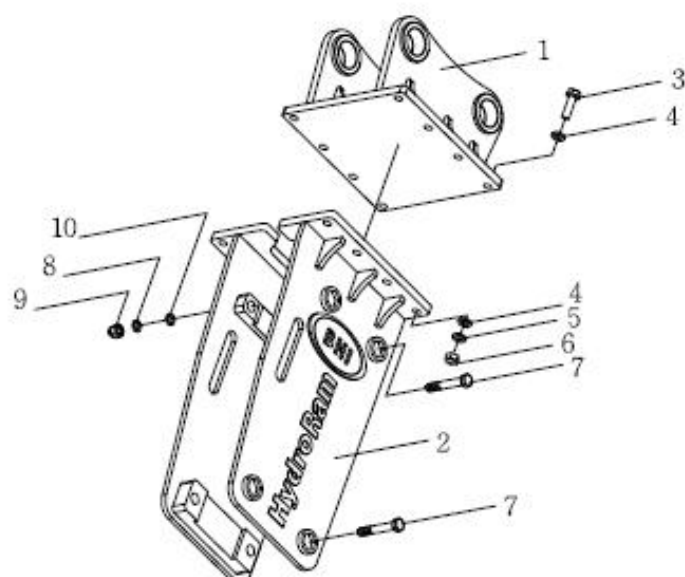
■ HK10 N2 GAS CHARGING KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO			
0	D1698000	N ₂ GAS CHARGING KIT	1				
1	13105900	N ₂ GAS 3-WAY VALVE ASSEMBLY	1				
2	16802000	N ₂ HOSE	1				
3	13105910	N ₂ COUPLING KIT	1				
4	13105930	N ₂ GAS CYLINDER	1				
5	DF300520	EXTENSION STICK	1				

HK10 BRACKET PARTS LIST

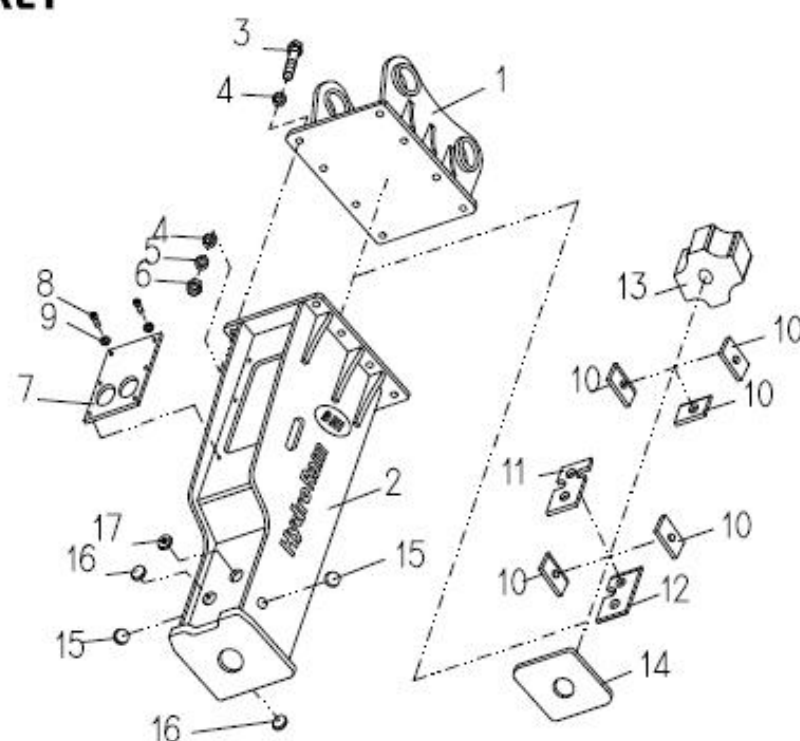
HK10

TOP BRACKET



BHI

SILENCE BRACKET



BHI

■ HK10 BRACKET PARTS LIST

■ HK10 TOP BRACKET				■ HK10S SILENCE BRACKET			
No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D1200000	TOP BRACKET ASSEMBLY	1	0	D1300000	SILENCE BRACKET ASSEMBLY	1
1	D1200070	TOP BRACKET	1	1	D1200050	TOP BRACKET	1
2	D1200010	SIDE PLATE BRACKET	1	2	D1300010	SILENCE BRACKET	1
3	20007140	HEX HEAD BOLT	12	3	20007140	HEX HEAD BOLT	8
4	13000090	FLAT WASHER	24	4	13000090	FLAT WASHER	16
5	13001090	SPRING WASHER	12	5	13001090	SPRING WASHER	8
6	12001450	HEX HEAD NUT	12	6	12001450	HEX HEAD NUT	8
7	20007740	HEX HEAD BOLT	4	7	D1300020	COVER	1
8	13001100	SPRING WASHER	4	8	20210700	HEX SOCKET HEAD BOLT	6
9	12001460	HEX HEAD NUT	4	9	13000050	FLAT WASHER	6
10	13000100	FLAT WASHER	4	10	D1300030	SIDE WEAR PLATE	5
*	D1693010	SET BOLT SET	*	11	D1300040	LOW FRONT WEAR PLATE(1)	1
*	D1695100	DECAL KIT(TOP)	*	12	D1300050	LOW FRONT WEAR PLATE(2)	1
MEMO				13	D1300070	UPPER CUSHION	1
				14	D1300080	DOWN CUSHION	1
				15	D1300100	RUBBER PLUG	2
				16	D1300120	RUBBER PLUG	2
				17	D1300110	GREASING PLUG	1
				*	D1695200	DECAL KIT(SILENCE TYPE)	*
				MEMO			



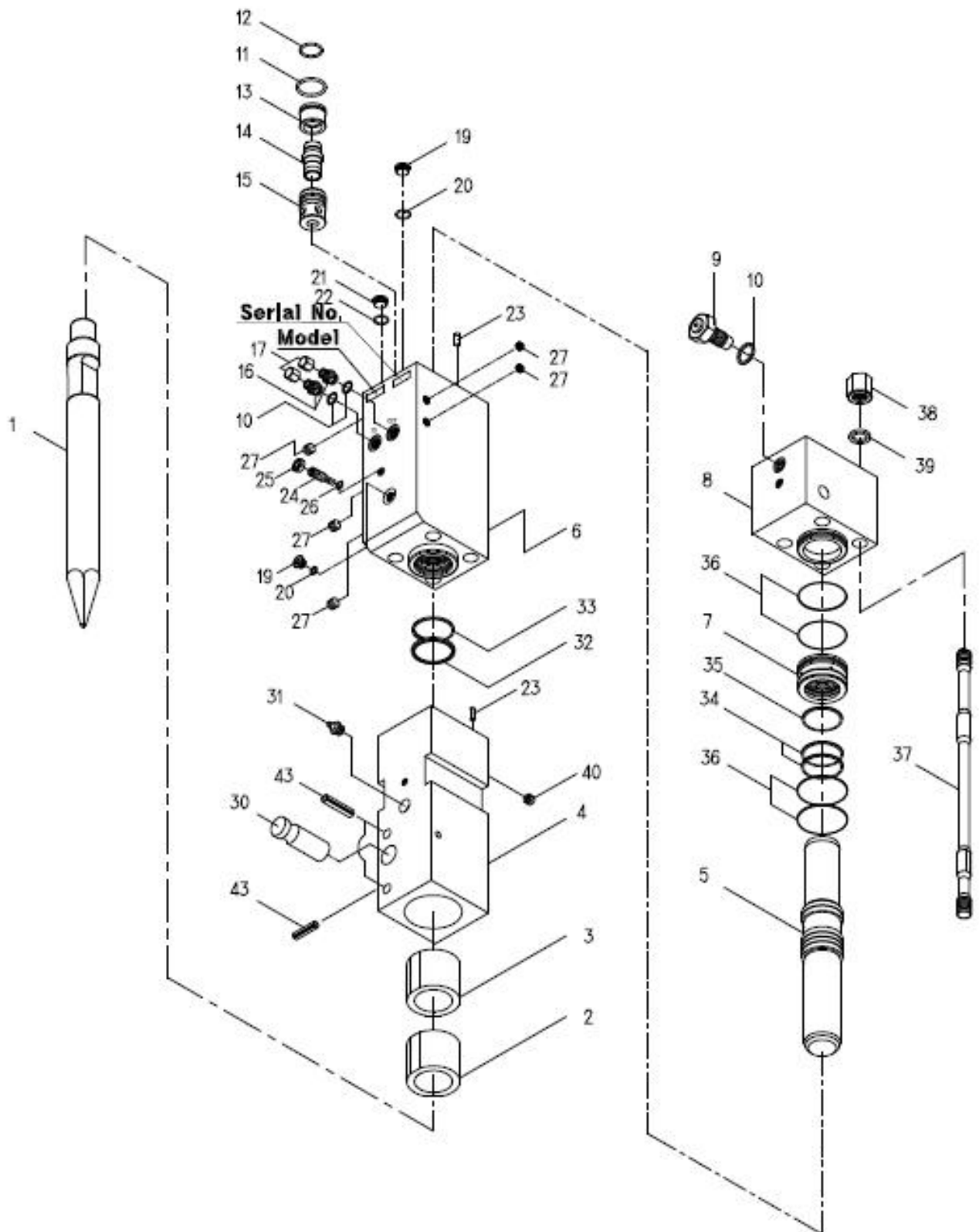
BHI HydroRam Hydraulic Hammer

HK30 Parts List



■ HK30 POWER CELL PARTS LIST

HK30 POWER CELL



■ HK30 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D3000000	POWER CELL ASSEMBLY	1	23	D1000050	PIN	4
1	D3000210	TOOL(MOIL)	1	24	DC000330	CYLINDER ADJUSTER	1
1-1	D3000220	TOOL(H-WEDGE)	0	25	12001430	ADJUSTER NUT	1
1-2	D3000250	TOOL(CONE)	0	26	22401930	O-RING	1
1-3	D3000240	TOOL(BLUNT)	0	27	13006010	PT SOCKET PLUG	7
1-4	D3000230	TOOL(V-WEDGE)	0	28	*	*	*
1-5	D3000260	TOOL(SPADE H-WEDGE)	0	29	*	*	*
1-6	D3000270	TOOL(SPADE V-WEDGE)	0	30	D3000170	RETAINER PIN	1
2	D3000060	TOOL HOLDER BUSHING	1	31	13007800	GREASE NIPPLE	1
3	D3000020	ROUND BUSHING	1	32	22001780	DUST SEAL	1
4	D3000080	TOOL HOLDER	1	33	22003690	U PACKING SEAL	2
5	D3000040	PISTON	1	34	22300170	STEP SEAL	2
6	D3000010	CYLINDER	2	35	22200180	GAS SEAL	1
7	D3000050	CYLINDER BUSHING	1	36	22401430	O-RING	4
8	D3000100	HEAD CAP	1	37	D3000090	TENSION BOLT	4
9	D7000200	GAS VALVE ASSEMBLY	1	38	D3000130	TOP NUT	4
10	22402070	O-RING	3	39	D3000140	TOP NUT WASHER	4
11	22401330	O-RING	1	40	D4000230	ORIFICE SOCKET PLUG	1
12	22402090	O-RING	1	41	-	-	-
13	D3000470	MAIN VALVE CAP	1	*42	16800230	SPRING HOSE(PF*PF)	0
14	D3000450	MAIN VALVE	1	42-1	16804020	SPRING HOSE(JIC*JIC)	2
15	D3000460	MAIN VALVE CASE	1	42-2	16811090	SPRING HOSE(ORFS*ORFS)	0
16	13008830	O-RING ADAPTER(PF*PF)	0	42-3	16804130	HOSE(FOR SKID, JIC*JIC)	0
16-1	13009330	O-RING ADAPTER(PF*JIC)	2	43	D1000250	SPRING PIN	3
16-2	13009520	O-RING ADAPTER(PF*ORFS)	0	*	*	*	*
17	13007110	UNION CAP(PF)	0	*	D3691000	HEAD CAP SET	*
17-1	13007020	UNION CAP(JIC)	2	*	D3691100	CYLINDER SET	*
17-2	13007420	UNION CAP(ORFS)	0	*	D3691200	TOOL HOLDER SET	*
*18	13006530	HOSE PLUG(PF)	0	*	D3691300	MAIN VALVE SET	*
18-1	13008400	HOSE PLUG(JIC)	2	*	D3691400	TENSION BOLT SET	*
18-2	13008220	HOSE PLUG(ORFS)	0	MEMO			
19	D4000280	M18 SOCKET PLUG	2				
20	22402060	O-RING	2				
21	DE000340	PF SOCKET PLUG	1				
22	22402000	O-RING	1				

■ HK30 SPARE SEAL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D3691500	SPARE SEAL KIT	1	MEMO			
1	22402070	O-RING	3				
2	22401330	O-RING	1				
3	22402090	O-RING	1				
4	22402060	O-RING	2				
5	22402000	O-RING	1				
6	22401930	O-RING	1				
7	22001780	DUST SEAL	1				
8	22003690	U PACKING SEAL	2				
9	22300170	STEP SEAL	2				
10	22200180	GAS SEAL	1				
11	22401430	O-RING	4				

■ HK30 TOOL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty			Remarks
			Side	Top	Silence	
0	-	TOOL KIT	D3691600	D3691700	D3691800	HK30
1	16502990	TOOL BOX	1	1	1	No.2
2	16500260	COMBI SPANNER	1	1	1	14mm
3	16502100	DOUBLE SPANNER	1	1	1	27x30mm
4	16501140	L-WRENCH	1	1	1	5mm
5	16501150	L-WRENCH	1	1	1	6mm

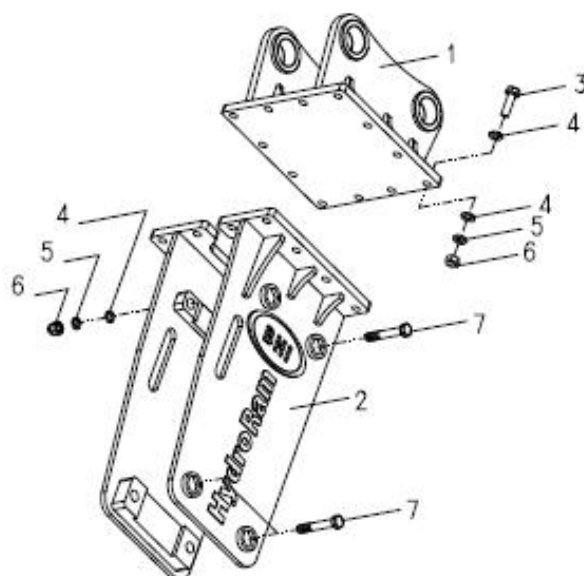
■ HK30 N2 GAS CHARGING KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO			
0	D5698000	N ₂ GAS CHARGING KIT	1				
1	13105900	N ₂ GAS 3-WAY VALVE ASSEMBLY	1				
2	16802000	N ₂ HOSE	1				
3	13105910	N ₂ COUPLING KIT	1				
4	13105930	N ₂ GAS CYLINDER	1				

■ HK30 BRACKET PARTS LIST

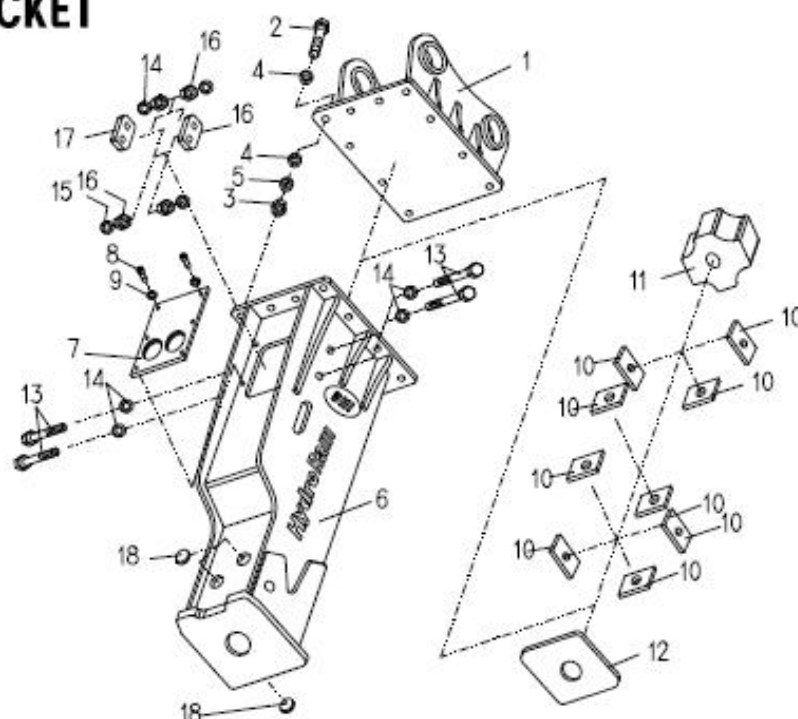
HK30

TOP BRACKET



BHI

SILENT BRACKET



BHI

■ HK30 BRACKET PARTS LIST

■ HK30 TOP BRACKET				■ HK30S SILENCE BRACKET			
No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D3200000	TOP BRACKET ASSEMBLY	1	0	D3300000	SILENCE BRACKET ASSEMBLY	1
1	D3200050	TOP BRACKET	1	1	D3200050	TOP BRACKET	1
2	D3200010	SIDE PLATE BRACKET	1	2	20007500	HEX HEAD BOLT	12
3	20007500	HEX HEAD BOLT	12	3	12001460	HEX HEAD NUT	12
4	13000100	FLAT WASHER	16	4	13000100	FLAT WASHER	12
5	13001100	SPRING WASHER	16	5	13001100	SPRING WASHER	12
6	12001460	HEX HEAD NUT	16	6	D3300010	SILENCE BRACKET	1
7	20037430	HEX HEAD BOLT	4	7	D3300020	COVER	1
*	D3693000	SET BOLT SET	*	8	20210700	HEX SOCKET HEAD BOLT	6
*	D3695100	DECAL KIT (TOP)	*	9	13000050	FLAT WASHER	6
MEMO				10	D3300030	SIDE WEAR PLATE	9
				11	D1300070	UPPER CUSHION	1
				12	D3300040	DOWN CUSHION	1
				13	20006770	HEX HEAD BOLT	4
				14	13000080	FLAT WASHER	4
				15	13001080	SPRING WASHER	4
				16	12001440	HEX HEAD NUT	4
				17	D1300090	STOPPER	2
				18	D2300080	RUBBER PLUG	3
				*	D3695200	DECAL KIT (SILENCE)	*
				MEMO			



BHI **HydroRam** **Hydraulic Hammer**

HK40 **Parts List**



This technical drawing is an exploded view of a mechanical assembly, likely a pen or a similar handheld device. The components are numbered 1 through 38. The assembly includes a main body (1), a cap (2), a spring (3), a piston (4), a barrel (5), a spring (6), a piston (7), a spring (8), a piston (9), a spring (10), a piston (11), a spring (12), a piston (13), a spring (14), a piston (15), a spring (16), a piston (17), a spring (18), a piston (19), a spring (20), a piston (21), a spring (22), a piston (23), a spring (24), a piston (25), a spring (26), a piston (27), a spring (28), a piston (29), a spring (30), a piston (31), a spring (32), a piston (33), a spring (34), a piston (35), a spring (36), a piston (37), and a spring (38). The diagram also includes labels for 'Serial No.' and 'Model'.

■ HK40 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D4000000	POWER CELL ASSEMBLY	1	25	D4000240	STOP PIN	2
1	D4000050	TOOL(MOIL)	1	26	D4000250	SPRING PIN	2
1-1	D4000060	TOOL(H-WEDGE)	0	27	D4000260	SPRING PIN	1
1-2	D4000090	TOOL(CONE)	0	28	D4000270	RETAINER PIN	1
1-3	D4000080	TOOL(BLUNT)	0	29	22300020	STEP SEAL	2
1-4	D4000070	TOOL(V-WEDGE)	0	30	22200030	GAS SEAL	1
1-5	D4000100	TOOL(SPADE H-WEDGE)	0	31	22002510	DUST SEAL	1
1-6	D4000110	TOOL(SPADE V-WEDGE)	0	32	22003760	U PACKING SEAL	1
2	D4000140	TOOL HOLDER BUSHING	1	33	22000080	BUFFER SEAL	1
3	D4000150	TOOL HOLDER	1	34	D4000280	M18 SOCKET PLUG	5
4	D4000160	ROUND BUSHING	1	35	22402060	O-RING	5
5	D4000320	PISTON	1	36	22401460	O-RING	3
6	D9000050	PIN	4	37	13006010	PT SOCKET PLUG	8
8	D4000180	CYLINDER	1	38	13103210	HELI COIL SPRING	4
9	13008830	O-RING ADAPTER(PF*PF)	0	*39	16800010	SPRING HOSE(PF*PF)	0
9-1	13009330	O-RING ADAPTER(PF*JIC)	2	39-1	16804060	SPRING HOSE(JIC*JIC)	2
9-2	13009520	O-RING ADAPTER(PF*ORFS)	0	39-2	16811130	SPRING HOSE(ORFS*ORFS)	0
10	22402070	O-RING	3	39-3	16804130	HOSE(FOR SKID, JIC*JIC)	0
11	13007110	UNION CAP(PF)	0	*40	13006530	HOSE PLUG(PF)	0
11-1	13007020	UNION CAP(JIC)	2	40-1	13008400	HOSE PLUG(JIC)	2
11-2	13007420	UNION CAP(ORFS)	0	40-2	13008220	HOSE PLUG(ORFS)	0
12	D5000230	MAIN VALVE CASE	1	*	*	*	*
13	D5000240	MAIN VALVE	1	*	D4691000	HEAD CAP SET	*
14	D5000220	MAIN VALVE CAP	1	*	D4691100	CYLINDER SET	*
15	22402300	O-RING	1	*	D4691200	TOOL HOLDER SET	*
16	22401330	O-RING	1	*	D5691300	MAIN VALVE SET	*
17	D4000190	HEAD CAP	1	*	D4691400	TENSION BOLT SET	*
18	D7000200	GAS VALVE ASSEMBLY	1	MEMO			
19	D5000270	CYLINDER BUSHING	1				
20	D4000200	TOP NUT	4				
21	D4000210	TENSION BOLT WASHER	4				
22	D4000220	TENSION BOLT	4				
23	D4000230	ORIFICE SOCKET PLUG	1				
24	13007810	GREASE NIPPLE	1				

■ HK40 SPARE SEAL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	D4691500	SPARE SEAL KIT	1	
1	22402070	O-RING	3	
2	22402300	O-RING	1	
3	22401330	O-RING	1	
4	22300020	STEP SEAL	2	
5	22200030	GAS SEAL	1	
6	22002510	DUST SEAL	1	
7	22003760	U PACKING SEAL	1	
8	22000080	BUFFER SEAL	1	
9	22402060	O-RING	5	
10	22401460	O-RING	3	

■ HK40 TOOL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty			Remarks
			Side	Top	Silence	
0	-	TOOL KIT	D4691600	D4691700	D4691800	HK40
1	16503000	TOOL BOX	1	1	1	No.2
2	16500260	COMBI SPANNER	1	1	1	14mm
3	16502100	DOUBLE SPANNER	1	1	1	27x30mm
4	16502470	SINGLE SPANNER	1	1	1	24mm
5	16502520	SINGLE SPANNER	1	1	1	36mm
6	16501140	L-WRENCH	1	1	1	5mm
7	16501160	L-WRENCH	1	1	1	8mm

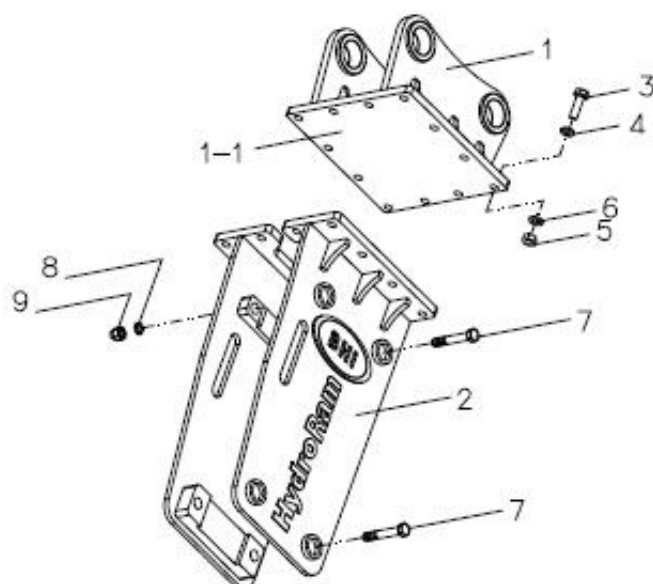
■ HK40 N2 GAS CHARGING KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	D5698000	N ₂ GAS CHARGING KIT	1	
1	13105900	N ₂ GAS 3-WAY VALVE ASSEMBLY	1	
2	16802000	N ₂ HOSE	1	
3	13105910	N ₂ COUPLING KIT	1	
4	13105930	N ₂ GAS CYLINDER	1	

