



ISO9001 . ISO14001 . BS0HSAS18001

EDDIE Hydraulic Breaker

Operation & Service Manual Parts Book

YANTAI EDDIE PRECISION MACHINERY CO.,LTD

We appreciate your purchasing EDDIE series of hydraulic breakers.

Please read and fully understand this manual before installing, repairing or operating this hydraulic breaker.

The contents of this manual may be subject to change without notice.

Our company does not guarantee any information of this manual, including, but not limited to, implied warranties of commercial activities for a specific purpose, or applicability.

Our company is not liable for the incidental or consequential damage caused by the error in this manual, or, due to the provision, operation or use of this manual.

Version Number: 202509

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Specification

■ Technical Specifications

Table 1

	Model	EDDIE35	EDDIE40	EDDIE45	EDDIE53	EDDIE60	EDDIE68	EDDIE68A
Body Weight	kg lbs	45 99	53 117	71 156	89 196	122 269	156 343	165 363
Total Weight (Side/Top/Box)	kg	72/ 72/ 107	82/ 83/ 123	117/ 122/ 155	147/ 148/ 189	214/ 251/ 273	266/ 303/ 328	275/ 312/ 337
Length (Side/Top/Box)	mm	845/ 1007/ 1114	931/ 1116/ 1213	1091/ 1225/ 1329	1182/ 1347/ 1412	1192/ 1453/ 1438	1363/ 1681/ 1664	1363/ 1681/ 1664
Width (Side/Top/Box)	mm	216/ 216/ 216	216/ 216/ 255	255/ 216/ 255	275/ 275/ 255	350/ 350/ 350	350/ 350/ 350	350/ 350/ 350
Height (Side/Top/Box)	mm	335/ 187/ 298	354/ 208/ 260	431/ 200/ 260	498/ 286/ 260	652/ 474/ 475	681/ 474/ 475	681/ 474/ 475
Operating Pressure	kg/cm² psi bar	90-120 1280-1704 88-117	90-120 1280-1704 88-117	90-120 1280-1704 88-117	90-120 1280-1704 88-117	100-130 1420-1846 97-127	110-140 1562-1988 108-137	110-140 1562-1988 108-137
Hydraulic Flow Range	l/min gal/min	12-20 3-5.5	15-25 4-7	20-30 5-8	25-50 7-13	30-60 8-16	40-70 11-19	40-70 11-19
Impact Frequency	bpm	800-1400	800-1400	700-1200	600-1100	600-1100	500-900	500-900
Diameter of Hose	mm inch	12.7 1/2	12.7 1/2	12.7 1/2	12.7 1/2	12.7 1/2	12.7 1/2	12.7 1/2
Diameter of Tool	mm inch	35 1.38	40 1.57	45 1.77	53 2.08	60 2.36	68 2.68	68 2.68
Weight of Tool	kg	3	4	8	9	12	18	18
Suitable Carrier	m³	0.05	0.07	0.03-0.1	0.06-0.2	0.1-0.25	0.15-0.3	0.15-0.3
Suitable Carrier	ton	0.4-2	0.8-2.5	1.2-3.0	2.5-4.5	4-6	4-7	4-7
Valve Type		Inward	Inward	Inward	Inward	Inward	Inward	Inward
Accumulator Exists		No	No	No	No	No	No	Yes

	Model	EDT430	EDDIE75	EDDIE75A	EDDIE80	EDDIE80A	EDDIE85	EDDIE85A
Body Weight	kg lbs	214 471	215 473	225 495	217 477	227 499	282 620	301 662
Total Weight (Side/Top/Box)	kg	337/ 412/ 405	348/ 412/ 411	358/ 422/ 421	350/ 414/ 413	360/ 424/ 423	506/ 625/ 655	525/ 644/ 674
Length (Side/Top/Box)	mm	1433/ 1742/ 1710	1484/ 1742/ 1755	1484/ 1742/ 1755	1484/ 1742/ 1755	1484/ 1742/ 1755	1676/ 2027/ 1993	1676/ 2027/ 1993
Width (Side/Top/Box)	mm	350/ 380/ 350	350/ 380/ 350	350/ 380/ 350	350/ 380/ 350	350/ 380/ 350	440/ 440/ 440	440/ 440/ 440
Height (Side/Top/Box)	mm	748/ 475/ 475	755/ 475/ 475	755/ 475/ 475	755/ 475/ 475	755/ 475/ 475	885/ 547/ 562	885/ 547/ 562
Operating Pressure	kg/cm ² psi bar	120-150 1704-2130 118-147	120-150 1704-2130 118-147	120-150 1704-2130 118-147	120-150 1704-2130 118-147	120-150 1704-2130 118-147	130-160 1846-2272 128-157	130-160 1846-2272 128-157
Hydraulic Flow Range	l/min gal/min	50-90 13-24	50-90 13-24	50-90 13-24	50-90 13-24	50-90 13-24	60-100 16-26	60-100 16-26
Impact Frequency	bpm	400-800	400-800	400-800	400-800	400-800	400-800	400-800
Diameter of Hose	mm inch	12.7 1/2	12.7 1/2	12.7 1/2	12.7 1/2	12.7 1/2	19.05 3/4	19.05 3/4
Diameter of Tool	mm inch	75 2.95	75 2.95	75 2.95	80 3.15	80 3.15	85 3.35	85 3.35
Weight of Tool	kg	22	24	24	26	26	29	29
Suitable Carrier	m ³	0.2-0.35	0.2-0.35	0.2-0.35	0.2-0.35	0.2-0.35	0.25-0.5	0.25-0.5
Suitable Carrier	ton	6-9	6-9	6-9	6-9	6-9	7-14	7-14
Valve Type		Inward	Inward	Inward	Inward	Inward	Inward	Inward
Accumulator Exists		No	No	Yes	No	Yes	No	Yes

	Model	EDDIE100	EDDIE100A	EDDIE120	EDDIE125	EDDIE135	EDDIE135F
Body Weight	kg lbs	479 1054	503 1107	580 1276	620 1364	850 1870	846 1861
Total Weight (Side/Top/Box)	kg	775/ 817/ 950	799/ 841/ 974	1280/ 1300/ 1188	1224/ 1287/ 1285	1572/ 1859/ 1685	1576/ 1870/ 1682
Length (Side/Top/Box)	mm	1989/ 2347/ 2350	1989/ 2347/ 2350	2050/ 2470/ 2450	2286/ 2723/ 2750	2423/ 2835/ 2750	2259/ 2691/ 2750
Width (Side/Top/Box)	mm	440/ 455/ 440	440/ 455/ 440	558/ 558/ 558	545/ 545/ 565	565/ 565/ 565	565/ 565/ 565
Height (Side/Top/Box)	mm	967/ 551/ 562	967/ 551/ 562	1075/ 710/ 710	1114/ 619/ 666	1237/ 707/ 560	1237/ 707/ 560
Operating Pressure	kg/cm² psi bar	150-170 2130-2414 147-166	150-170 2130-2414 147-166	150-170 2130-2414 147-166	150-170 2130-2414 147-166	160-180 2272-2556 157-177	160-180 2272-2556 157-177
Hydraulic Flow Range	l/min gal/min	80-110 21-29	80-110 21-29	90-110 34-40	90-120 24-32	130-150 34-40	145-180 38-48
Impact Frequency	bpm	350-700	350-700	350-600	350-650	400-600	360-460
Diameter of Hose	mm inch	19.05 3/4	19.05 3/4	19.05 3/4	25.4 1	25.4 1	25.4 1
Diameter of Tool	mm inch	100 3.94	100 3.94	120 4.73	125 4.92	135 5.31	135 5.31
Weight of Tool	kg	57	57	87	94	115	115
Suitable Carrier	m³	0.4-0.6	0.4-0.6	0.5-0.7	0.5-0.7	0.6-0.8	0.6-0.8
Suitable Carrier	ton	10-15	10-15	15-18	15-18	18-26	18-26
Valve Type		Inward	Inward	Outward	Inward	Outward	Outward
Accumulator Exists		No	Yes	Yes	No	Yes	Yes

	Model	EDDIE140	EDDIE140A	EDDIE150	EDDIE155	EDDIE160	EDDIE165
Body Weight	kg lbs	920 2024	956 2103	1092 2402	1313 2889	1400 3080	1590 3498
Total Weight (Side/Top/Box)	kg	1781/ 2048/ 1872	1826/ 2093/ 1917	2188/ 2511/ 2351	2484/ 2774/ 2716	-/ 3116/ 2993	3156/ 3511/ 3183
Length (Side/Top/Box)	mm	2479/ 2900/ 2860	2479/ 2900/ 2860	2575/ 3027/ 3020	2767/ 3219/ 3088	-/ 3262/ 3145	3000/ 3458/ 3450
Width (Side/Top/Box)	mm	565/ 565/ 565	565/ 565/ 565	665/ 665/ 665	665/ 665/ 665	-/ 655/ 655	665/ 665/ 665
Height (Side/Top/Box)	mm	1316/ 707/ 560	1316/ 707/ 560	1353/ 760/ 760	1390/ 760/ 799	-/ 760/ 837	1526/ 760/ 840
Operating Pressure	kg/cm² psi bar	160-180 2272-2556 157-177	160-180 2272-2556 157-177	160-180 2272-2556 157-177	160-180 2272-2556 157-177	160-180 2272-2556 157-177	160-180 2272-2556 157-177
Hydraulic Flow Range	l/min gal/min	120-180 32-48	120-180 32-48	150-190 40-50	180-240 48-64	190-240 50-64	200-250 53-66
Impact Frequency	bpm	350-550	350-550	350-700	300-450	250-380	200-380
Diameter of Hose	mm inch	25.4 1	25.4 1	25.4 1	25.4 1	31.75 1 ¼	31.75 1 ¼
Diameter of Tool	mm inch	140 5.51	140 5.51	150 5.91	155 6.1	160 6.3	165 6.5
Weight of Tool	kg	126	126	157	190	175	215
Suitable Carrier	m³	0.7-0.9	0.7-0.9	0.9-1.2	1.1-1.4	1.2-1.6	1.2-1.6
Suitable Carrier	ton	18-26	18-26	27-35	28-35	35-40	35-40
Valve Type		Inward	Inward	Outward	Inward	Outward	Inward
Accumulator Exists		No	Yes	Yes	Yes	Yes	Yes

	Model	EDDIE175	EDDIE180	EDDIE185	EDDIE195	EDDIE200	EDDIE205
Body Weight	kg lbs	1960 4310	2038 4484	2375 5222	2823 6210	3077 6766	3339 7345
Total Weight (Side/Top/Box)	kg	3806/ 4232/ 3789	3915/ 4351/ 3900	4655/ 5102/ 5226	5418/ 5810/ 5823	5985/ 6536/ 6243	6250/ 6280/ 6700
Length (Side/Top/Box)	mm	3128/ 3732/ 3729	3164/ 3737/ 3734	3284/ 3875/ 3882	3596/ 4030/ 4043	3479/ 4060/ 4189	3570/ 4233/ 4347
Width (Side/Top/Box)	mm	755/ 755/ 755	755/ 755/ 755	755/ 755/ 755	755/ 755/ 755	755/ 755/ 755	755/ 805/ 805
Height (Side/Top/Box)	mm	1600/ 908/ 908	1400/ 908/ 908	1642/ 908/ 940	1690/ 908/ 940	1707/ 950/ 1000	1853/ 1017/ 1009
Operating Pressure	kg/cm² psi bar	160-180 2272-2556 157-177	180-220 2558-3126 176-215	180-220 2558-3126 176-215	200-240 2842-3410 196-235	200-240 2842-3410 196-235	230-260 3268-3695 225-255
Hydraulic Flow Range	l/min gal/min	200-260 53-69	240-300 63-79	240-300 63-79	290-360 77-95	300-370 79-98	320-390 85-103
Impact Frequency	bpm	200-300	190-260	180-250	150-200	150-200	130-170
Diameter of Hose	mm inch	31.75 1 ¼	31.75 1 ¼	31.75 1 ¼	31.75 1 ¼	31.75 1 ¼	38.1 1 ½
Diameter of Tool	mm inch	175 6.89	180 7.09	185 7.28	195 7.68	200 7.87	205 8.07
Weight of Tool	kg	255	270	287	304	315	347
Suitable Carrier	m³	1.4-1.8	1.6-3	2.0-3.5	3-4	3-4	3.5-4.5
Suitable Carrier	ton	36-45	40-50	42-55	48-60	48-60	55-65
Valve Type		Inward	Outward	Outward	Outward	Outward	Outward
Accumulator Exists		Yes	Yes	Yes	Yes	Yes	Yes

	Model	EDDIE210	EDDIE215	EDDIE220	EDDIE230	EDDIE248	EDDIE258
Body Weight	kg lbs	3400 7480	3577 7868	3939 8665	4153 9135	5047 11101	5994 13185
Total Weight (Side/Top/Box)	kg	6476/ 7225/ 7000	6760/ 7513/ 7453	7334/ 8147/ 8053	8236/ 9032/ 8950	9450/ 11400/ 10500	10685/ 11420/ 11820
Length (Side/Top/Box)	mm	3613/ 4360/ 4400	3687/ 4360/ 4408	3841/ 4470/ 4518	3797/ 4690/ 4612	4029/ 4975/ 4788	4251/ 4750/ 4970
Width (Side/Top/Box)	mm	805/ 805/ 805	864/ 864/ 864	865/ 865/ 870	865/ 865/ 1000	855/ 980/ 1000	955/ 955/ 1000
Height (Side/Top/Box)	mm	1811/ 1017/ 1030	1911/ 1030/ 1050	1908/ 1030/ 1109	1976/ 1030/ 1290	2030/ 1230/ 1290	2099/ 1080/ 1290
Operating Pressure	kg/cm ² psi bar	230-260 3268-3695 225-255	230-260 3268-3695 225-255	230-260 3268-3695 225-255	230-260 3268-3695 225-255	230-260 3268-3695 225-255	230-260 3268-3695 225-255
Hydraulic Flow Range	l/min gal/min	340-420 90-111	360-460 95-122	400-500 106-132	420-540 111-143	450-550 119-145	500-600 132-159
Impact Frequency	bpm	130-170	130-170	130-170	130-170	110-150	110-140
Diameter of Hose	mm inch	38.1 1 ½	38.1 1 ½	38.1 1 ½	38.1 1 ½	38.1 1 ½	38.1 1 ½
Diameter of Tool	mm inch	210 8.27	215 8.46	220 8.66	230 9.06	248 9.76	258 10.16
Weight of Tool	kg	365	384	427	479	590	662
Suitable Carrier	m ³	3.5-4.5	3.5-5	4-6	4.5-6.5	5-7	6-10
Suitable Carrier	ton	55-65	65-75	65-80	70-90	75-100	85-120
Valve Type		Outward	Outward	Outward	Outward	Outward	Outward
Accumulator Exists		Yes	Yes	Yes	Yes	Yes	Yes

External Dimensions

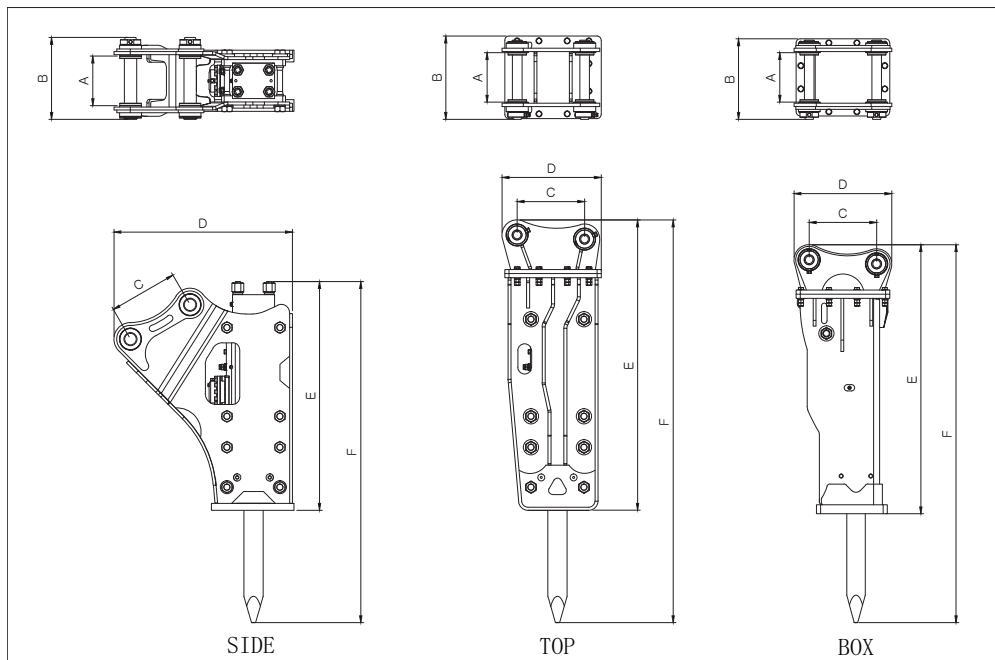


Table 2

Unit:mm

	A			B			C			D			E			F		
	SIDE	TOP	BOX	SIDE	TOP	BOX	SIDE	TOP	BOX	SIDE	TOP	BOX	SIDE	TOP	BOX	SIDE	TOP	BOX
EDDIE35	126	126	145	216	216	255	106	106	165	354	208	260	456	623	868	877	1062	1159
EDDIE40	126	126	145	216	216	255	106	106	165	354	208	260	533	700	945	931	1116	1213
EDDIE45	145	126	145	255	216	255	165	106	165	431	200	260	609	747	1013	1091	1225	1329
EDDIE53	165	165	145	275	275	255	185	185	165	498	286	260	688	867	1082	1182	1347	1412
EDDIE60	210	210	210	350	350	350	285	240	340	659	474	475	667	983	1170	1201	1506	1489
EDDIE68	210	210	210	350	350	350	285	340	340	681	474	475	775	1073	1277	1363	1681	1664
EDT430	210	240	210	350	380	350	343	340	340	748	475	475	837	1129	1324	1433	1742	1710
EDDIE75/80	210	240	210	350	380	350	340	340	340	755	475	475	846	1129	1328	1484	1742	1755
EDDIE85	275	275	275	440	440	440	300	375	375	885	547	562	1052	1622	1603	1676	2027	1993
EDDIE100	275	290	275	440	455	440	390	390	375	967	551	562	1137	1480	1744	1989	2347	2350
EDDIE120	360	360	360	558	558	558	420	490	490	1075	710	710	1420	2475	1810	2050	2470	2450
EDDIE125	340	340	360	545	545	565	420	420	410	1114	619	666	1539	1980	2025	2286	2723	2750
EDDIE135	360	360	360	565	565	565	465	490	465	1237	707	560	1601	2013	1943	2423	2835	2750
EDDIE135F	360	360	360	565	565	565	465	490	465	1237	707	560	1601	2041	1943	2259	2691	2750
EDDIE140(A)	360	360	360	565	565	565	465	490	490	1316	707	560	1672	2093	2083	2479	2900	2860
EDDIE150	430	430	430	665	655	655	520	520	520	1353	760	760	1777	2218	2211	2575	3027	3020
EDDIE155	430	430	430	665	655	655	520	520	520	1390	760	799	1863	2334	2366	2767	3219	3088
EDDIE165F	430	430	430	665	655	655	560	520	560	1526	760	840	2077	2399	2624	3000	3262	3450
EDDIE160	/	430	430	/	655	655	/	520	520	/	760	837	/	2419	2477	/	3262	3145
EDDIE175	500	500	500	755	755	755	520	620	620	1600	908	908	2211	2815	2885	3128	3732	3729
EDDIE180	500	500	500	755	755	755	520	620	620	1400	908	908	2249	2853	2923	3164	3737	3734
EDDIE185	500	500	500	755	755	755	600	620	600	1642	908	940	2409	3018	3125	3384	3875	3882
EDDIE195	500	500	500	755	755	755	620	620	590	1680	908	940	2588	3064	3239	3596	4030	4043
EDDIE200	500	500	500	755	755	755	620	620	620	1707	950	1000	2627	3208	3272	3479	4060	4189
EDDIE205	500	550	550	755	805	805	620	700	660	1853	1017	1009	2597	3316	3559	3570	4233	4347
EDDIE210	550	550	500	805	805	805	660	700	700	1811	1017	1030	2737	3484	3500	3613	4360	4400
EDDIE215	600	600	600	864	864	864	700	700	700	1911	1030	1050	2787	3531	3608	3687	4360	4408
EDDIE220	600	600	600	865	865	870	700	700	630	1908	1030	1109	2950	3580	3832	3841	4470	4518
EDDIE230	600	600	600	865	865	1000	700	700	750	1976	1030	1290	2900	3590	3819	3797	4690	4612
EDDIE248	700	700	600	965	965	1000	750	750	750	2088	1080	1290	3200.5	3998	3954	4191	4969	4788
EDDIE258	700	700	600	955	955	1000	750	750	750	2099	1080	1290	3389	4004	4055	4413	5026	4970

To Replace Parts at Regular Intervals

1) The following wear parts must be replaced timely, in case they are worn or broken:

Part Name	regular interval for replacement or reparation
Tool	refer to page 24
Rod Pin	refer to page 27
Stop Pin	4 months
Rubber Plug	worn or lost
Oil Seal	3 months
Through Bolt	6 months
Through Bolt Washer	6 months
Side Bolt	6 months
Hydraulic Hose	6 months
Front Cover	refer to page 28
Ring Bush	refer to page 29

2) Hydraulic oil, first replacement is at 250 hours; afterwards to replace every 800 hours. To replace oil filter at first 50 hours, afterwards to replace every 100 hours.

3) To ensure uninterrupted operation, keep spare wear parts in stock. Such as tool, rod pin, stop pin, rubber plug, bolt, hydraulic hose, etc.

4) Replace the oil seal every 500 hours or 3 months, whichever comes first.

5) The above mentioned interval is subject to excavator's working time.

※The above mentioned wear parts are not covered under warranty.

Safety Information

Most of accidents happen due to overlooking security while operating, checking and repairing. It is very important to operate hydraulic breaker in correct way while working, because it can directly cause accident and machine breakdown due to wrong operation.

Follow the instructions in this manual when operating the hydraulic breaker. We will not take responsibility for any accident or machine breakdown which is caused by incorrect operation or incorrect maintenance. Please note these areas marked with  Danger, Warning, Attention, Indication,  which shall be paid much more attention during working.

* If you have any inquiry on this manual, please contact the local distributor.

Our company can't foresee all the potential dangers during the whole process of hydraulic breaker's operation, inspection and reparation, so if you adopt different ways and methods during the process of operating the hydraulic breaker, you must ensure security and no mistake so as to avoid machine breakdown.

Safety Clothing

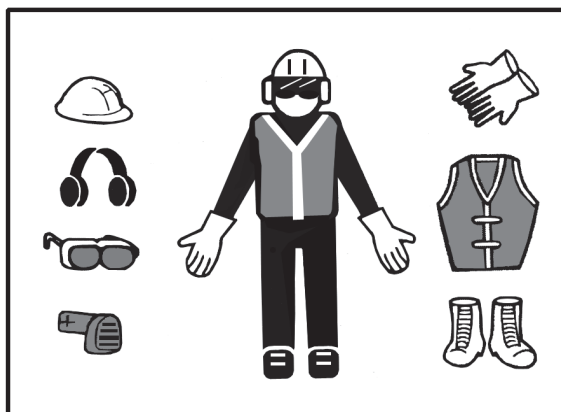
Please put on safety cap, shoes, clothing and other safety devices (glasses, gloves, earplugs, etc.) when operating or repairing the machine.

Attention to Obstacles

Pay attention to obstacles, especially when working near power lines

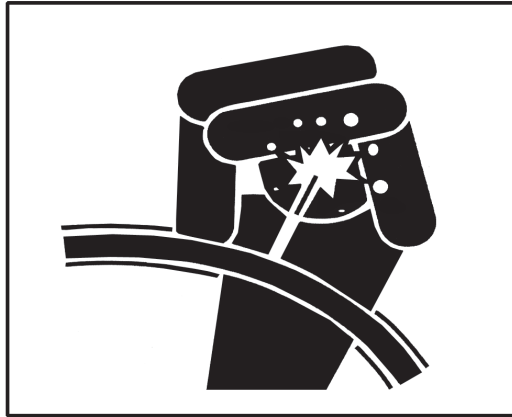
Keep the shortest safety distance to power line.