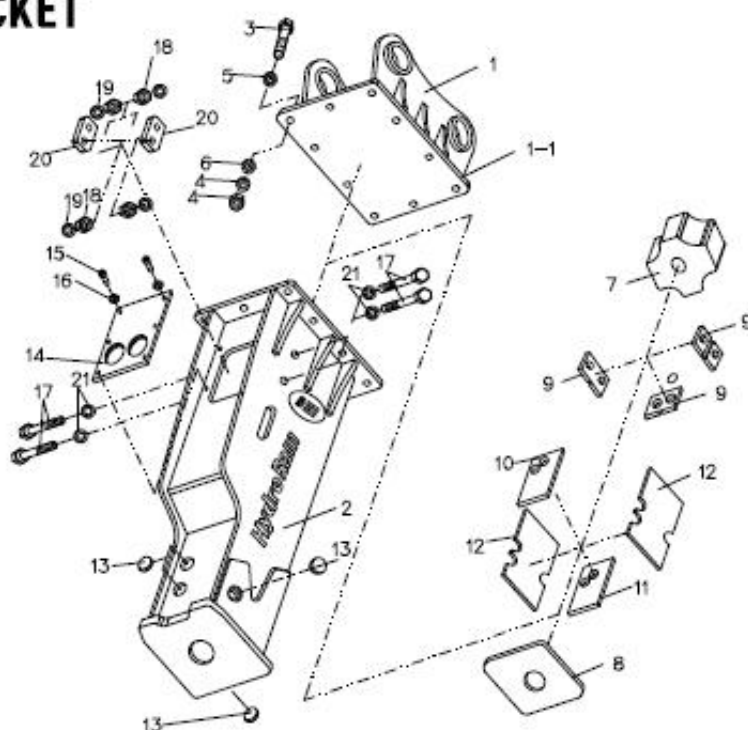
HK40 BRACKET PARTS LIST

HK40

TOP BRACKET



SILENCE BRACKET

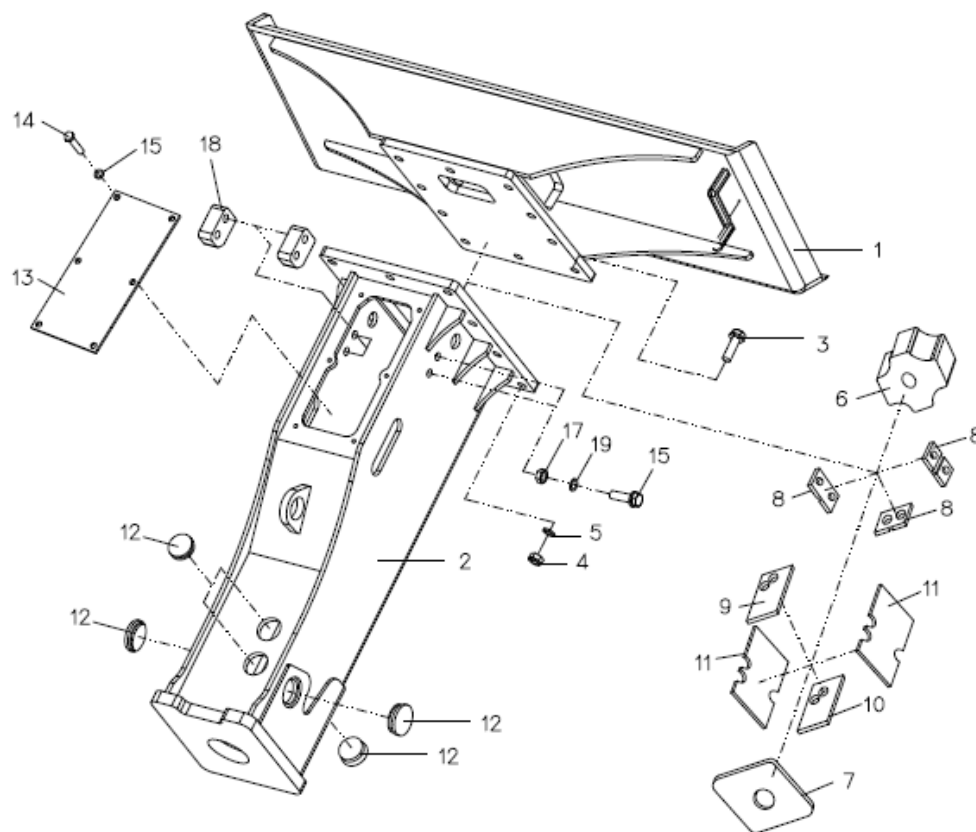


■ HK40 BRACKET PARTS LIST

■ HK40 TOP BRACKET				■ HK40S SILENCE BRACKET			
No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D4200000	TOP BRACKET ASSEMBLY	1	0	D4300000	SILENCE BRACKET ASSEMBLY	1
1	D4200040	TOP BRACKET	1	1	D4300090	TOP BRACKET	1
2	D4200010	SIDE PLATE BRACKET	1	2	D4300010	SILENCE BRACKET	1
3	20007150	HEX HEAD BOLT	12	3	20007150	HEX HEAD BOLT	10
4	13000090	FLAT WASHER	24	4	12001450	HEX HEAD NUT	10
5	12001450	HEX HEAD NUT	12	5	13000090	FALT WASHER	20
6	13001090	SPRING WASHER	12	6	13001090	SPRING WASHER	10
7	20035180	HEX HEAD BOLT	4	7	D4300020	UPPER CUSHION	1
8	13001130	SPRING WASHER	4	8	D4300030	DOWN CUSHION	1
9	12005990	CAP NUT	4	9	D5300080	SIDE WEAR PLATE	3
*	D4693000	SET BOLT SET	*	10	D4300040	LOW FRONT WEAR PLATE(1)	1
*	D4695100	DECAL KIT (TOP)	*	11	D4300050	LOW FRONT WEAR PLATE(2)	1
MEMO				12	D4300060	LOW SIDE WEAR PLATE	2
				13	D9300070	RUBBER CAP-S	5
				14	D4300070	COVER PLATE	1
				15	20211030	HEX SOCKET HEAD BOLT	6
				16	13000060	FLAT WASHER	6
				17	20006790	HEX HEAD BOLT	4
				18	12001440	HEX HEAD NUT	4
				19	13001080	SPRING WASHER	4
				20	D4300080	STOPPER	2
				21	13000080	FLAT WASHER	8
				*	D4695200	DECAL KIT (SILENCE)	*
				MEMO			

■ HK40S BRACKET - Only Skid bracket type(option)

■ HK40S SKID STEER BRACKET



No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D4401010	SKID BRACKET ASSEMBLY	1	11	D4300060	LOW SIDE WEAR PLATE	2
1	D4401020	SKID STEER BRACKET	1	12	D9300070	RUBBER CAP-S	5
2	D4300150	BRACKET BODY	1	13	D4300190	COVER PLATE	1
3	20007150	HEX HEAD BOLT	10	14	20211030	HEX SOCKET HEAD BOLT	6
4	12006380	NYLON NUT	10	15	13000060	FLAT WASHER	6
5	13000090	FLAT WASHER	20	16	20006790	HEX HEAD BOLT	4
6	D4300020	UPPER CUSHION	1	17	12001440	HEX HEAD NUT	4
7	D4300030	DOWN CUSHION	1	18	D4300080	STOPPER	2
8	D5300080	SIDE WEAR PLATE	3	19	13000080	FLAT WASHER	4
9	D4300040	LOW FRONT WEAR PLATE(1)	1	*	D4695200	DECAL KIT(SILENCE)	*
10	D4300050	LOW FRONT WEAR PLATE(2)	1	*	*	*	*

* No. 13 :~2013.12.31 : D4300180

MEMO



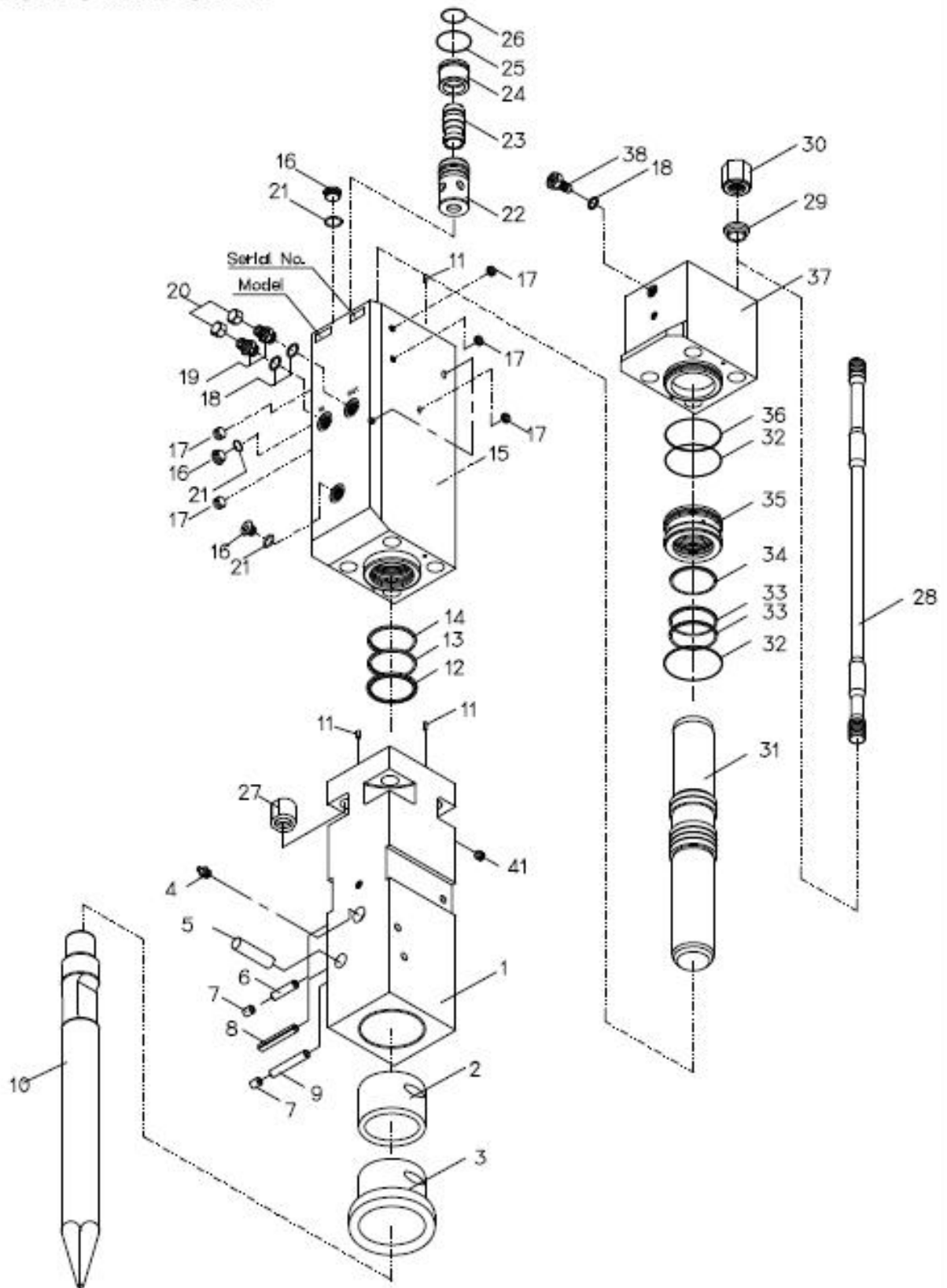
BHI **HydroRam** **Hydraulic Hammer**

HK45 **Parts List**



■ HK45 POWER CELL PARTS LIST

HK45 POWER CELL



■ HK45 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D5000000	POWER CELL ASSEMBLY	1	23	D5000240	MAIN VALVE	1
1	D5000130	TOOL HOLDER	1	24	D5000220	MAIN VALVE CAP	1
2	D5000140	ROUND BUSHING	1	25	22402300	O-RING	1
3	D5000120	TOOL HOLDER BUSHING	1	26	22401330	O-RING	1
4	13007810	GREASE NIPPLE	1	27	D5000160	BOTTOM NUT	4
5	D5000250	RETAINER PIN	1	28	D5000170	TENSION BOLT	4
6	D5000300	STOP PIN(B)	1	29	D5000190	TOP NUT WASHER	4
7	13007320	RUBBER PLUG	2	30	D4000200	TOP NUT	4
8	D4000260	SPRING PIN	1	31	D5000380	PISTON	1
9	D5000260	STOP PIN(A)	1	32	22401460	O-RING	2
10	D5000050	TOOL(MOIL)	1	33	22300020	STEP SEAL	2
10-1	D5000070	TOOL(H-WEDGE)	0	34	22200030	GAS SEAL	1
10-2	D5000060	TOOL(CONE)	0	35	D5000270	CYLINDER BUSHING	1
10-3	D5000090	TOOL(BLUNT)	0	36	22401480	O-RING	1
10-4	D5000080	TOOL(V-WEDGE)	0	37	D5000210	HEAD CAP	1
10-5	D5000100	TOOL(SPADE H-WEDGE)	0	38	D7000200	GAS VALVE ASSEMBLY	1
10-6	D5000110	TOOL(SPADE V-WEDGE)	0	*39	16800010	SPRING HOSE(PF*PF)	0
11	D9000050	PIN	4	39-1	16804060	SPRING HOSE(JIC*JIC)	2
12	22002510	DUST SEAL	1	39-2	16811130	SPRING HOSE(ORFS*ORFS)	0
13	22003760	U PACKING SEAL	1	39-3	16804130	HOSE(FOR SKID, JIC*JIC)	0
14	22000080	BUFFER SEAL	1	*40	13006530	HOSE PLUG(PF)	0
15	D5000180	CYLINDER	1	40-1	13008400	HOSE PLUG(JIC)	2
16	D4000280	M18 SOCKET PLUG	6	40-2	13008220	HOSE PLUG(ORFS)	0
17	13006010	PT SOCKET PLUG	8	41	D4000230	ORIFICE PLUG	1
18	22402070	O-RING	3	*	*	*	*
19	13008830	O-RING ADAPTER(PF*PF)	0	*	D5691000	HEAD CAP SET	*
19-1	13009330	O-RING ADAPTER(PF*JIC)	2	*	D5691100	CYLINDER SET	*
19-2	13009520	O-RING ADAPTER(PF*ORFS)	0	*	D5691200	TOOL HOLDER SET	*
20	13007110	UNION CAP(PF)	0	*	D5691300	MAIN VALVE SET	*
20-1	13007020	UNION CAP(JIC)	2	*	D5691400	TENSION BOLT SET	*
20-2	13007420	UNION CAP(ORFS)	0	MEMO			
21	22402060	O-RING	6				
22	D5000230	MAIN VALVE CASE	1				

■ HK45 SPARE SEAL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	D5691500	SPARE SEAL KIT	1	
1	22002510	DUST SEAL	1	
2	22003760	U PACKING SEAL	1	
3	22000080	BUFFER SEAL	1	
4	22402070	O-RING	3	
5	22402060	O-RING	6	
6	22402300	O-RING	1	
7	22401330	O-RING	1	
8	22401460	O-RING	2	
9	22300020	STEP SEAL	2	
10	22200030	GAS SEAL	1	
11	22401480	O-RING	1	

■ HK45 TOOL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty			Remarks
			Side	Top	Silence	
0	-	TOOL KIT	D5691600	D5691700	D5691800	HK45
1	16503000	TOOL BOX	1	1	1	No.2
2	16500260	COMBI SPANNER	1	1	1	14mm
3	16502100	DOUBLE SPANNER	1	1	1	27x30mm
4	16502470	SINGLE SPANNER	-	1	1	24mm
5	16502520	SINGLE SPANNER	1	1	1	36mm
6	16500700	HAMMER RING WRENCH	1	1	1	41mm
7	16501140	L WRENCH	1	1	1	5mm
8	16501160	L WRENCH	1	1	1	8mm
9	16503090	HANDLE RETAINER PIN	1	1	1	M12
10	16500700	HAMMER RING WRENCH	1	1	-	41mm

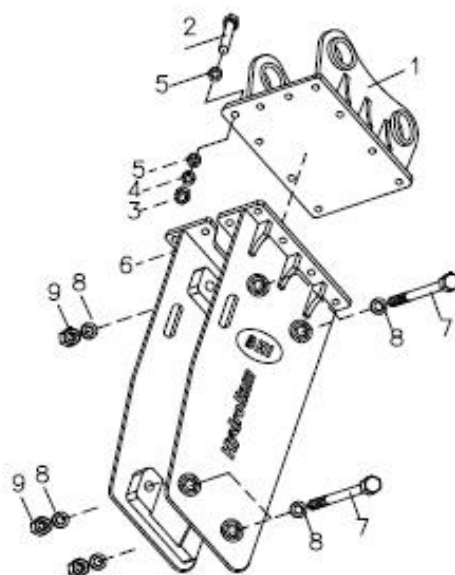
■ HK45 N₂ GAS CHARGING KIT PARTS LIST

No	Part No	Part Name	Q'ty	MEMO
0	D5698000	N ₂ GAS CHARGING KIT	1	
1	13105900	N ₂ GAS 3-WAY VALVE ASSEMBLY	1	
2	16802000	N ₂ HOSE	1	
3	13105910	N ₂ COUPLING KIT	1	
4	13105930	N ₂ GAS CYLINDER	1	

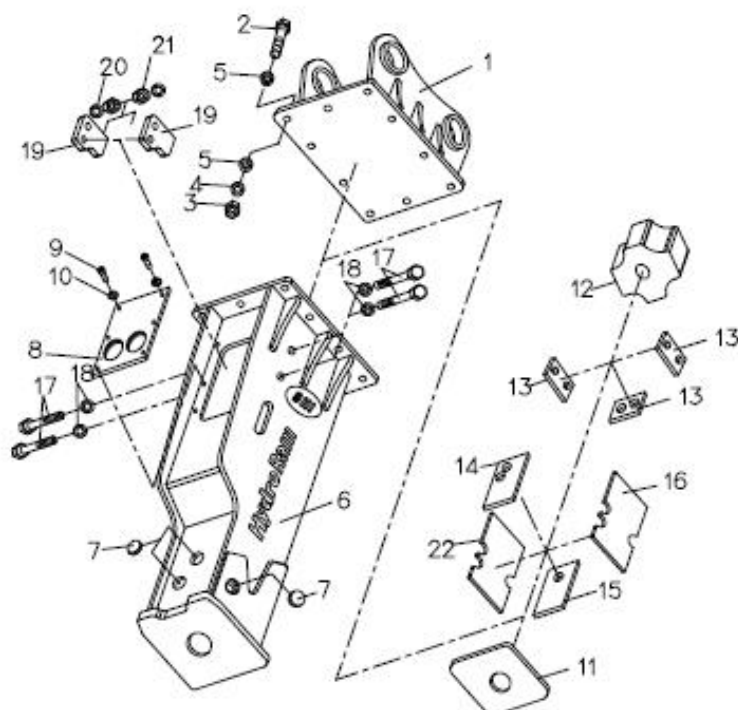
■ HK45 BRACKET PARTS LIST

HK45

TOP BRACKET



SILENCE BRACKET



■ HK45 BRACKET PARTS LIST

■HK45 TOP BRACKET				■HK45S SILENCE BRACKET			
No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D5200000	TOP BRACKET ASSEMBLY	1	0	D5300000	SILENCE BRACKET ASSEMBLY	1
1	D4200040	TOP BRACKET	1	1	D4300090	TOP BRACKET	1
2	20007150	HEX HEAD BOLT	12	2	20007150	HEX HEAD BOLT	10
3	12001450	HEX HEAD NUT	12	3	12001450	HEX HEAD NUT	10
4	13001090	SPRING WASHER	12	4	13001090	SPRING WASHER	10
5	13000090	FLAT WASHER	24	5	13000090	FLAT WASHER	20
6	D5200170	SIDE PLATE BRACKET	1	6	D5300050	SILENCE BRACKET	1
7	20035550	HEX HEAD BOLT	4	7	D9300070	RUBBER CAP-S	5
8	-	-	-	8	D5300130	COVER PLATE	1
9	12006430	NYLON NUT	4	9	20211030	HEX SOCKET HEAD BOLT	6
10	13000220	FLAT WASHER	4	10	13000060	FLAT WASHER	6
*	D5693010	SET BOLT SET	1	11	D5300070	DOWN CUSHION	1
*	D5695100	DECAL KIT(TOP)	1	12	D5300060	UPPER CUSHION	1
MEMO				13	D5300080	SIDE WEAR PLATE	3
				14	D5300090	LOW FRONT WEAR PLATE(1)	1
				15	D5300100	LOW FRONT WEAR PLATE(2)	1
				16	D5300110	LOW SIDE WEAR PLATE	2
				17	20006790	HEX HEAD BOLT	4
				18	13000080	FLAT WASHER	4
				19	D5300210	STOPPER	2
				20	13001080	SPRING WASHER	4
				21	12001440	HEX HEAD NUT	4
				22	*	= No.16	*
				*	D5695200	DECAL KIT(SILENCE)	*
				MEMO			

MEMO



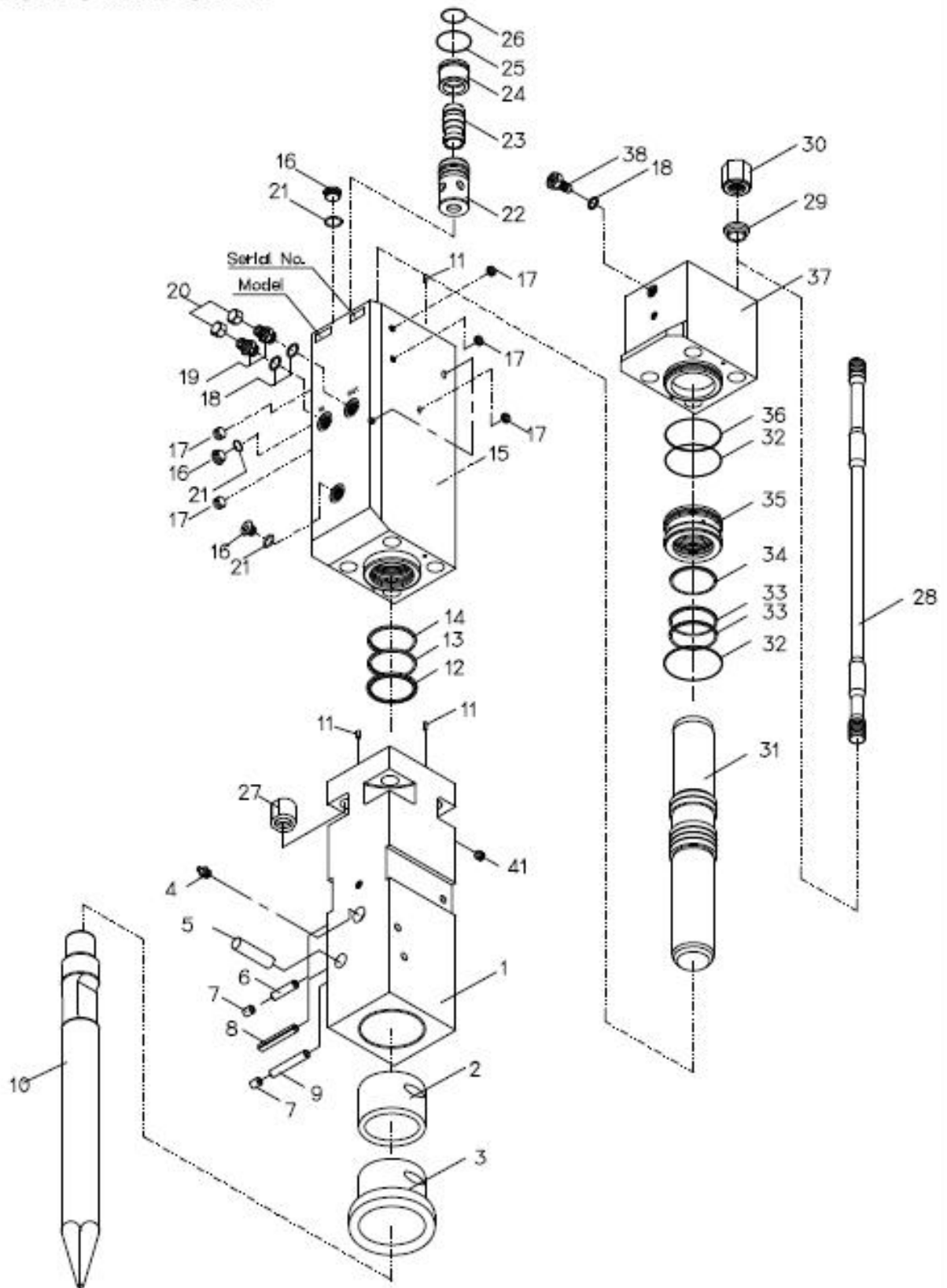
BHI **HydroRam** **Hydraulic Hammer**

HK45(II) **Parts List**



■ HK45 POWER CELL PARTS LIST

HK45 POWER CELL



■ HK45 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D5000700	POWER CELL ASSEMBLY	1	23	D5000240	MAIN VALVE	1
1	D5000730	TOOL HOLDER	1	24	D5000220	MAIN VALVE CAP	1
2	D5000140	ROUND BUSHING	1	25	22402300	O-RING	1
3	D5000120	TOOL HOLDER BUSHING	1	26	22401330	O-RING	1
4	13007810	GREASE NIPPLE	1	27	-	-	-
5	D5000740	RETAINER PIN	1	28	D5000750	TENSION BOLT	4
6	D5000300	STOP PIN(B)	1	29	D6000180	TOP NUT WASHER	4
7	13007320	RUBBER PLUG	2	30	D6000190	TOP NUT	4
8	D4000260	SPRING PIN	1	31	D5000380	PISTON	1
9	D5000260	STOP PIN(A)	1	32	22401460	O-RING	2
10	D5000050	TOOL(MOIL)	1	33	22300020	STEP SEAL	2
10-1	D5000070	TOOL(H-WEDGE)	0	34	22200030	GAS SEAL	1
10-2	D5000060	TOOL(CONE)	0	35	D5000270	CYLINDER BUSHING	1
10-3	D5000090	TOOL(BLUNT)	0	36	22401480	O-RING	1
10-4	D5000080	TOOL(V-WEDGE)	0	37	D5000710	HEAD CAP	1
10-5	D5000100	TOOL(SPADE H-WEDGE)	0	38	D7000200	GAS VALVE ASSEMBLY	1
10-6	D5000110	TOOL(SPADE V-WEDGE)	0	*39	16800010	SPRING HOSE(PF*PF)	0
11	D9000050	PIN	4	39-1	16804060	SPRING HOSE(JIC*JIC)	2
12	22002510	DUST SEAL	1	39-2	16811130	SPRING HOSE(ORFS*ORFS)	0
13	22003760	U PACKING SEAL	1	39-3	16804130	HOSE(FOR SKID, JIC*JIC)	0
14	22000080	BUFFER SEAL	1	*40	13006530	HOSE PLUG(PF)	0
15	D5000720	CYLINDER	1	40-1	13008400	HOSE PLUG(JIC)	2
16	D4000280	M18 SOCKET PLUG	6	40-2	13008220	HOSE PLUG(ORFS)	0
17	13006010	PT SOCKET PLUG	8	41	D4000230	ORIFICE PLUG	1
18	22402070	O-RING	3	*	*	*	*
19	13008830	O-RING ADAPTER(PF*PF)	0	*	D5691010	HEAD CAP SET	*
19-1	13009330	O-RING ADAPTER(PF*JIC)	2	*	D5691110	CYLINDER SET	*
19-2	13009520	O-RING ADAPTER(PF*ORFS)	0	*	D5691210	TOOL HOLDER SET	*
20	13007110	UNION CAP(PF)	0	*	D5691300	MAIN VALVE SET	*
20-1	13007020	UNION CAP(JIC)	2	*	D5691410	TENSION BOLT SET	*
20-2	13007420	UNION CAP(ORFS)	0	MEMO			
21	22402060	O-RING	6				
22	D5000230	MAIN VALVE CASE	1				

■ HK45 SPARE SEAL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	D5691510	SPARE SEAL KIT	1	
1	22002510	DUST SEAL	1	
2	22003760	U PACKING SEAL	1	
3	22000080	BUFFER SEAL	1	
4	22402070	O-RING	3	
5	22402060	O-RING	6	
6	22402300	O-RING	1	
7	22401330	O-RING	1	
8	22401460	O-RING	2	
9	22300020	STEP SEAL	2	
10	22200030	GAS SEAL	1	
11	22401480	O-RING	1	

■ HK45 TOOL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty			Remarks
			Side	Top	Silence	
0	-	TOOL KIT	D5691610	D5691710	D5691810	HK45
1	16503000	TOOL BOX	1	1	1	No.2
2	16500260	COMBI SPANNER	1	1	1	14mm
3	16502100	DOUBLE SPANNER	1	1	1	27x30mm
4	16502470	SINGLE SPANNER	-	1	1	24mm
5	16500700	HAMMER RING WRENCH	1	1	1	41mm
6	16501140	L WRENCH	1	1	1	5mm
7	16501160	L WRENCH	1	1	1	8mm
8	16503090	HANDLE RETAINER PIN	1	1	1	M12

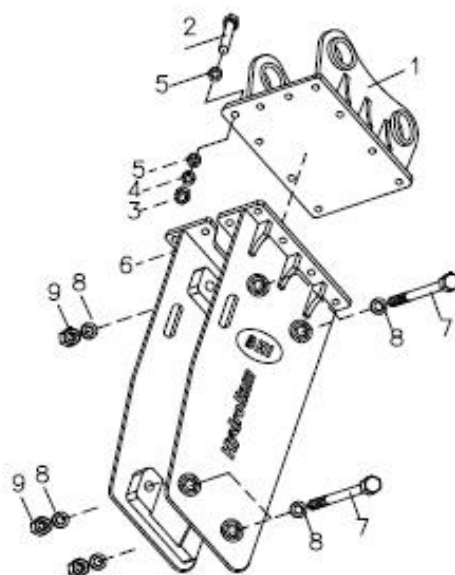
■ HK45 N₂ GAS CHARGING KIT PARTS LIST

No	Part No	Part Name	Q'ty	MEMO
0	D5698000	N ₂ GAS CHARGING KIT	1	
1	13105900	N ₂ GAS 3-WAY VALVE ASSEMBLY	1	
2	16802000	N ₂ HOSE	1	
3	13105910	N ₂ COUPLING KIT	1	
4	13105930	N ₂ GAS CYLINDER	1	

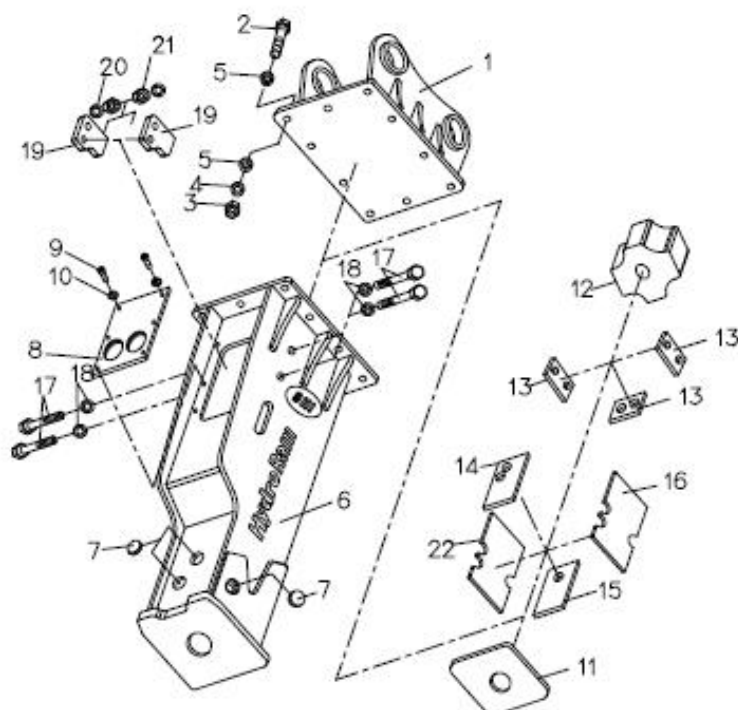
■ HK45 BRACKET PARTS LIST

HK45

TOP BRACKET



SILENCE BRACKET



■ HK45 BRACKET PARTS LIST

■HK45 TOP BRACKET				■HK45S SILENCE BRACKET			
No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D5200000	TOP BRACKET ASSEMBLY	1	0	D5300000	SILENCE BRACKET ASSEMBLY	1
1	D4200040	TOP BRACKET	1	1	D4300090	TOP BRACKET	1
2	20007150	HEX HEAD BOLT	12	2	20007150	HEX HEAD BOLT	10
3	12001450	HEX HEAD NUT	12	3	12001450	HEX HEAD NUT	10
4	13001090	SPRING WASHER	12	4	13001090	SPRING WASHER	10
5	13000090	FLAT WASHER	24	5	13000090	FLAT WASHER	20
6	D5200170	SIDE PLATE BRACKET	1	6	D5300240	SILENCE BRACKET(II)	1
7	20035550	HEX HEAD BOLT	4	7	D9300070	RUBBER CAP-S	5
8	-	-	-	8	D5300130	COVER PLATE	1
9	12006430	NYLON NUT	4	9	20211030	HEX SOCKET HEAD BOLT	6
10	13000220	FLAT WASHER	4	10	13000060	FLAT WASHER	6
*	D5693010	SET BOLT SET	1	11	D5300070	DOWN CUSHION	1
*	D5695100	DECAL KIT(TOP)	1	12	D5300060	UPPER CUSHION	1
MEMO				13	D5300080	SIDE WEAR PLATE	3
				14	D5300090	LOW FRONT WEAR PLATE(1)	1
				15	D5300100	LOW FRONT WEAR PLATE(2)	1
				16	D5300110	LOW SIDE WEAR PLATE	2
				17	20006790	HEX HEAD BOLT	4
				18	13000080	FLAT WASHER	4
				19	D5300210	STOPPER	2
				20	13001080	SPRING WASHER	4
				21	12001440	HEX HEAD NUT	4
				22	*	= No.16	*
				*	D5695200	DECAL KIT(SILENCE)	*
				MEMO			

MEMO



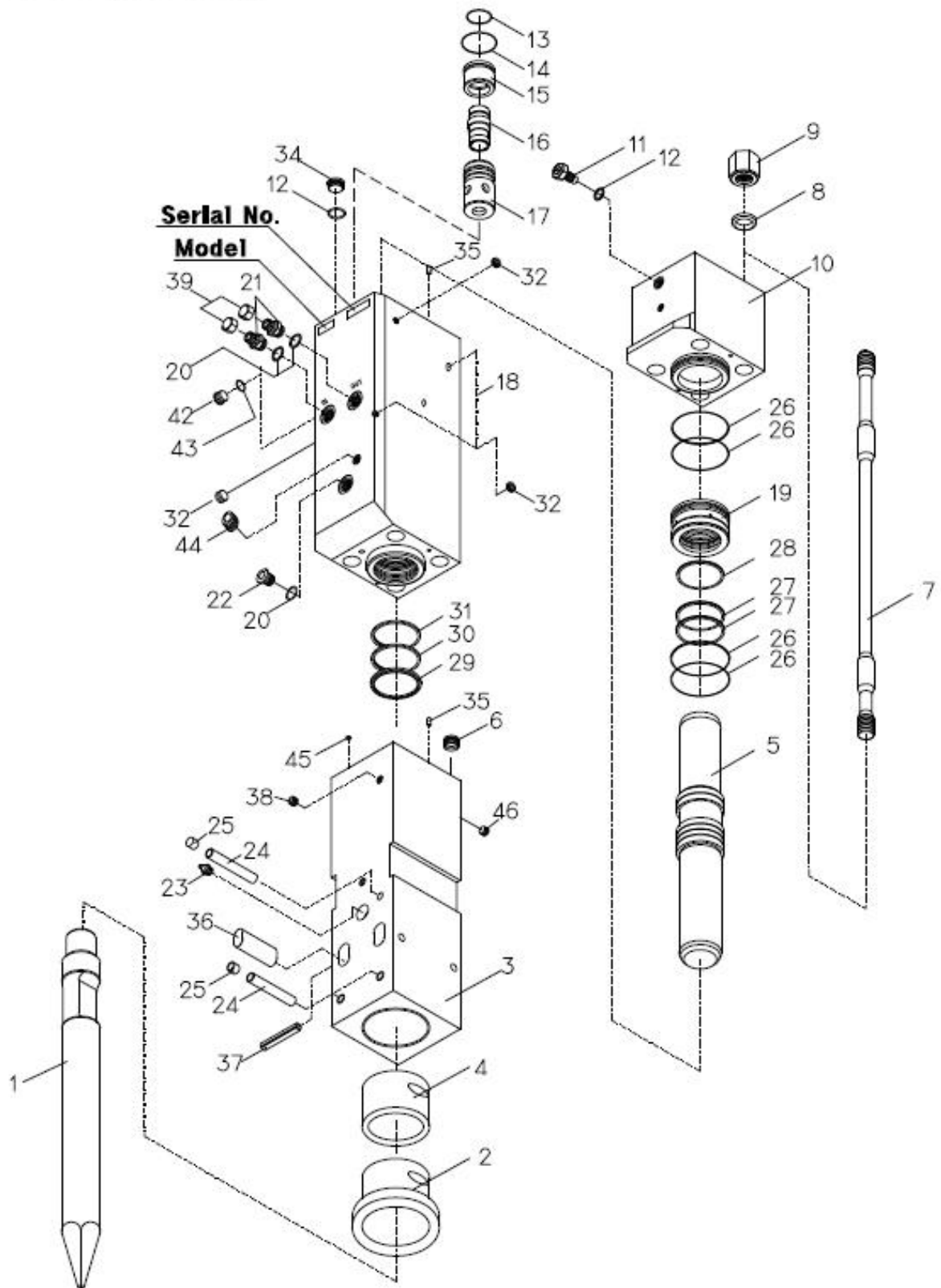
BHI **HydroRam** **Hydraulic Hammer**

HK60 **Parts List**



HK60 POWER CELL PARTS LIST

HK60 POWER CELL



■ HK60 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D6000000	POWER CELL ASSEMBLY	1	26	22401490	O-RING	4
1	D6000050	TOOL(MOIL)	1	27	22300030	STEP SEAL	2
1-1	D6000070	TOOL(H-WEDGE)	0	28	22200040	GAS SEAL	1
1-2	D6000060	TOOL(CONE)	0	29	22002560	DUST SEAL	1
1-3	D6000090	TOOL(BLUNT)	0	30	22003790	U PACKING SEAL	1
1-4	D6000080	TOOL(V-WEDGE)	0	31	22000110	BUFFER SEAL	1
1-5	D6000100	TOOL(SPADE H-WEDGE)	0	32	13006010	PT SOCKET PLUG	5
1-6	D6000110	TOOL(SPADE V-WEDGE)	0	34	DA000400	PF SOCKET PLUG	3
2	D6000130	TOOL HOLDER BUSHING	1	35	D9000050	PIN	4
3	D6000140	TOOL HOLDER	1	36	D6000250	RETAINER PIN	1
4	D6000150	ROUND BUSHING	1	37	D4000260	SPRING PIN	1
5	D6000160	PISTON	1	38	13006030	PT SOCKET PLUG	1
6	13103250	HELI COIL SPRING	4	39	13007130	UNION CAP(PF)	0
7	D6000170	TENSION BOLT	4	39-1	13007030	UNION CAP(JIC)	2
8	D6000180	TOP NUT WASHER	4	39-2	13007440	UNION CAP(ORFS)	0
9	D6000190	TOP NUT	4	*40	16801270	SPRING HOSE(PF*PF)	0
10	D6000200	HEAD CAP	1	40-1	16804270	SPRING HOSE(JIC*JIC)	2
11	D7000200	GAS VALVE ASSEMBLY	1	40-2	16811270	SPRING HOSE(ORFS*ORFS)	0
12	22402070	O-RING	4	40-3	16804130	HOSE(FOR SKID, JIC*JIC)	0
13	22401330	O-RING	1	*41	13006550	HOSE PLUG(PF)	0
14	22402300	O-RING	1	41-1	13008400	HOSE PLUG(JIC)	2
15	D5000220	MAIN VALVE CAP	1	41-2	13008220	HOSE PLUG(ORFS)	0
16	D5000240	MAIN VALVE	1	42	D7000360	M24 SOCKET PLUG	1
17	D5000230	MAIN VALVE CASE	1	43	22402090	O-RING	1
18	D6000210	CYLINDER	1	44	13006020	PT SOCKET HEAD PLUG	1
19	D6000220	CYLINDER BUSHING	1	45	22402020	O-RING	1
20	22402110	O-RING	3	46	D4000230	ORIFICE PLUG	1
21	13008850	O-RING ADAPTER(PF*PF)	0	*	*	*	*
21-1	13009340	O-RING ADAPTER(PF*JIC)	2	*	D6691000	HEAD CAP SET	*
21-2	13009530	O-RING ADAPTER(PF*ORFS)	0	*	D6691100	CYLINDER SET	*
22	DA000240	PF SOCKET PLUG	1	*	D6691200	TOOL HOLDER SET	*
23	13007810	GREASE NIPPLE	1	*	D5691300	MAIN VALVE SET	*
24	D5000260	STOP PIN(A)	3	*	D6691400	TENSION BOLT SET	*
25	13007320	RUBBER PLUG	3				

■ HK60 SPARE SEAL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	D6691500	SPARE SEAL KIT	1KIT	
1	22402070	O-RING	4	
2	22401330	O-RING	1	
3	22402300	O-RING	1	
4	22402110	O-RING	3	
5	22401490	O-RING	4	
6	22300030	STEP SEAL	2	
7	22200040	GAS SEAL	1	
8	22002560	DUST SEAL	1	
9	22003790	U PACKING SEAL	1	
10	22000110	BUFFER SEAL	1	
11	22402090	O-RING	1	
12	22402020	O-RING	1	
MEMO				

■ HK60 TOOL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty			Remarks
			Side	Top	Silence	
0	-	TOOL KIT	D6691600	D6691700	D6691800	HK60
1	16503000	TOOL BOX	1	1	1	No.2
2	16501140	COMBI SPANNER	1	1	1	14mm
3	16502100	DOUBLE SPANNER	1	1	1	27x30mm
4	16502520	SINGLE SPANNER	1	1	1	36mm
5	16501140	L WRENCH	1	1	1	5mm
6	16500700	HAMMER RING WRENCH	1	1	1	41mm
7	16503090	HANDLE RETAINER PIN	1	1	1	M12

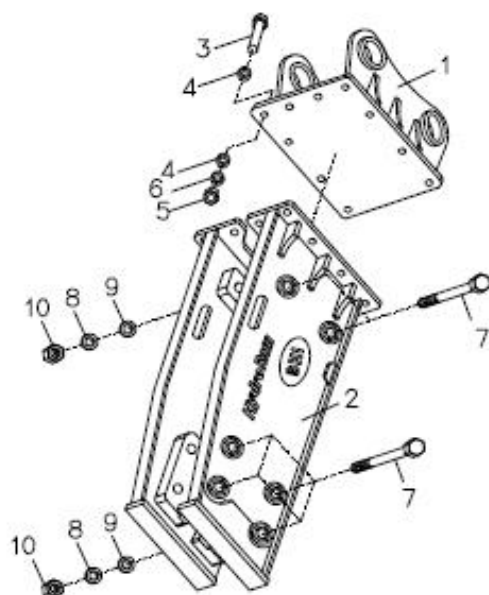
■ HK60 N2 GAS CHARGING KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	D5698000	N ₂ GAS CHARGING KIT	1	
1	13105900	N ₂ GAS 3-WAY VALVE ASSEMBLY	1	
2	16802000	N ₂ HOSE	1	
3	13105910	N ₂ COUPLING KIT	1	
4	13105930	N ₂ GAS CYLINDER	1	

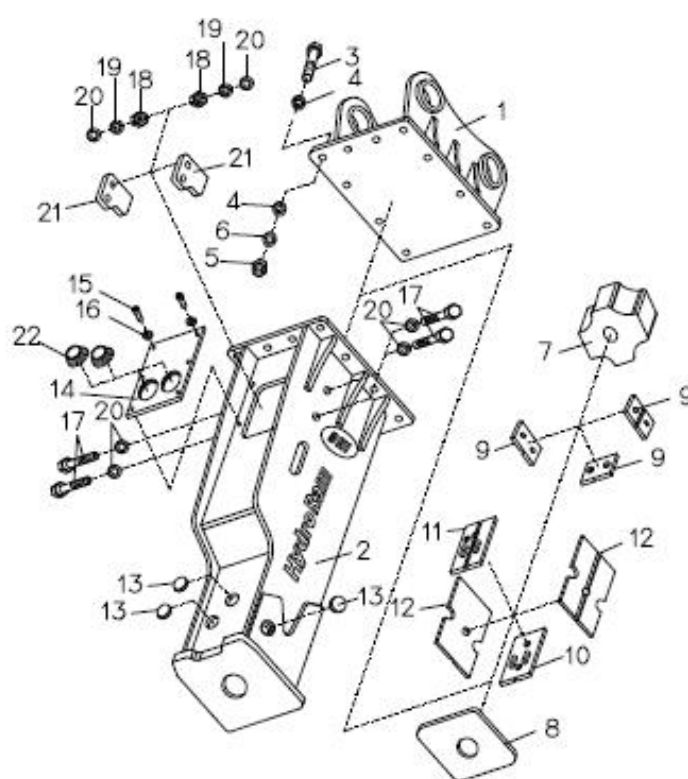
■ HK60 BRACKET PARTS LIST

HK60

TOP BRACKET



SILENCE BRACKET



■ HK60 BRACKET PARTS LIST

■ HK60 TOP BRACKET				■ HK60S SILENCE BRACKET			
No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D6200000	TOP BRACKET ASSEMBLY	1	0	D6300000	SILENCE BRACKET ASSEMBLY	1
1	D6200100	TOP BRACKET	1	1	D6300130	TOP BRACKET	1
2	D6200010	SIDE PLATE BRACKET	1	2	D6300010	SILENCE BRACKET	1
3	20007520	HEX HEAD BOLT	12	3	20007520	HEX HEAD BOLT	12
4	13000100	FLAT WASHER	24	4	13000100	FLAT WASHER	24
5	12001460	HEX HEAD NUT	12	5	12001460	HEX HEAD NUT	12
6	13001100	SPRING WASHER	12	6	13001100	SPRING WASHER	12
7	20036350	HEX HEAD BOLT	6	7	D5300060	UPPER CUSHION	1
8	13001140	SPRING WASHER	6	8	D6300040	DOWN CUSHION	1
9	13000220	FLAT WASHER	6	9	D5300080	SIDE WEAR PLATE	3
10	12006000	CAP NUT	6	10	D6300050	LOW FRONT WEAR PLATE(2)	1
*	D6695100	DECAL KIT(TOP)	*	11	D6300060	LOW FRONT WEAR PLATE(1)	1
MEMO				12	D6300070	LOW SIDE WEAR PLATE	2
				13	D9300070	RUBBER CAP-S	5
				14	D6300100	MC COVER PLATE	1
				15	20211400	HEX SOCKET BOLT	6
				16	13000080	FLAT WASHER	6
				17	20006790	HEX HEAD BOLT	4
				18	12001440	HEX HEAD NUT	4
				19	13001080	SPRING WASHER	4
				20	13000080	FLAT WASHER	4
				21	D6300110	STOPPER	2
				22	13008010	HOSE PROTECT	2
				*	D6695200	DECAL KIT(SILENCE)	*
				MEMO			

MEMO



BHI **HydroRam** **Hydraulic Hammer**

HK80 **Parts List**



The diagram is an exploded view of a mechanical assembly, likely a probe or sensor. It shows various components including a main housing (3), a probe tip (1), a probe body (24), a probe base (8), and various internal components like springs (10, 30), seals (31, 32, 33), and fasteners (9, 12, 13, 14, 15, 16, 17, 21, 22, 23, 25, 26, 27, 34, 35, 36, 37, 38, 39, 42, 43, 44, 45, 46, 47, 48, 49, 50). The parts are numbered 1 through 50. A table at the top left provides a list of serial numbers and models for the assembly.