To contact the power company in advance when you have to work close to power line.



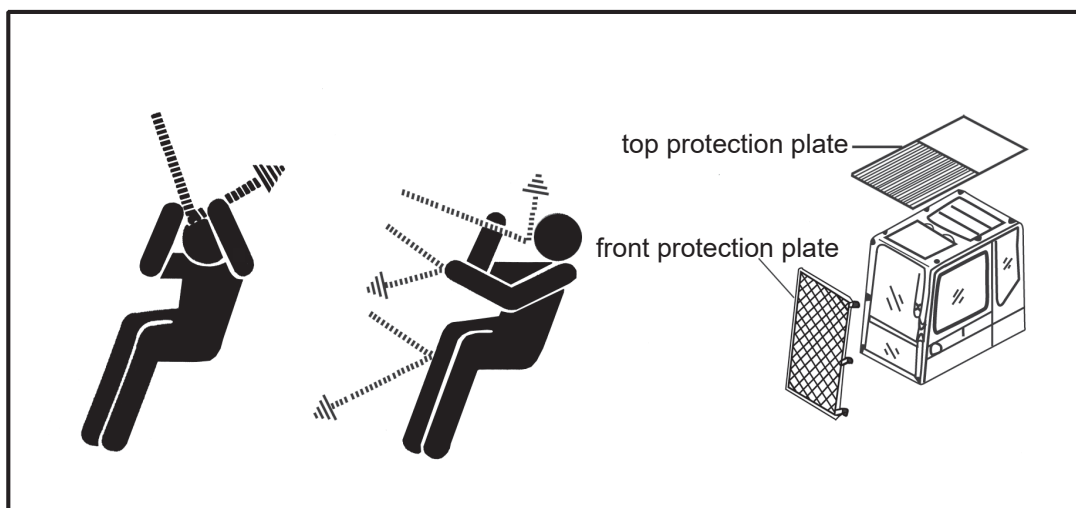
Notice for Removal Hydraulic Breaker

The hydraulic oil after operation is in high temperature and high pressure condition, If you disassemble nut, hose pipe and other parts at this moment, it will cause the hydraulic oil to squirt out. So when you disassemble those parts, you must reduce the pressure and temperature of the hydraulic oil in the tank first.



Pay Attention to Falling Broken Objects

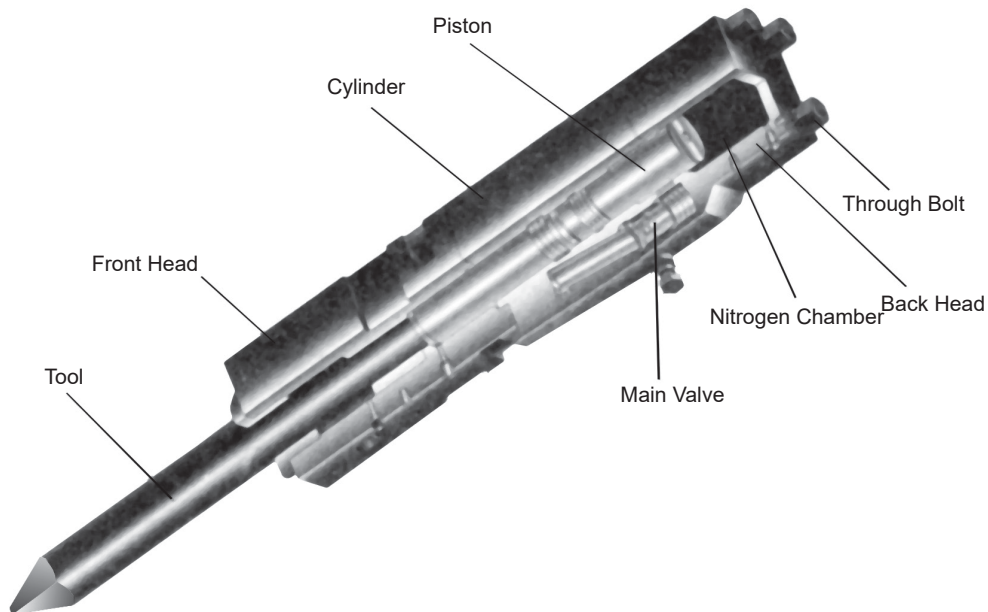
The staff should pay attention to the scattered dangerous objects after striking during the work, and select the suitable location according to the on-site operation. Prepare necessary protective measures.



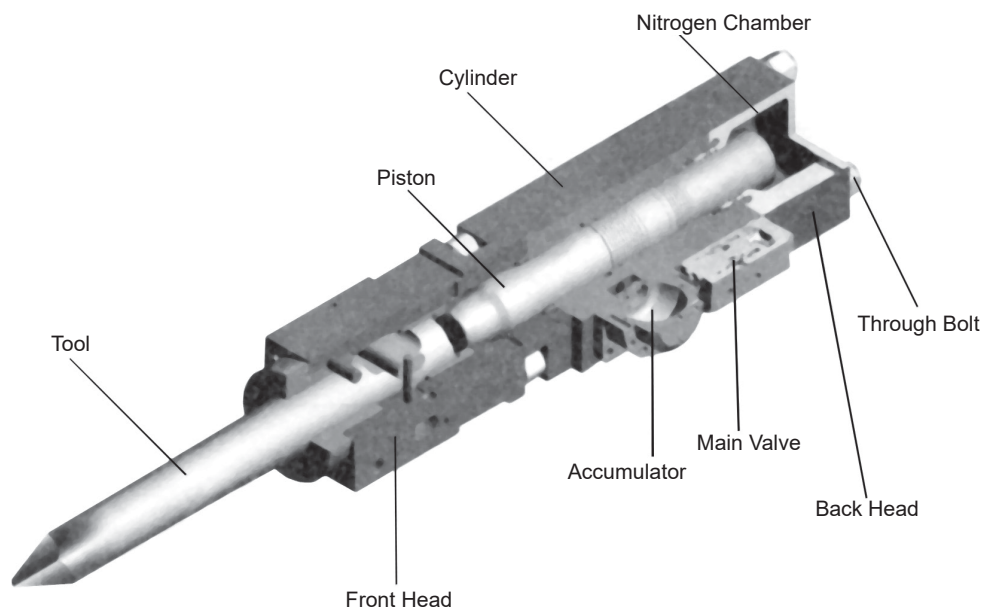
Name of Part and Its Function

■ Structure

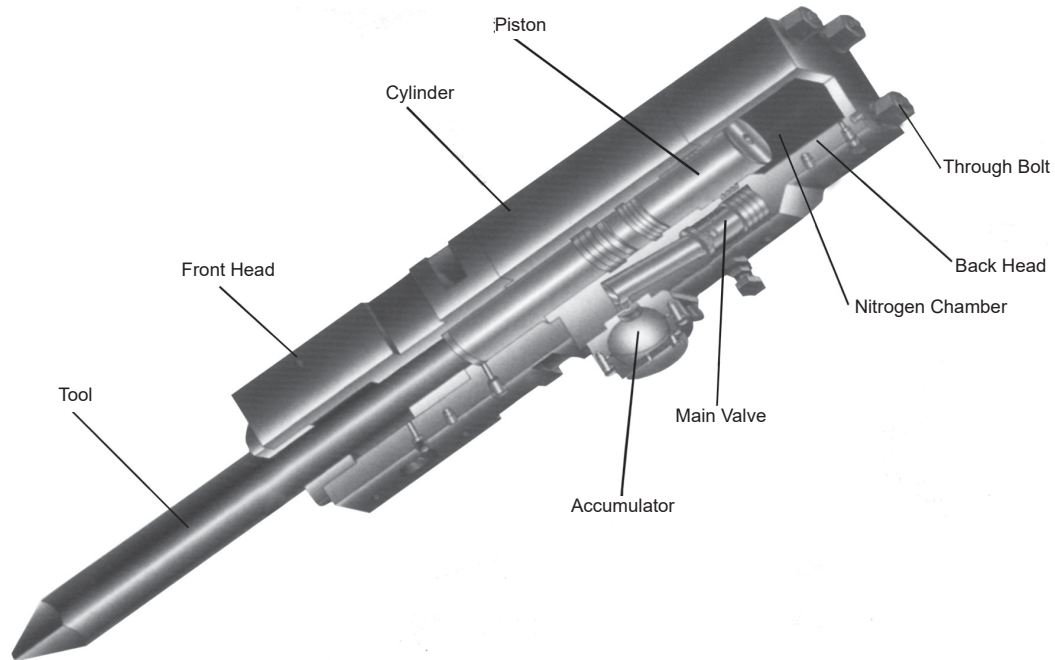
EDDIE35, EDDIE40, EDDIE45, EDDIE53, EDDIE60, EDDIE68, EDT430, EDDIE75, EDDIE80, EDDIE85, EDDIE100, EDDIE125, EDDIE140



EDDIE120, EDDIE135, EDDIE135F, EDDIE150, EDDIE160, EDDIE180, EDDIE185, EDDIE195, EDDIE200, EDDIE205, EDDIE210, EDDIE215, EDDIE220, EDDIE230, EDDIE248, EDDIE258



EDDIE68A, EDDIE75A, EDDIE80A, EDDIE85A, EDDIE100A, EDDIE140A,
EDDIE155, EDDIE165, EDDIE175



■ Main Valve

The Main Valve controls reciprocates piston action with hydraulic oil distribution.

■ Accumulator

Ensure the gas energy of the impact power
Absorb the vibration pressure caused by the piston rebound
Ensure the stability of hydraulic pressure

■ Nitrogen Chamber

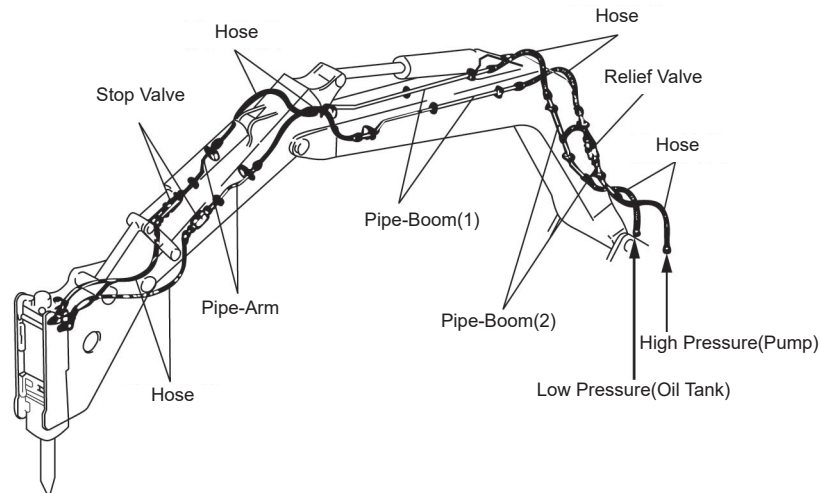
Nitrogen charging
Charge pressure
See Table 4 at Page 33

■ Tool

There are five types of tool, such as moil type, blunt type and so on. See page 24 for more details. (Tool Management)
Please select according to the use.

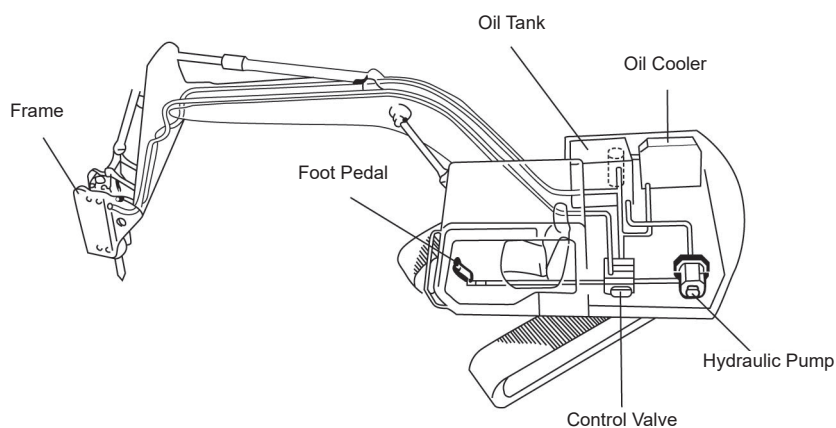
■ Hydraulic Piping Kit

1. When you install hydraulic breaker on hydraulic excavator, be sure to use professional hydraulic pipe. Different excavators need to be equipped with different hydraulic pipelines. (Please contact local dealer.)



2. As the pump energy and control valve form of hydraulic excavator are different, the connection way of pipeline is completely different. There are two main methods:

- 1) Prepare valve connection
- 2) Connect pump directly



Internal Valve Principle

Brief Description

P1: Sustained high hydraulic pressure supplied from the inlet.

P2: Sustained low hydraulic pressure connected to the outlet.

P3: High-low exchange hydraulic pressure that varies with piston displacement, P3 connects with P5 through oil channels. High pressure triggers valve upward movement, and low pressure triggers valve downward movement.

P4: Sustained high hydraulic pressure acting on the piston's effective area to drive it upward.

P5: High-low exchange hydraulic pressure that varies with piston displacement. P5 connects with P3 through oil channels.

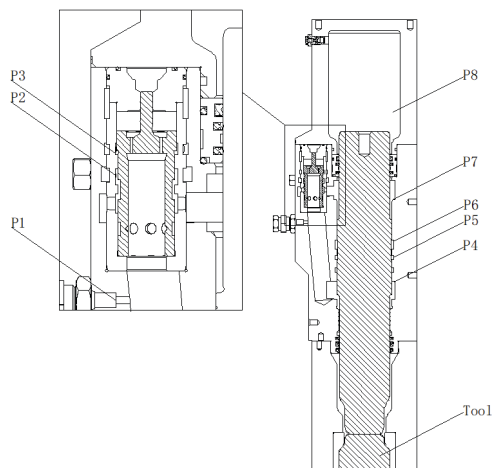
P6: Sustained low hydraulic pressure connected to the outlet.

P7: High-low exchange hydraulic pressure that varies with valve displacement. This pressure acts on the piston's effective area to drive it downward.

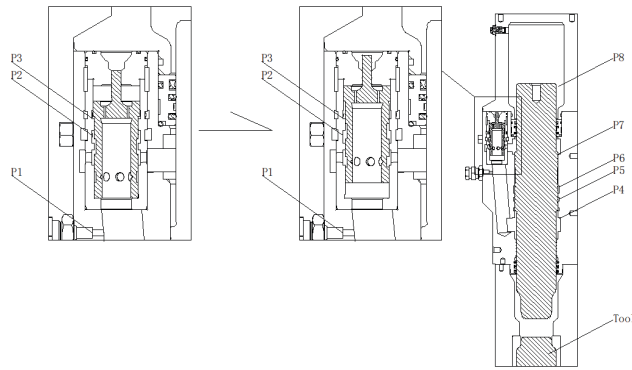
P8: Fluctuating nitrogen pressure caused by the piston displacement, the pressure acts on the effective area of the piston to drive it downward.

Piston Upstroke

At the beginning of operation, the piston and valve are at the bottom, as shown in the image below. The P3, P5 and P7 are low pressure at the moment.

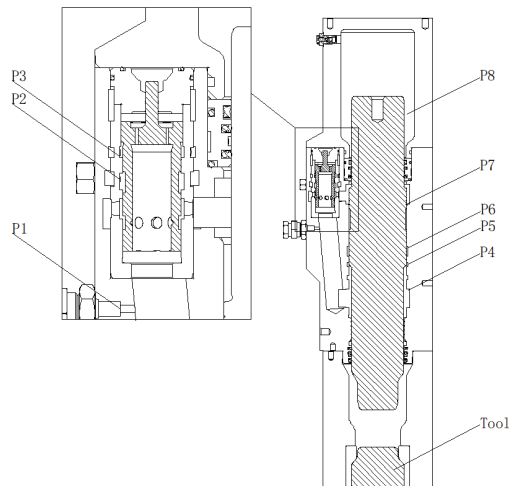


The excavator's hydraulic system supplies power to P1, which transfers sustained high pressure to P4. This high pressure drives the piston upward. Once the piston reaches a certain position, P4 connects to P5, causing P3 and P5 to switch from low to high pressure. This change triggers the upward movement of the valve.

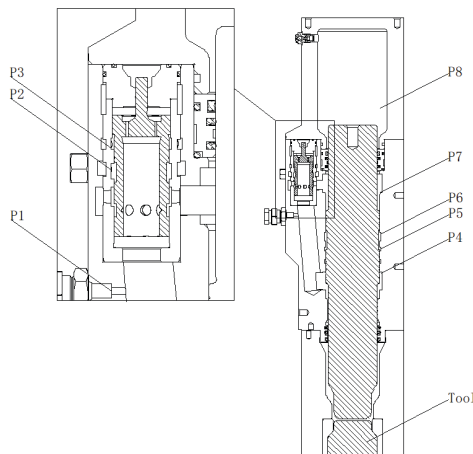


Piston Downstroke

When the piston and valve are at the top, as shown in the image below, pressure from P1 connects to P7 through oil channels, resulting in high pressure in P7. The combined force of high pressure P7 and compressed nitrogen pressure P8 overcomes the resistance from P4, driving the piston downward.



As the piston moves to the position where P5 and P6 connect, P3 and P5 switch to low pressure, causing the valve to move downward. When the valve are at the bottom, P7 changes to low pressure by connecting P2. The piston completes one full stroke upon impacting the tool.



External Valve Principle

Brief Description

P1: Sustained high hydraulic pressure supplied from the inlet.

P2: Sustained low hydraulic pressure connected to the outlet.

P3: Sustained high hydraulic pressure supplied from P1.

P4: High-low exchange hydraulic pressure that varies with piston displacement, P4 connects with P6 through oil channels. High pressure triggers valve upward movement, and low pressure triggers valve downward movement.

P5: Sustained high hydraulic pressure acting on the piston's effective area to drive it upward.

P6: High-low exchange hydraulic pressure that varies with piston displacement. P6 connects with P4 through oil channels.

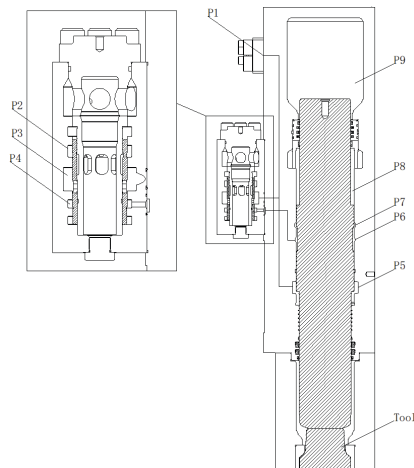
P7: Sustained low hydraulic pressure connected to the outlet.

P8: High-low exchange hydraulic pressure that varies with valve displacement. This pressure acts on the piston's effective area to drive it downward.

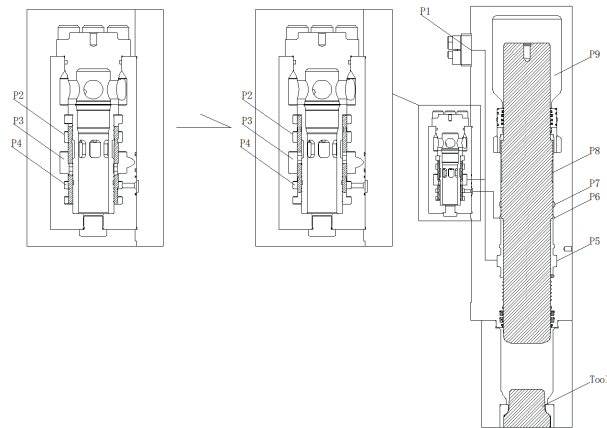
P9: Fluctuating nitrogen pressure caused by the piston displacement, the pressure acts on the effective area of the piston to drive it downward.

Piston Upstroke

At the beginning of operation, the piston and valve are at the bottom, as shown in the image below. The P4, P6 and P8 are low pressure at the moment.

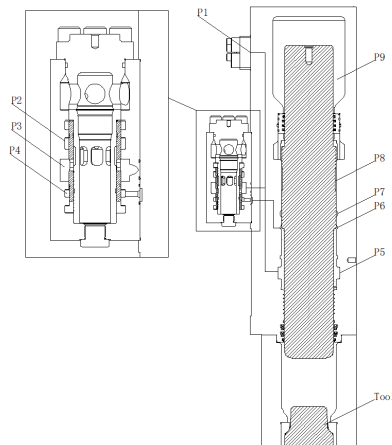


The excavator's hydraulic system supplies power to P1, which transfers sustained high pressure to P3 and P5. P5 push the piston goes up. Once the piston reaches a certain position, P5 connects to P6, causing P4 and P6 to switch from low to high pressure. This change triggers the upward movement of the valve.

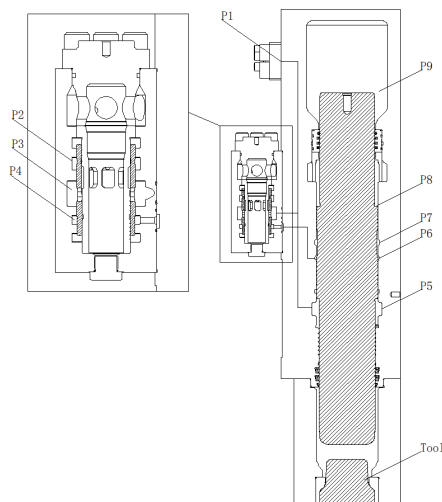


Piston Downstroke

When the piston and valve are at the top, as shown in the image below, pressure from P3 connects to P8 through oil channels, resulting in high pressure in P8. The combined force of high pressure P8 and compressed nitrogen pressure P9 overcomes the resistance from P5, driving the piston downward.



As the piston moves to the position where P6 and P7 connect, P4 and P6 switch to low pressure, causing the valve to move downward. When the valve is at the bottom, P8 changes to low pressure by connecting P3. The piston completes one full stroke upon impacting the tool.

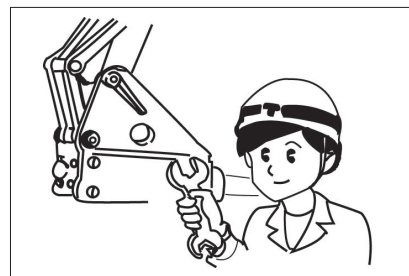


Correct Operation

Safety Inspection before Working

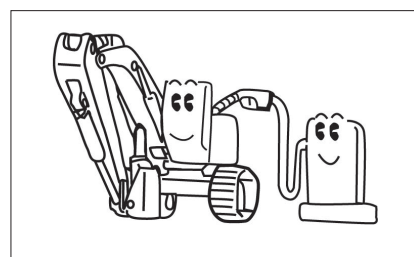
■ Bolts and Nuts

Please check whether all the bolts and nuts are tightened well. If any of them loosens, please tighten it immediately. (tighten torque please see Page 37)



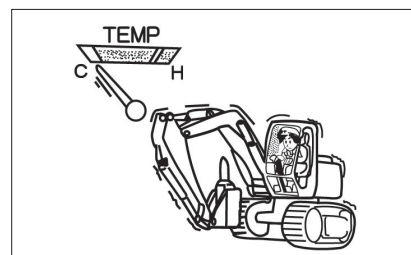
■ Hydraulic Oil

Please check whether the hydraulic oil is enough. If it is very inferior, please change the oil immediately.



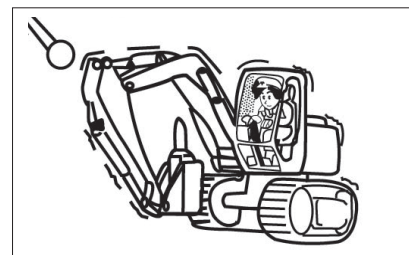
■ Warming up the Machine Blank Operation

Please do not leave the excavator during the warming up of the machine. It will be normal if the needle of the water thermometer is moving.