Serial No.	Model
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50

■ HK80 POWER CELL PARTS LIST

No	Part No	Part Name	Q'ty	No	Part No	Part Name	Q'ty
0	D7000000	POWER CELL ASSEMBLY	1	23	D7000250	BOTTOM NUT	4
1	D7000050	TOOL(MOIL)	1	24	D7000260	TENSION BOLT	4
1-1	D7000060	TOOL(H-WEDGE)	1	25	D7000270	TENSION BOLT WASHER	4
1-2	D7000080	TOOL(CONE)	1	26	D7000280	TOP NUT	4
1-3	D7000090	TOOL(BLUNT)	1	27	13006060	PT SOCKET PLUG	1
1-4	D7000070	TOOL(V-WEDGE)	1	29	22200050	GAS SEAL	1
1-5	D7000100	TOOL(SPADE H-WEDGE)	1	30	22300040	STEP SEAL	2
1-6	D7000110	TOOL(SPADE V-WEDGE)	1	31	22000140	BUFFER SEAL	1
2	D7000130	TOOL HOLDER BUSHING	1	32	22003830	U PACKING SEAL	1
3	D7000140	TOOL HOLDER	1	33	22002600	DUST SEAL	1
4	D7000150	STOP PIN(B)	2	34	D7000310	RETAINER PIN	2
5	13007320	RUBBER PLUG	5	35	D7000290	CYLINDER BUSHING	1
6	D7000160	ROUND BUSHING	1	36	22402090	O-RING	6
7	D7000170	CYLINDER	1	37	D7000360	M24 SOCKET PLUG	6
8	D7000180	PISTON	1	38	D9000050	PIN	4
9	13006010	PT SOCKET PLUG	8	39	22402070	O-RING	1
10	22401540	O-RING	3	*40	16801270	SPRING HOSE(PF*PF)	0
11	D7000190	HEAD CAP	1	40-1	16804270	SPRING HOSE(JIC*JIC)	2
12	D7000200	GAS VALVE ASSEMBLY	1	40-2	16811270	SPRING HOSE(ORFS*ORFS)	0
13	22402390	O-RING	1	*41	13006550	HOSE PLUG(PF)	0
14	22401370	O-RING	1	41-1	13008410	HOSE PLUG(JIC)	2
15	D7000210	MAIN VALVE CASE	1	41-2	13008240	HOSE PLUG(ORFS)	0
16	D7000220	MAIN VALVE CAP	1	42	13006030	PT SOCKET PLUG	3
17	D7000230	MAIN VALVE	1	43	22402040	O-RING	1
18	13008850	O-RING ADAPTER(PF*PF)	0	44	D4000230	ORIFICE PLUG	1
18-1	13009340	O-RING ADAPTER(PF*JIC)	2	45	DF000590	ADJUSTER VAVLE	1
18-2	13009530	O-RING ADAPTER(PF*ORFS)	0	46	22402060	O-RING	1
19	22402110	O-RING	2	47	22405650	BACK UP RING	1
20	13007130	UNION CAP(PF)	0	48	12002410	HEX HEAD NUT	1
20-1	13007030	UNION CAP(JIC)	2	49	DE000340	PF SOCKET PLUG	1
20-2	13007440	UNION CAP(ORFS)	0	50	22402000	O-RING	1
21	13007810	GREASE NIPPLE	1				
22	D7000240	STOP PIN(A)	3				

No	Part No	Part Name	Q'ty	MEMO
*	D7691000	HEAD CAP SET	-	
*	D7691100	CYLINDER SET	-	
*	D7691200	TOOL HOLDER SET	-	
*	D7691300	MAIN VALVE SET	-	
*	D7691400	TENSION BOLT SET	-	
MEMO				

■ HK80 SPARE SEAL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D7691510	SPARE SEAL KIT	1	13	22402060	O-RING	1
1	22401540	O-RING	3	14	22405650	BACK UP RING	1
2	22402390	O-RING	1	15	22402000	O-RING	1
3	22401370	O-RING	1	MEMO			
4	22402110	O-RING	2				
5	22200050	GAS SEAL	1				
6	22300040	STEP SEAL	2				
7	22000140	BUFFER SEAL	1				
8	22003830	U PACKING SEAL	1				
9	22002600	DUST SEAL	1				
10	22402090	O-RING	6				
11	22402070	O-RING	1				
12	22402040	O-RING	1				

■ HK80 TOOL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty			Remarks
			Side	Top	Silence	
0	-	TOOL KIT	D7691600	D7691700	D7691800	HK80
1	16503000	TOOL BOX	1	1	1	No.2
2	16502100	DOUBLE SPANNER	1	1	1	27x30mm
3	16502520	SINGLE SPANNER	1	1	1	36mm
4	16500260	COMBI SPANNER	1	1	1	14mm
5	16500690	HAMMER RING WRENCH	-	1	1	36mm
6	16500730	HAMMER RING WRENCH	1	1	1	55mm
7	16501140	L-WRENCH	1	1	1	5mm
8	16501170	L-WRENCH	1	1	1	10mm
9	16503090	HANDLE RETAINER PIN	1	1	1	M12

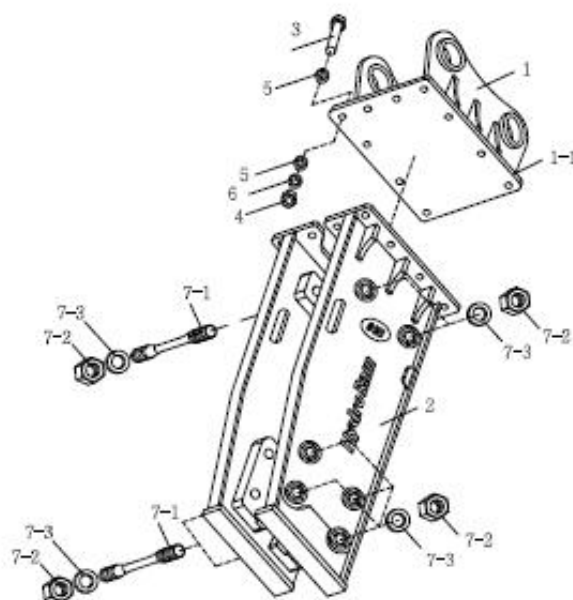
■ HK80 N2 GAS CHARGING KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	D5698000	N ₂ GAS CHARGING KIT	1	
1	13105900	N ₂ GAS 3-WAY VALVE ASSEMBLY	1	
2	16802000	N ₂ HOSE	1	
3	13105910	N ₂ COUPLING KIT	1	
4	13105920	N ₂ GAS CYLINDER	1	

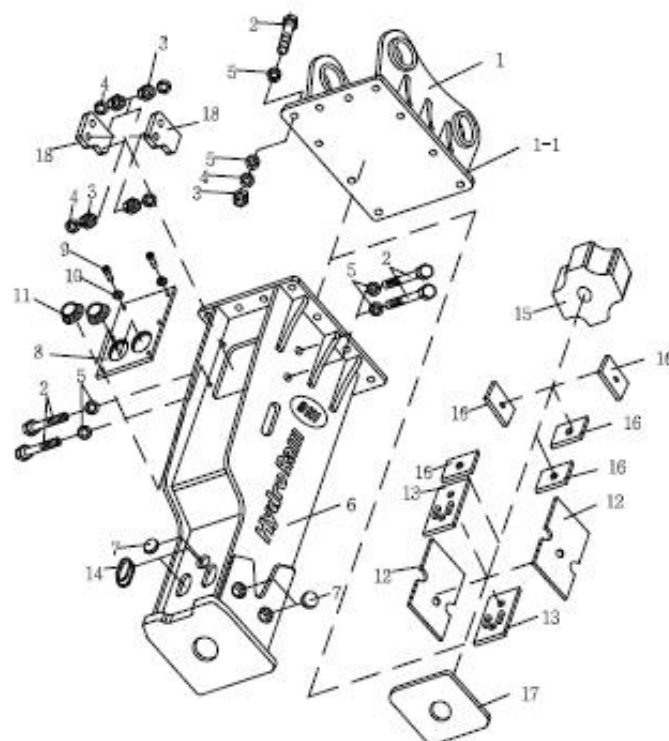
■ HK80 BRACKET PARTS LIST

HK80

TOP BRACKET



SILENCE BRACKET



■ HK80 BRACKET PARTS LIST

■ HK80 TOP BRACKET				■ HK80S SILENCE BRACKET			
No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D7200000	TOP BRACKET ASSEMBLY	1	0	D7300000	SILENCE BRACKET ASSEMBLY	1
1	D7200080	TOP BRACKET	1	1	D7300050	TOP BRACKET	1
2	D7200090	SIDE PLATE BRACKET	1	2	20008640	HEX HEAD BOLT	16
3	20008640	HEX HEAD BOLT	12	3	12001490	HEX HEAD NUT	16
4	12001490	HEX HEAD NUT	12	4	13001130	SPRING WASHER	16
5	13000130	FLAT WASHER	24	5	13000130	FLAT WASHER	32
6	13001130	SPRING WASHER	12	6	D7300260	SILENCE BRACKET	1
7	D7693010	SET BOLT SET	6	7	D9300070	RUBBER CAP-S	5
7-1	D8200080	SET BOLT	1	8	D7300100	COVER PLATE	1
7-2	D8200090	SET BOLT NUT	2	9	20211390	HEX SOCKET HEAD BOLT	6
7-3	D7200140	SET BOLT WASHER	2	10	13000070	FLAT WASHER	6
*	D7695100	DECAL KIT(TOP)	*	11	13008010	HOSE PROTECT	2
MEMO				12	D7300280	LOW SIDE WEAR PLATE	2
				13	D7300290	LOW FRONT WEAR PLATE	2
				14	D7300160	RUBBER CAP-F	4
				15	D7300080	UPPER CUSHION	1
				16	D7300320	SIDE WEAR PLATE	5
				17	D7300090	DOWN CUSHION	1
				18	D7300310	STOPPER	2
				*	D7695200	DECAL KIT(SILENCE)	*
				MEMO			



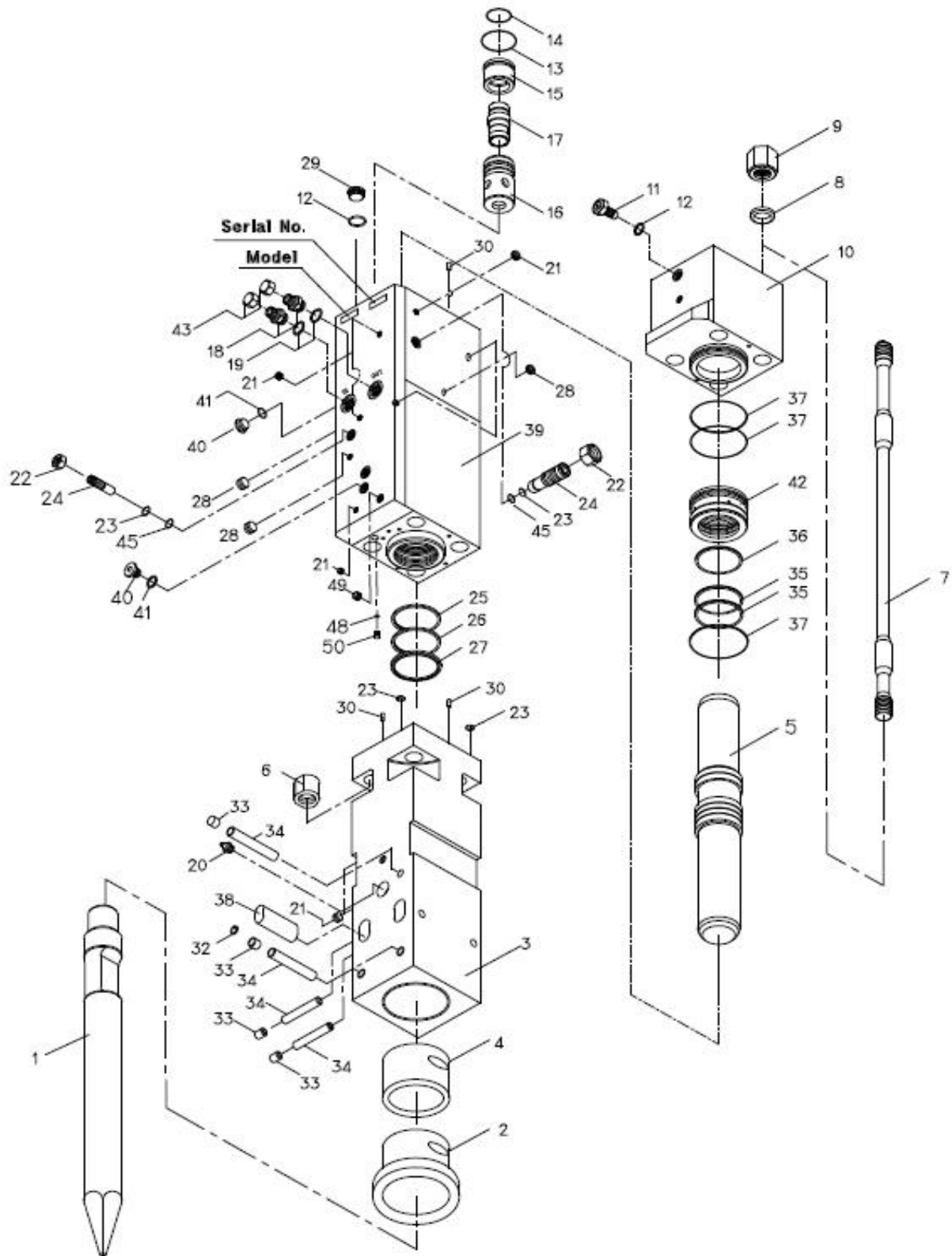
BHI **HydroRam** **Hydraulic Hammer**

HK130 **Parts List**



■ HK130 POWER CELL PARTS LIST

HK130 POWER CELL



■ HK130 POWER CELL PARTS LIST

No	Part No	Part Name	Q'ty	No	Part No	Part Name	Q'ty
0	D8000000	POWER CELL ASSEMBLY	1	26	22003900	U PACKING SEAL	1
1	D8000050	TOOL(MOIL)	1	27	22002650	DUST SEAL	1
1-1	D8000090	TOOL(H-WEDGE)	-	28	13006010	PT SOCKET PLUG	4
1-2	D8000060	TOOL(CONE)	-	29	DA000400	PF SOCKET PLUG	3
1-3	D8000070	TOOL(BLUNT)	-	30	D9000050	PIN	4
1-4	D8000080	TOOL(V-WEDGE)	-	*31	*	*	*
1-5	D8000100	TOOL(SPADE H-WEDGE)	-	32	13003140	SNAP RING	2
1-6	D8000110	TOOL(SPADE V-WEDGE)	-	33	13007320	RUBBER PLUG	5
2	D8000180	TOOL HOLDER BUSHING	1	34	D8000290	STOP PIN(A)	5
3	D8000190	TOOL HOLDER	1	35	22300050	STEP SEAL	2
4	D8000200	ROUND BUSHING	1	36	22200060	GAS SEAL	1
5	D8000210	PISTON	1	37	22402670	O-RING	4
6	D8000360	BOTTOM NUT	4	38	D8000300	RETAINER PIN	2
7	D8000340	TENSION BOLT	4	39	D8000310	CYLINDER	1
8	D8000430	TENSION BOLT WASHER	4	40	D7000360	M24 SOCKET PLUG	2
9	D8000350	TOP NUT	4	41	22402090	O-RING	2
10	D8000230	HEAD CAP	1	42	D8000330	CYLINDER BUSHING	1
11	D7000200	GAS VALVE ASSEMBLY	1	43	13007150	UNION CAP(PF)	0
12	22402070	O-RING	4	43-1	13007620	UNION CAP(JIC)	2
13	22401390	O-RING	1	43-2	13007450	UNION CAP(ORFS)	0
14	22401360	O-RING	1	*44	*	*	*
15	D8000240	MAIN VALVE CAP	1	45	22405650	BACK UP RING	2
16	D8000250	MAIN VALVE CASE	1	*46	13006570	HOSE PLUG(PF)	2
17	D8000260	MAIN VALVE	1	46-1	13008420	HOSE PLUG(JIC)	0
18	13008870	O-RING ADAPTER(PF*PF)	0	46-2	13008250	HOSE PLUG(ORFS)	0
18-1	13009360	O-RING ADAPTER(PF*JIC)	2	*47	16801460	SPRING HOSE(PF*PF)	0
18-2	13009550	O-RING ADAPTER(PF*ORFS)	0	47-1	16804530	SPRING HOSE(JIC*JIC)	2
19	22402160	O-RING	2	47-2	16810250	SPRING HOSE(PF*ORFS)	0
20	13007810	GREASE NIPPLE	1	48	22402000	O-RING	1
21	13006030	PT SOCKET PLUG	6	49	13006020	PT SOCKET PLUG	1
22	12002410	HEX HEAD NUT	2	50	DE000340	PF SOCKET PLUG	1
23	22402060	O-RING	4	*	D8691000	HEAD CAP SET	*
24	DF000590	ADJUSTER VALVE	2	*	D8691100	CYLINDER SET	*
25	22000180	BUFFER SEAL	1	*	D8691200	TOOL HOLDER SET	*
				*	D8691300	MAIN VALVE SET	*
				*	D8691400	TENSION BOLT SET	*

■ HK130 SPARE SEAL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D8691510	SPARE SEAL KIT	1	7	22003900	U PACKING SEAL	1
1	22402070	O-RING	4	8	22002650	DUST SEAL	1
2	22401390	O-RING	1	9	22300050	STEP SEAL	2
3	22401360	O-RING	1	10	22200060	GAS SEAL	1
4	22402160	O-RING	2	11	22402670	O-RING	4
5	22402060	O-RING	4	12	22402090	O-RING	2
6	22000180	BUFFER SEAL	1	13	22405650	BACK UP RING	2

■ HK130 TOOL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty			Remarks
			Side	Top	Silence	
0	*	TOOL KIT	D8691600	D8691700	D8691800	HK130
1	16502990	TOOL BOX	1	1	1	No.1
2	16501140	L-WRENCH	1	1	1	5mm
3	16501170	L-WRENCH	1	1	1	10mm
4	16500260	COMBI SPANNER	1	1	1	14mm
5	16502510	SINGLE SPANNER	1	1	1	32mm
6	16502530	SINGLE SPANNER	1	1	1	41mm
7	16502100	DOUBLE SPANNER	1	1	1	27x30mm
8	16500730	HAMMER RING WRENCH	1	1	1	55mm
9	16500710	HAMMER RING WRENCH	-	1	1	46mm
10	16503090	HANDLE RETAINER PIN	1	1	1	M12

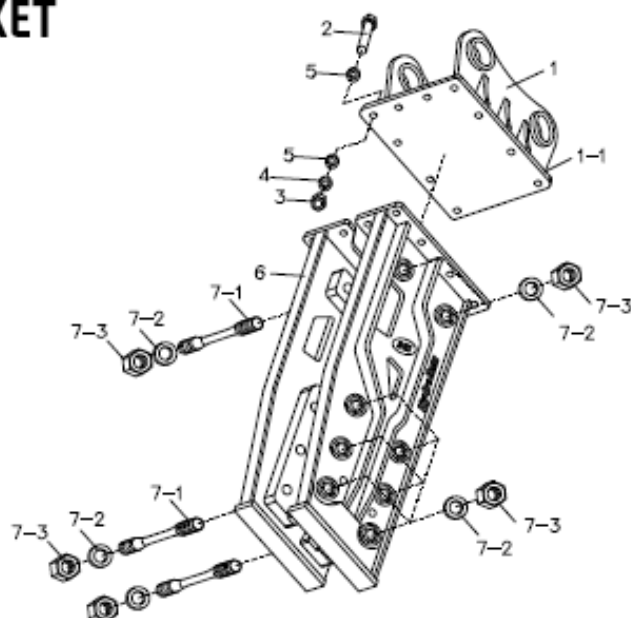
■ HK130 N2 GAS CHARGING KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	DA698000	N ₂ GAS CHARGING KIT	1	
1	13105900	N ₂ GAS 3-WAY VALVE ASSEMBLY	1	
2	16802000	N ₂ HOSE	1	
3	13105910	N ₂ COUPLING KIT	1	
4	13105920	N ₂ GAS CYLINDER	1	

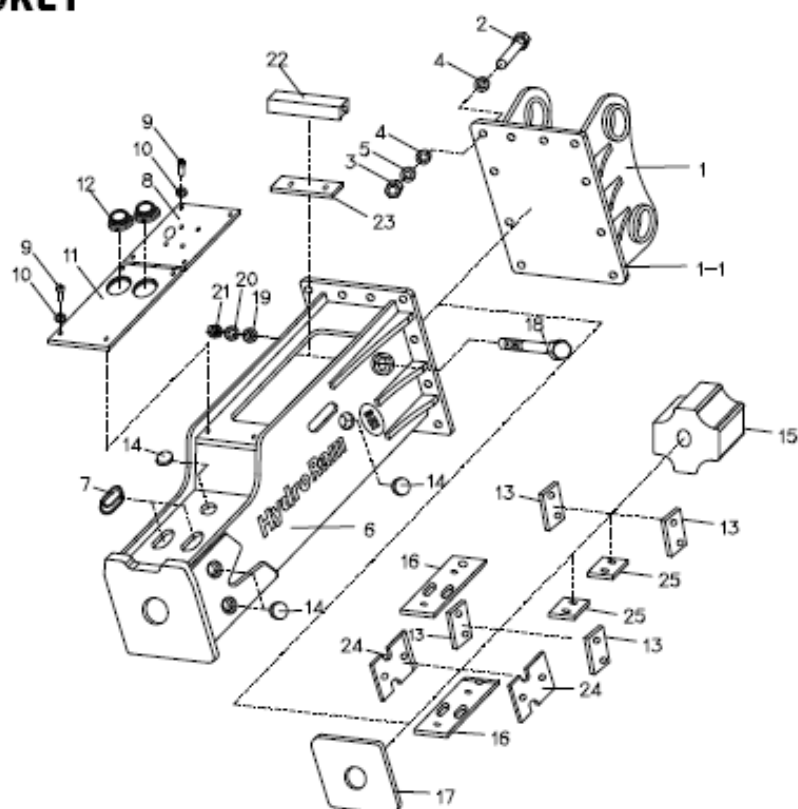
HK130 BRACKET PARTS LIST

HK130

TOP BRACKET



SILENCE BRACKET



■ HK130 BRACKET PARTS LIST

■ HK130 TOP BRACKET				■ HK130S SILENCE BRACKET			
No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	D8200000	TOP BRACKET ASSEMBLY	1	0	D8300000	SILENCE BRACKET ASSEMBLY	1
1	DA200080	TOP BRACKET	1	1	D8300240	TOP BRACKET	1
2	20009410	HEX HEAD BOLT	12	2	20009410	HEX HEAD BOLT	12
3	12001500	HEX HEAD NUT	12	3	12001500	HEX HEAD NUT	12
4	13001150	SPRING WASHER	12	4	13001150	SPRING WASHER	12
5	13000140	FLAT WASHER	24	5	13000140	FLAT WASHER	24
6	D8200050	SIDE PLATE BRACKET	1	6	D8300010	SILENCE BRACKET	1
7	D8693000	SET BOLT SET	8	7	D8300130	RUBBER CAP-F	4
7-1	D8200080	SET BOLT	1	8	D8300200	UPPER COVER	1
7-2	D8200100	SET BOLT WASHER	2	9	20211760	HEX SOCKET HEAD BOLT	8
7-3	D8200090	SET BOLT NUT	2	10	13000080	FLAT WASHER	8
*	D8695100	DECAL KIT(TOP)	*	11	D8300210	DOWN COVER	1
MEMO				12	13008020	HOSE PROTECT	2
				13	DA300900	SIDE WEAR PLATE	4
				14	D9300070	RUBBER CAP-S	6
				15	D7300080	UPPER CUSHION	1
				16	D8300160	LOW FRONT WEAR PLATE	2
				17	D8300090	DOWN CUSHION	1
				18	20038300	HEX HEAD BOLT	1
				19	13000150	FLAT WASHER	1
				20	13001160	SPRING WASHER	1
				21	12001510	HEX HEAD NUT	1
				22	D8300180	MIDDLE BLOCK	1
				23	D8300190	MIDDLE BLOCK CUSHION	1
				24	D8300150	LOW SIDE WEAR PLATE	2
				25	D8300170	BOTTOM WEAR PLATE	2
				*	D8695200	DECAL KIT(SILENCE)	*