■ Running-in Operation

Before the first time using the new hydraulic breaker, the Running-in operation should be done for an hour. Everyday before working this operation should be done for 10 minutes, during the running-in operation, the hydraulic oil is 70% of normal working flow. During this operation the impact of the breaker should be perpendicularly, slant impact is forbidden. Full-load working immediately after just starting the machine may cause the damage of the seal kits or other important parts.



■ Greasing

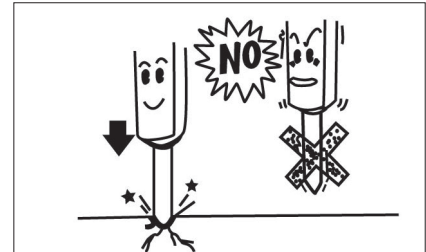
Please inject the grease into the front head of the breaker. (For more details please see Page 41)



Below operation is forbidden

■ Blank-fire is Forbidden

The operation while the chisel has not got touch with the breaking object or they are not contacting tightly is called "Blank fire". Blank fire will cause the damage of the parts, or the broken or loosen of the bolts and nuts.



■ Continuous Impact is Forbidden

Please do not impact the same point of the breaking object continuously. It will cause the abnormal abrasion of the chisel or the damage of the other parts. Please move the chisel to the other impact point of the object if the current point can not be broken within 1 minute.



■ Shaking the Chisel is Forbidden

Please do not shake the chisel, it will cause the damage of the through bolts, chisel and the seal retainer.



■ The Sudden Severe Impact to the Breaking Object is Forbidden

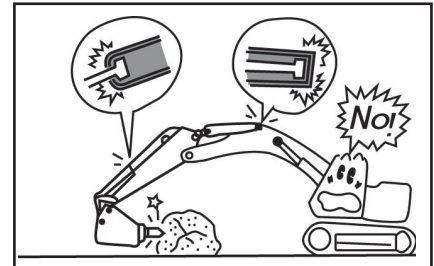
Comparing with the bucket, hydraulic breaker is much heavier, so please operate the excavator slowly. Please do not contact the breaking object fiercely. Otherwise it may cause the damage of the front area of the excavator and the swing parts.



Below operation is forbidden!

■ Please do not Operate Hydraulic Breaker with Boom or Arm Cylinders Fully Extended

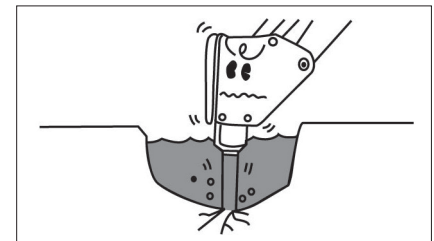
Please do not operate hydraulic breaker with boom or arm cylinders fully extended, Please keep 100 mm cylinder stroke of base machine at least, otherwise, it may cause the damage of the cylinder and the front part area.



■ Operation under Water is Forbidden

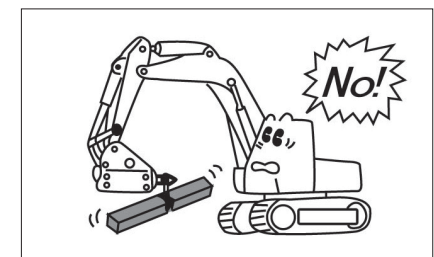
Please do not use the hydraulic breaker under the water, otherwise, it will damage it.

Please install our under-water kit for breaker in case it needs to work under water.



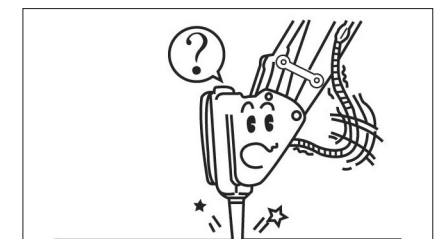
■ Hoisting is Forbidden

Please do not hoist weights by using the hydraulic breaker or its tool, it may damage the breaker and the arm of the excavator.



■ Operation During the Hydraulic Hoses Vibrating Excessively is Forbidden.

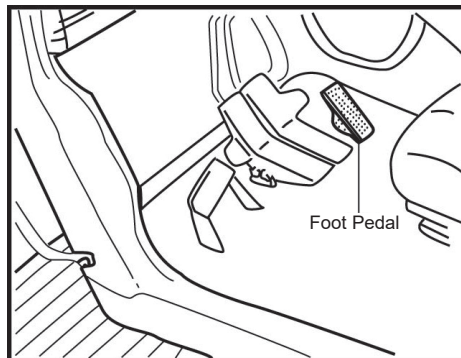
If the hydraulic hoses are vibrating excessively, It indicates gas leaking from the accumulator or back head of the hydraulic breaker. In this case, please check the nitrogen gas pressure, and charge the gas with specified pressure(For more details please see Page 33).



Breaker Operation

■ Operation Method of Breaker

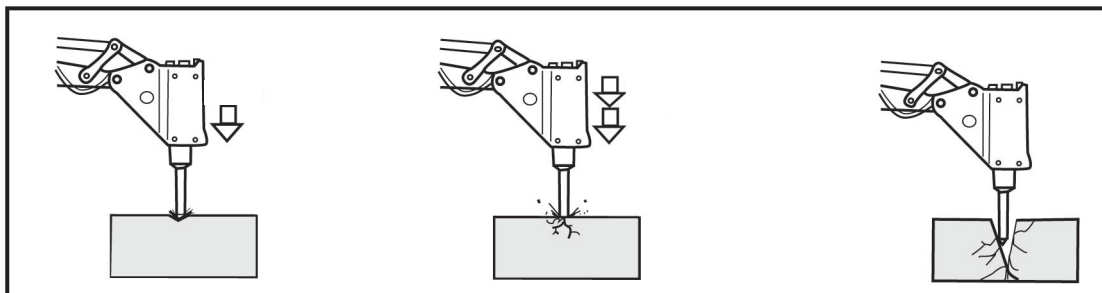
Pedal mode (pump direct connection mode, preparation valve mode): After thread on breaker's pedal, breaker start to work, breaker will stop work after release the pedal.



■ Operation of Breaker

Make chisel aim to the working object, then presit.

Make chisel vertical placed, do break working by hand-operate or pedal-operate.
stop work once the working object is broken.



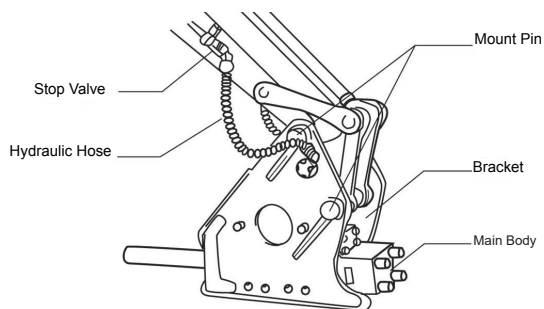
Warning

- 1.Firstly, do mechanical preheating, until the pointer of water thermometer start to move.
- 2.The engine speed should be below the set speed.
- 3.Do not work continuously in overheated conditions in summer, otherwise the temperature of oil will be too high. If the temperature is over 80°C. Stop work until the temperature come down.

Disassembly and Installation of Breaker

■ Breaker Disassembly

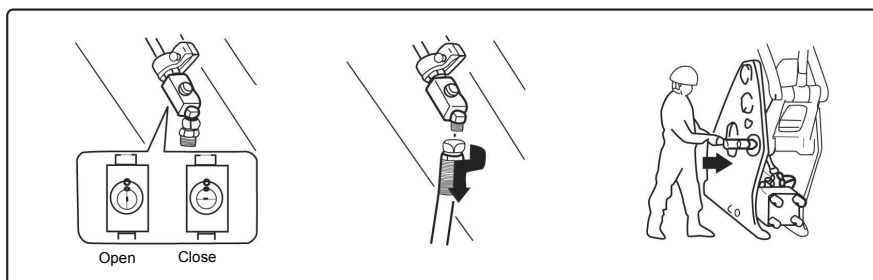
Breaker's status before disassembly



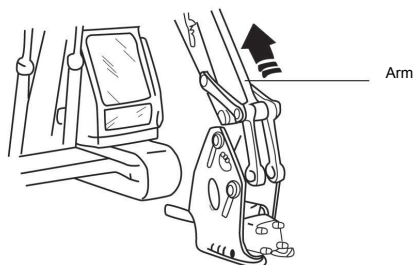
Close the stop valve.

Take hose off from arm pipe, and insert plug to prevent sundries from dropping in main body and piping.

Remove two mount pins from breaker bracket.



Lift up the arm slowly, and take off hydraulic breaker.



Warning

To avoid sundries or others drop in main body, please must tighten the plug of hose and pipe.

■ Breaker Installation

1. Make the center of bracket aim to the center of arm, then put down the arm slowly, and install mount pins.
2. Install mount pin at arm side, and operate bucket cylinder, then install the mount pin at link side.
3. Take off plugs on each pipe and hose, then connect them.
4. Open the stop valve .

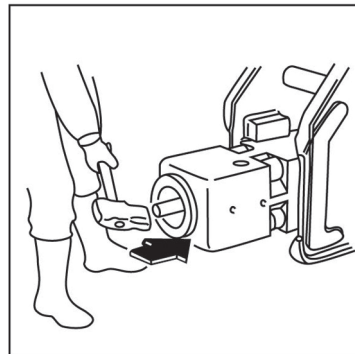
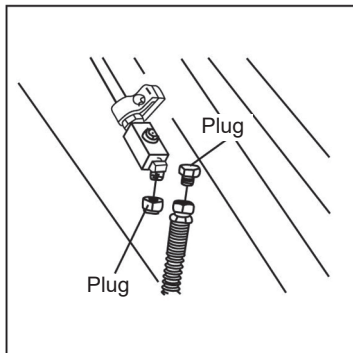


Reminder: When making the center of bracket aim to the center of arm, engine's rotating speed should be reduced to make boom's working speed slow down.

■ Breaker Maintenance

If breaker will be unused for more than one week, please follow below method .

1. Hose, pipe must be installed plugs.
2. Release the nitrogen from nitrogen chamber.(refer to P34, nitrogen chamber pressure adjustment)
3. Remove chisel from breaker.
4. Make hammer aim to the end of piston, and impact it to make piston go back.
5. Apply grease into front head.(refer to P41 Greasing)

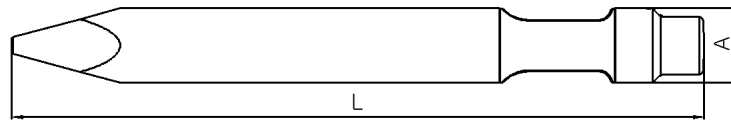


In order to protect breaker, please place it in room, or place it on sleepers, and covered by tarpaulin(to prevent rain)
Reminder:If remove hose plugs, piston will be easily draw back

Tool

Please use original EDDIE tools only.

Moil, Conical type



Blunt type



■ Tool Dimension

Table 3

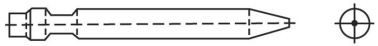
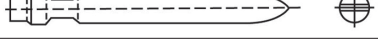
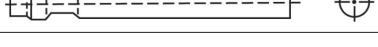
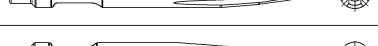
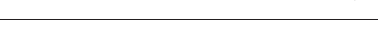
Unit: mm

	EDDIE35	EDDIE40	EDDIE45	EDDIE53	EDDIE60	EDDIE68(A)	EDT430	EDDIE75(A)	EDDIE80(A)	EDDIE85(A)	EDDIE100(A)
Diameter(A)	35	40	45	53	60	68	75	75	80	85	100
Length(L)	400	430	500	580	600	700	710	755	755	745	1000
Front Cover(B)	35	40	45	53	60	68	75	75	80	85	100

	EDDIE120	EDDIE125	EDDIE135	EDDIE135F	EDDIE140(A)	EDDIE150	EDDIE155	EDDIE160	EDDIE165	EDDIE175	EDDIE180
Diameter(A)	120	125	135	135	140	150	155	160	165	175	180
Length(L)	1100	1130	1200	1200	1300	1300	1500	1400	1500	1600	1600
Front Cover(B)	120	125	135	135	140	150	155	160	165	175	180

	EDDIE185	EDDIE195	EDDIE200	EDDIE205	EDDIE210	EDDIE215	EDDIE220	EDDIE230	EDDIE248	EDDIE258
Diameter(A)	185	195	200	205	210	215	220	230	248	258
Length(L)	1600	1650	1650	1800	1800	1800	1800	1900	1900	2000
Front Cover(B)	185	195	200	205	210	215	220	230	248	258

■ Tool Type and Application

Shape	Type	Application
	Conical Point (C)	Concrete
	Moil Point (M)	Rock
	H-Wedge (H)	Trenching
	V-Wedge (V)	Finishing
	Blunt (B)	Rock
	Conical Slotted (CS)	Rock, Concrete
	Forged Moil Point (MF)	Rock, Concrete

※ We're not responsible for the failures of hydraulic breakers caused by using non-original tools.

■ Replacement of Tool

1. Set the breaker on clean and flat, and clean the hole of Stop Pin, and remove the Stop Pin with pin punch in the opposite side of Rubber Plug.

Note: When removing Stop Pin, Rod Pin may fall down. Be caution to get injury.

2. Remove the Rod Pin with pin punch from underneath, and take Tool out of breaker.

3. Before installing Tool, apply heat-resisting grease onto groove of Tool. And then install the Tool in reverse order of removal.

4. Change the side of Rod Pin regularly to avoid excessive deformation.

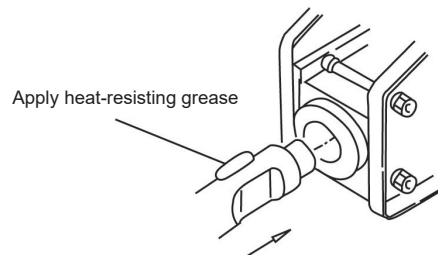
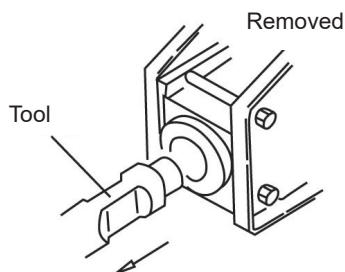
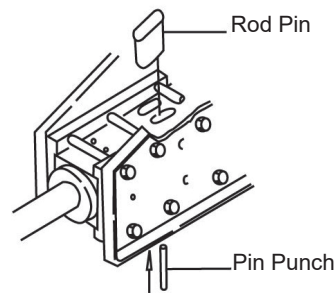
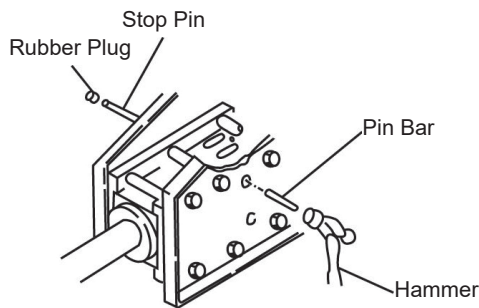
Note: Check the Rod Pin if there's any broken or wear regularly.

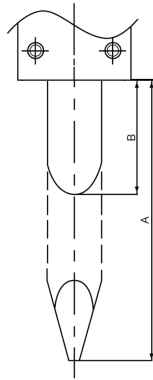
5. Replace the tool when worn. Refer to the rejection dimensions below.



Warning

- When remove or install Tool, please pay attention to its weight.
- Knocking the tips(vertical part) of Tool with a hammer is forbidden, as it may cause injury from flying debris.
- Inserting hands into connection port of the Tool is forbidden to prevent sudden descent of the piston and potential injury.
- Do not stand near to the Tool when connecting hydraulic hoses or charging gas into Back Head, as the Tool may come out suddenly.
- Do not touch Tool with hands after breaker stops working as the temperature of Tool may be very high.





A、 B is the outer length
when the Tool is fully pushed
back into Main Body.

Unit: mm

NO.	Model	Original Length (A)	Reject Length (B)
1	EDDIE35	279	200
2	EDDIE40	277	200
3	EDDIE45	326	200
4	EDDIE53	330	200
5	EDDIE60	359	200
6	EDDIE68(A)	428	250
7	EDT430	422	250
8	EDDIE75(A)	468	250
9	EDDIE80(A)	468	250
10	EDDIE85(A)	441	250
11	EDDIE100(A)	601	250
12	EDDIE120	747	300
13	EDDIE125	716	300
14	EDDIE135	826	400
15	EDDIE135F	730	300
16	EDDIE140(A)	803	400
17	EDDIE150	856	400
18	EDDIE155	853	500
19	EDDIE160	908	450
20	EDDIE165	900	450
21	EDDIE175	927	550
22	EDDIE180	920	600
23	EDDIE185	907	600
24	EDDIE195	940	600
25	EDDIE200	960	600
26	EDDIE205	1040	600
27	EDDIE210	1045	600
28	EDDIE215	1003	550
29	EDDIE220	948	600
30	EDDIE230	1044	580
31	EDDIE248	1010	640
32	EDDIE258	1039	640

■ Replacement of Rod Pin

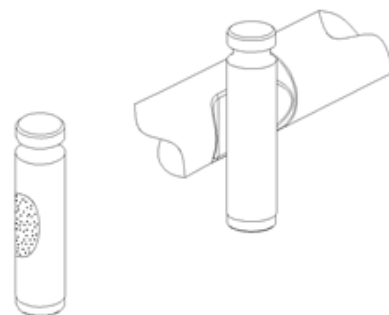
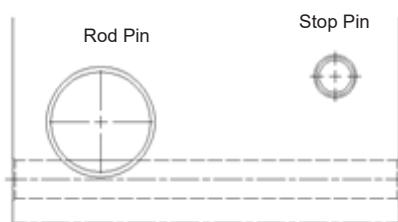
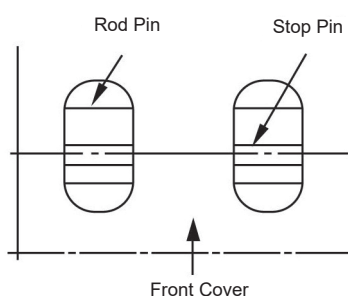
1) If Rod Pin is excessively deformed, it will be difficult to replace Tool. Therefore, after operating the breaker every 100 to 150 hours, change the side of Rod Pin which comes in contact with Tool. (Each side of Rod Pin can be used).

2) When repairing Rod Pin, check if there's any bend or deformation.

3) After grinding the worn area of Front Cover and Rod Pin, replace Tool.

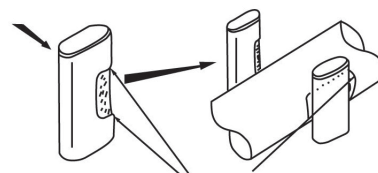
When changing the side of Rod Pin, put the Rod Pin into the groove of Tool and lock it with Stop Pin.

4) The Rod Pin should be replaced immediately after severe wearing. Please refer to the following table for wear limit dimensions:

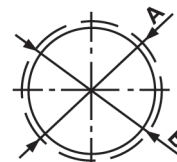
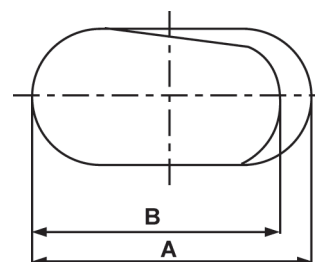


Unit: mm

No.	Model	Original Width(A)	Reject Width(B)
1	EDDIE35	22	20
2	EDDIE40	22	20
3	EDDIE45	28	26
4	EDDIE53	32	30
5	EDDIE60	32	30
6	EDDIE68(A)	38	36
7	EDT430	38	36
8	EDDIE75(A)	42	40
9	EDDIE80(A)	42	40
10	EDDIE85(A)	54	51
11	EDDIE100(A)	60	57
12	EDDIE120	71.5	68.5
13	EDDIE125	76	73
14	EDDIE135	80	77
15	EDDIE135F	80	77
16	EDDIE140(A)	89.5	85.5
17	EDDIE150	89.5	85.5
18	EDDIE155	96	92
19	EDDIE160	100	92
20	EDDIE165	96	94
21	EDDIE175	99	94
22	EDDIE180	99.5	94
23	EDDIE185	119	104
24	EDDIE195	129	123
25	EDDIE200	129.5	123
26	EDDIE205	129.5	123
27	EDDIE210	139.5	132
28	EDDIE215	139.5	132
29	EDDIE220	139.5	132
30	EDDIE230	139.5	132
31	EDDIE248	148.5	141
32	EDDIE258	164.5	157



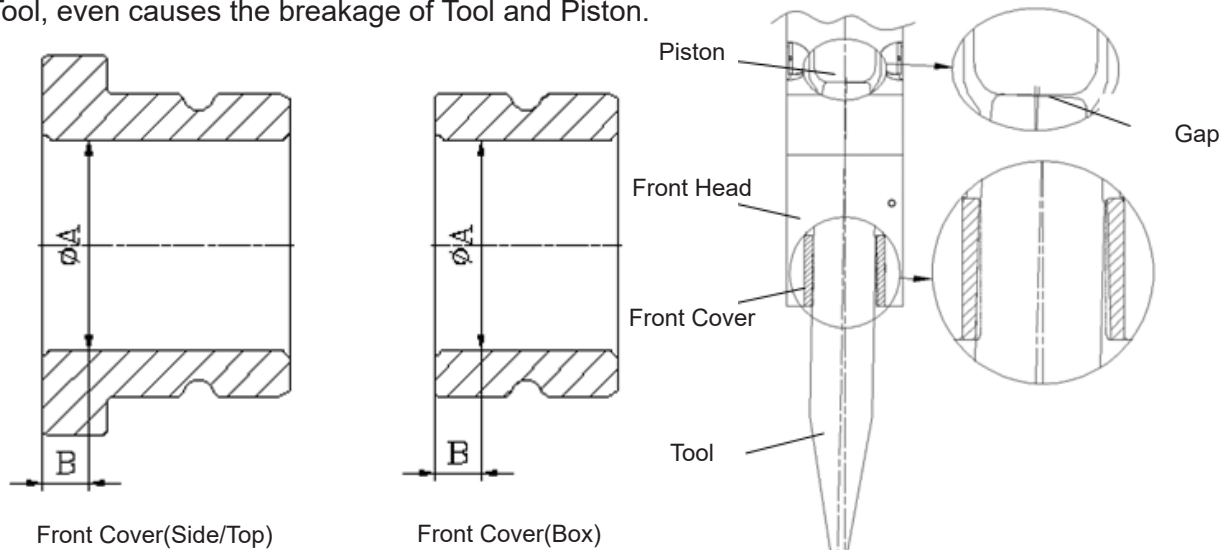
If there's any wear or bend, firstly grind it with grinder or the like.



B is the minimum width after worn.

■ Replacement of Front Cover

1) If the gap between Tool and Front Cover is severy worn, it could shorten the life of Piston and Tool, even causes the breakage of Tool and Piston.



Unit: mm

No.	Model	Measure at B	Original Dia.-A	Rejected Dia.-A
1	EDDIE35	10	35	38
2	EDDIE40	10	40	43
3	EDDIE45	10	45	48
4	EDDIE53	10	53	56
5	EDDIE60	10	60	63
6	EDDIE68(A)	10	68	72
7	EDT430	10	75	80
8	EDDIE75(A)	10	75	80
9	EDDIE80(A)	10	80	85
10	EDDIE85(A)	10	85	90
11	EDDIE100(A)	10	100	105
12	EDDIE120	10	120	125
13	EDDIE125	10	125	130
14	EDDIE135	10	135.5	140.5
15	EDDIE135F	10	135.5	140
16	EDDIE140(A)	10	140.5	146
17	EDDIE150	10	150	156
18	EDDIE155	10	155	161
19	EDDIE160	10	160	166
20	EDDIE165	10	165	172
21	EDDIE175	10	175	182
22	EDDIE180	10	180	188
23	EDDIE185	10	185	193
24	EDDIE195	10	195	203
25	EDDIE200	10	201	210
26	EDDIE205	10	206	215
27	EDDIE210	10	211	220
28	EDDIE215	10	216	225
29	EDDIE220	10	221	230
30	EDDIE230	10	231	240
31	EDDIE248	10	249	259
32	EDDIE258	10	259	268

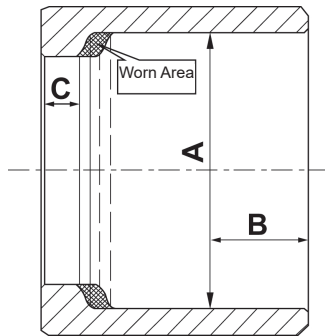
If the clearance between Tool and Front Cover is too big, it could cause following problems:

1. It could cause irregular impact between Piston and Tool, it will shorten the life of Piston.
2. It could cause angle of inclination, and it may lead to breakage of Tool.

The Front Cover should be replaced after wearing. Please refer to the reject dimensions as below.

■ Replacement of Ring Bush

1.If the gap between Tool and Ring Bush is severy worn, it could shorten the life of Piston and Tool, even causes the breakage of Tool and Piston.



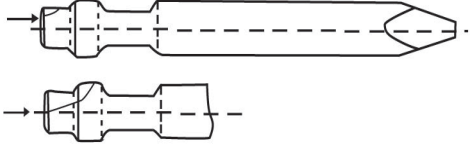
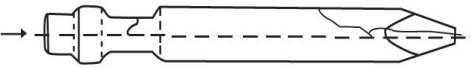
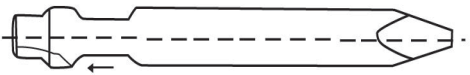
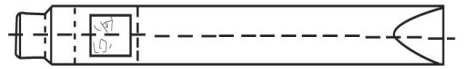
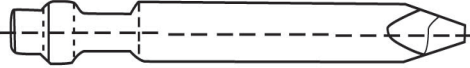
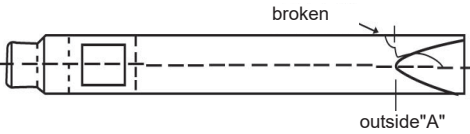
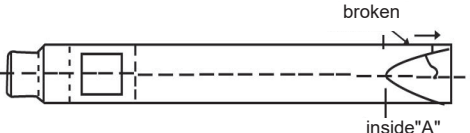
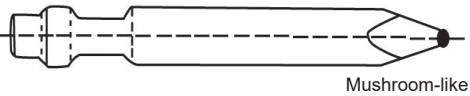
Once A or C meets the Rejected Dimension in below form, the Ring Bush must be replaced immediately.

Unit: mm

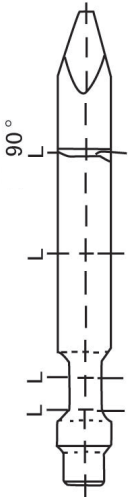
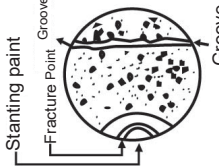
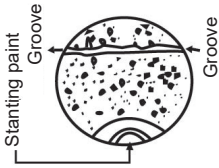
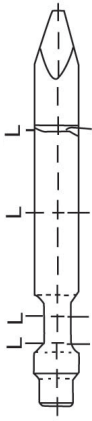
No.	Model	Measure at B	Original Dia. -A	Rejected Dia. -A	Original Height -C	Reject Height -C
1	EDDIE35	10	35	37	6.5	4.5
2	EDDIE40	10	40	42	8.75	6
3	EDDIE45	10	45	47	10.25	8
4	EDDIE53	10	53	55	8.5	6
5	EDDIE60	10	60	62	16.5	14
6	EDDIE68(A)	12	68	71	10.5	8
7	EDT430	12	75	78	13	10.5
8	EDDIE75(A)	12	75	78	18	15
9	EDDIE80(A)	12	80	83	18	15
10	EDDIE85(A)	12	85	88	22	19
11	EDDIE100(A)	15	100	104	17	14
12	EDDIE120	18	120	130	22	25
13	EDDIE125	15	125	129	31	28
14	EDDIE135	18	135.5	140	29	26
15	EDDIE135F	18	135.5	140	25	22
16	EDDIE140(A)	15	140	145	40	36
17	EDDIE150	20	150	155	32.5	29.5
18	EDDIE155	15	155	160	46	42
19	EDDIE160	15	160	166	34	30
20	EDDIE165	15	166	172	29.8	25.8
21	EDDIE175	20	176	182	53	48
22	EDDIE180	20	180.5	187	28	23
23	EDDIE185	20	185.5	192	57	52
24	EDDIE195	20	195.5	202	31	25
25	EDDIE200	20	201	210	30.5	25
26	EDDIE205	20	205.5	214	35	29
27	EDDIE210	20	210.5	219	35	29
28	EDDIE215	20	215.5	224	45	39
29	EDDIE220	20	220.5	230	35	29
30	EDDIE230	20	230.5	240	31	25
31	EDDIE248	20	248.5	257	30	27
32	EDDIE258	20	258.5	268	35	29

■ Warranty of Tool

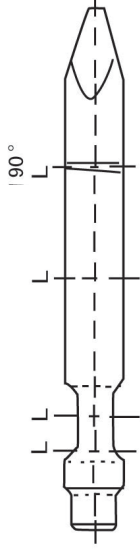
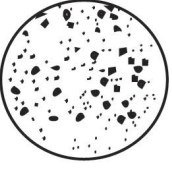
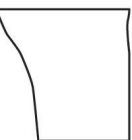
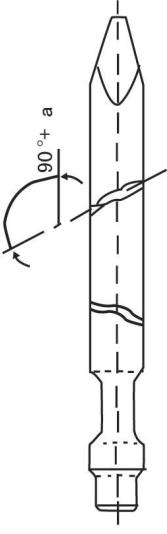
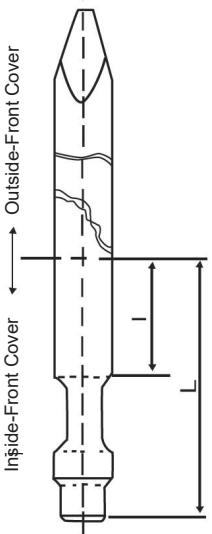
(1) Warranty Standard of Tool

NO.	Damage State	Warranty	Damage Reason & Contents
a		Free for compensation	● bad heat treatment: fracture from outside of tool centerline
b		Free for compensation	● bad material: fracture from tool centerline.
c		Chargeable (not compensable)	● damage and wear caused by blank firing
d		Chargeable (not compensable)	● inner parts wear off for continuous blank firing (eg. rod pin) ● wear occurs when strike force reaches rod pin during blank firing
e		Chargeable (not compensable)	● wrong operating method: waging from side to side when plugged into object, leveraged operating or not vertical tool operating
f		Free for compensation	● bad material or heat treatment ● damage reach into line A
g		Chargeable (not compensable)	● bad choice of tool and operating method ● damage reach into line A
h		Chargeable (not compensable)	● wrong operating method ● heat produced from prolonged strike(more than one minute) of unbreakable object makes tool material soft and tool looks like a mushroom shape.

(2) Warranty Assurance Standard Based on Fracture Face

NO.	Damage State	Fracture Face of Tool		Warranty	Reason of Fracture
a				Chargeable (not compensable)	- wrong operating method: waging from side to side when plugged into object or leveraged operating method - overbending of tool etc.
				Chargeable (not compensable)	- improper maintenance and operating method - insufficient lubrication - trace of deep scratch occurs where fracture begins
b				Free for compensation	- bad material - fracture occurs from the centre of tool
				Free for compensation	- bad material - bad heat treatment

(3) Warranty Standard Based on Fracture Face

NO.	Damage State	Fracture Face of Tool		Warranty	Reason of Fracture
c				Chargeable (not compensable)	● tool wags from side to side when plugged into object or leveraged operating method or foreign matter sinks in or insufficient oil injection ● defect or scratch from tool surface develops into inner fracture of tool
					
d				Chargeable (not compensable)	● improper operating method: waging from side to side when plugged into object or leveraged operating ● fracture occurs by way of tilting from centerline(90°+a)
				Free for compensation	● bad material and bad heat treatment
e				Chargeable (not compensable)	● improper maintenance and operating method ● surface defect develops into deep of tool fracture caused by serious surface defect of tool (eg. Scratch)

Gas Charging & Adjustment

■ Adjustment of the Pressure of Nitrogen Chamber

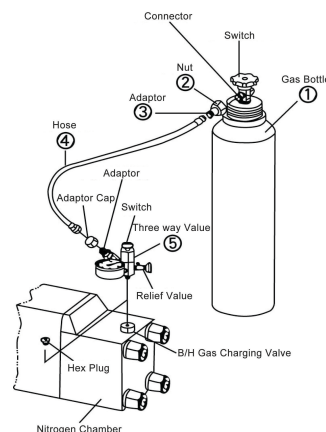
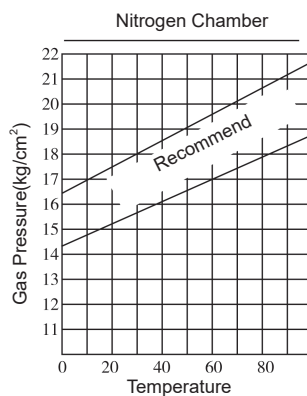
- 1) Under the normal temperature, the normal pressure range of the nitrogen is as shown in form.
- 2) The proper pressure of the breaker is already been adjusted when delivered from the factory, but the pressure still need to be checked before use.
- 3) The gas pressure should be checked once every two weeks.

■ The Method of Checking the Gas Pressure

- 1) Take off the plug anticlockwise, Tighten the three-way valve clockwise, Tighten the nitrogen gauge nut, the relief valve is closed.
- 2) Press down the switch on the three-way valve with your hand and read the nitrogen meter.
- 3) If the nitrogen is excessive, release the nitrogen from the relief valve of the three-way valve to make the nitrogen be standard.

■ The Method of Charging the Nitrogen Gas

- 1) Repeat the method of checking the gas pressure 1) and 2).
- 2) If the nitrogen is less, connect the high pressure hose of nitrogen to the high pressure hose port of the nitrogen meter and the port of the nitrogen bottle.
- 3) Press the switch of the three-way valve down, turn on the switch of the nitrogen bottle slowly counter-clockwise until the pressure of the nitrogen gauge to be normal.
- 4) Three times of charging and three times of release to ensure the purity of nitrogen.



Warning

- Do not remove the through bolts before release Nitrogen of back head.
- Only use the pure nitrogen, other air could cause the breaker work abnormally.
- The pressure of the nitrogen gas refer to the instruction manual.
- The gas pressure should be checked once every two weeks, change it if necessary.

■ The Pressure Range Setting of Nitrogen Chamber, Accumulator, and Relief Valve

Table 4:

Unit: kg/cm²

Item	EDDIE35 EDDIE40 EDDIE45	EDDIE53 EDDIE60 EDDIE68	EDDIE68A EDDIE75A EDDIE80A EDDIE85A	EDT430 EDDIE75 EDDIE80 EDDIE85	EDDIE100 EDDIE125	EDDIE100A	EDDIE120 EDDIE135
The pressure of the nitrogen chamber	16.5	16.5	16.5	16.5	16.5	16.5	6
The pressure of the accumulator			45-50			50-55	55-60
The pressure of the relief valve	140	160	180	180	200	200	220

Item	EDDIE135F	EDDIE140	EDDIE140A	EDDIE150 EDDIE160	EDDIE155	EDDIE165 EDDIE175	EDDIE180
The pressure of the nitrogen chamber	10	16.5	16.5	6	17	17	18.5
The pressure of the accumulator	55-60		55-60	55-60	55-60	55-60	60-65
The pressure of the relief valve	220	220	220	220	240	260	280

Item	EDDIE185	EDDIE195 EDDIE200	EDDIE205	EDDIE210 EDDIE220	EDDIE215 EDDIE230	EDDIE248 EDDIE258
The pressure of the nitrogen chamber	18.5	23	22	23	25	20
The pressure of the accumulator	65-70	70-75	70-75	70-75	70-75	70-75
The pressure of the relief valve	280	330	350	350	350	350

■ The Adjustment of Accumulator Pressure

The normal range of accumulator pressure at the normal temperature is as shown in the form .

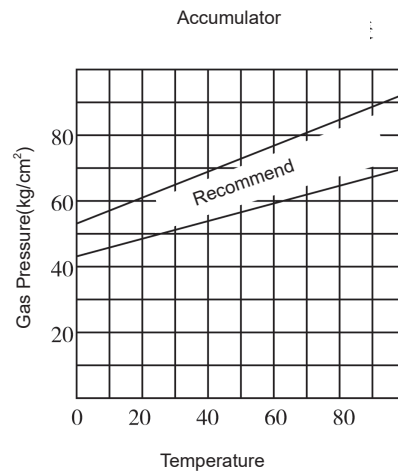
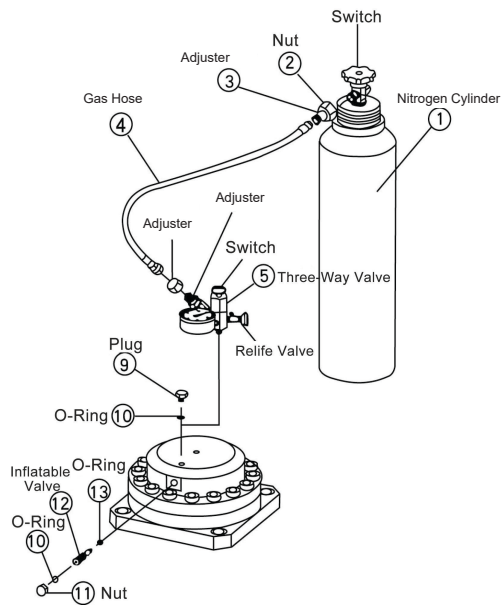


Warning

- Do not remove the accumulator cover before the accumulator is deflated.
- Only use the pure nitrogen, other air could cause the breaker work abnormally.
- The charging pressure:55-60bar.
- The gas pressure should be checked once a week, contact the dealer if necessary.

■ The Method of Checking the Gas Pressure (As show in the figure)

- 1) Remove the plug ⑨ on the accumulator counterclockwise, tighten the nitrogen meter clockwise. Tighten the nut of nitrogen meter. Close the relief valve.
- 2) Remove the accumulator nut ⑪ counterclockwise. Turn the charge valve counterclockwise until the pointer of the nitrogen meter move. Check the nitrogen meter.
- 3) If the nitrogen is excessive, release the nitrogen from the relief valve of the nitrogen meter to make the nitrogen be standard.
- 4) Switch off valve clockwise and tighten the nut ⑪.



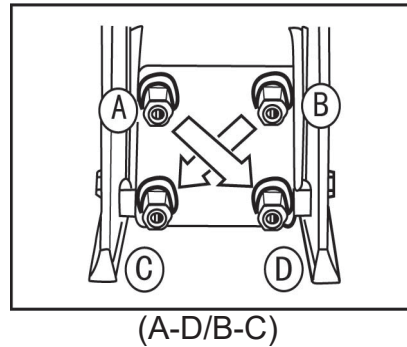
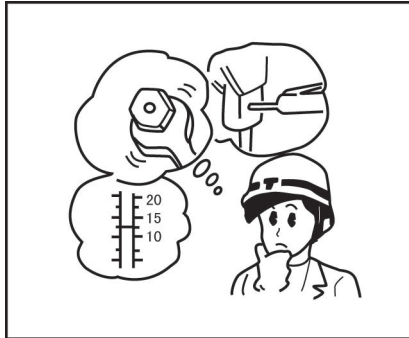
■ The Method of Charging the Nitrogen Gas (As show in the figure)

- 1) Repeat the method of checking the gas pressure 1) and 2).
- 2) If nitrogen is less, connect the hose of nitrogen to the connector of the nitrogen meter and the gas cylinder (As show in the figure)
- 3) Turn on the switch of the gas cylinder slowly counterclockwise until the pressure of the nitrogen gauge to be normal.
- 4) Turn off the charging valve clockwise, tighten the nut.



When you replace two or more through bolts or disassemble the breaker, you should release the nitrogen of the nitrogen chamber.

Maintenance



■ Inspection Items

Checking	Checking before Operation	Regular Checking	Remarks
Whether the nuts are loose	0	0	
Whether the hydraulic oil is dirty, and sufficient	0	0	
Whether the oil is leaked	0	0	
Whether the hydraulic hoses are damaged	0	0	
Injecting lubricating grease	0	0	
Whether the tools and rod pins are damaged	0		
The pressure of Nitrogen chamber	once every two weeks	0	Table 4
The pressure of Accumulator	once a month	0	

■ All Bolts and Nuts

Before working, please check whether the nuts are loose. If the nuts are loose, it will influence the normal work of bolts, so that it will cause abnormal operation of hydraulic breaker. Besides, please tighten them according to specified torque regularly.

From 5

Breaker Main Body: bolts, nuts and plug tightening torque standards						
Bolts and Nuts Size	Tool Size (mm)	First Torque (N•m)	Second Torque (N•m)	Third Torque (N•m)	comment1	comment2
M18XP1.5	27	262.5	350		EDDIE35	Through Bolt (EDDIE100 and above models need to be coated with anti-seize agent)
M20XP1.5	27	262.5	350		EDDIE40	
M22XP1.5	30	262.5	350		EDDIE45	
M24XP2.0	36	300	400		EDDIE53/EDDIE60	
M27XP2.0	41	375	500		EDDIE68	
M30XP2.0	46	562.5	750		EDT430	
M30XP2.0	46	637.5	850		EDDIE75/80	
RD32XP3.175	50	800	1100		EDDIE85	
M33XP3.0	50	800	1100		EDDIE85 (Hexagon nut without half-round part)	
RD36XP3.175	55	1200	1500		EDDIE120	
RD39XP3.175	55	1200	1500		EDDIE100	
M39XP3.0	55	1500	2000		EDDIE100 (Hexagon nut without half-round part)	
RD42XP3.175	65	750	1750	2500	EDDIE125/125P	
RD42XP4.233	65	750	1750	2500	EDDIE135/135F	
M48X3.0	70	840	1960	2800	EDDIE135P	
RD48XP4.233	70	840	1960	2800	EDDIE150	
RD52XP3.175	75	900	2100	3000	EDDIE140/140A	
RD52XP4.233	75	900	2100	3000	EDDIE160	
RD56XP3.175	75	1350	3150	4500	EDDIE155	For EDDIE185 and above, manual pre-tightening should be carried out first.
RD58XP3.175	85	1350	3150	4500	EDDIE165/175/180	
RD62XP4.233	90	2100	4900	7000	EDDIE185	
RD65XP4.233	95	2100	4900	7000	EDDIE195	
RD70XP4.233	105	2100	4900	7000	EDDIE200/205/210/220	
RD78XP4.233	115	2250	5250	7500	EDDIE230	
RD85XP4.233	115	2400	5600	8000	EDDIE248/258	Valve Regulator Nut
RD88XP4.233	120	2400	5600	8000	EDDIE300	
M16XP1.5	24		270			
M18XP1.5	27		300			
M20XP1.5	30		300			
M22XP1.5	34		300			
M24XP2.0	36		350			
M27XP1.5	46		600			
M33XP2.0	55		700			
M36XP2.0	65		700			

PF 1	41		350		Add thread fastening glue.	Valve Base Hex.
PF 1 1/4	50		1000		Add thread fastening glue.	
PF1/2-PF1/2	27		200			Screwed Adapter
PT3/4-PF3/4	36		280			
PF3/4-PF3/4	36		280			
PT1-PF1	40		350			
PF1-PF1	40		350			
PF 1 1/4-PF1	50		350			
PF 1 1/2-PF1	55		350			
PT 1 1/4-PF1 1/4	55		350			
PF 1 1/2-PF1 1/4	55		350			
PT1/4	14		55		Add thread fastening glue.	PT1/4Grease Fitting
PF1/2	27		200		PF1/2 Air Check Valve B/H Charging Valve	Check Valve B/H Charging Valve Accumulator Valve Plug and Nuts
PF7/8	41		300		PF7/8 Air Check Valve (Use Threadlocker)	
M10XP1.0	19		65		Accumulator Hex. Plug	
M12XP1.25	22		105		Accumulator Charging Valve Cover	
M16XP1.5	30		170			
M20XP2.0	41		400			

Spec.	Hex. Head Cap Screw Size (mm)	First Torque (N•m)	Second Torque (N•m)	Third Torque (N•m)	comment1	comment2
PT1/4	6L		50			Socket Plug
PT3/8	8L		100			
PT1/2	10L		200			
PT1	17L		600			
PF1/8	5L		30			
PF1/4	6L		50			
PF3/8	8L		100			
PF1/2	10L		200		For EDDIE155 and above models, thread fastening glue is required at the end of the cylinder body.	
PF3/4	12L		320			
PF1	17L		600		Add thread fastening glue.	
PF 1 1/4	17L		1000		Add thread fastening glue.	
PF 1 1/2	22L		1200		Add thread fastening glue.	
PF 1 3/4	22L		1500		Add thread fastening glue.	
PF 2 1/4	27L		1500		Add thread fastening glue.	
M27XP2.0	12L		400		Add thread fastening glue.	
M36XP3.0	14L		600		Add thread fastening glue.	
M39XP3.0	17L		800		Add thread fastening glue.	

M12	10L	90	110			Oil inlet and outlet flanges, main valve and accumulator (EDDIE175 and above models, need to apply hydraulic oil)
M14XP1.5	12L	150	200			
M14	12L	150	200			
M16XP1.5	14L	220	300			
M18XP1.5	14L	300	400			
M20	17L	500	700			
M24	19L	300	700	1000	Suitable for accumulator cover bolts	
M24	19L	300	700	1000	Suitable for valve housing and accumulator body bolts	
M27	19L	300	700	1000	Suitable for accumulator cover bolts	
M30XP2.0 M30	22L	390	910	1300	Suitable for accumulator body bolt	
M30	22L	300	700	1000	Suitable for accumulator cover bolts	
M30	22L	450	1050	1500	Suitable for accumulator body and valve cover bolts	
M36	27L	600	1400	2000	Suitable for valve housing and accumulator body bolts	
M39	27L	600	1400	2000	Suitable for accumulator body bolt	
M48	36L	900	2100	3000		
Note: 1. When a single bolt is tightened, it needs to be tightened once. When the bolt group is tightened, it needs to be tightened twice. 3. The bolt torque error must be less than $\pm 10\%$ of the standard torque value.						

Breaker Frame: bolt and nut tightening torque standards					
Bolts and Nuts Size	Tool Size (mm)	First Torque (N•m)	Second Torque (N•m)	Part1	Part2
M16*P2.0	24	180	270	EDDIE35/40	Side Bolt
M20*P2.5	30	345	520	EDDIE45/53	
M27*P2.0	41	750	1000	EDDIE68(A)/75(A)/80(A)/EDT430	
M30*P2.0	46	1000	1500	EDDIE85(A)	
M36*P3.0	55	1000	1500	EDDIE100(A)	
RD42*P3.175	65	1500	2000	EDDIE125	
RD48*P3.175	75	2250	3000	EDDIE135/135F/140/EDDIE150	
RD56*P3.175	85	3375	4500	EDDIE155/160/165	
RD60*4.233	85	4125	5500	EDDIE175/180/185	
RD65*4.233	95	5250	7000	EDDIE195	
RD70*4.233	105	6000	8000	EDDIE200/205/210/215/220	
RD78XP4.233	115	6000	8000	EDDIE230/248/258/300	
Bolts and Nuts Size	Tool Size (mm)	First Torque (N•m)	Second Torque (N•m)	Part1	Part2
M14	21	150	200	EDDIE40/45/53	Switcher Bolt
M20	30	390	520	EDDIE68(A)/75(A)/80(A)/85(A)/100(A)/EDT430	
M24	36	900	1200	EDDIE125/135/135F/140	
M30	46	1350	1800	EDDIE150/155/160/165	
M36	55	2325	3100	EDDIE175/180/185/195/200	
M42	65	3225	4300	EDDIE205/210/215/220/230	
M48	75	4875	6500	EDDIE248/258	
Bolts and Nuts Size	Tool Size (mm)	First Torque (N•m)	Second Torque (N•m)	Part1	Part2
M10	16	42	60	EDDIE40~80(A)	Cover Plate Bolt
Bolts and Nuts Size	Hex. Head Cap Screw Size (mm)	First Torque (N•m)	Second Torque (N•m)	Part1	Part2
M14	12L	75	100	EDDIE85/100/125	Cover Plate Bolt
M20	17L	350	400	EDDIE135 and Above	

Note:1. Tighten a single bolt, which needs to be tightened once. When the bolt group is tightened, it needs to be tightened twice. The error of the torque value is less than $\pm 10\%$ of the standard value.