MEMO



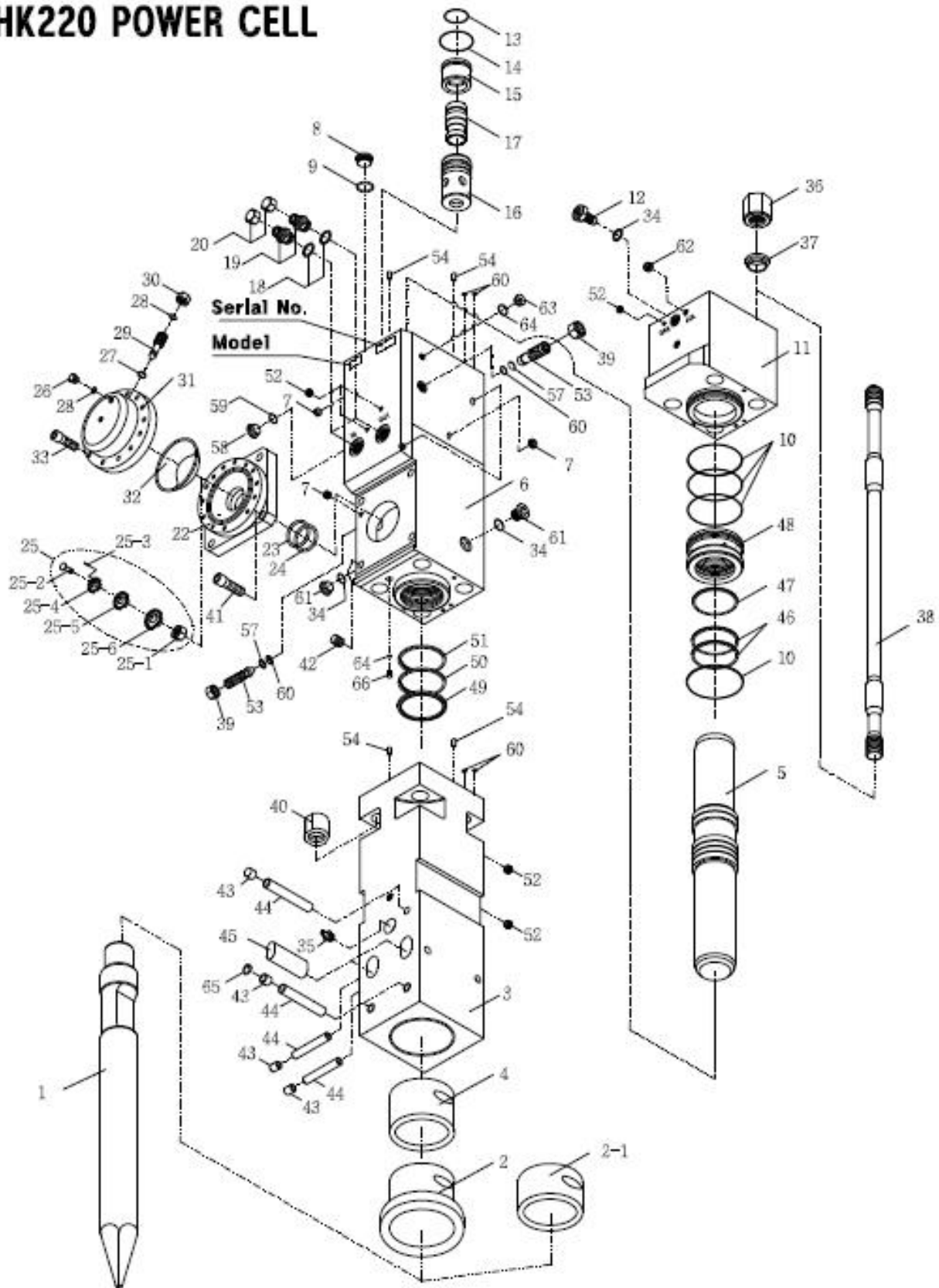
BHI **HydroRam** **Hydraulic Hammer**

HK220 **Parts List**



■ HK220 POWER CELL PARTS LIST

HK220 POWER CELL



■ HK220 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	DA000920	POWER CELL ASSEMBLY	1	20-2	13007460	UNION CAP(ORFS)	*
1	DA000050	TOOL (MOIL)	1	*21	DG000350	ACCUMULATOR ASSEMBLY	1
1-1	DA000080	TOOL (H-WEDGE)	0	22	DG000220	ACCUMULATOR BODY	1
1-2	DA000060	TOOL (CONE TYPE)	0	23	22500260	BACK UP RING	1
1-3	DA000090	TOOL (BLUNT)	0	24	22401430	O-RING	1
1-4	DA000070	TOOL (V-WEDGE)	0	25	DG692300	ACC. ORIFICE SET	1
2	DA000170	TOOL HOLDER BUSHING(T)	1	25-1	DA000440	LOCK NUT	1
2-1	DA000940	TOOL HOLDER BUSHING(T) (Oversized (+0.08~+0.1mm))	-	25-2	DG000450	ORIFICE(A)	1
2-2	DA000550	TOOL HOLDER BUSHING(S)	1	25-3	DG000490	HOLDER PIN	1
2-3	DA001150	TOOL HOLDER BUSHING(S) (Oversized (+0.08~+0.1mm))	-	25-4	DG000460	ORIFICE(B)	1
3	DA000780	TOOL HOLDER	1	25-5	DG000470	ORIFICE(C)	1
4	DA000190	ROUND BUSHING	1	25-6	DG000480	ORIFICE(D)	1
4-1	DA001210	ROUND BUSHING (Oversized (+0.08~+0.1))	-	26	DA000510	O-RING CAP	1
5	DA000200	PISTON	4	27	22401930	O-RING	1
6	DA000910	CYLINDER	3	28	22402040	O-RING	2
7	13006010	PT SOCKET PLUG	3	29	DA000500	CHARGING VALVE	1
8	DA000240	PF SOCKET PLUG	4	30	DC000320	O-RING PLUG	1
9	22402110	O-RING	3	31	DG000210	ACCUMULATOR COVER	1
10	22401600	O-RING	4	32	DG000410	DIAPHRAGM	1
11	DA000800	HEAD CAP	1	33	20215010	HEX SOCKET HEAD BOLT	12
12	D7000200	GAS VALVE ASSEMBLY	1	34	22402070	O-RING	3
13	22401360	O-RING	1	35	13007810	GREASE NIPPLE	1
14	22401410	O-RING	1	36	DA000830	TOP NUT	4
15	DA000250	MAIN VALVE CAP	1	37	DA000840	TOP NUT WASHER	4
16	DA000260	MAIN VALVE CASE	2	38	DA000820	TENSION BOLT	4
17	DA000270	MAIN VALVE	2	39	12002410	HEX HEAD NUT	2
18	22402160	O-RING	2	40	DA000850	BOTTOM NUT	4
19	13008870	O-RING ADAPTER(PF*PF)	*	41	20213600	HEX SOCKET HEAD BOLT	4
19-1	13009360	O-RING ADAPTER(PF*JIC))	2	42	13102800	HELI COIL SPRING	4
19-2	13009550	O-RING ADAPTER(PF*ORFS)	*	43	13007320	RUBBER PLUG	5
20	13007150	UNION CAP(PF)	*	44	DA000360	STOP PIN	5
20-1	13007040	UNION CAP(JIC)	2	45	DA000370	RETAINER PIN	2

■ HK220 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
46	22300070	STEP SEAL	2	
47	22200080	GAS SEAL	1	
48	DA000380	CYLINDER BUSHING	1	
49	22002690	DUST SEAL	1	
50	22003940	U-PACKING SEAL	1	
51	22000230	BUFFER SEAL	1	
52	13006030	PT SOCKET PLUG	5	
53	DA000860	ADJUSTER VALVE	2	
54	D9000050	PIN	4	
*55	16801490	SPRING HOSE(PF*PF)	*	
55-1	16804560	SPRING HOSE(JIC*JIC)	2	
55-2	16811010	SPRING HOSE(ORFS*ORFS)	*	
*56	13006570	HOSE PLUG(PF)	*	
56-1	13008420	HOSE PLUG(JIC)	2	
56-2	13008250	HOSE PLUG(ORFS)	*	
57	22405650	BACK UP RING	2	
58	DD000230	M32 SOCKET PLUG	1	
59	22402150	O-RING	1	
60	22402060	O-RING	6	
61	DA000400	PF SOCKET PLUG	2	
62	13006020	PT SOCKET PLUG	1	
63	DH000380	PF SOCKET PLUG	1	
64	22402000	O-RING	2	
65	13003120	SNAP RING	2	
66	DE000340	PF1/4 SOCKET PLUG	1	
*	*	*	*	
*	DA691000	HEAD CAP SET	*	
*	DA691100	CYLINDER SET	*	
*	DA691200	TOOL HOLDER SET	*	
*	DA691300	MAIN VALVE SET	*	
*	DA691410	TENSION BOLT SET	*	
*	DG000350	ACCUMULATOR ASSEMBLY	*	

■ HK220 SPARE SEAL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	DA691520	SPARE SEAL KIT	1	
1	22402110	O-RING	3	
2	22401600	O-RING	4	
3	22401360	O-RING	1	
4	22401410	O-RING	1	
5	22402160	O-RING	2	
6	22500260	BACK UP RING	1	
7	22401430	O-RING	1	
8	22401930	O-RING	1	
9	22402040	O-RING	2	
10	22402070	O-RING	3	
11	22300070	STEP SEAL	2	
12	22200080	GAS SEAL	1	
13	22002690	DUST SEAL	1	
14	22003940	U-PACKING SEAL	1	
15	22000230	BUFFER SEAL	1	
16	22405650	BACK UP RING	2	
17	22402150	O-RING	1	
18	22402060	O-RING	6	
19	22402000	O-RING	2	
MEMO				

■ HK220 TOOL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty			Remarks
			Side	Top	Silence	
0	-	TOOL KIT	DA691600	DA691710	DA691810	HK220
1	16502990	TOOL BOX	1	1	1	No.1
2	16500260	COMBI SPANNER	1	1	1	14mm
3	16502510	SINGLE SPANNER	1	1	1	32mm
4	16502530	SINGLE SPANNER	1	1	1	41mm
5	16502100	DOUBLE SPANNER	1	1	1	27X30mm
6	16501140	L WRENCH	1	1	1	5mm
7	16501170	L WRENCH	1	1	1	10mm
8	16501190	L WRENCH	1	1	1	14mm
9	16501210	L WRENCH	1	1	1	19mm
10	16503090	HANDLE RETAINER PIN	1	1	1	M12
11	16500710	HAMMER RING WRENCH	-	1	1	46mm
12	16500760	HAMMER RING WRENCH	1	1	1	70mm
13	16500770	HAMMER RING WRENCH	1	1	-	75mm

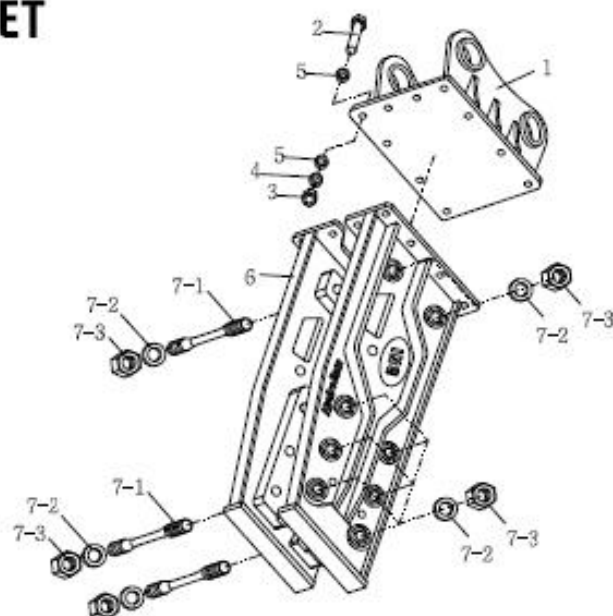
■ HK220 N2 GAS CHARGING KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	DA698000	N ₂ GAS CHARGING KIT	1	
1	13105900	N ₂ GAS 3-WAY VALVE ASSEMBLY	1	
2	16802000	N ₂ HOSE	1	
3	13105910	N ₂ COUPLING KIT	1	
4	13105920	N ₂ GAS CYLINDER	1	

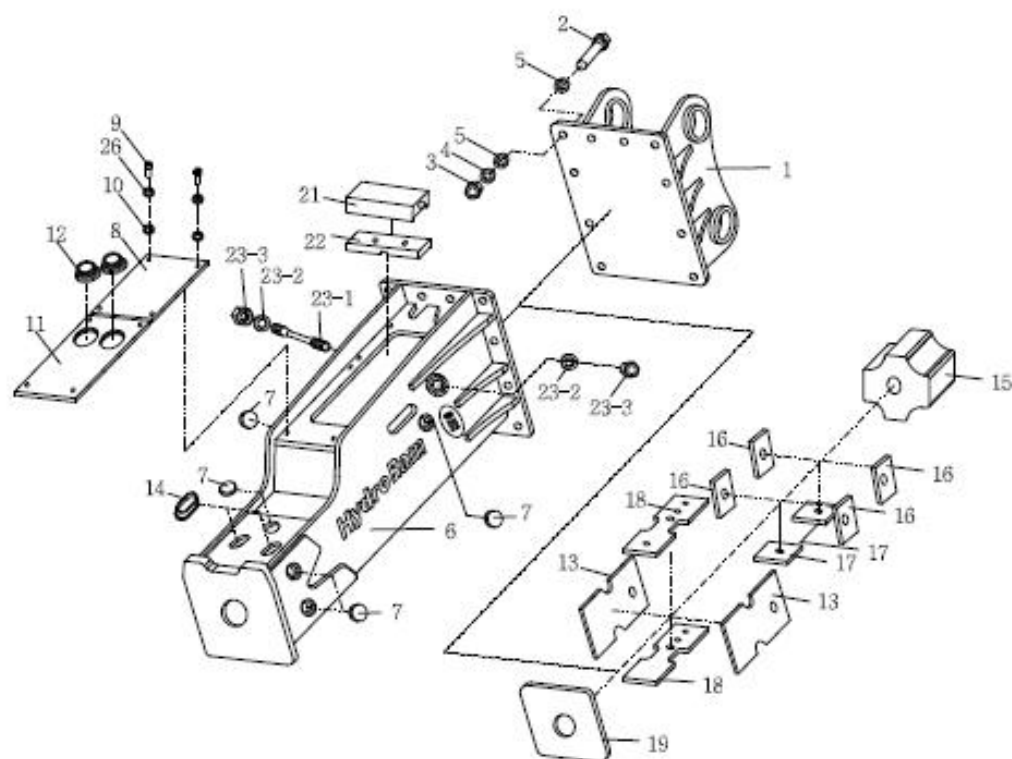
HK220 BRACKET PARTS LIST

HK220

TOP BRACKET



SILENCE BRACKET



■ HK220 BRACKET PARTS LIST

■HK220 TOP BRACKET				■HK220S SILENCE BRACKET			
No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	DA200000	TOP BRACKET ASSEMBLY	1	0	DA300870	SILENCE BRACKET ASSEMBLY	1
1	DA200080	TOP BRACKET	1	1	DA300970	TOP BRACKET	1
2	20009410	HEX HEAD BOLT	12	2	20009410	HEX HEAD BOLT	12
3	12001500	HEX HEAD NUT	12	3	12001500	HEX HEAD NUT	12
4	13001150	SPRING WASHER	12	4	13001150	SPRING WASHER	12
5	13000140	FLAT WASHER	24	5	13000140	FLAT WASHER	24
6	DA200130	SIDE PLATE BRACKET	1	6	DA300880	SILENCE BRACKET	1
7	DA693010	SET BOLT SET	8	7	D9300070	RUBBER CAP-S	7
7-1	DA200140	SET BOLT	1	8	DA301010	UPPER COVER	1
7-2	DG200040	SET BOLT WASHER	2	9	20211760	HEX SOCKET HEAD BOLT	8
7-3	DG200030	SET BOLT NUT	2	10	13000080	FLAT WASHER	8
*	DA695100	DECAL KIT(TOP)	*	11	DA300990	DOWN COVER	1
MEMO				12	13008020	HOSE PROTECT	2
				13	DA300930	LOW SIDE WEAR PLATE	2
				14	D8300130	RUBBER CAP-F	4
				15	DA300470	UPPER CUSHION	1
				16	DA300900	SIDE WEAR PLATE	4
				17	DA300910	FRONT WEAR PLATE	2
				18	DA300920	LOW FRONT WEAR PLATE	2
				19	DA300380	DOWN CUSHION	1
				21	DA301020	MIDDLE BLOCK	1
				22	DD300090	MIDDLE BLOCK CUSHION	1
				23	DA693010	SET BOLT SET	1
				23-1	DA200140	SET BOLT	1
				23-2	DG200040	SET BOLT WASHER	2
				23-3	DG200030	SET BOLT NUT	2
				*	DA695200	DECAL KIT(SILENCE)	*



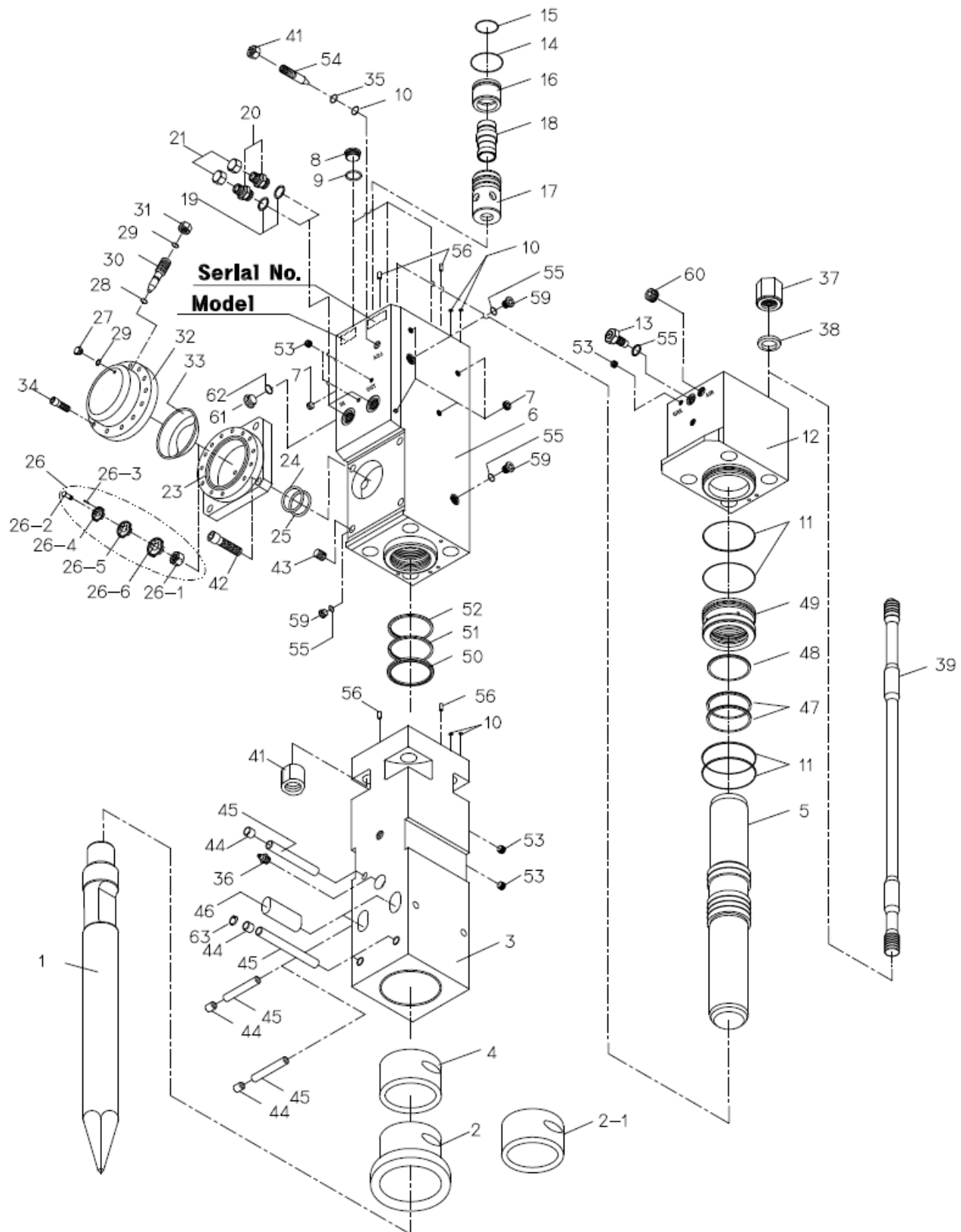
BHI HydroRam Hydraulic Hammer

HK250 Parts List



HK250 POWER CELL PARTS LIST

HK250 POWER CELL



■ HK250 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	DB000000	POWER CELL ASSEMBLY	1	21	13007170	UNION CAP(PF)	0
1	DB000220	TOOL(MOIL)	1	21-1	13007050	UNION CAP(JIC)	2
1-1	DB000250	TOOL(H-WEDGE)	0	21-2	13007460	UNION CAP(ORFS)	0
1-2	DB000230	TOOL(CONE)	0	*22	DC000830	ACCUMULATOR ASSEMBLY	2
1-3	DB000260	TOOL(BLUNT)	0	23	DC000840	ACCUMULATOR BODY	1
1-4	DB000240	TOOL(V-WEDGE)	0	24	22409600	BACK UP RING	1
2	DB000130	TOOL HOLDER BUSHING(T)	1	25	22402540	O-RING	1
2-1	DB000280	TOOL HOLDER BUSHING(S)	1	26	DG692300	ACC. ORIFICE SET	1
2-2	DB001010	TOOL HOLDER BUSHING(T) (Oversized (+0.08~+0.1mm))	-	26-1	DA000440	LOCK NUT	1
2-3	DB001050	TOOL HOLDER BUSHING(S) (Oversized (+0.08~+0.1mm))	-	26-2	DG000450	ORIFICE(A)	1
3	DB000110	TOOL HOLDER	1	26-3	DG000490	HOLDER PIN	1
4	DB000120	ROUND BUSHING	1	26-4	DG000460	ORIFICE(B)	1
4-1	DB001210	ROUND BUSHING (Oversized (+0.08~+0.1mm))	-	26-5	DG000470	ORIFICE(C)	1
5	DB000060	PISTON	1	26-6	DG000480	ORIFICE(D)	1
6	DB000370	CYLINDER	1	27	DA000510	O-RING CAP	1
7	13006010	PT SOCKET PLUG	5	28	22401930	O-RING	1
8	DA000240	PF SOCKET PLUG	3	29	22402040	O-RING	2
9	22402110	O-RING	3	30	DA000500	CHARGING VALVE	1
10	22402060	O-RING	5	31	DC000320	O-RING PLUG	1
11	22401630	O-RING	4	32	DC000350	ACCUMULATOR COVER	1
12	DB000290	HEAD CAP	1	33	DC000360	DIAPHRAGM	1
13	D7000200	GAS VALVE ASSEMBLY	1	34	20212100	HEX SOCKET HEAD BOLT	16
14	22401430	O-RING	1	35	22405650	BACK UP RING	1
15	22401350	O-RING	1	36	13007810	GREASE NIPPLE	1
16	DB000100	MAIN VALVE CAP	1	37	DB000350	TOP NUT	4
17	DB000080	MAIN VALVE CASE	1	38	DB000180	TOP NUT WASHER	4
18	DB000090	MAIN VALVE	1	39	DB000340	TENSION BOLT	4
19	22402260	O-RING	2	40	12002410	HEX HEAD NUT	1
20	13008890	O-RING ADAPTER(PF*PF)	0	41	DB000360	BOTTOM NUT	4
20-1	13009380	O-RING ADAPTER(PF*JIC)	2	42	20213620	HEX SOCKET HEAD BOLT	4
20-2	13009570	O-RING ADAPTER(PF*ORFS)	0	43	13102810	HELI COIL SPRING	4

■ HK250 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
44	13007320	RUBBER PLUG	5	
45	DB000140	STOP PIN	5	
46	DB000150	RETAINER PIN	2	
47	22300110	STEP SEAL	2	
48	22200120	GAS SEAL	1	
49	DB000070	CYLINDER BUSHING	1	
50	22002710	DUST SEAL	1	
51	22003960	U PACKING SEAL	1	
52	22000240	BUFFER SEAL	1	
53	13006030	PT SOCKET PLUG	5	
54	DF000590	ADJUSTER VALVE	1	
55	22402070	O-RING	4	
56	D9000050	PIN	4	
*57	16801490	SPRING HOSE(PF*PF)	0	
57-1	16804560	SPRING HOSE(JIC*JIC)	2	
57-2	16811010	SPRING HOSE(ORFS*ORFS)	0	
*58	13006590	HOSE PLUG(PF)	0	
58-1	13008430	HOSE PLUG(JIC)	2	
58-2	13008260	HOSE PLUG(ORFS)	0	
59	DA000400	PF SOCKET PLUG	3	
60	13006020	PT SOCKET PLUG	1	
61	DD000230	M32 SOCKET PLUG-	1	
62	22402150	O-RING	1	
63	13003120	SNAN RING	2	
*	*	*	*	
*	DB691000	HEAD CAP SET	*	
*	DB691100	CYLINDER SET	*	
*	DB691200	TOOL HOLDER SET	*	
*	DB691300	MAIN VALVE SET	*	
*	DB691400	TENSION BOLT SET	*	
*	DC000830	ACCUMULATOR ASSEMBLY	*	
MEMO				