2. For EDDIE155 and above models, the frame bolts must be coated with anti-seize agent and lubricating oil.

3. For the frame bolts of EDDIE100 to EDDIE150, and the mounting head bolts of all models, application of thread glue is required.

4. The shell bolts and the rotating head bolts need to be rechecked with a secondary locking torque after being tightened.

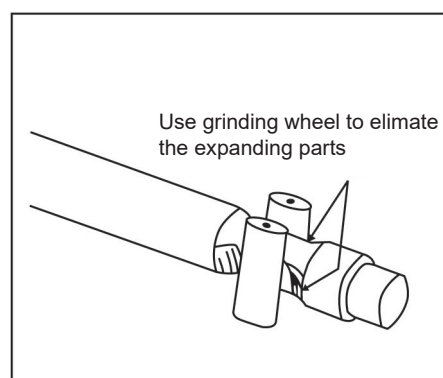
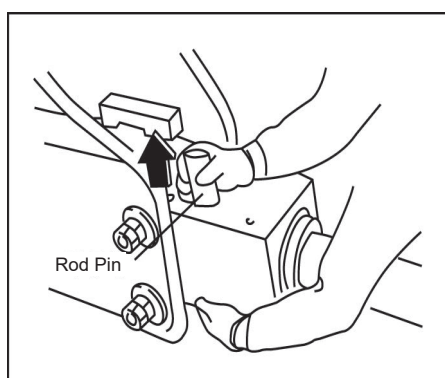
Maintenance

■ Checking Whether the Rod Pins are Damaged

If the rod pins are damaged, the chips will be stuck in the surface of piston or cylinder when the hydraulic breaker is working. Make sure to check it before operation.

■ Tool and Rod Pins

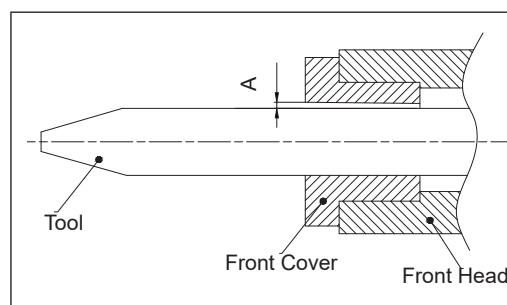
If the pressure is not enough, or the working objects are fragile when the breaker is working, the tool and rod pins will be deformed and expanded. During inspection, please use grinding wheel to polish in order to eliminate the expanding parts, or use the rod pin in return.



■ Tool and Front Cover

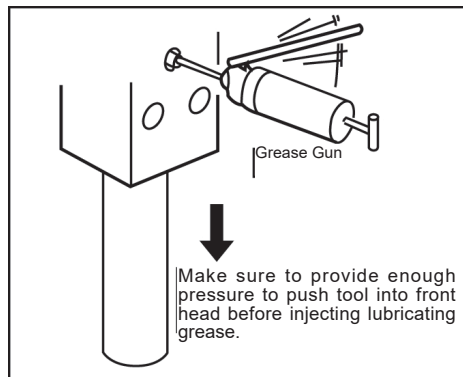
If the gap between tool and front cover is oversized, it will cause eccentric wear of piston and tool, and lead to their unsteady contact, furtherly cause the damage of piston and tool, and the toolturn fragile. When the gap is oversized, the front cover must be replaced. Detailed standards of replacement are as follows:

Model	Gap A(mm)
EDDIE35-EDDIE60	≥ 5
EDDIE68(A)-EDDIE85(A)	≥ 6
EDDIE100-EDDIE258	≥ 8



■ Injecting Lubricating Grease

Before working or every two hours: Push tool into front head. Inject lubricating grease from the grease nipple. Referred injection is 5-20 times. The bigger model, the more injection.



Warning

Be sure to make hydraulic breaker standing, and push tool into front head before injecting lubricating grease to prevent the grease to enter the piston impact chamber.

■ Hydraulic Oil

Check the hydraulic oil capacity in oil tank timely, Please replenish the oil in time if it is insufficient. Please keep the hydraulic oil clean.

If the hydraulic oil is polluted, it will cause the impeded working of control valve and do harm to the breaker.

Hydraulic oil	
Winter	Summer
46#	68#
Please use well-known brand oil	



Warning

Please use the same hydraulic oil produced by one company, if different oil is mixed, there will be chemical reaction.

■ Oil Leakage

Check the main body of breaker, accumulator and pipe kits of hydraulic oil to find whether there's any leakage or not.

It is normal that oil impregnate slightly at the connecting parts between front head and chisel, it lubricates tool.

There is oil leaks in the breaker, please replace the O-ring and/or oil seal on the leaking parts.

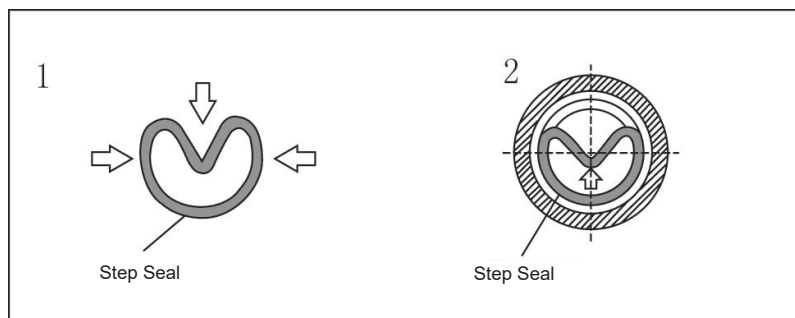
Please replace oil step seal(s) by following procedures below:

1. Apply lubricating oil on seal retainer, oil seal and other needed parts.

2. Put O-ring in the groove inside seal retainer.

3. Fold oil seal by hand (as shown in the figure 1), please note not to fold too much to break the oil seal.

4. Put the oil seal in the groove inside the seal retainer. Push the folded part from inside to make it recover (as shown in the figure 2).



Warning

- If oil seals is broken, please check carefully whether there are scratches on surface of cylinder and/or piston.
- Check carefully to make sure no chips of broken oil seal remain inside of cylinder.

Trouble-shooting

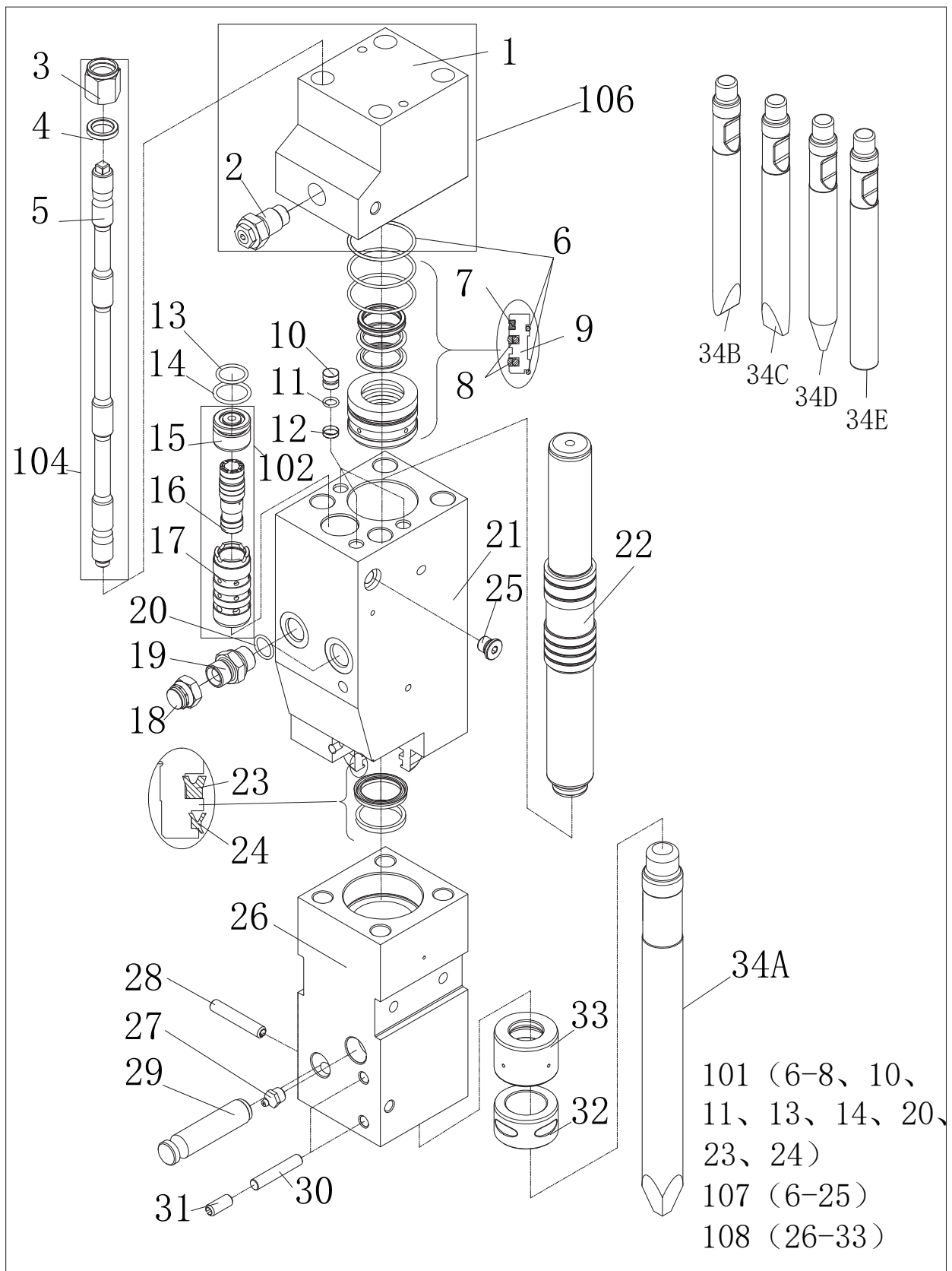
■ Please check again before the breaker is sent to be serviced.



Warning: Nitrogen gas must be released before disassembling the breaker.

Failure	Cause	Required action
Low impact power	1.Low engine speed. 2.Low nitrogen gas pressure of back head. 3.Low nitrogen gas pressure of accumulator. 4.Wrong pressure setting or adjustment of relief valve. 5.Failure of chisel.	1.Re-adjust engine speed controller. 2.Check nitrogen gas pressure, re-fill gas if it is released. 3.Check nitrogen gas pressure, re-fill gas if it is released. 4.Re-set or re-adjust pressure of relief valve. 5.Smoothen the scored parts of tool, front cover and ring bush by using abrasive paper or grinder.
No strikes	1.Wrong pressure adjustment of relief valve. 2.Excessive nitrogen gas pressure of back head. 3.Hydraulic oil enter to back head chamber. 4.Damage of piston, cylinder or valves. 5.High and low pressure hoses connected reversly. 6.Stop valve is closed or not fully opened. 7.Hydraulic fluid level is excessively low.	1.Re-adjust valve adjuster. (see attached Table 4) 2.Re-adjust nitrogen gas pressure in back head. (see attached Table 4) 3. Replace Gas Seal. 4.In case of a slight scratch, smoothen the scored surface by using abrasive paper or grinder. Replace the damaged part(s) if needed. 5.Reconnect hydraulic hose. 6.Open stop valve(s). 7.Fill hydraulic oil.
Irregular impact	1.Excessive nitrogen gas pressure of back head. 2.Low hydraulic oil pressure. 3.Damage of chisel and/or front cover. 4.Damage of piston, cylinder or valve(s). 5.Excessive pressure of hydraulic oil returning hose. 6.Excessive temperature of hydraulic oil. 7.Low pressure of relief valve. 8.Lack of hydraulic oil.	1.Release gas till standard pressure. 2.Re-adjust pressure of relief valve. 3. In case of a slight scratch, smoothen the scored parts of chisel and front cover by using abrasive paper or grinder. Replace the damaged part(s) if needed. 4. In case of a slight scratch, smoothen the scored surface by using abrasive paper or grinder. Replace the damaged part(s) if needed. 5.Check filter element and cooler, clean or replace the unit. 6.Clean or replace cooler, or replace hydraulic oil in higher viscosity. 7.Re-adjust pressure of relief valve till standard pressure. 8.Fill hydraulic oil.
Gas leakage (rapidly leaking is abnormal) 1.Gas leaking from gas charging valve. 2.Gas leaking from adjuster valve. 3.Gas leaking from the connecting surface between cylinder and back head. 4.Gas leaking from gas seal.	1.O-ring for charging valve is damaged. 2.O-ring for adjuster valve is damaged. 3.O-ring for back head is damaged. 4.Gas seal is damaged. (After plucking out oil returning hose, if bubbles can be found in hydraulic oil, it means the gas seal is damaged)	1.Replace. 2.Replace. 3.Replace. 4.Replace.

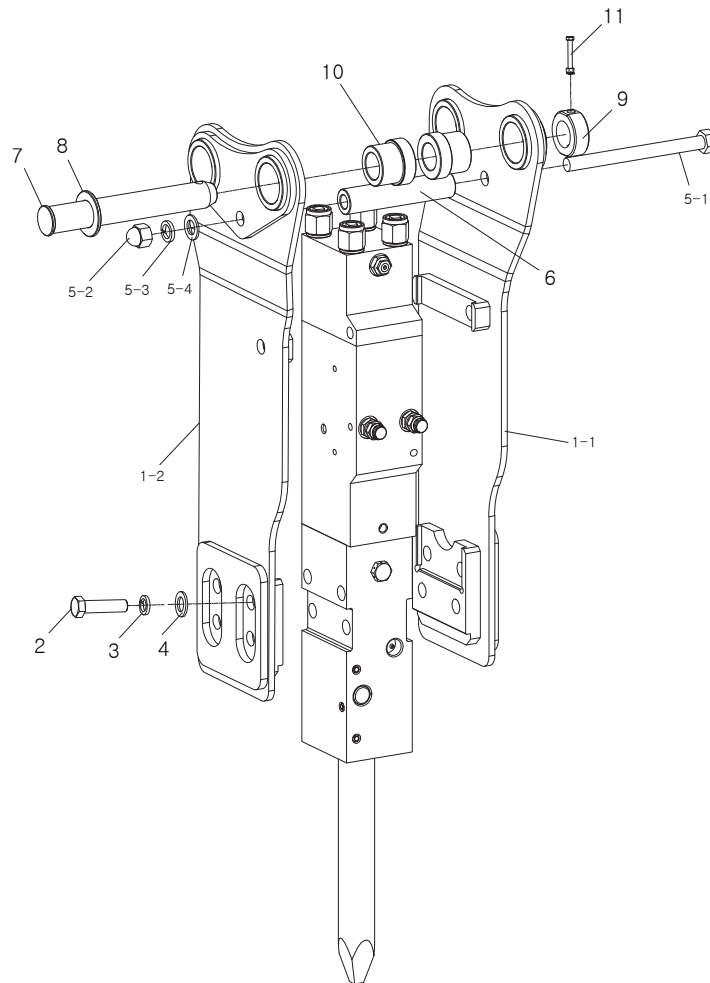
EDDIE35 MAIN BODY PARTS



EDDIE35 MAIN BODY PARTS LIST

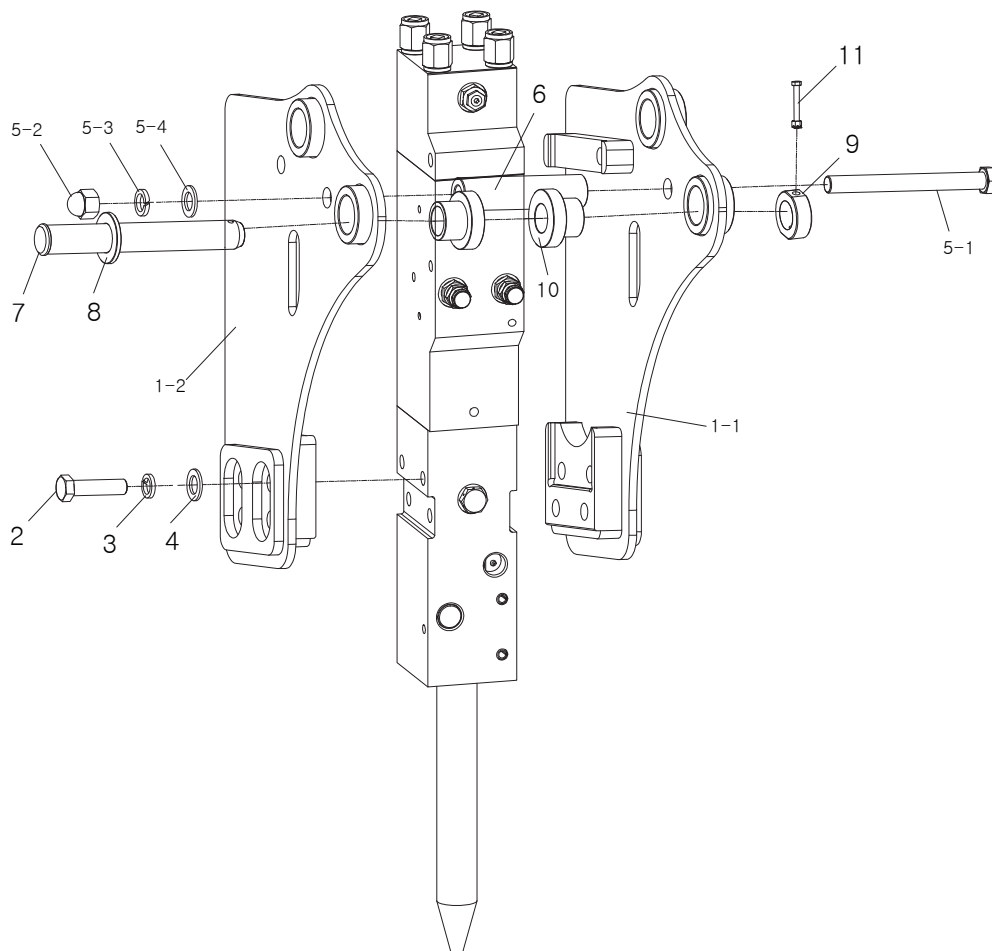
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00J07BH	Back Head	1	
2	BHCVBF08	B/H Charging Valve	1	
3	0J100TBHN	Through Bolt Hex. Nut	4	NSS
4	0J100TBW	Through Bolt Washer	4	NSS
5	0J100TB	Through Bolt	4	NSS
6	SBG055	O-ring	3	NSS
7	SCG037	Gas Seal	1	NSS
8	SCS037	Step Seal	2	NSS
9	00J07SR	Seal Retainer	1	
10	00J07PB	Plug Bush	3	NSS
11	SBP009	O-ring	3	NSS
12	00J07CP	Cover Plate	3	
13	SBP018	O-ring	1	NSS
14	SBP026	O-ring	1	NSS
15	0J100VC	Valve Cap	1	NSS
16	0J100V	Valve	1	NSS
17	0J100VS	Valve Sleeve	1	NSS
18	ACFBF08	Adapter Cap	2	
19	SABFF08	Screwed Adapter	2	
20	SBP018	O-ring	2	NSS
21	00J07CY	Cylinder	1	
22	00J07P	Piston	1	
23	SCUP040	U-Packing	1	NSS
24	SCD040	Dust Seal	1	NSS
25	SPBF04	Socket Plug	1	
26	00J07FH-X1	Front Head	1	
27	GNBT04	Grease Nipple	1	
28	SP1060	Spring Pin	1	
29	0J100RP	Rod Pin	1	
30	0J100SP	Stop Pin	2	
31	SP1025	Spring Pin	2	
32	00J07FC-X1	Front Cover	1	
33	00J07RB-X1	Ring Bush	1	
34A	00J07T-M	Tool-M Type	1	
34B	00J07T-V	Tool-V Type	1	
34C	00J07T-H	Tool-H Type	1	
34D	00J07T-C	Tool-C Type	1	
34E	00J07T-B	Tool-B Type	1	
101	00J07S-AS	Seal Kit	1	
102	0J100V-AY	Valve Assy	1	
104	0J100TB-AY	Through Bolt Assy	4	
105A	0J100TLB-ST	Tool Box Assy-ST	1	
105B	0J100TLB-B	Tool Box Assy-B	1	
106	00J07BH-AY	Back Head Assy	1	
107	00J07CY-AY	Cylinder Assy	1	
108	00J07FH-X1-AY	Front Head Assy	1	

EDDIE35T



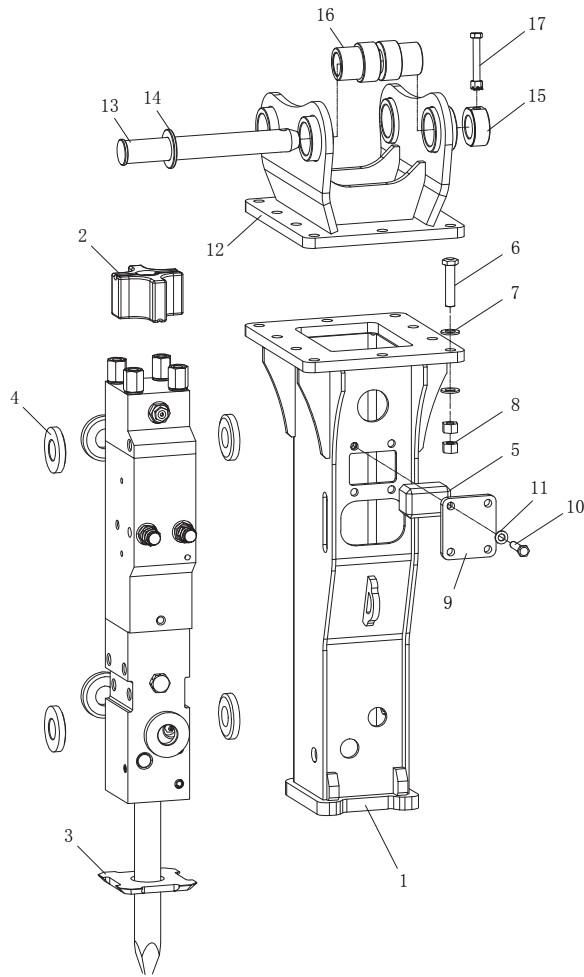
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E35F-H	Frame	1	
2	HBM1660	Hex bolt	10	
3	SW16	Spring Washer	10	
4	W16	Washer	10	
5	HM20XXX-AY	Side Bolt-AY	1	5-1/5-2/5-3/5-4
6	E35TB-H	Tie Bush	1	
7	E35MP	Mount Pin	2	
8	E35MPR	Mount Pin Ring	2	
9	E35MPS	Mount Pin Stopper	2	
10	E35MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE35S



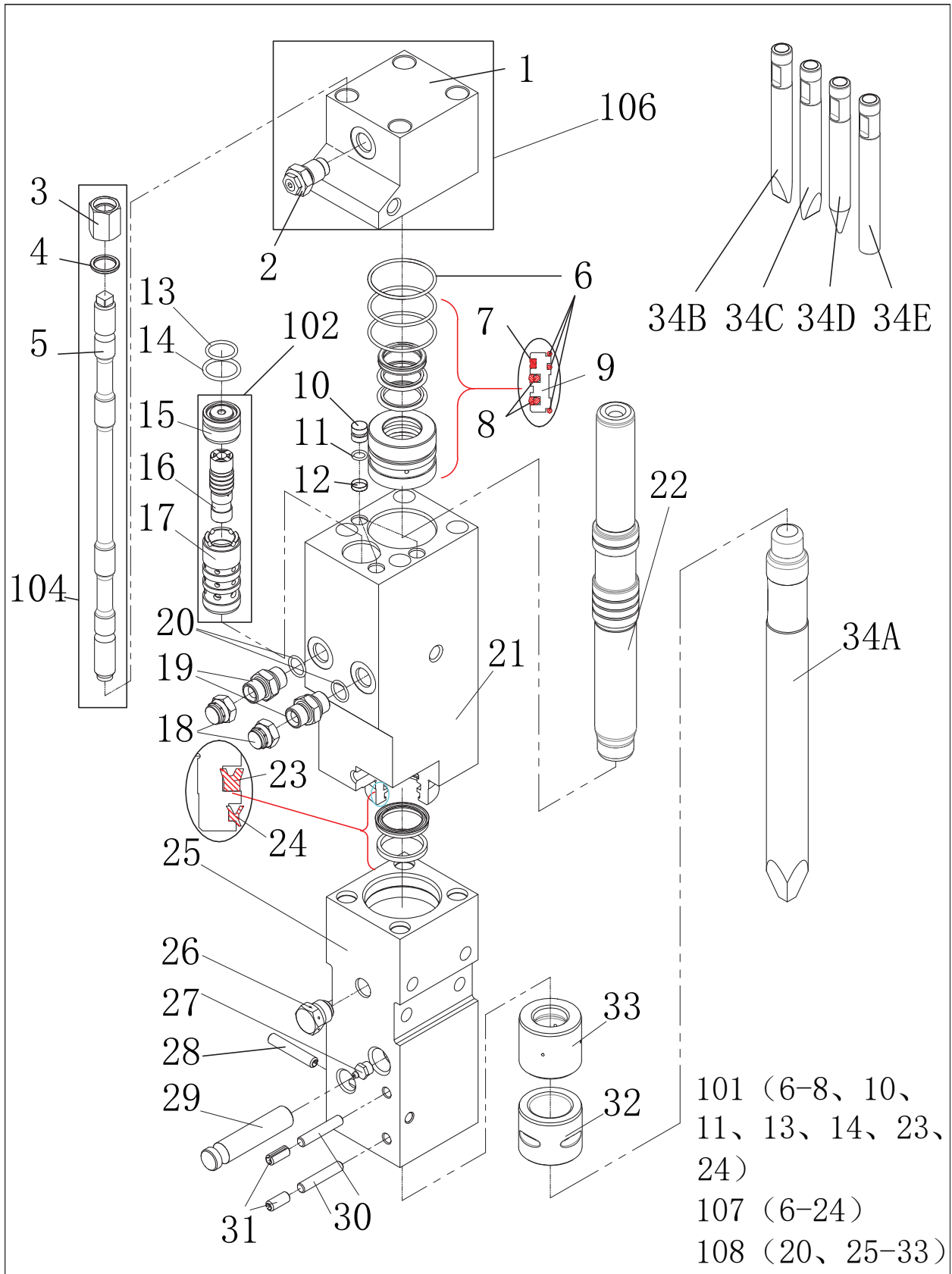
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E35F-S	Frame	1	
2	HBM1660	Hex bolt	10	
3	SW16	Spring Washer	10	
4	W16	Washer	10	
5	HM20XXX-AY	Side Bolt-AY	1	5-1/5-2/5-3/5-4
6	E35TB-S	Tie Bush	1	
7	E35MP	Mount Pin	2	
8	E35MPR	Mount Pin Ring	2	
9	E35MPS	Mount Pin Stopper	2	
10	E35MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE35B



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E35F-B20	Frame	1	
2	E35CRD	Cross Damper	1	
3	E35BLD	Below Damper	1	
4	E35SDA	Side Damper A	7	
5	E35SDB	Side Damper B	1	
6	HBM1465	Hex bolt	10	
7	W14	Washer	20	
8	HN14	Hex.Nut	20	
9	E35CV	Cover Plate	1	
10	HBM1030	Hex bolt	4	
11	F10	Washer	4	
12	E35MC-B	Mount Cap	1	
13	E35MP	Mount Pin	2	
14	E35MPR	Mount Pin Ring	2	
15	E35MPS	Mount Pin Stopper	2	
16	E35MPB	Mount Pin Bush	4	
17	HBWH-AY	Hex bolt With Hole Assy	2	

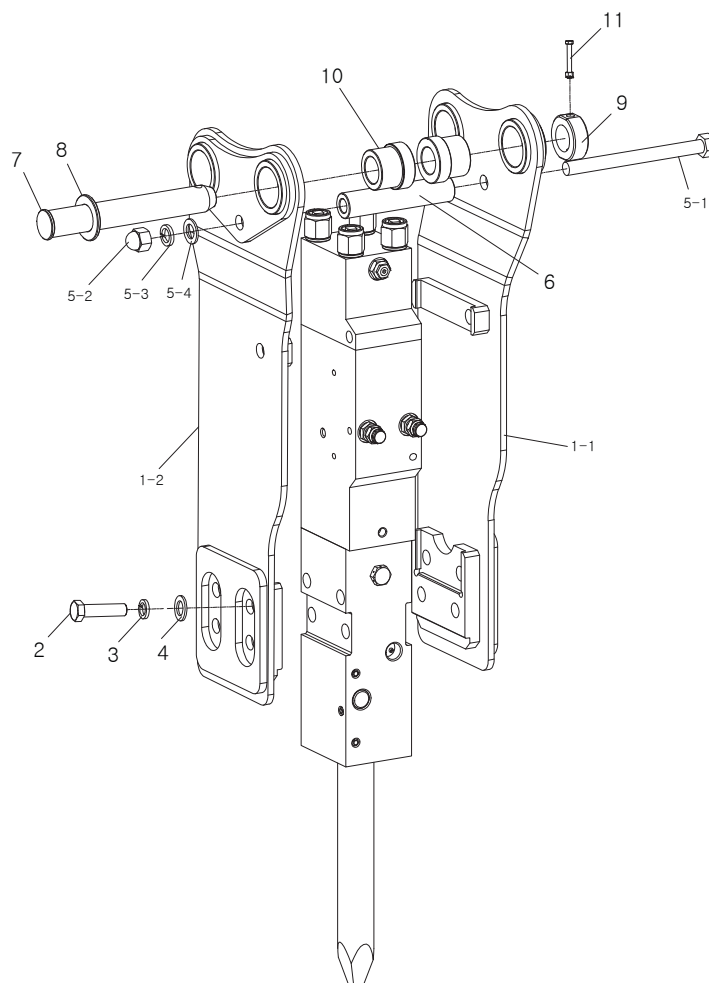
EDDIE40 MAIN BODY PARTS



EDDIE40 MAIN BODY PARTS LIST

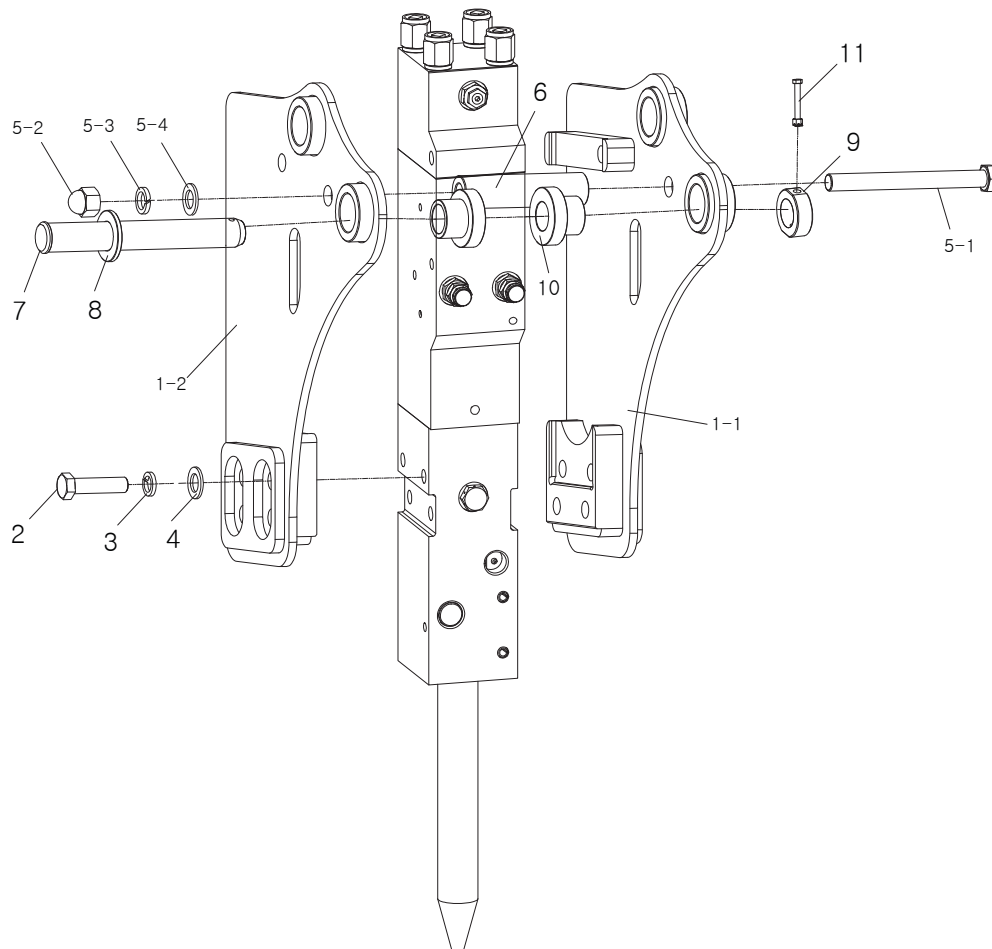
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00100BH-X2	Back Head	1	
2	BHCVBF08	B/H Charging Valve	1	
3	00100TBHN	Through Bolt Hex. Nut	4	NSS
4	00100TBW	Through Bolt Washer	4	NSS
5	00100TB	Through Bolt	4	NSS
6	SBG060	O-ring	4	NSS
7	SCG037	Gas Seal	1	NSS
8	SCS037	Step Seal	2	NSS
9	00100SR-A	Seal Retainer	1	
10	00100PB	Plug Bush	3	NSS
11	SBP011	O-ring	3	NSS
12	00100CP	Cover Plate	3	
13	SBG025	O-ring	1	NSS
14	SBP030	O-ring	1	NSS
15	00100VC	Valve Cap	1	NSS
16	00100V	Valve	1	NSS
17	00100VS	Valve Sleeve	1	NSS
18	ACFBF08	Adapter Cap	2	
19	SABFF08	Screwed Adapter	2	
20	SBP018	O-ring	2	NSS
21	00100CY	Cylinder	1	
22	00100P	Piston	1	
23	SCUP040	U-Packing	1	NSS
24	SCD040	Dust Seal	1	NSS
25	00100FH-X2	Front Head	1	
26	ACVBF08-2	Air Check Valve	1	
27	GNBT04	Grease Nipple	1	
28	SP1060	Spring Pin	1	
29	00100RP	Rod Pin	1	
30	00100SP-X1	Stop Pin	2	
31	SP1335	Spring Pin	2	
32	00100FC-X1	Front Cover	1	
33	00100RB-X1	Ring Bush	1	
34A	00100T-M-X1	Tool-M Type	1	
34B	00100T-V-X1	Tool-V Type	1	
34C	00100T-H-X1	Tool-H Type	1	
34D	00100T-C-X1	Tool-C Type	1	
34E	00100T-B-X1	Tool-B Type	1	
101	00100S-SR-A	Seal Kit	1	
102	00100V-AY	Valve Assy	1	
104	00100TB-AY	Through Bolt Assy	4	
105A	00100TLB-ST	Tool Box Assy-ST	1	
105B	00100TLB-B	Tool Box Assy-B	1	
106	00100BH-X2-AY	Back Head Assy	1	
107	00100CY-AY	Cylinder Assy	1	
108	00100FH-X2-AY	Front Head Assy	1	

EDDIE40T



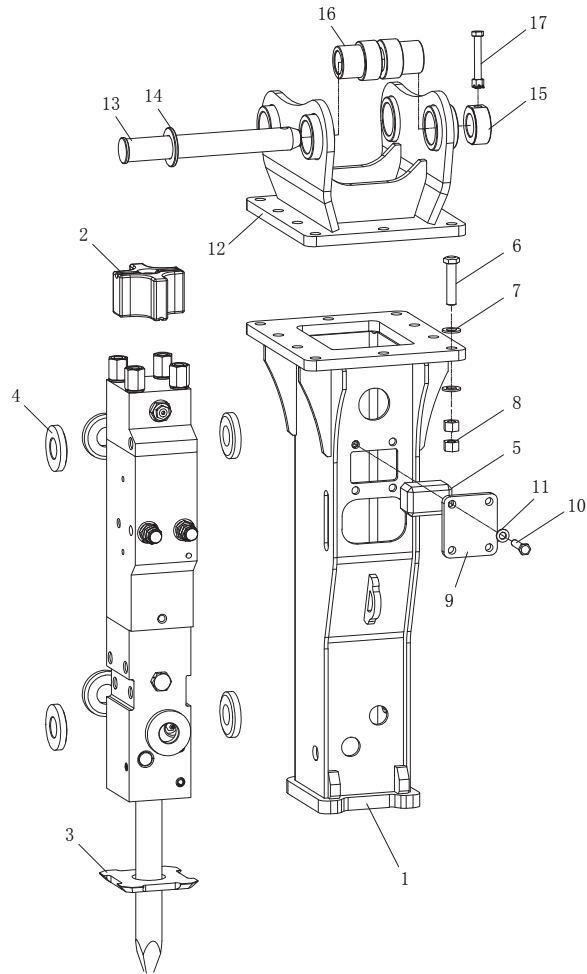
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E40F-H	Frame	1	
2	HBM1660	Hex bolt	10	
3	SW16	Spring Washer	10	
4	W16	Washer	10	
5	HM20XXX-AY	Side Bolt-AY	1	5-1/5-2/5-3/5-4
6	E40TB-H	Tie Bush	1	
7	E40MP	Mount Pin	2	
8	E40MPR	Mount Pin Ring	2	
9	E40MPS	Mount Pin Stopper	2	
10	E40MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE40S



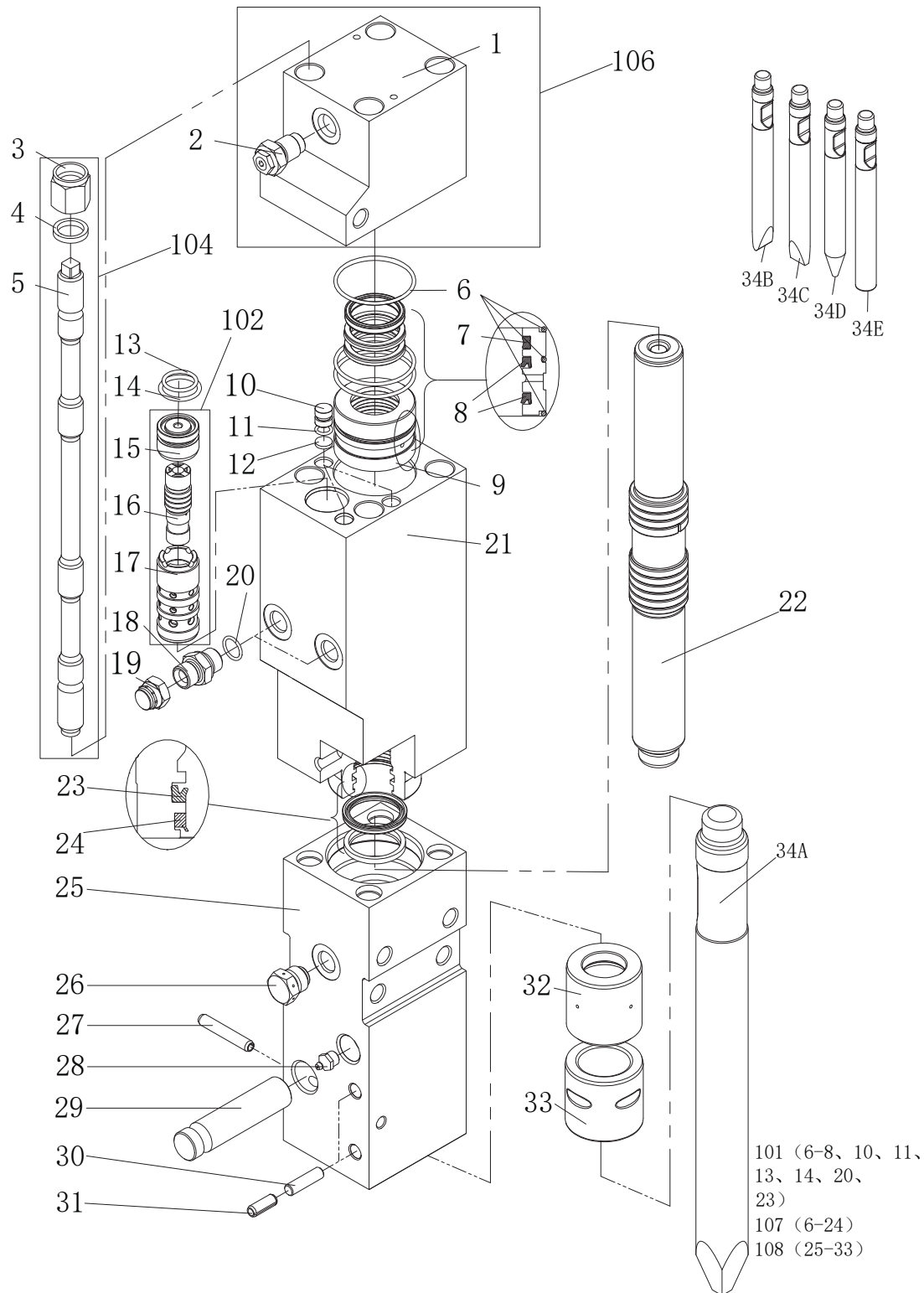
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E40F-S	Frame	1	
2	HBM1660	Hex bolt	10	
3	SW16	Spring Washer	10	
4	W16	Washer	10	
5	HM20XXX-AY	Side Bolt-AY	1	5-1/5-2/5-3/5-4
6	E40TB-S	Tie Bush	1	
7	E40MP	Mount Pin	2	
8	E40MPR	Mount Pin Ring	2	
9	E40MPS	Mount Pin Stopper	2	
10	E40MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE40B



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E40F-B20	Frame	1	
2	E40CRD	Cross Damper	1	
3	E40BLD	Below Damper	1	
4	E40SDA	Side Damper A	7	
5	E40SDB	Side Damper B	1	
6	HBM1465	Hex bolt	10	
7	W14	Washer	20	
8	HN14	Hex.Nut	20	
9	E40CV	Cover Plate	1	
10	HBM1030	Hex bolt	4	
11	F10	Washer	4	
12	E40MC-B	Mount Cap	1	
13	E40MP	Mount Pin	2	
14	E40MPR	Mount Pin Ring	2	
15	E40MPS	Mount Pin Stopper	2	
16	E40MPB	Mount Pin Bush	4	
17	HBWH-AY	Hex bolt With Hole Assy	2	

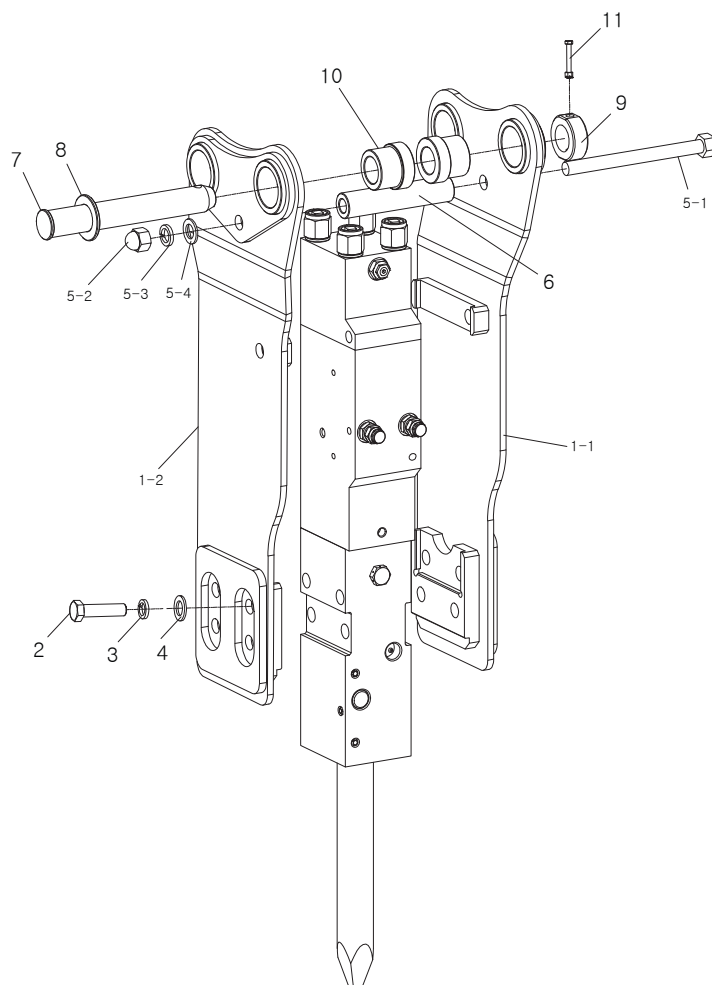
EDDIE45 MAIN BODY PARTS



EDDIE45 MAIN BODY PARTS LIST

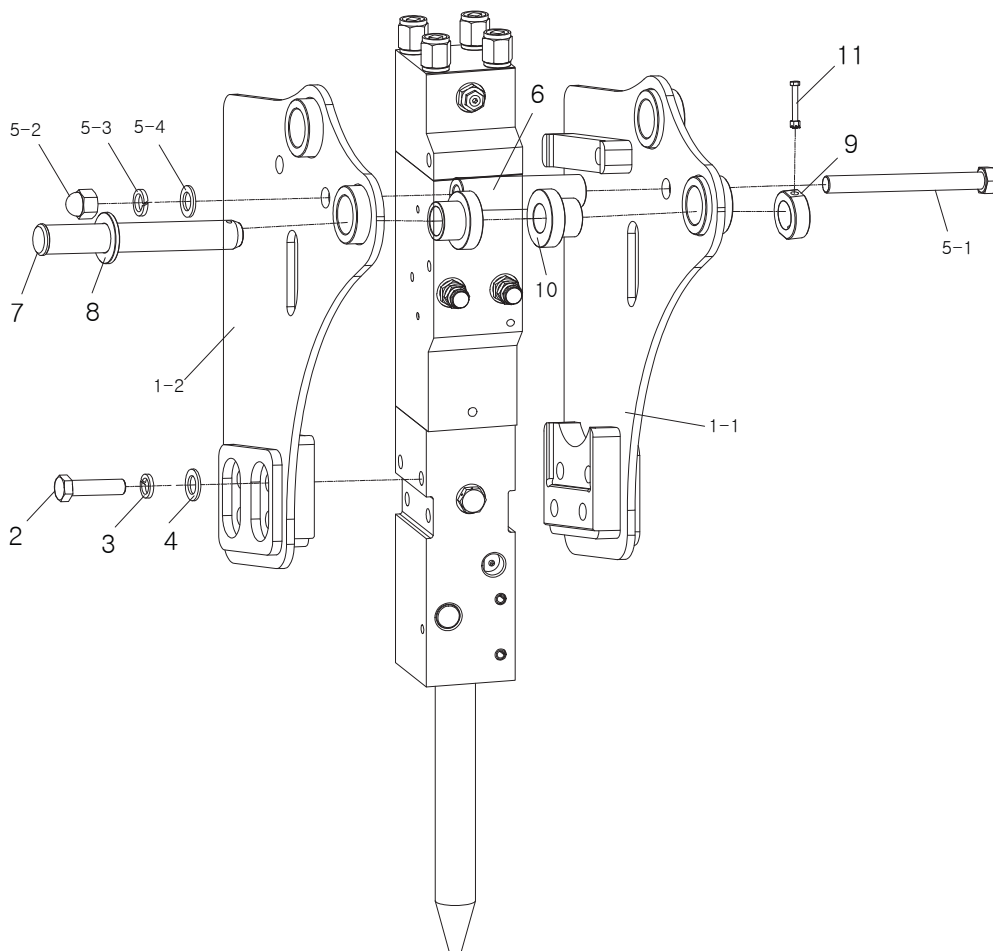
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00200BH-X2	Back Head	1	
2	BHCVBF08	B/H Charging Valve	1	
3	00200TBHN	Through Bolt Hex. Nut	4	NSS
4	00200TBW	Through Bolt Washer	4	NSS
5	00200TB	Through Bolt	4	NSS
6	SBG065	O-ring	4	NSS
7	SCG042	Gas Seal	1	NSS
8	SCUP042	U-Packing	2	NSS
9	00200SR-A	Seal Retainer	1	
10	00100PB	Plug Bush	3	NSS
11	SBP011	O-ring	3	NSS
12	00100CP	Cover Plate	3	
13	SBG025	O-ring	1	NSS
14	SBP030	O-ring	1	NSS
15	00100VC	Valve Cap	1	NSS
16	00100V	Valve	1	NSS
17	00100VS	Valve Sleeve	1	NSS
18	SABFF08	Screwed Adapter	2	
19	ACFBF08	Adapter Cap	2	
20	SBP018	O-ring	2	NSS
21	00200CY	Cylinder	1	
22	00200P-X	Piston	1	
23	SCUP045	U-Packing	1	NSS
24	SCD045	Dust Seal	1	NSS
25	00200FH-X2	Front Head	1	
26	ACVBF08-2	Air Check Valve	1	
27	SP1060	Spring Pin	1	
28	GNBT04	Grease Nipple	1	
29	00200RP	Rod Pin	1	
30	00100SP-X1	Stop Pin	2	
31	SP1335	Spring Pin	2	
32	00200RB-X1	Ring Bush	1	
33	00200FC-X1	Front Cover	1	
34A	00200T-M-X1	Tool-M Type	1	
34B	00200T-V-X1	Tool-V Type	1	
34C	00200T-H-X1	Tool-H Type	1	
34D	00200T-C-X1	Tool-C Type	1	
34E	00200T-B-X1	Tool-B Type	1	
101	00200S-SR-A	Seal Kit	1	
102	00100V-AY	Valve Assy	1	
104	00200TB-AY	Through Bolt Assy	4	
105A	00200TLB-ST	Tool Box Assy-ST	1	
105B	00200TLB-B	Tool Box Assy-B	1	
106	00200BH-X2-AY	Back Head Assy	1	
107	00200CY-AY	Cylinder Assy	1	
108	00200FH-X2-AY	Front Head Assy	1	