■ HK250 SPARE SEAL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	DB691500	SPARE SEAL KIT	1	
1	22402110	O-RING	3	
2	22402060	O-RING	5	
3	22401630	O-RING	4	
4	22401430	O-RING	1	
5	22401350	O-RING	1	
6	22402260	O-RING	2	
7	22409600	BACK UP RING	1	
8	22402540	O-RING	1	
9	22401930	O-RING	1	
10	22402040	O-RING	2	
11	22405650	BACK UP RING	1	
12	22300110	STEP SEAL	2	
13	22200120	GAS SEAL	1	
14	22002710	DUST SEAL	1	
15	22003960	U PACKING SEAL	1	
16	22000240	BUFFER SEAL	1	
17	22402070	O-RING	4	
18	22402150	O-RING	1	
MEMO				

■ HK250 TOOL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty			Remarks
			Side	Top	Silence	
0	-	TOOL KIT	DB691600	DB691700	DB691800	HK250
1	16502990	TOOL BOX	1	1	1	No.1
2	16500260	COMBI SPANNER	1	1	1	14mm
3	16502510	SINGLE SPANNER	1	1	1	32mm
4	16502580	SINGLE SPANNER	1	1	1	50mm
5	16502100	DOUBLE SPANNER	1	1	1	27X30mm
6	16501140	L WRENCH	1	1	1	5mm
7	16501170	L WRENCH	1	1	1	10mm
8	16501190	L WRENCH	1	1	1	14mm
9	16501210	L WRENCH	1	1	1	19mm
10	16503090	HANDLE RETAINER PIN	1	1	1	M12
11	16500770	HAMMER RING WRENCH	1	1	1	75mm
12	16500730	HAMMER RING WRENCH	-	1	1	55mm

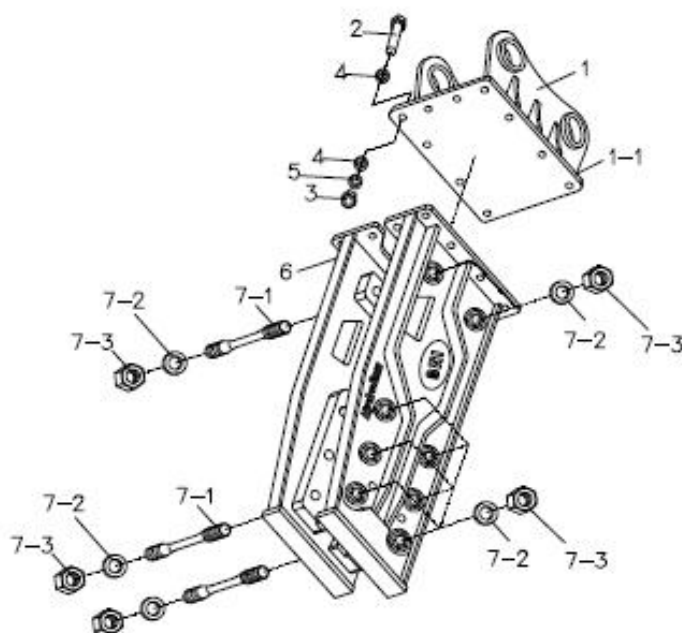
■ HK250 N2 GAS CHARGING KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	DA698000	N ₂ GAS CHARGING KIT	1	
1	13105900	N ₂ GAS 3-WAY VALVE ASSEMBLY	1	
2	16802000	N ₂ HOSE	1	
3	13105910	N ₂ COUPLING KIT	1	
4	13105930	N ₂ GAS CYLINDER	1	

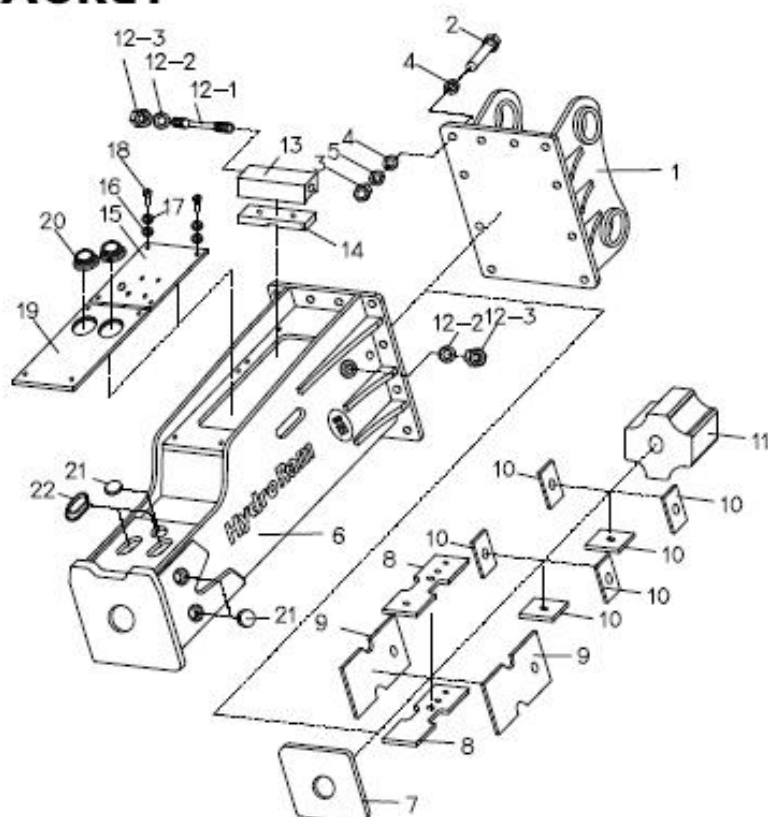
■ HK250 BRACKET PARTS LIST

HK250

TOP BRACKET



SILENCE BRACKET



■ HK250 BRACKET PARTS LIST

■ HK250 TOP BRACKET				■ HK250S SILENCE BRACKET			
No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	DB200000	TOP BRACKET ASSEMBLY	1	0	DB300000	SILENCE BRACKET ASSEMBLY	1
1	DC300870	TOP BRACKET	1	1	DC300870	TOP BRACKET	1
2	20009790	HEX HEAD BOLT	12	2	20009790	HEX HEAD BOLT	12
3	12001510	HEX HEAD NUT	12	3	12001510	HEX HEAD NUT	12
4	13000150	FLAT WASHER	24	4	13000150	FLAT WASHER	24
5	13001160	SPRING WASHER	12	5	13001160	SPRING WASHER	12
6	DB200050	SIDE PLATE BRACKET	1	6	DB300010	SILENCE BRACKET	1
7	DB693000	SET BOLT SET	8	7	DB300290	DOWN CUSHION	1
7-1	DB200080	SET BOLT	1	8	DB300050	LOW FRONT WEAR PLATE	2
7-2	DB200100	SET BOLT WASHER	2	9	DB300060	LOW SIDE WEAR PLATE	2
7-3	DB200110	SET BOLT NUT	2	10	DC300850	FRONT WEAR PLATE	6
*	DB695100	DECAL KIT(TOP)	*	11	DB300300	UPPER CUSHION	1
MEMO				12	D9693010	SET BOLT SET	1
				12-1	D9100330	SET BOLT	1
				12-2	DG200040	SET BOLT WASHER	2
				12-3	DG200030	SET BOLT NUT	2
				13	DB300040	MIDDLE BLOCK	1
				14	DD300090	MIDDLE BLOCK CUSHION	1
				15	DB300030	UPPER COVER	1
				16	13000080	FLAT WASHER	8
				17	13001080	SPRING WASHER	4
				18	20211760	HEX SOCKET HEAD BOLT	8
				19	DB300020	DOWN COVER	1
				20	13008030	HOSE PROTECT	2
				21	D9300070	RUBBER CAP-S	4
				22	D8300130	RUBBER CAP-F	4
				*	DB695200	DECAL KIT(SILENCE)	*
				MEMO			



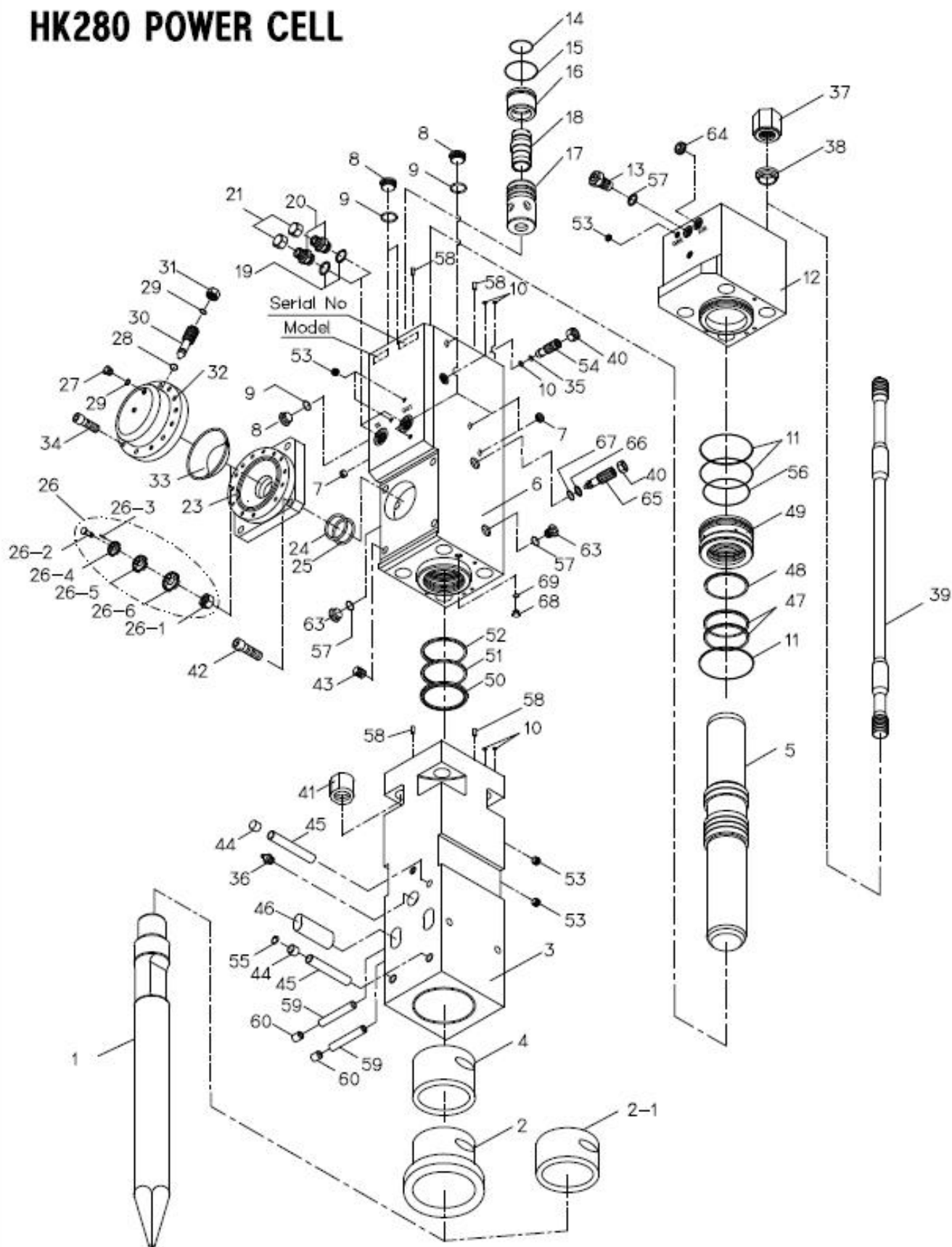
BHI **HydroRam** **Hydraulic Hammer**

HK280 **Parts List**



■ HK280 POWER CELL PARTS LIST

HK280 POWER CELL



■ HK280 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	DC000820	POWER CELL ASSEMBLY	1	21	13007170	UNION CAP(PF)	0
1	DC000050	TOOL(MOIL)	1	21-1	13007050	UNION CAP(JIC)	2
1-1	DC000080	TOOL(H-WEDGE)	0	21-2	13007460	UNION CAP(ORFS)	0
1-2	DC000060	TOOL(CONE)	0	22	DC000830	ACCUMULATOR ASSEMBLY	1
1-3	DC000090	TOOL(BLUNT)	0	23	DC000840	ACCUMULATOR BODY	1
1-4	DC000070	TOOL(V-WEDGE)	0	24	22409600	BACK UP RING	1
2	DC000160	TOOL HOLDER BUSHING(T)	1	25	22402540	O-RING	1
2-1	DC000480	TOOL HOLDER BUSHING(S)	1	26	DG692300	ACC. ORIFICE SET	1
2-2	DC001010	TOOL HOLDER BUSHING(T) (Oversized (+0.08~+0.1mm))	-	26-1	DA000440	LOCK NUT	1
2-3	DC001050	TOOL HOLDER BUSHING(S) (Oversized (+0.08~+0.1mm))	-	26-2	DG000450	ORIFICE(A)	1
3	DC000570	TOOL HOLDER	1	26-3	DG000490	HOLDER PIN	1
4	DC000180	ROUND BUSHING	1	26-4	DG000460	ORIFICE(B)	1
4-1	DC001210	ROUND BUSHING (Oversized (+0.08~+0.1mm))	-	26-5	DG000470	ORIFICE(C)	1
5	DC000190	PISTON	1	26-6	DG000480	ORIFICE(D)	1
6	DC000850	CYLINDER	1	27	DA000510	O-RING CAP	1
7	13006010	PT SOCKET PLUG	5	28	22401930	O-RING	1
8	DF000050	M36 SOCKET PLUG	4	29	22402040	O-RING	2
9	22402210	O-RING	4	30	DA000500	CHARGING VALVE	1
10	22402060	O-RING	5	31	DC000320	O-RING PLUG	1
11	22401660	O-RING	3	32	DC000350	ACCUMULATOR COVER	1
12	DC000600	HEAD CAP	1	33	DC000360	DIAPHRAGM	1
13	D7000200	GAS VALVE ASSEMBLY	1	34	20212100	HEX SOCKET HEAD BOLT	16
14	22401410	O-RING	1	35	22405650	BACK UP RING	1
15	22401440	O-RING	1	36	13007810	GREASE NIPPLE	2
16	DC000220	MAIN VALVE CAP	1	37	DC000760	TOP NUT	4
17	DC000230	MAIN VALVE CASE	1	38	DC000380	TOP NUT WASHER	4
18	DC000240	MAIN VALVE	1	39	DC000860	TENSION BOLT	4
19	22402260	O-RING	2	40	12002410	HEX HEAD NUT	2
20	13008890	O-RING ADAPTER(PF*PF)	0	41	DD000490	BOTTOM NUT	4
20-1	13009380	O-RING ADAPTER(PF*JIC)	2	42	20213620	HEX SOCKET HEAD BOLT	4
20-2	13009570	O-RING ADAPTER(PF*ORFS)	0	43	13102810	HELI COIL SPRING	4

■ HK280 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
44	13007340	RUBBER PLUG	3	
45	DC000420	STOP PIN	3	
46	DC000430	RETAINER PIN	2	
47	22300080	STEP SEAL	2	
48	22200090	GAS SEAL	1	
49	DC000440	CYLINDER BUSHING	1	
50	22002730	DUST SEAL	1	
51	22003980	U PACKING SEAL	1	
52	22000250	BUFFER SEAL	1	
53	13006030	PT SOCKET PLUG	5	
54	DC000660	ADJUSTER VALVE	1	
55	13003170	SNAP RING	2	
56	22401640	O-RING	1	
57	22402070	O-RING	3	
58	D9000050	PIN	4	
59	DC000450	STOP PIN	2	
60	13007320	RUBBER PLUG	2	
*61	16801770	SPRING HOSE(PF*PF)	0	
61-1	16804740	SPRING HOSE(JIC*JIC)	2	
61-2	16810930	SPRING HOSE(PF*ORFS)	0	
*62	13006590	HOSE PLUG(PF)	0	
62-1	13008430	HOSE PLUG(JIC)	2	
62-2	13008260	HOSE PLUG(ORFS)	0	
63	DA000400	PF SOCKET PLUG	2	
64	13006020	PT SOCKET PLUG	1	
65	DL000230	CYLINDER ADJUSTER	1	
66	22405610	BACK UP RING	1	
67	22402020	O-RING	1	
68	DH000380	PF SOCKET PLUG	1	
69	22402000	O-RING	1	
*	DC691000	HEAD CAP SET	*	
*	DC691110	CYLINDER SET	*	
*	DC691200	TOOL HOLDER SET	*	
*	DC691300	MAIN VALVE SET	*	
*	DC691410	TENSION BOLT SET	*	
*	DC000830	ACCUMULATOR ASSEMBLY	*	

■ HK280 SPARE SEAL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	DC691520	SPARE SEAL KIT	1	
1	22402210	O-RING	4	
2	22402060	O-RING	5	
3	22401660	O-RING	3	
4	22401410	O-RING	1	
5	22401440	O-RING	1	
6	22402260	O-RING	2	
7	22409600	BACK UP RING	1	
8	22402540	O-RING	1	
9	22401930	O-RING	1	
10	22402040	O-RING	2	
11	22405650	BACK UP RING	1	
12	22300080	STEP SEAL	2	
13	22200090	GAS SEAL	1	
14	22002730	DUST SEAL	1	
15	22003980	U PACKING SEAL	1	
16	22000250	BUFFER SEAL	1	
17	22401640	O-RING	1	
18	22402070	O-RING	3	
19	22405610	BACK UP RING	1	
20	22402020	O-RING	1	
21	22402000	O-RING	1	
MEMO				

■ HK280 TOOL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty			Remarks
			Side	Top	Silence	
0	-	TOOL KIT	DC691600	DC691700	DC691800	HK280
1	16502990	TOOL BOX	1	1	1	No.1
2	16500260	COMBI SPANNER	1	1	1	14mm
3	16502580	SINGLE SPANNER	1	1	1	50mm
4	16502510	SINGLE SPANNER	1	1	1	32mm
5	16502100	DOUBLE SPANNER	1	1	1	27X30mm
6	16501140	L WRENCH	1	1	1	5mm
7	16501190	L WRENCH	1	1	1	14mm
8	16501210	L WRENCH	1	1	1	19mm
9	16501170	L WRENCH	1	1	1	10mm
10	16503090	HANDLE RETAINER PIN	1	1	1	M12
11	16500770	HAMMER RING WRENCH	1	1	1	75m
12	16500800	HAMMER RING WRENCH	1	1	-	90mm
13	16500730	HAMMER RING WRENCH	-	1	1	55mm

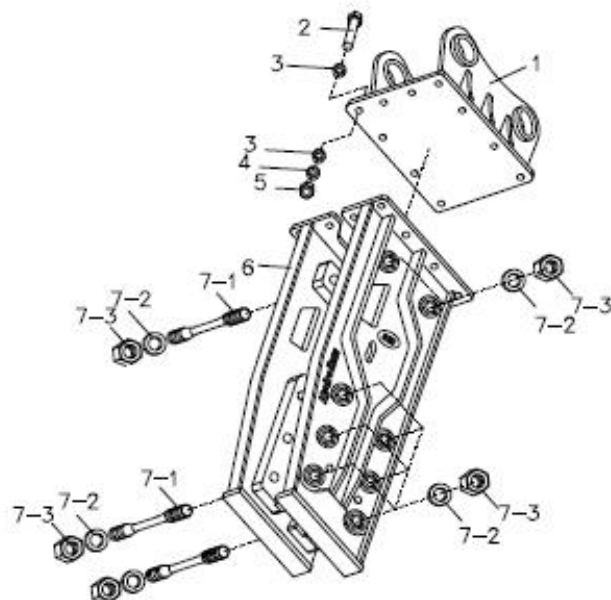
■ HK280 N2 GAS CHARGING KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	DA698000	N ₂ GAS CHARGING KIT	1	
1	13105900	N ₂ GAS 3-WAY VALVE ASSEMBLY	1	
2	16802000	N ₂ HOSE	1	
3	13105910	N ₂ COUPLING KIT	1	
4	13105930	N ₂ GAS CYLINDER	1	

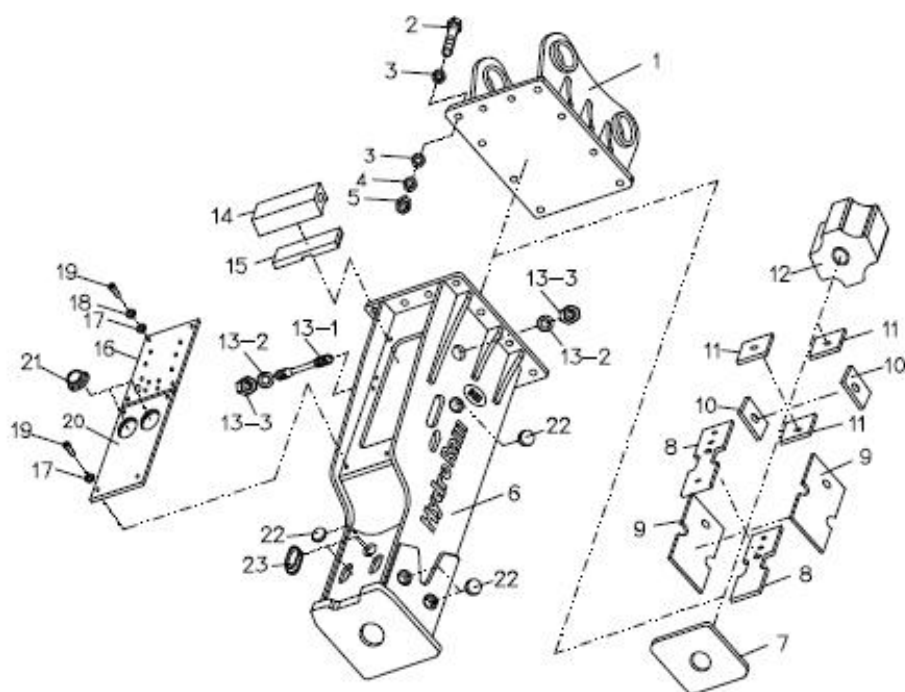
HK280 BRACKET PARTS LIST

HK280

TOP BRACKET



SILENCE BRACKET



■ HK280 BRACKET PARTS LIST

■ HK280 TOP BRACKET				■ HK280S SILENCE BRACKET			
No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	DC200050	TOP BRACKET ASSEMBLY	1	0	DC300690	SILENCE BRACKET ASSEMBLY	1
1	DC300870	TOP BRACKET	1	1	DC300870	TOP BRACKET	1
2	20009790	HEX HEAD BOLT	12	2	20009790	HEX HEAD BOLT	12
3	13000150	FLAT WASHER	24	3	13000150	FLAT WASHER	24
4	13001160	SPRING WASHER	12	4	13001160	SPRING WASHER	12
5	12001510	HEX HEAD NUT	12	5	12001510	HEX HEAD NUT	12
6	DC200060	SIDE PLATE BRACKET	1	6	DC300700	SILENCE BRACKET	1
7	DC693010	SET BOLT SET	8	7	DC300210	DOWN CUSHION	1
7-1	DC200100	SET BOLT	1	8	DC300830	LOW FRONT WEAR PLATE	2
7-2	DC100080	SET BOLT WASHER	2	9	DC300820	LOW SIDE WEAR PLATE	2
7-3	DC200110	SET BOLT NUT	2	10	DC300840	SIDE WEAR PLATE	4
-	DC695100	DECAL KIT(TOP)	1	11	DC300850	FRONT WEAR PLATE	3
MEMO				12	DL300140	UPPER CUSHION	1
				13	DC693010	SET BOLT SET	1
				13-1	DC200100	SET BOLT	1
				13-2	DC100080	SET BOLT WASHER	2
				13-3	DC200110	SET BOLT NUT	2
				14	DC300400	MIDDLE BLOCK	1
				15	DC300090	MIDDLE BLOCK CUSHION	1
				16	DC300950	UPPER COVER	1
				17	13000080	FLAT WASHER	8
				18	13001080	SPRING WASHER	4
				19	20211760	HEX SOCKET HEAD BOLT	8
				20	DC300910	DOWN COVER	1
				21	13008030	HOSE PROTECT	2
				22	D9300070	RUBBER CAP-S	6
				23	D8300130	RUBBER CAP-F	4
				*	DC695100	DECAL KIT(SILENCE)	*



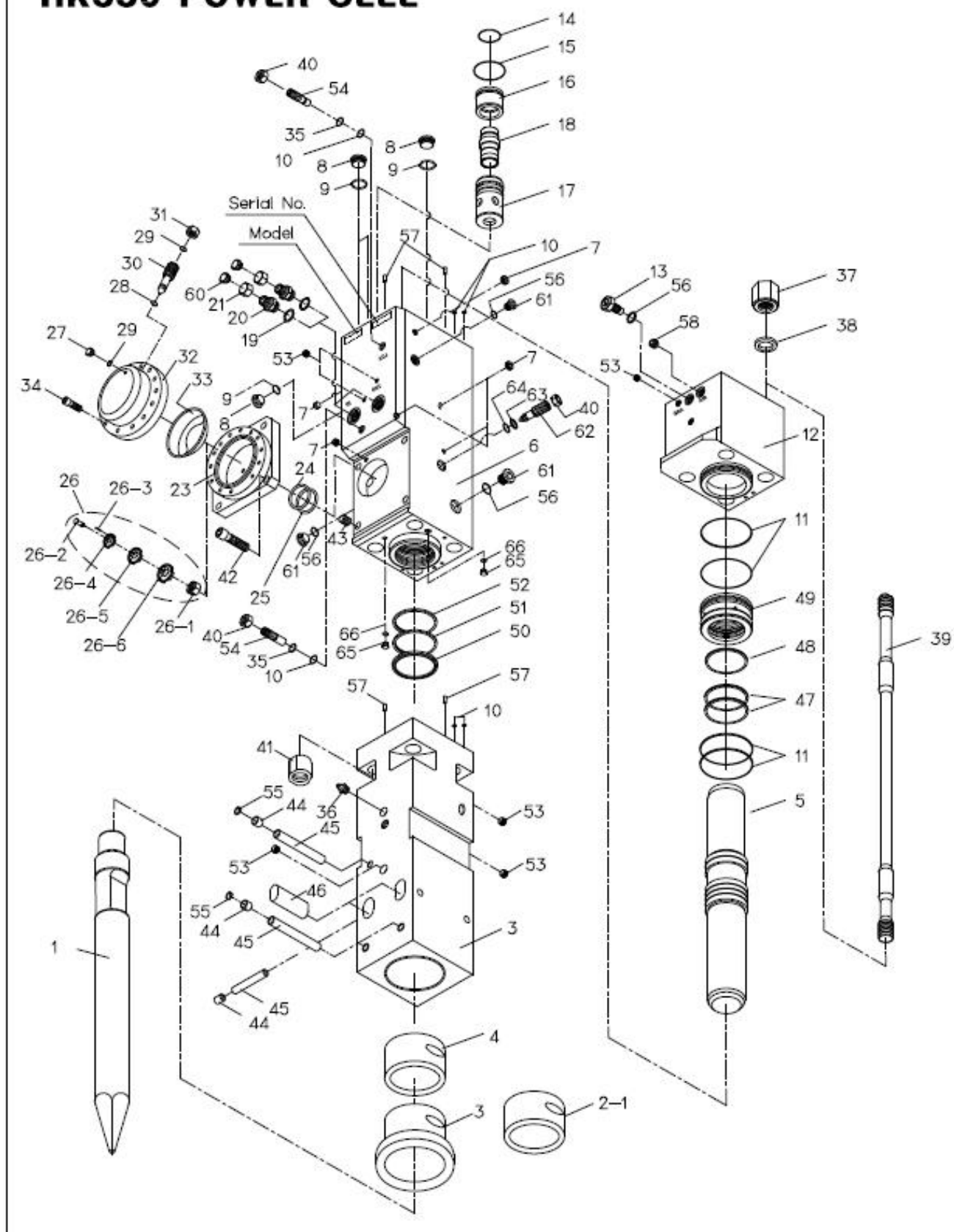
BHI **HydroRam** **Hydraulic Hammer**

HK330 **Parts List**



HK330 POWER CELL

HK330 POWER CELL



■ HK330 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	DD000000	POWER CELL ASSEMBLY	1	24	22409600	BACK UP RING	1
1	DD000050	TOOL(MOIL)	1	25	22402540	O-RING	1
1-1	DD000080	TOOL(H-WEDGE)	0	26	DG692300	ACC. ORIFICE SET	1
1-2	DD000060	TOOL(CONE)	0	26-1	DA000440	LOCK NUT	1
1-3	DD000070	TOOL(BLUNT)	0	26-2	DG000450	ORIFICE(A)	1
1-4	DD000090	TOOL(V-WEDGE)	0	26-3	DG000490	HOLDER PIN	1
2	DD000170	TOOL HOLDER BUSHING(T)	1	26-4	DG000460	ORIFICE(B)	1
2-1	DD001010	TOOL HOLDER BUSHING(T) (Oversized (+0.08~+0.1mm))	1	26-5	DG000470	ORIFICE(C)	1
2-2	DD000330	TOOL HOLDER BUSHING(S)	1	26-6	DG000480	ORIFICE(D)	1
2-3	DD001050	TOOL HOLDER BUSHING(S) (Oversized (+0.08~+0.1mm))	1	27	DA000510	O-RING CAP	1
3	DD000180	TOOL HOLDER	1	28	22401930	O-RING	1
4	DD000190	ROUND BUSHING	1	29	22402040	O-RING	2
4-1	DD001210	ROUND BUSHING (Oversized (+0.08~+0.1mm))	1	30	DA000500	CHARGING VALVE	1
5	DD000200	PISTON	1	31	DC000320	O-RING PLUG	1
6	DD000450	CYLINDER	1	32	DC000350	ACCUMULATOR COVER	1
7	13006010	PT SOCKET PLUG	5	33	DC000360	DIAPHRAGM	1
8	DF000050	M36 SOCKET PLUG	4	34	20212100	HEX SOCKET HEAD BOLT	16
9	22402210	O-RING	4	35	22405650	BACK UP RING	2
10	22402060	O-RING	7	36	13007810	GREASE NIPPLE	1
11	22401660	O-RING	4	37	DC000760	TOP NUT	4
12	DD000240	HEAD CAP	1	38	DD000480	TOP NUT WASHER	4
13	D7000200	GAS VALVE ASSEMBLY	1	39	DD000460	TENSION BOLT	4
14	22401410	O-RING	1	40	12002410	HEX HEAD NUT	3
15	22401430	O-RING	1	41	DC000770	BOTTOM NUT	4
16	DD000250	MAIN VALVE CAP	1	42	20213620	HEX SOCKET HEAD BOLT	4
17	DD000260	MAIN VALVE CASE	1	43	13102810	HELI COIL SPRING	4
18	DD000270	MAIN VALVE	1	44	13007340	RUBBER PLUG	5
19	22402260	O-RING	2	45	DC000420	STOP PIN	5
20	13008890	O-RING ADAPTER(PF*PF)	0	46	DC000430	RETAINER PIN	2
20-1	13009380	O-RING ADAPTER(JIC*JIC)	2	47	22300090	STEP SEAL	2
20-2	13009570	O-RING ADAPTER(PF*ORFS)	0	48	22200160	GAS SEAL	1
21	13007170	UNION CAP(PF)	0	49	DD000310	CYLINDER BUSHING	1
21-1	13007050	UNION CAP(JIC)	2	50	22002740	DUST SEAL	1
21-2	13007460	UNION CAP(ORFS)	0	51	22004000	U PACKING SEAL	1
22	DC000830	ACCUMULATOR ASSEMBLY	1	52	22000260	BUFFER SEAL	1
23	DC000840	ACCUMULATOR BODY	1	53	13006030	PT SOCKET PLUG	6

■ HK330 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
54	DF000590	ADJUSTER VALVE	2	
55	13003170	SNAP RING	3	
56	22402070	O-RING	4	
57	D9000050	PIN	4	
58	13006020	PT SOCKET PLUG	1	
*59	16801770	SPRING HOSE(PF*PF)	0	
59-1	16801740	SPRING HOSE(JIC*JIC)	2	
59-2	16811020	SPRING HOSE(ORFS*ORFS)	0	
*60	13006590	HOSE PLUG(PF)	0	
60-1	13008430	HOSE PLUG(JIC)	2	
60-2	13008260	HOSE PLUG(ORFS)	-	
61	DA000400	PF SOCKET PLUG	3	
62	DL000230	CYLINDER ADJUSTER	1	
63	22405610	BACK UP RING	1	
64	22402020	O-RING	1	
65	DH000380	PF SOCKET PLUG	2	
66	22402000	O-RING	2	
*	*	*	*	
*	DD691000	HEAD CAP SET	*	
*	DD691110	CYLINDER SET	*	
*	DD691200	TOOL HOLDER SET	*	
*	DD691300	MAIN VALVE SET	*	
*	DD691410	TENSION BOLT SET	*	
*	DC000830	ACCUMULATOR ASSEMBLY	*	
MEMO				

■ HK330 SPARE SEAL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	DD691520	SPARE SEAL KIT	1	
1	22402210	O-RING	4	
2	22402060	O-RING	7	
3	22401660	O-RING	4	
4	22401410	O-RING	1	
5	22401430	O-RING	1	
6	22402260	O-RING	2	
7	22409600	BACK UP RING	1	
8	22402540	O-RING	1	
9	22401930	O-RING	1	
10	22402040	O-RING	2	
11	22405650	BACK UP RING	2	
12	22300090	STEP SEAL	2	
13	22200160	GAS SEAL	1	
14	22002740	DUST SEAL	1	
15	22004000	U PACKING SEAL	1	
16	22000260	BUFFER SEAL	1	
17	22402070	O-RING	4	
18	22405610	BACK UP RING	1	
19	22402020	O-RING	1	
20	22402000	O-RING	2	
MEMO				

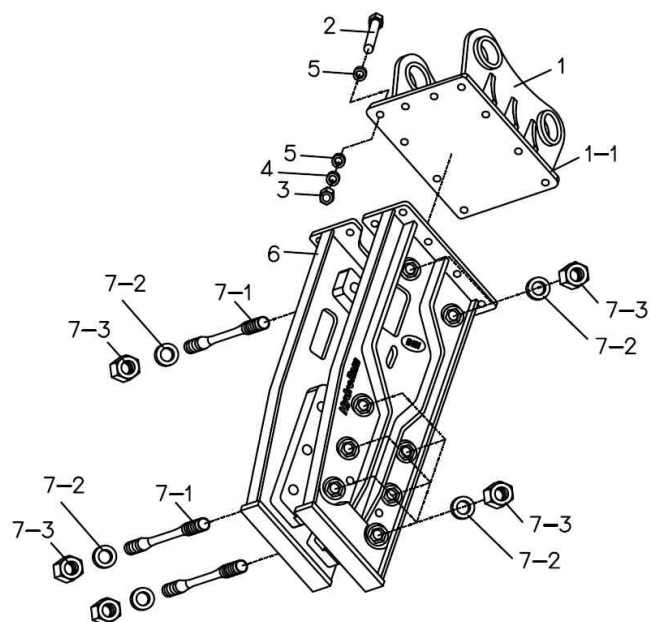
■ HK330 TOOL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty			Remarks
			Side	Top	Silence	
0	-	TOOL KIT	DD691600	DD691700	DD691800	HK330
1	16502990	TOOL BOX	1	1	1	No.1
2	16500260	COMBI SPANNER	1	1	1	14mm
3	16502580	SINGLE SPANNER	1	1	1	50mm
4	16500370	SINGLE SPANNER	1	1	1	32mm
5	16501140	L WRENCH	1	1	1	5mm
6	16501190	L WRENCH	1	1	1	14mm
7	16501210	L WRENCH	1	1	1	19mm
8	16501170	L WRENCH	1	1	1	10mm
9	16503090	HANDLE RETAINER PIN	1	1	1	M12
10	16500770	HAMMER RING WRENCH	1	1	1	75mm
11	16500800	HAMMER RING WRENCH	1	1	-	90mm
12	16500730	HAMMER RING WRENCH	-	1	1	55mm

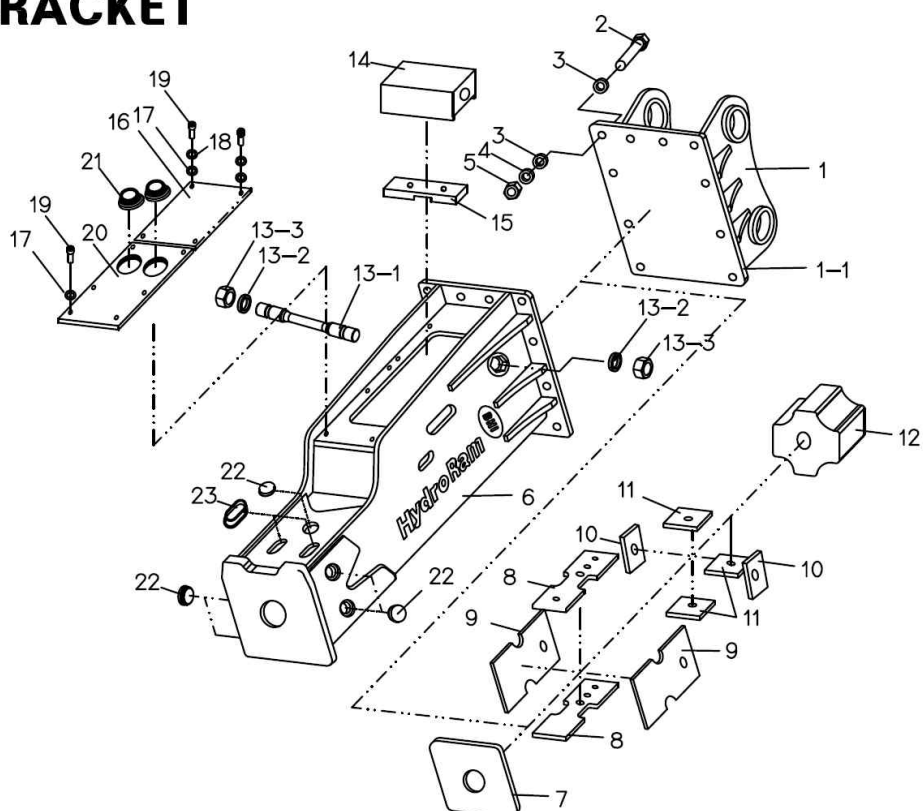
■ HK330 N2 GAS CHARGING KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	DA698000	N ₂ GAS CHARGING KIT	1	
1	13105900	N ₂ GAS 3-WAY VALVE ASSEMBLY	1	
2	16802000	N ₂ HOSE	1	
3	13105910	N ₂ COUPLING KIT	1	
4	13105930	N ₂ GAS CYLINDER	1	

TOP BRACKET



SILENCE BRACKET



■ HK330 BRACKET PARTS LIST

■ HK330 TOP BRACKET				■ HK330S SILENCE BRACKET			
No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	DD200000	TOP BRACKET ASSEMBLY	1	0	DD300000	SILENCE BRACKET ASSEMBLY	1
1	DC300870	TOP BRACKET	1	1	DC300870	TOP BRACKET	1
2	20009790	HEX HEAD BOLT	12	2	20009790	HEX HEAD BOLT	12
3	12001510	HEX HEAD NUT	12	3	13000150	FLAT WASHER	24
4	13000150	FLAT WASHER	24	4	13001160	SPRING WASHER	12
5	13001160	SPRING WASHER	12	5	12001510	HEX HEAD NUT	12
6	DD200050	TOP BRACKET	1	6	DD300010	SILENCE BRACKET	1
7	DC693010	SET BOLT SET	8	7	DD300040	DOWN CUSHION	1
7-1	DC200100	SET BOLT	1	8	DD300060	LOW FRONT WEAR PLATE	2
7-2	DC100080	SET BOLT WASHER	2	9	DD300050	LOW SIDE WEAR PLATE	2
7-3	DC200110	SET BOLT NUT	2	10	DC300840	SIDE WEAR PLATE	2
*	DD695100	DECAL KIT (TOP)	*	11	DC300850	FRONT WEAR PLATE	3
MEMO				12	DL300140	UPPER CUSHION	1
				13	DD693010	SET BOLT SET	1
				13-1	DE200040	SET BOLT	1
				13-2	DD300100	SET BOLT WASHER(T15)	2
				13-3	DE200050	SET BOLT NUT	2
				14	DD300070	MIDDLE BLOCK	1
				15	DD300090	MIDDLE BLOCK CUSHION	1
				16	DD300020	UPPER COVER	1
				17	13000080	FLAT WASHER	10
				18	13001080	SPRING WASHER	4
				19	20211760	HEX SOCKET HEAD BOLT	10
				20	DD300030	DOWN COVER	1
				21	13008030	HOSE PROTECT	2
				22	D9300070	RUBBER CAP-S	5
				23	D8300130	RUBBER CAP-F	4
				*	DD695200	DECAL KIT (SILENCE)	*
				MEMO			



BHI

HydroRam

Hydraulic Hammer

HK380

Parts List



This diagram illustrates the exploded view of a three-phase power cell assembly. The components are numbered as follows:

- 1**: Main assembly body.
- 2**: End cap.
- 2-1**: End cap gasket.
- 3**: Internal housing.
- 4**: Internal housing gasket.
- 5**: Internal housing gasket.
- 6**: Main assembly body.
- 7**: Internal housing gasket.
- 8**: Internal housing gasket.
- 9**: Internal housing gasket.
- 10**: Internal housing gasket.
- 11**: Internal housing gasket.
- 12**: Internal housing gasket.
- 13**: Internal housing gasket.
- 14**: Internal housing gasket.
- 15**: Internal housing gasket.
- 16**: Internal housing gasket.
- 17**: Internal housing gasket.
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- 22**: Internal housing gasket.
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- 24**: Internal housing gasket.
- 25**: Internal housing gasket.
- 26**: Internal housing gasket.
- 26-1**: Internal housing gasket.
- 26-2**: Internal housing gasket.
- 26-3**: Internal housing gasket.
- 26-4**: Internal housing gasket.
- 26-5**: Internal housing gasket.
- 26-6**: Internal housing gasket.
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- 58**: Internal housing gasket.
- 59**: Internal housing gasket.
- 60**: Internal housing gasket.
- 61**: Internal housing gasket.
- 62**: Internal housing gasket.
- 63**: Internal housing gasket.
- 64**: Internal housing gasket.
- 65**: Internal housing gasket.
- 66**: Internal housing gasket.
- 67**: Internal housing gasket.

The diagram also includes labels for **Serial No.** and **Model**.

■ HK380 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	DE000000	POWER CELL ASSEMBLY	1	21	13007170	UNION CAP(PF)	0
1	DE000120	TOOL(MOIL)	1	21-1	13007050	UNION CAP(JIC)	2
1-1	DE000100	TOOL(H-WEDGE)	0	21-2	13007460	UNION CAP(ORFS)	0
1-2	DE000140	TOOL(CONE)	0	*22	DE000300	ACCUMULATOR ASSEMBLY	1
1-3	DE000130	TOOL(BLUNT)	0	23	DE000310	ACCUMULATOR BODY	1
1-4	DE000110	TOOL(V-WEDGE)	0	24	22409600	BACK UP RING	1
2	DE000050	TOOL HOLDER BUSHING(T)	1	25	22402540	O-RING	1
2-1	DE000150	TOOL HOLDER BUSHING(S)	1	26	DE692300	ACC. ORIFICE SET	1
2-2	DE001010	TOOL HOLDER BUSHING(T) (Oversized (+0.08~+0.1mm))	-	26-1	DA000440	LOCK NUT	1
2-3	DE001050	TOOL HOLDER BUSHING(S) (Oversized (+0.08~+0.1mm))	-	26-2	DE000350	ORIFICE(A)	1
3	DE000020	TOOL HOLDER	1	26-3	DF000690	ORIFICE(B)	1
4	DE000040	ROUND BUSHING	1	26-4	DF000700	ORIFICE(C)	1
4-1	DE001210	ROUND BUSHING (Oversized (+0.08~+0.1mm))	-	26-5	DF000710	ORIFICE(D)	1
5	DE000090	PISTON	1	26-6	DE000360	HOLDER PIN	1
6	DE000010	CYLINDER	1	27	DA000510	O-RING CAP	1
7	13006010	PT SOCKET PLUG	6	28	22401930	O-RING	1
8	DF000050	M36 SOCKET PLUG	3	29	22402040	O-RING	2
9	22402210	O-RING	3	30	DA000500	CHARGING VALVE	1
10	22402060	O-RING	7	31	DC000320	O-RING PLUG	1
11	22401670	O-RING	3	32	DE000330	ACCUMULATOR COVER	1
12	DE000030	HEAD CAP	1	33	DE000320	DIAPHRAGM	1
13	D7000200	GAS VALVE ASSEMBLY	1	34	20215040	HEX SOCKET HEAD BOLT	12
14	22401410	O-RING	1	35	22405650	BACK UP RING	2
15	22401440	O-RING	1	36	13007810	GREASE NIPPLE	1
16	DC000220	MAIN VALVE CAP	1	37	DE000230	TOP NUT	4
17	DC000230	MAIN VALVE CASE	1	38	DE000240	TOP NUT WASHER	4
18	DC000240	MAIN VALVE	1	39	DE000200	TENSION BOLT	4
19	22402260	O-RING	2	40	12002410	HEX HEAD NUT	2
20	13008890	O-RING ADAPTER(PF*PF)	0	41	DE000220	BOTTOM NUT	4
20-1	13009380	O-RING ADAPTER(PF*JIC)	2	42	20213620	HEX SOCKET HEAD BOLT	4
20-2	13009570	O-RING ADAPTER(PF*ORFS)	0	43	13102810	HELI COIL SPRING	4

■ HK380 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
44	13007340	RUBBER PLUG	3	-	DE691000	HEAD CAP SET	-
45	DE000070	STOP PIN	3	-	DE691100	CYLINDER SET	-
46	DE000060	RETAINER PIN	2	-	DE691200	TOOL HOLDER SET	-
47	22300140	STEP SEAL	2	-	DC691300	MAIN VALVE SET	-
48	22200220	GAS SEAL	1	-	DE691410	TENSION BOLT SET	-
49	DE000210	CYLINDER BUSHING	1	-	DE000300	ACCUMULATOR ASSEMBLY	-
50	22002750	DUST SEAL	1	MEMO			
51	22004010	U PACKING SEAL	1				
52	22000310	BUFFER SEAL	1				
53	13006030	PT SOCKET PLUG	5				
54	DF000590	ADJUSTER VALVE	2				
55	13003170	SNAP RING	3				
56	22402070	O-RING	1				
57	D9000050	PIN	4				
58	DC000450	STOP PIN	2				
59	13007320	RUBBER PLUG	2				
60	D4000280	M18 SOCKET PLUG	1				
*61	16801770	SPRING HOSE(PF*PF)	0				
61-1	16804740	SPRING HOSE(JIC*JIC)	2				
61-2	16811020	SPRING HOSE(ORFS*ORFS)	0				
*62	13006590	HOSE PLUG(PF)	0				
62-1	13008430	HOSE PLUG(JIC)	2				
62-2	13008260	HOSE PLUG(ORFS)	0				
63	DE000290	BUFFER RING SEAL	1				
64	13006020	PT SOCKET PLUG	1				
66	22402000	O-RING	2				
67	DE000340	PF SOCKET PLUG	2				
MEMO							

■ HK380 SPARE SEAL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	DE691520	SPARE SEAL KIT	1	
1	22402210	O-RING	3	
2	22402060	O-RING	7	
3	22401670	O-RING	3	
4	22401410	O-RING	1	
5	22401440	O-RING	1	
6	22402260	O-RING	2	
7	22409600	BACK UP RING	1	
8	22402540	O-RING	1	
9	22401930	O-RING	1	
10	22402040	O-RING	2	
11	22405650	BACK UP RING	2	
12	22300140	STEP SEAL	2	
13	22200220	GAS SEAL	1	
14	22002750	DUST SEAL	1	
15	22004010	U PACKING SEAL	1	
16	22000310	BUFFER SEAL	1	
17	22402070	O-RING	1	
18	DE000290	BUFFER RING SEAL	1	
19	22402000	O-RING	2	
MEMO				