EDDIE45T



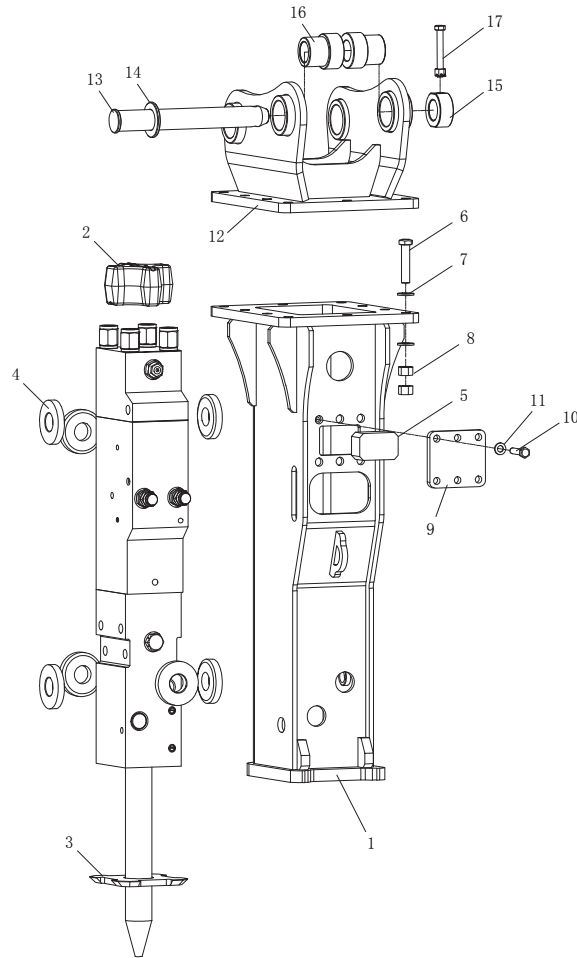
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E45F-H	Frame	1	
2	HBM20XX	Hex bolt	10	
3	SW20	Spring Washer	10	
4	W20	Washer	10	
5	HM20XXX-AY	Side Bolt-AY	1	5-1/5-2/5-3/5-4
6	E45TB-H	Tie Bush	1	
7	E45MP	Mount Pin	2	
8	E45MPR	Mount Pin Ring	2	
9	E45MPS	Mount Pin Stopper	2	
10	E45MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE45S



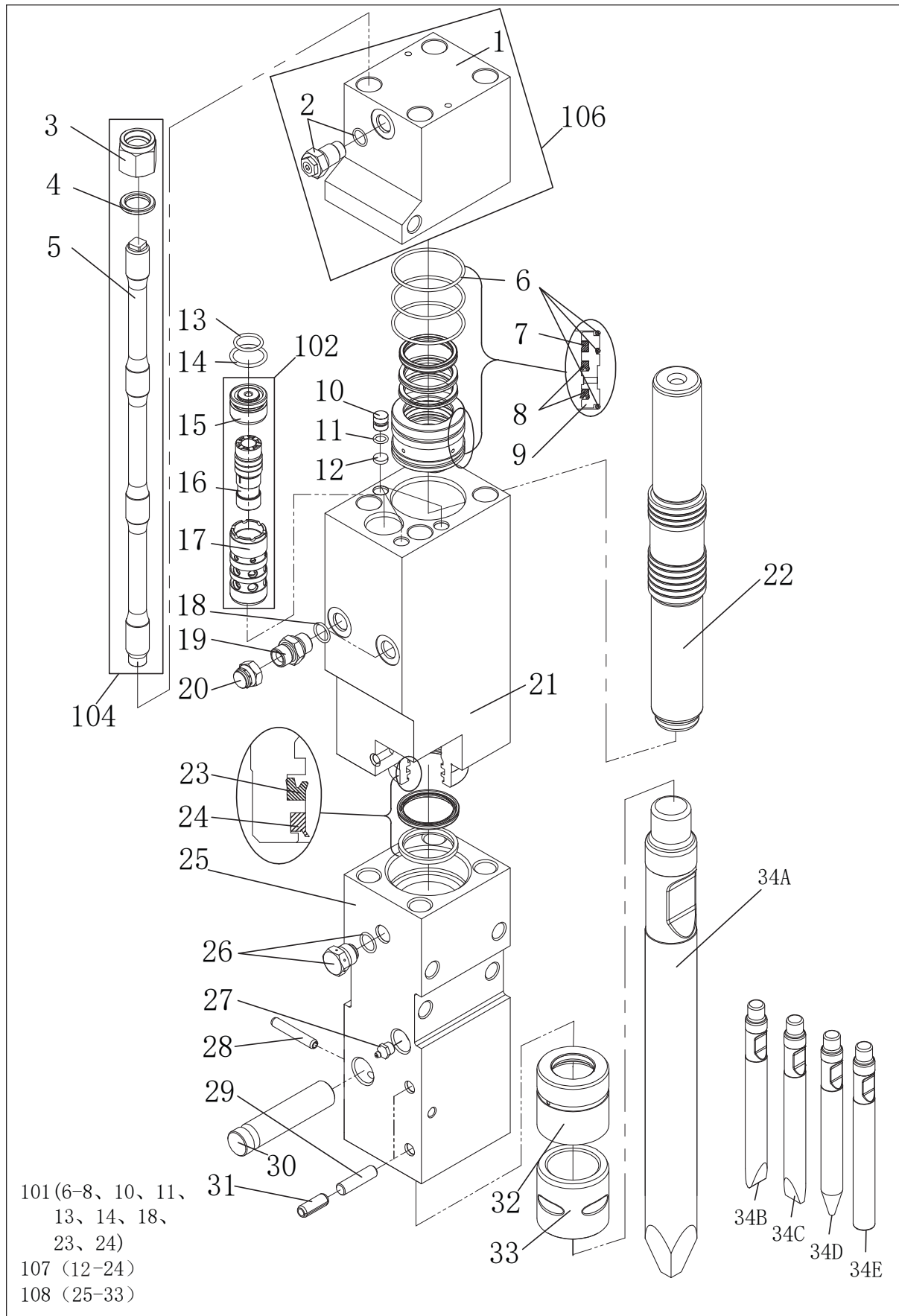
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E45F-S	Frame	1	
2	HBM20XX	Hex bolt	10	
3	SW20	Spring Washer	10	
4	W20	Washer	10	
5	HM20XXX-AY	Side Bolt-AY	1	5-1/5-2/5-3/5-4
6	E45TB-S	Tie Bush	1	
7	E45MP	Mount Pin	2	
8	E45MPR	Mount Pin Ring	2	
9	E45MPS	Mount Pin Stopper	2	
10	E45MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE45B



NO.	PART NO.	PART NAME	QTY	REMARKS
1	E45F-B20	Frame	1	
2	E45CRD	Cross Damper	1	
3	E45BLD	Below Damper	1	
4	E45SDA	Side Damper A	7	
5	E45SDB	Side Damper B	1	
6	HBM1465	Hex bolt	10	
7	W14	Washer	20	
8	HNM14	Hex.Nut	20	
9	E45CV	Cover Plate	1	
10	HBM1030	Hex bolt	6	
11	F10	Washer	6	
12	E45MC-B	Mount Cap	1	
13	E45MP	Mount Pin	2	
14	E45MPR	Mount Pin Ring	2	
15	E45MPS	Mount Pin Stopper	2	
16	E45MPB	Mount Pin Bush	4	
17	HBWH-AY	Hex bolt With Hole Assy	2	

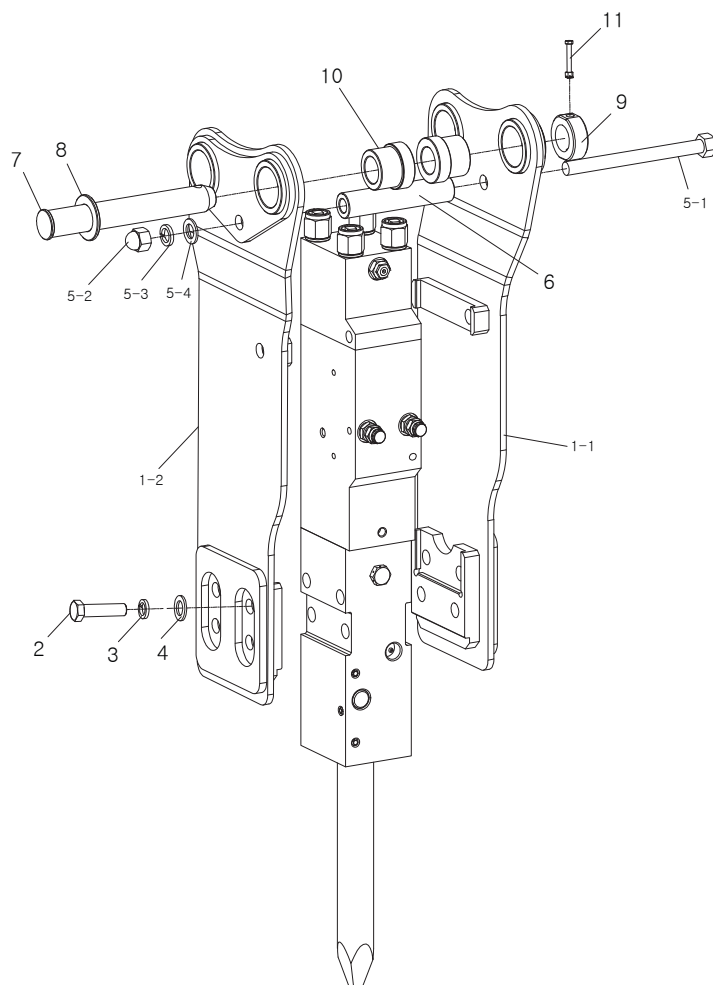
EDDIE53 MAIN BODY PARTS



EDDIE53 MAIN BODY PARTS LIST

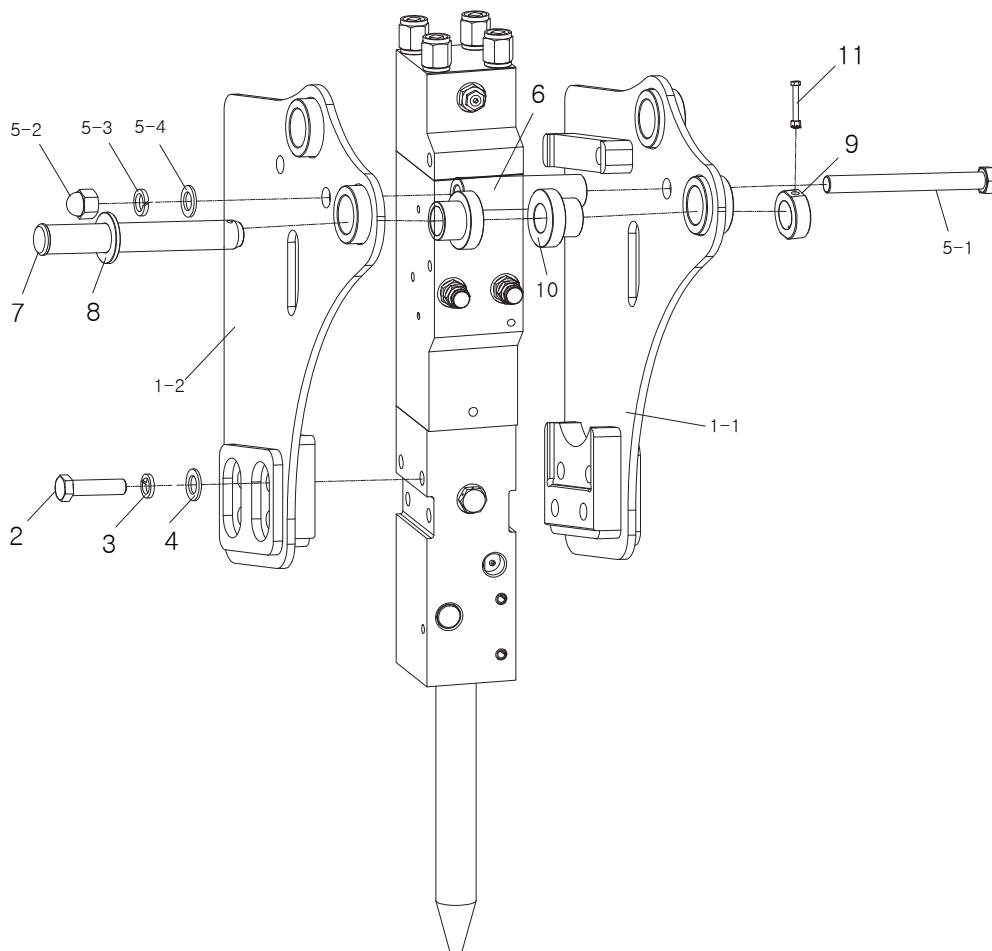
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00300BH	Back Head	1	
2	BHCVBF08	B/H Charging Valve	1	
3	00300TBHN	Through Bolt Hex. Nut	4	NSS
4	00300TBW	Through Bolt Washer	4	NSS
5	00300TB	Through Bolt	4	NSS
6	SBG070	O-ring	4	NSS
7	SCG050	Gas Seal	1	NSS
8	SCUP050	U-Packing	2	NSS
9	00300SR-A1	Seal Retainer	1	
10	00100PB	Plug Bush	3	NSS
11	SBP011	O-ring	3	NSS
12	00100CP	Cover Plate	3	
13	SBG025	O-ring	1	NSS
14	SBP032	O-ring	1	NSS
15	00300VC	Valve Cap	1	NSS
16	00300V	Valve	1	NSS
17	00300VS	Valve Sleeve	1	NSS
18	SBP018	O-ring	2	NSS
19	SABFF08	Screwed Adapter	2	
20	ACBF08	Adapter Cap	2	
21	00300CY	Cylinder	1	
22	00300P	Piston	1	
23	SCUP053	U-Packing	1	NSS
24	SCD053	Dust Seal	1	NSS
25	00300FH-X1	Front Head	1	
26	ACVBF08-2	Air Check Valve	1	
27	GNBT04	Grease Nipple	1	
28	SP1060	Spring Pin	1	
29	00100SP-X1	Stop Pin	2	
30	00300RP-X1	Rod Pin	1	
31	SP1335	Spring Pin	2	
32	00300RB-X1	Ring Bush	1	
33	00300FC-X1	Front Cover	1	
34A	00300T-M-X1	Tool-M Type	1	
34B	00300T-V-X1	Tool-V Type	1	
34C	00300T-H-X1	Tool-H Type	1	
34D	00300T-C-X1	Tool-C Type	1	
34E	00300T-B-X1	Tool-B Type	1	
101	00300S-SR-A1	Seal Kit	1	
102	00300V-AY	Valve Assy	1	
104	00300TB-AY	Through Bolt Assy	4	
105A	00300TLB-ST	Tool Box Assy-ST	1	
105B	00300TLB-B	Tool Box Assy-B	1	
106	00300BH-AY	Back Head Assy	1	
107	00300CY-AY	Cylinder Assy	1	
108	00300FH-X1-AY	Front Head Assy	1	

EDDIE53T



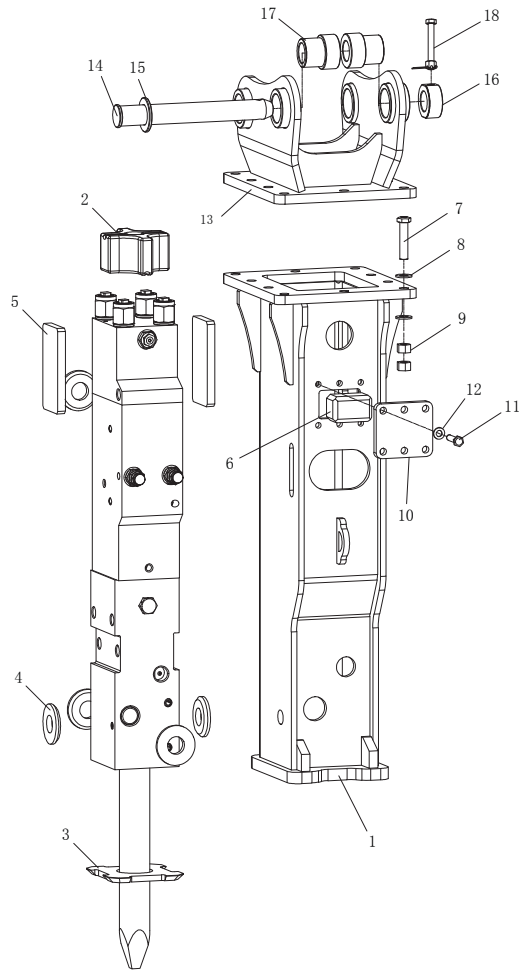
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E53F-H	Frame	1	
2	HBM20XX	Hex bolt	10	
3	SW20	Spring Washer	10	
4	W20	Washer	10	
5	HM20XXX-AY	Side Bolt-AY	1	5-1/5-2/5-3/5-4
6	E53TB-H	Tie Bush	1	
7	E53MP	Mount Pin	2	
8	E53MPR	Mount Pin Ring	2	
9	E53MPS	Mount Pin Stopper	2	
10	E53MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE53S



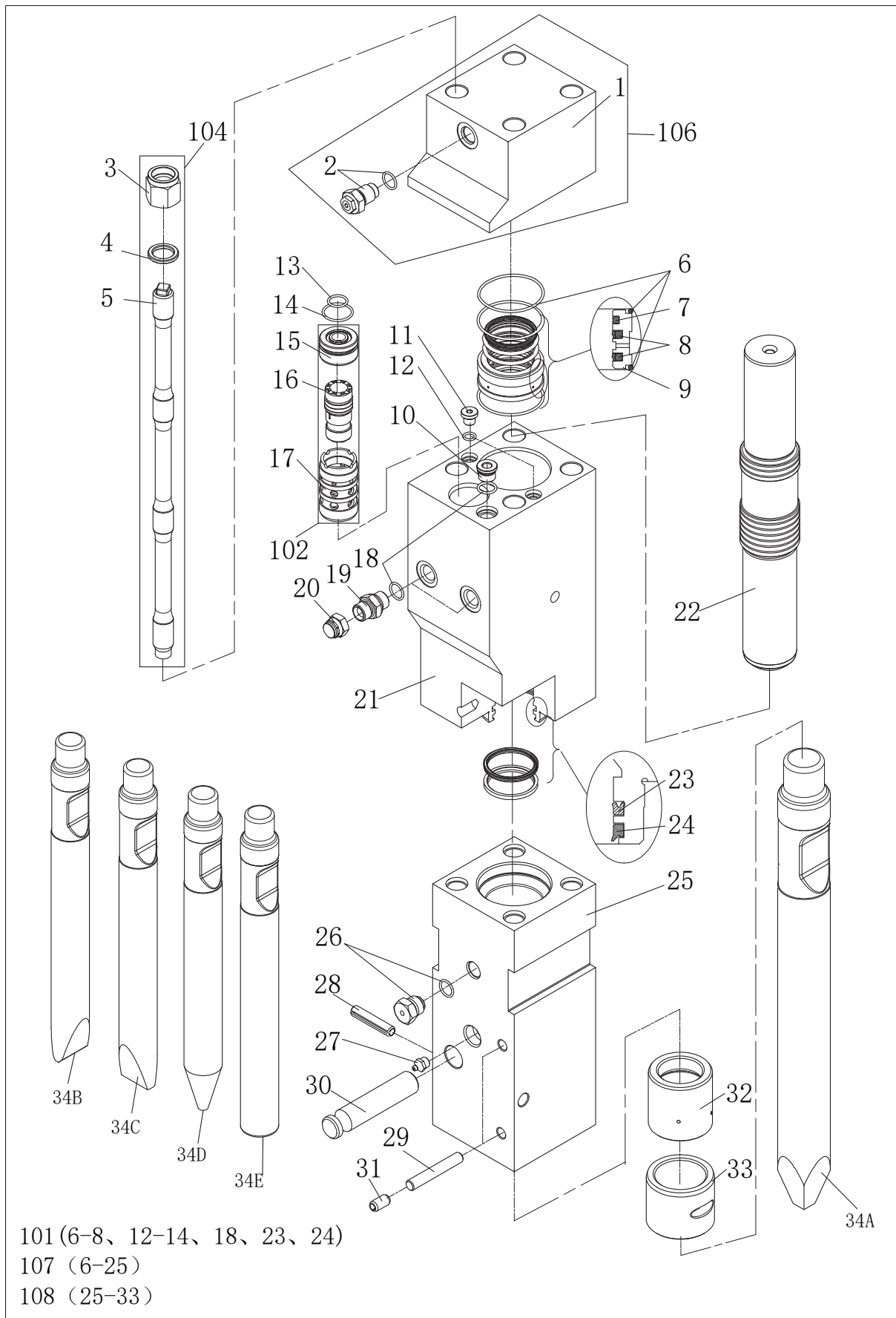
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E53F-S	Frame	1	
2	HBM20XX	Hex bolt	10	
3	SW20	Spring Washer	10	
4	W20	Washer	10	
5	HM20XXX-AY	Side Bolt-AY	1	5-1/5-2/5-3/5-4
6	E53TB-S	Tie Bush	1	
7	E53MP	Mount Pin	2	
8	E53MPR	Mount Pin Ring	2	
9	E53MPS	Mount Pin Stopper	2	
10	E53MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE53B



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E53F-B20	Frame	1	
2	E53CRD	Cross Damper	1	
3	E53BLD	Below Damper	1	
4	E53SDA	Side Damper A	5	
5	E53SDB	Side Damper B	2	
6	E53SDC	Side Damper C	1	
7	HBM1465	Hex bolt	10	
8	W14	Washer	20	
9	HNM14	Hex.Nut	20	
10	E53CV	Cover Plate	1	
11	HBM1030	Hex bolt	6	
12	F10	Washer	6	
13	E53MC-B	Mount Cap	1	
14	E53MP	Mount Pin	2	
15	E53MPR	Mount Pin Ring	2	
16	E53MPS	Mount Pin Stopper	2	
17	E53MPB	Mount Pin Bush	4	
18	HBWH-AY	Hex bolt With Hole Assy	2	