■ HK380 TOOL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty			Remarks
			Side	Top	Silence	
0	-	TOOL KIT	DE691600	DE691700	DE691800	HK380
1	16502990	TOOL BOX	1	1	1	No.1
2	16500260	COMBI SPANNER	1	1	1	14mm
3	16502580	SINGLE SPANNER	1	1	1	50mm
4	16502510	SINGLE SPANNER	1	1	1	32mm
5	16502100	DOUBLE SPANNER	1	1	1	27X30mm
6	16501140	L WRENCH	1	1	1	5mm
7	16501170	L WRENCH	1	1	1	10mm
8	16501190	L WRENCH	1	1	1	14mm
9	16501200	L WRENCH	1	1	1	17mm
10	16501210	L WRENCH	1	1	1	19mm
11	16503090	HANDLE RETAINER PIN	1	1	1	M12
12	16500780	HAMMER RING WRENCH	1	1	1	80mm
13	16500730	HAMMER RING WRENCH	-	1	1	55mm

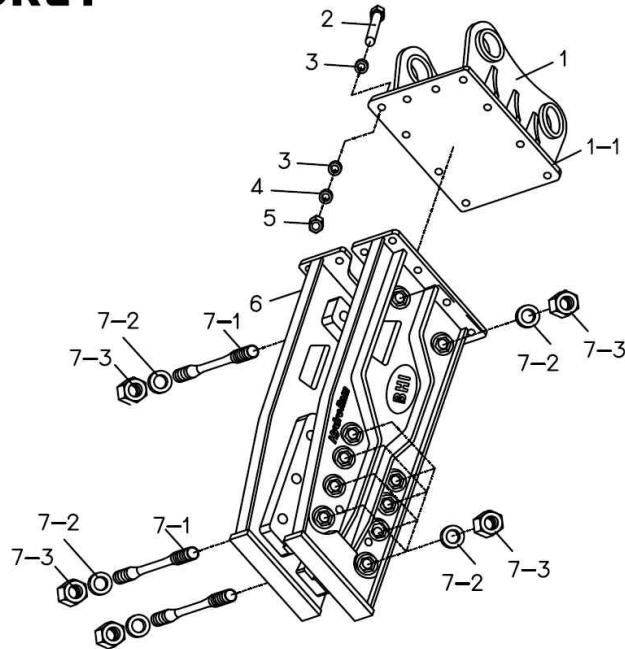
■ HK380 N2 GAS CHARGING KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	DA698000	N ₂ GAS CHARGING KIT	1	
1	13105900	N ₂ GAS 3-WAY VALVE ASSEMBLY	1	
2	16802000	N ₂ HOSE	1	
3	13105910	N ₂ COUPLING KIT	1	
4	13105930	N ₂ GAS CYLINDER	1	

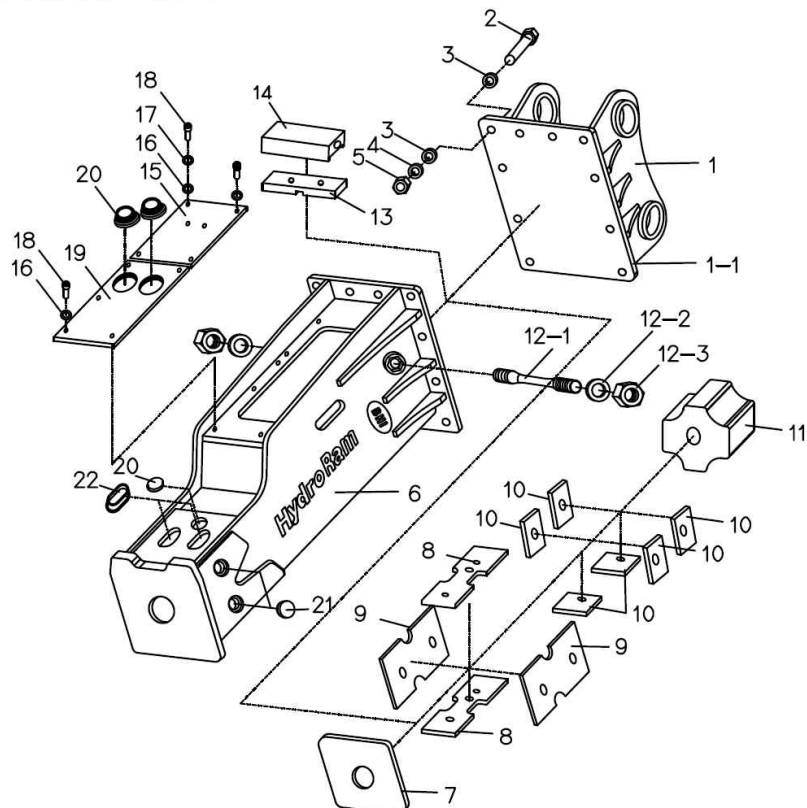
HK380 BRACKET PARTS LIST

HK380

TOP BRACKET



SILENCE BRACKET



■ HK380 BRACKET PARTS LIST

■ HK380 TOP BRACKET				■ HK380S SILENCE BRACKET			
No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	DE200000	TOP BRACKET ASSEMBLY	1	0	DE300000	SILENCE BRACKET ASSEMBLY	1
1	DE200080	TOP BRACKET	1	1	DE200080	TOP BRACKET	1
2	20009790	HEX HEAD BOLT	12	2	20009790	HEX HEAD BOLT	12
3	13000150	FLAT WASHER	24	3	13000150	FLAT WASHER	24
4	13001160	SPRING WASHER	12	4	13001160	SPRING WASHER	12
5	12001510	HEX HEAD NUT	12	5	12001510	HEX HEAD NUT	24
6	DE200010	SIDE PLATE BRACKET	1	6	DE300010	SILENCE BRACKET	1
7	DE693000	SET BOLT SET	10	7	DE300060	DOWN CUSHION	1
7-1	DE200040	SET BOLT	10	8	DE300020	LOW FRONT WEAR PLATE	2
7-2	DE200060	SET BOLT WASHER	20	9	DE300030	LOW SIDE WEAR PLATE	2
7-3	DE200050	SET BOLT NUT	20	10	DC300850	FRONT WEAR PLATE	6
*	DE695100	DECAL KIT(TOP)	*	11	DL300140	UPPER CUSHION	1
MEMO				12	DC693010	SET BOLT SET	1
				12-1	DC200100	SET BOLT	1
				12-2	DC100080	SET BOLT WASHER	2
				12-3	DC200110	SET BOLT NUT	2
				13	DE300130	MIDDLE BLOCK CUSHION	1
				14	DE300120	MIDDLE BLOCK	1
				15	DE300050	UPPER COVER	1
				16	13000100	FLAT WASHER	10
				17	13001100	SPRING WASHER	4
				18	20212470	HEX SOCKET HEAD BOLT	10
				19	DE300040	DOWN COVER	1
				20	13008030	HOSE PROTECT	2
				21	D9300070	RUBBER CAP-S	5
				22	DA300140	RUBBER CAP-F	4
				*	DE695200	DECAL KIT(SILENCE)	-



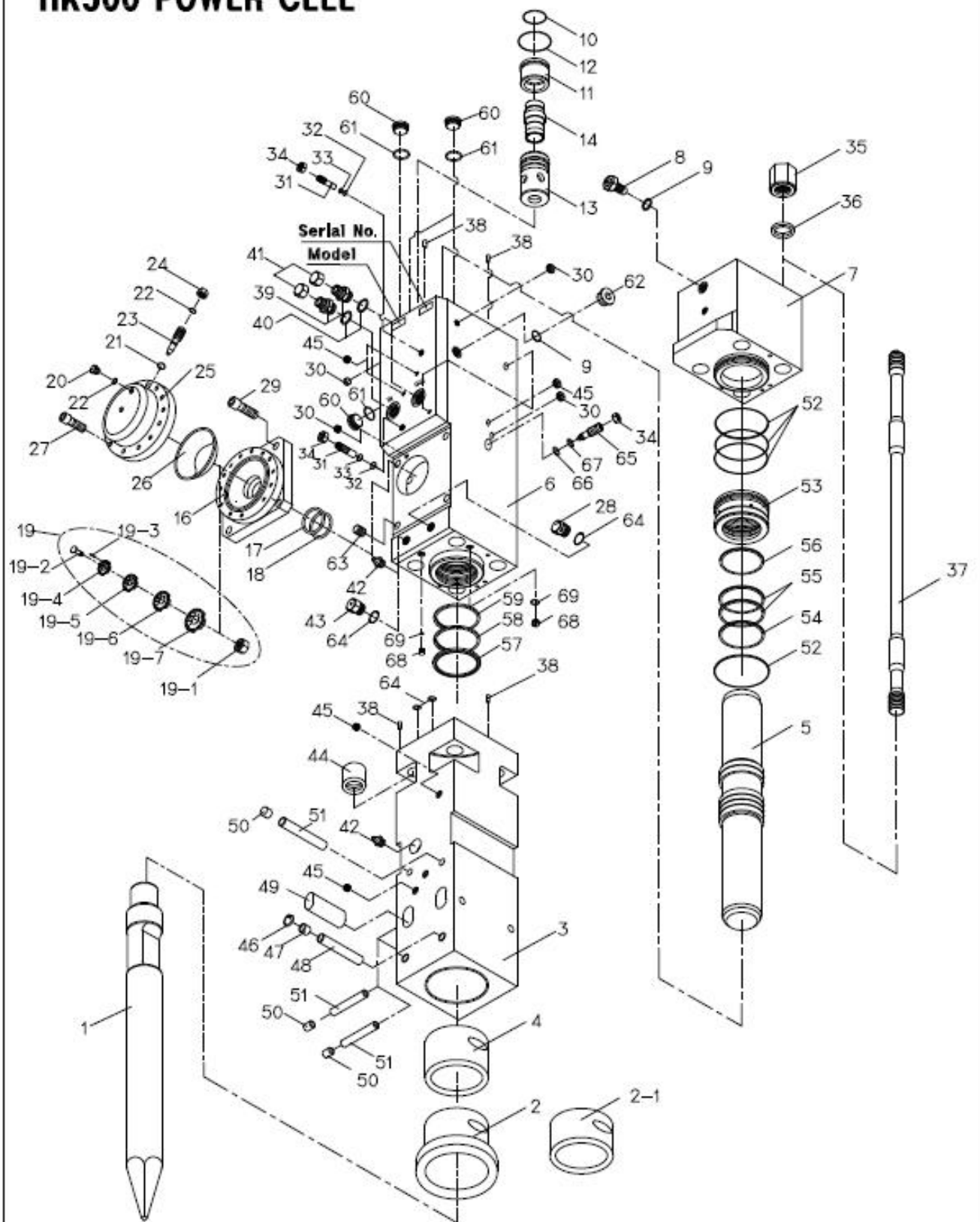
BHI Hydro**Ram** Hydraulic Hammer

HK500 Parts List



■ HK500 POWER CELL PARTS LIST

HK500 POWER CELL



■ HK500 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	No.	Part No.	Part Name	Q'ty
0	DF000000	POWER CELL ASSEMBLY	1	19-6	DF000710	ORIFICE(D)	1
1	DF000060	TOOL (MOIL)	1	19-7	DF000720	ORIFICE(E)	1
1-1	DF000070	TOOL (H-WEDGE)	0	20	DA000510	O-RING CAP	1
1-2	DF000100	TOOL (BLUNT)	0	21	22401930	O-RING	1
1-3	DF000090	TOOL (CONE)	0	22	22402040	O-RING	2
1-4	DF000080	TOOL (V-WEDGE)	0	23	DA000500	CHARGING VALVE	1
2	DF000210	TOOL HOLDER BUSHING(T)	1	24	DC000320	O-RING PLUG	1
2-1	DF001010	TOOL HOLDER BUSHING(T) (Oversized (+0.08~+0.1))	-	25	DF000650	ACCUMULATOR COVER	1
2-2	DF000400	TOOL HOLDER BUSHING(S)	0	26	DF000740	DIAPHRAGM	1
2-3	DF001050	TOOL HOLDER BUSHING(S) (Oversized (+0.08~+0.1))	-	27	20215070	HEX HEAD BOLT	16
3	DF000220	TOOL HOLDER	1	28	DF000800	NON RETURN VALVE	1
4	DF000230	ROUND BUSHING	1	29	20215090	HEX SOCKET HEAD BOLT	4
4-1	DF001210	ROUND BUSHING (Oversized (+0.08~+0.1))	-	30	13006010	PT SOCKET PLUG	6
5	DF000240	PISTON	1	31	DF000590	ADJUSTER VALVE	2
6	DF000640	CYLINDER	1	32	22402060	O-RING	2
7	DF000420	HEAD CAP	1	33	22405650	BACK UP RING	2
8	D7000200	GAS VALVE ASSEMBLY	1	34	12002410	HEX HEAD NUT	2
9	22402070	O-RING	2	35	DF000780	TOP NUT	4
10	22401410	O-RING	1	36	DF000770	TOP NUT WASHER	4
11	DF000570	MAIN VALVE CAP	1	37	DF000760	TENSION BOLT	4
12	22401440	O-RING	1	38	D9000050	PIN	4
13	DF000580	MAIN VALVE CASE	1	39	13008890	O-RING ADAPTER(PF*PF)	0
14	DF000560	MAIN VALVE	1	39-1	13009380	O-RING ADAPTER(JIC*JIC)	2
15	DF000670	ACCUMULATOR ASSEMBLY	1	39-2	13009570	O-RING ADAPTER(ORFS*ORFS)	0
16	DF000660	ACCUMULATOR BODY	1	40	22402260	O-RING	2
17	22409610	BACK UP RING	1	41	13007170	UNION CAP(PF)	0
18	22402550	O-RING	1	41-1	13007050	UNION CAP(JIC)	2
19	DF692300	ACC. ORIFICE SET	1	41-2	13007460	UNION CAP(ORFS)	0
19-1	DA000440	LOCK NUT	1	42	13007810	GREASE NIPPLE	1
19-2	DF000680	ORIFICE(A)	1	43	DF300490	PF CONNECTION PLUG	1
19-3	DF000730	HOLDER PIN	1	44	DF000750	BOTTOM NUT	4
19-4	DF000690	ORIFICE(B)	1	45	13006030	PT SOCKET PLUG	5
19-5	DF000700	ORIFICE(C)	1	46	13003170	SNAP RING	2

■ HK500 POWER CELL PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
47	13007340	RUBBER PLUG	2	
48	DF000330	STOP PIN(A)	2	
49	DF000340	RETAINER PIN	2	
50	13007350	RUBBER PLUG	4	
51	DF000360	STOP PIN(B)	4	
52	22401690	O-RING	4	
53	DF000370	CYLINDER BUSHING	1	
54	DF000390	BUFFER RING SEAL	1	
55	22300100	STEP SEAL	2	
56	22200110	GAS SEAL	1	
57	22002760	DUST SEAL	1	
58	22004020	U PACKING SEAL	1	
59	22000270	BUFFER SEAL	1	
60	DF000050	M36 SOCKET PLUG	4	
61	22402210	O-RING	4	
62	DA000400	PF SOCKET PLUG	1	
63	13103310	HELI COIL SPRING	4	
64	22402110	O-RING	4	
65	DL000230	CYLINDER ADJUSTER	1	
66	22402020	O-RING	1	
67	22405610	BACK UP RING	1	
68	DE000340	PF SOCKET PLUG	2	
69	22402000	O-RING	2	
*70	16801790	SPRING HOSE(F*PF)	0	
70-1	16804760	SPRING HOSE(JIC*JIC)	2	
70-2	16811030	SPRING HOSE(ORFS*ORFS)	0	
*71	13006590	HOSE PLUG(PF)	0	
71-1	13008430	HOSE PLUG(JIC)	2	
71-2	13008260	HOSE PLUG(ORFS)	0	
*	DF691000	HEAD CAP SET	*	
*	DF691110	CYLINDER SET	*	
*	DF691200	TOOL HOLDER SET	*	
*	DF691310	MAIN VALVE SET	*	
*	DF691420	TENSION BOLT SET	*	
*	DF000670	ACCUMULATOR ASSEMBLY	*	

■ HK500 SPARE SEAL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	DF691520	SPARE SEAL KIT	1	
1	22402070	O-RING	2	
2	22401410	O-RING	1	
3	22401440	O-RING	1	
4	22409610	BACK UP RING	1	
5	22402550	O-RING	1	
6	22401930	O-RING	1	
7	22402040	O-RING	2	
8	22402060	O-RING	2	
9	22405650	BACK UP RING	3	
10	22402260	O-RING	2	
11	22401690	O-RING	4	
12	DF000390	BUFFER RING SEAL	1	
13	22300100	STEP SEAL	2	
14	22200110	GAS SEAL	1	
15	22002760	DUST SEAL	1	
16	22004020	U PACKING SEAL	1	
17	22000270	BUFFER SEAL	1	
18	22402210	O-RING	4	
19	22402110	O-RING	4	
20	22402020	O-RING	1	
21	22405610	BACK UP RING	1	
22	22402000	O-RING	2	
MEMO				

■ HK500 TOOL KIT PARTS LIST

No.	Part No.	Part Name	Q'ty			Remarks
			Side	Top	Silence	
0	-	TOOL KIT	DF691600	DF691700	DF691800	HK500
1	16502990	TOOL BOX	1	1	1	No. 1
2	16500260	COMBI SPANNER	1	1	1	14mm
3	16502510	SINGNE SPANNER	1	1	1	32mm
4	16502580	SINGLE SPANNER	1	1	1	50mm
5	16502100	DOUBLE SPANNER	1	1	1	27x30mm
6	16501140	L WRENCH	1	1	1	5mm
7	16501180	L WRENCH	1	1	1	12mm
8	16501190	L WRENCH	1	1	1	14mm
9	16501210	L WRENCH	1	1	1	19mm
10	16501230	L WRENCH	1	1	1	24mm(OPTION)
11	16500780	HAMMER RING WRENCH	1	1	1	80mm
12	16503090	HANDLE RETAINER PIN	1	1	1	M12
13	16500800	HAMMER RING WRENCH	1	1	-	90mm
14	16500730	HAMMER RING WRENCH	-	1	1	55mm

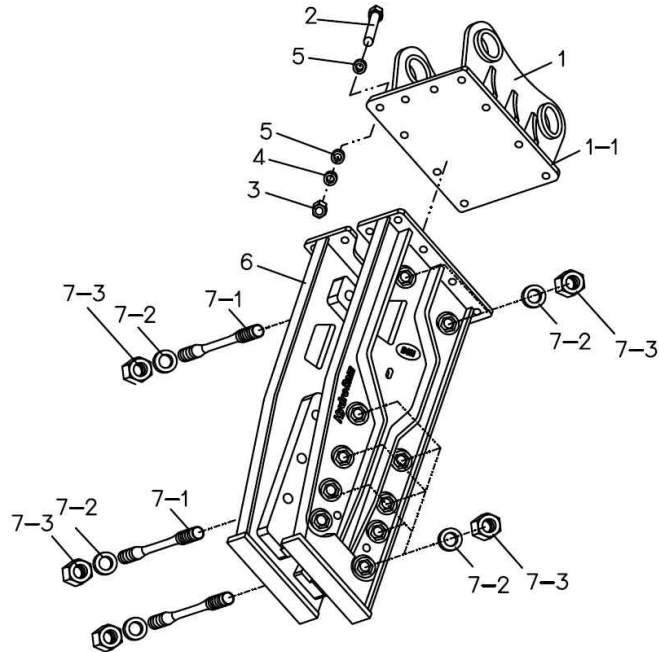
■ HK500 N2 GAS CHARGING KIT PARTS LIST

No.	Part No.	Part Name	Q'ty	MEMO
0	DA698000	N ₂ GAS CHARGING KIT	1	
1	13105900	N ₂ GAS 3-WAY VALVE ASSEMBLY	1	
2	16802000	N ₂ HOSE	1	
3	13105910	N ₂ COUPLING KIT	1	
4	13105920	N ₂ GAS CYLINDER	1	

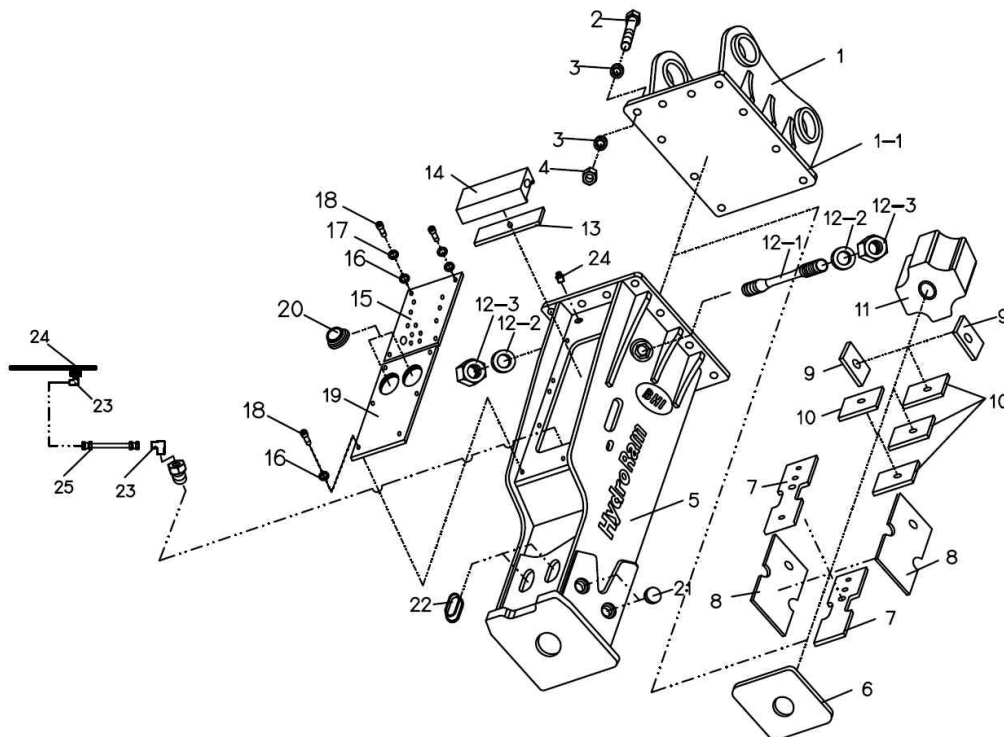
HK500 BRACKET PARTS LIST

HK500

TOP BRACKET



SILENCE BRACKET(2)



■ HK500 BRACKET PARTS LIST

■ HK500 TOP BRACKET				■ HK500S SILENCE BRACKET			
NO.	Part No.	Part Name	Q'ty	No	Part No.	Part Name	Q'ty
0	DF200000	TOP BRACKET ASSEMBLY	1	0	DF300000	SILENCE BRACKET ASSEMBLY	1
1	DF300510	TOP BRACKET	1	1	DF300510	TOP BRACKET	1
2	20009810	HEX HEAD BOLT	12	2	20009810	HEX HEAD BOLT	12
3	12001510	HEX HEAD NUT	12	3	13000150	FLAT WASHER	24
4	13001160	SPRING WASHER	12	4	12006460	NYLON NUT	12
5	13000150	FLAT WASHER	24	5	DF300010	SILENCE BRACKET	1
6	DF200130	SIDE PLATE BRACKET	1	6	DF300480	DOWN CUSHION	1
7	DF693010	SET BOLT SET	10	7	DF300080	LOW FRONT WEAR PLATE	2
7-1	DF200610	SET BOLT	1	8	DF300070	LOW SIDE WEAR PLATE	2
7-2	DC100080	SET BOLT WASHER	2	9	DF300050	SIDE WEAR PLATE	2
7-3	DC200110	SET BOLT NUT	2	10	DF300060	FRONT WEAR PLATE	4
-	DF695100	DECAL KIT(SILENCE)	1	11	DF300430	UPPER CUSHION	1
MEMO				12	DF693010	SET BOLT SET	1
				12-1	DF200610	SET BOLT	1
				12-2	DF100080	SET BOLT WASHER	2
				12-3	DC200110	SET BOLT NUT	2
				13	DF300600	MIDDLE BLOCK CUSHION	1
				14	DF300560	MIDDLE BLOCK	1
				15	DF300130	UPPER COVER	1
				16	13000100	FLAT WASHER	10
				17	13001100	SPRING WASHER	4
				18	20212470	HEX SOCKET HEAD BOLT	10
				19	DF300090	DOWN COVER	1
				20	13008030	HOSE PROTECT	2
				21	D9300070	RUBBER CAP-S	4
				22	DA300140	RUBBER CAP-F	4
				23	13009200	ELBOW ADAPTER	2
				24	13007810	GREASE NIPPLE	1
				25	DF300140	HOSE	1
				-	DF695200	DECAL KIT(SILENCE)	1