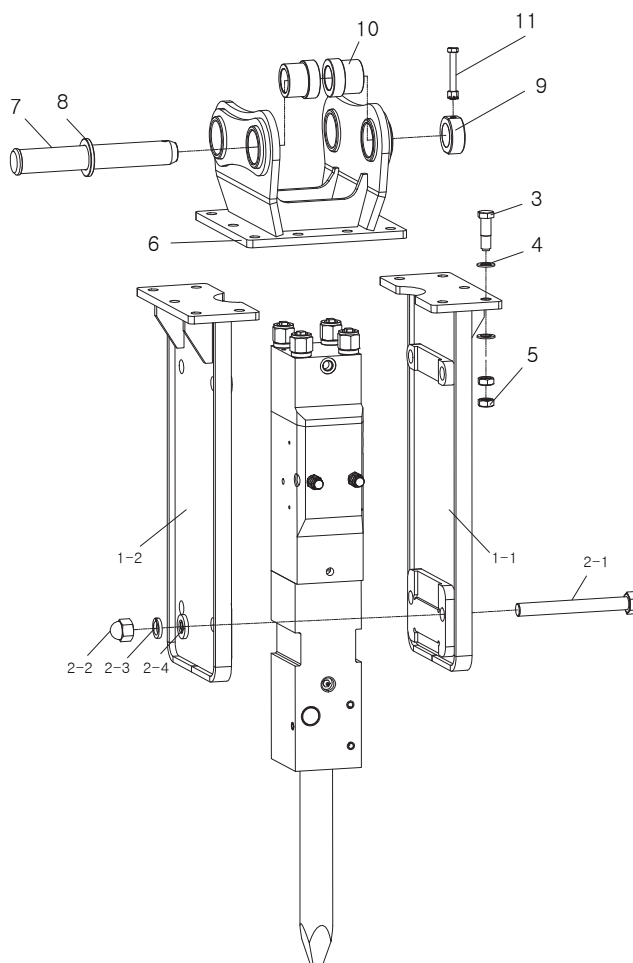
EDDIE60 MAIN BODY PARTS



EDDIE60 MAIN BODY PARTS LIST

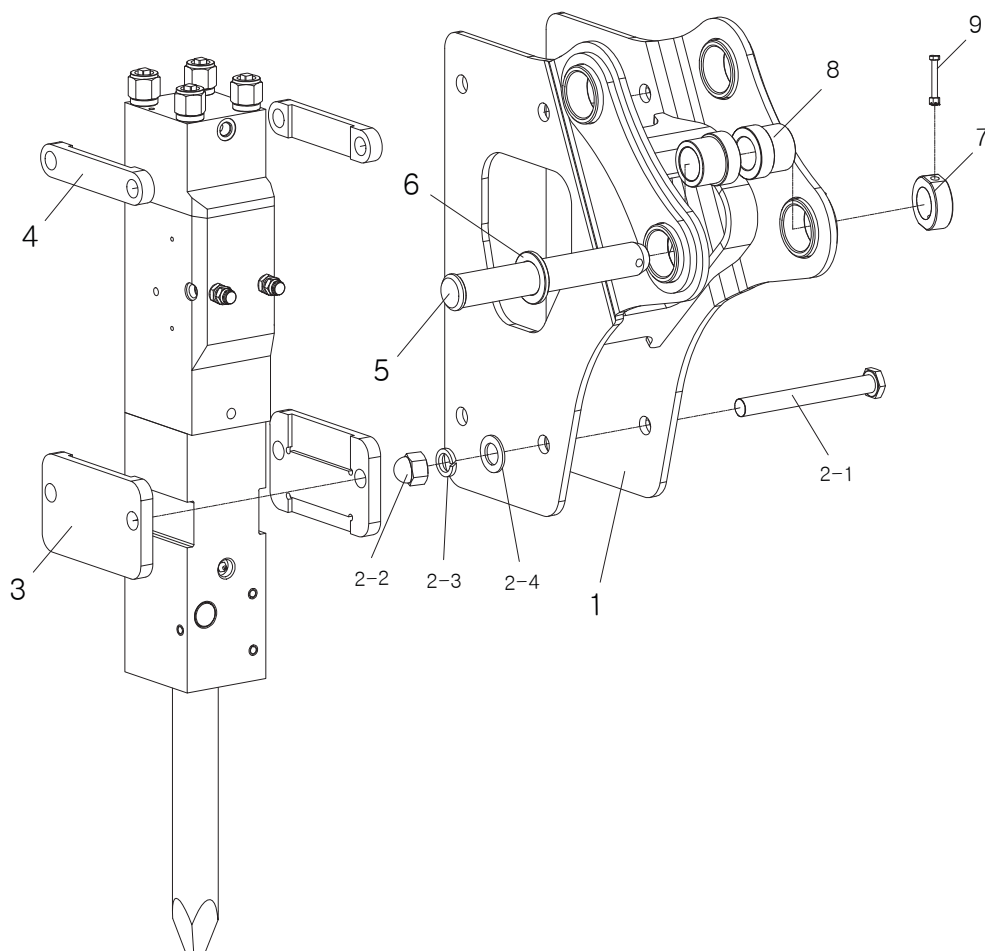
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00350BH	Back Head	1	
2	BHCVBF08	B/H Charging Valve	1	
3	00300TBHN	Through Bolt Hex. Nut	4	NSS
4	00300TBW	Through Bolt Washer	4	NSS
5	00300TB	Through Bolt	4	NSS
6	SBG080	O-ring	4	NSS
7	SCG060	Gas Seal	1	NSS
8	SCS060	Step Seal	2	NSS
9	00350SR	Seal Retainer	1	
10	SPBF08	Socket Plug	1	
11	SPBF04	Socket Plug	2	
12	SBP011	O-ring	2	NSS
13	SBG025	O-ring	1	NSS
14	SBP040	O-ring	1	NSS
15	0040JVC	Valve Cap	1	NSS
16	0040JV	Valve	1	NSS
17	00400VS	Valve Sleeve	1	NSS
18	SBP018	O-ring	5	NSS
19	SABFF08	Screwed Adapter	2	
20	ACBF08	Adapter Cap	2	
21	00350CY	Cylinder	1	
22	00350P	Piston	1	
23	SCUP063	U-Packing	1	NSS
24	SCD063	Dust Seal	1	NSS
25	00350FH-X1	Front Head	1	
26	ACVBF08-2	Air Check Valve	1	
27	GNBT04	Grease Nipple	1	
28	SP1060	Spring Pin	1	
29	00350SP	Stop Pin	2	
30	00300RP-X1	Rod Pin	1	
31	SP1335	Spring Pin	2	
32	00350RB-X1	Ring Bush	1	
33	00350FC-X1	Front Cover	1	
34A	00350T-M	Tool-M Type	1	
34B	00350T-V	Tool-V Type	1	
34C	00350T-H	Tool-H Type	1	
34D	00350T-C	Tool-C Type	1	
34E	00350T-B	Tool-B Type	1	
101	00350S-AS	Seal Kit	1	
102	00400V-AY	Valve Assy	1	
104	00300TB-AY	Through Bolt Assy	4	
105A	00350TLB-ST	Tool Box Assy-ST	1	
105B	00350TLB-B	Tool Box Assy-B	1	
106	00350BH-AY	Back Head Assy	1	
107	00350CY-AY	Cylinder Assy	1	
108	00350FH-X1-AY	Front Head Assy	1	

EDDIE60T



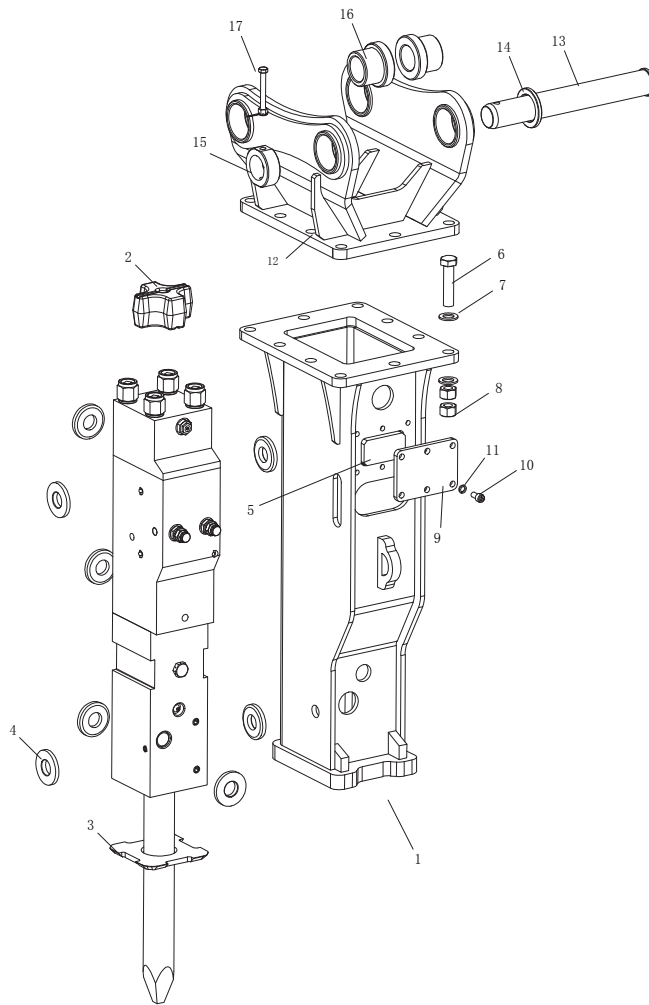
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E60F-T	Frame	1	
2	E60SB-AY	Side Bolt-AY	4	2-1/2-2/2-3/2-4
3	HBM2085	Hex bolt	10	
4	W20	Washer	20	
5	HNM20	Hex.Nut	20	
6	E60MC-T	Mount Cap	1	
7	E60MP	Mount Pin	2	
8	E60MPR	Mount Pin Ring	2	
9	E60MPS	Mount Pin Stopper	2	
10	E60MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE60S



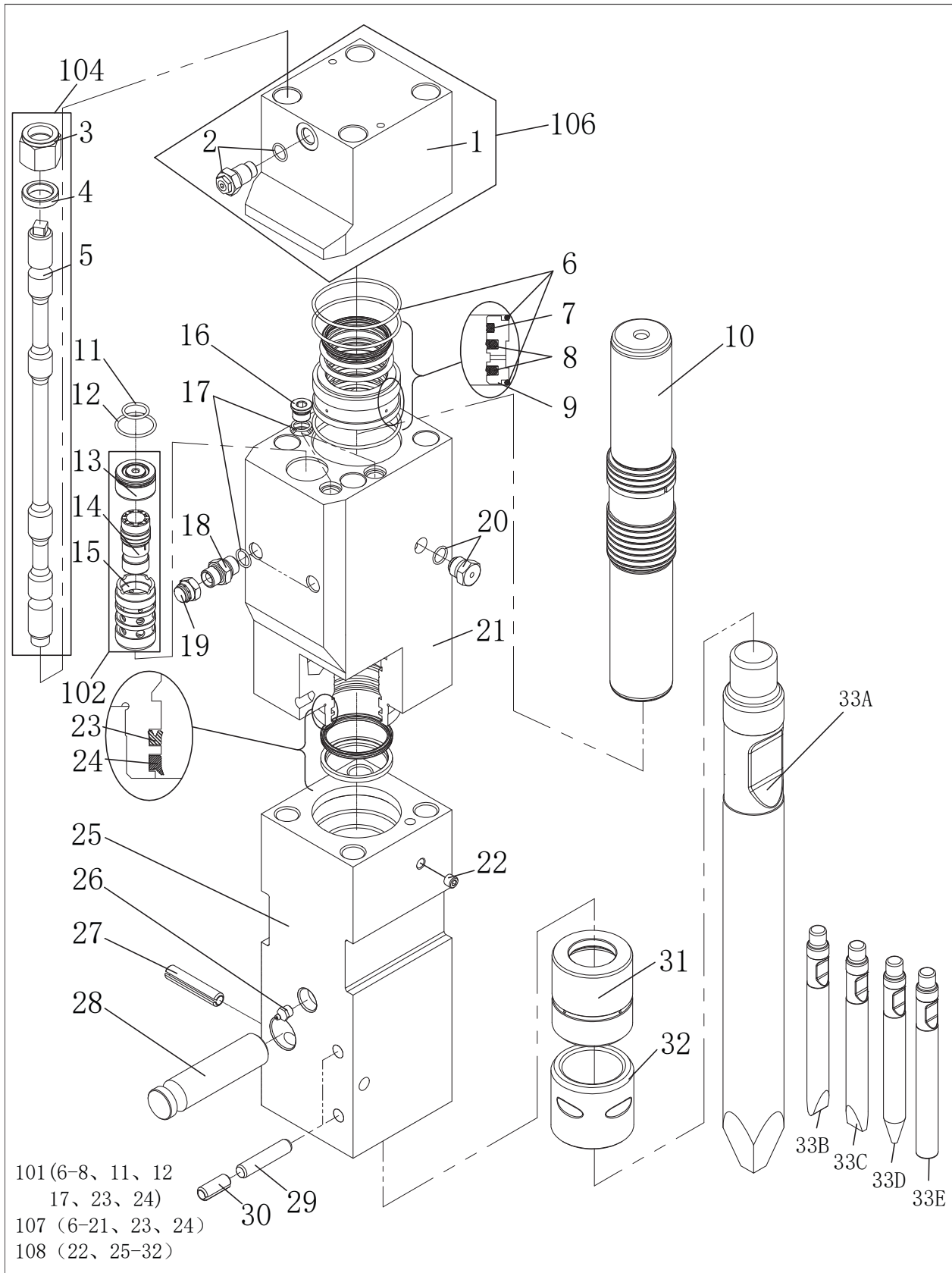
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E60F-S	Frame	1	
2	E60SB-AY	Side Bolt-AY	4	2-1/2-2/2-3/2-4
3	E60CPL	Clamping Plate	2	
4	E60GP	Guide Plate	2	
5	E60MP	Mount Pin	2	
6	E60MPR	Mount Pin Ring	2	
7	E60MPS	Mount Pin Stopper	2	
8	E60MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE60B



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E60F-B20	Frame	1	
2	E60CRD	Cross Damper	1	
3	E60BLD	Below Damper	1	
4	E60SDA	Side Damper A	8	
5	E60SDC	Side Damper C	1	
6	HBM2085	Hex bolt	10	
7	W20	Washer	20	
8	HN20	Hex.Nut	20	
9	E60CV	Cover Plate	1	
10	HBM1030	Hex bolt	6	
11	F10	Washer	6	
12	E60MC-B	Mount Cap	1	
13	E60MP	Mount Pin	2	
14	E60MPR	Mount Pin Ring	2	
15	E60MPS	Mount Pin Stopper	2	
16	E60MPB	Mount Pin Bush	4	
17	HBWH-AY	Hex bolt With Hole Assy	2	

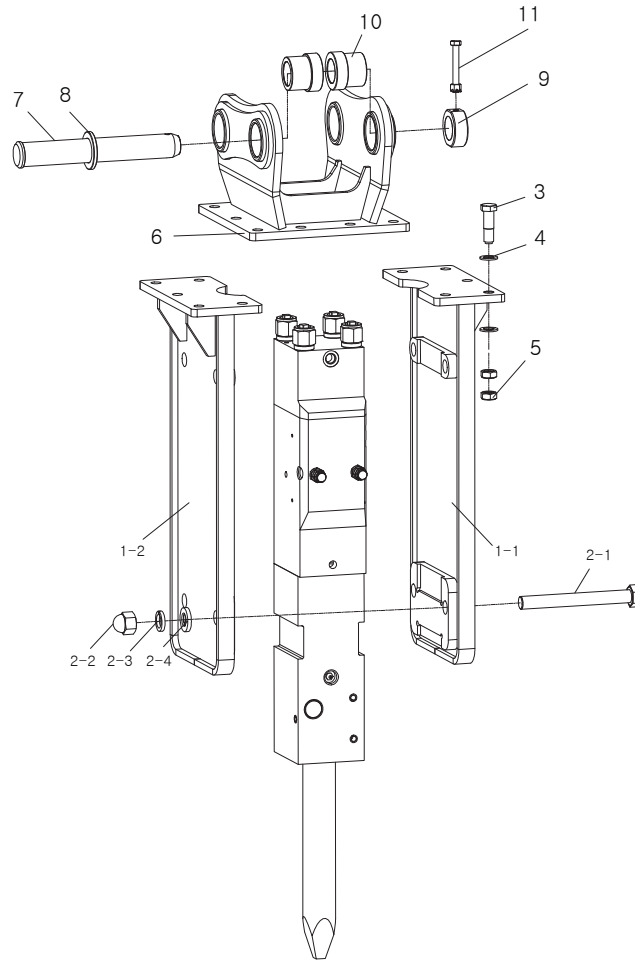
EDDIE68 MAIN BODY PARTS



EDDIE68 MAIN BODY PARTS LIST

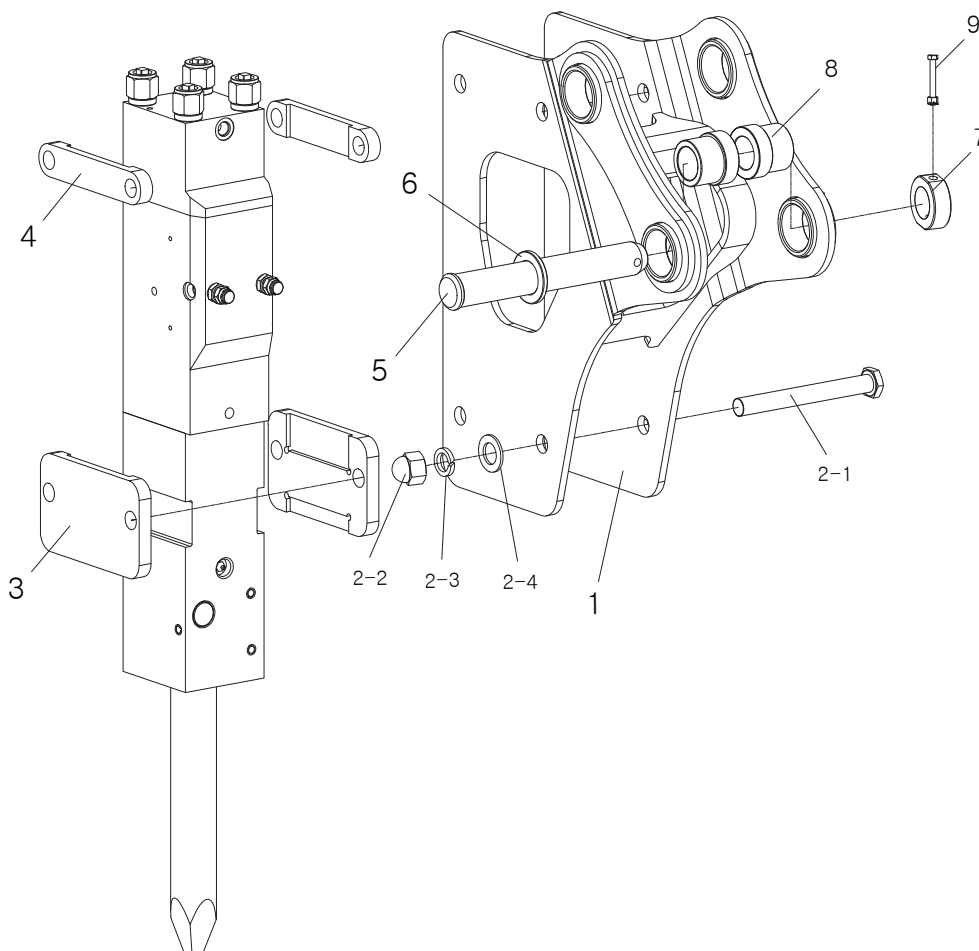
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00400BH	Back Head	1	
2	BHCVBF08	B/H Charging Valve	1	
3	00400TBHN	Through Bolt Hex. Nut	4	NSS
4	00400TBW	Through Bolt Washer	4	NSS
5	00400TB	Through Bolt	4	NSS
6	SAS239A	O-ring	3	NSS
7	SCG068	Gas Seal	1	NSS
8	SCS068	Step Seal	2	NSS
9	00400SR-A	Seal Retainer	1	
10	00400P	Piston	1	
11	SBG025	O-ring	1	NSS
12	SBG040	O-ring	1	NSS
13	00400VC	Valve Cap	1	NSS
14	00400V	Valve	1	NSS
15	00400VS	Valve Sleeve	1	NSS
16	SPBF08	Socket Plug	3	
17	SBP018	O-ring	5	NSS
18	SABFF08	Screwed Adapter	2	
19	ACBF08	Adapter Cap	2	
20	ACVBF08-1	Air Check Valve	1	
21	00400CY	Cylinder	1	
22	SPBT04	Socket Plug	1	
23	SCUP070	U-Packing	1	NSS
24	SCD070	Dust Seal	1	NSS
25	00400FH-X1	Front Head	1	
26	GNBT04	Grease Nipple	1	
27	SP1680	Spring Pin	1	
28	00400RP	Rod Pin	1	
29	00400SP-X1	Stop Pin	2	
30	SP1650	Spring Pin	2	
31	00400RB-X1	Ring Bush	1	
32	00400FC-X1	Front Cover	1	
33A	00400T-M	Tool-M Type	1	
33B	00400T-V	Tool-V Type	1	
33C	00400T-H	Tool-H Type	1	
33D	00400T-C	Tool-C Type	1	
33E	00400T-B	Tool-B Type	1	
101	00400S	Seal Kit	1	
102	00400V-AY	Valve Assy	1	
104	00400TB-AY	Through Bolt Assy	4	
105A	00400TLB-ST	Tool Box Assy-ST	1	
105B	00400TLB-B	Tool Box Assy-B	1	
106	00400BH-AY	Back Head Assy	1	
107	00400CY-AY	Cylinder Assy	1	
108	00400FH-X1-AY	Front Head Assy	1	

EDDIE68T



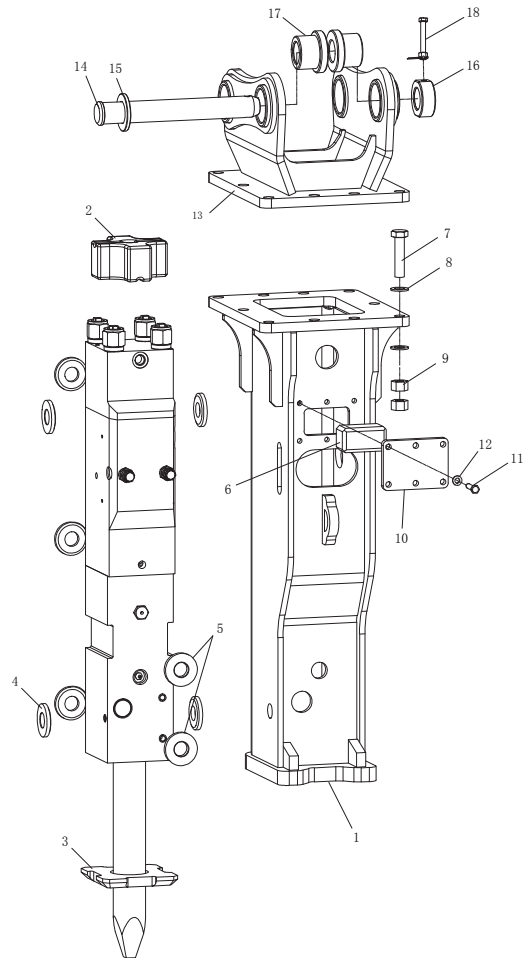
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E68F-T	Frame	1	
2	E68SB-AY	Side Bolt-AY	4	2-1/2-2/2-3/2-4
3	HBM2085	Hex bolt	10	
4	W20	Washer	20	
5	HNM20	Hex.Nut	20	
6	E68MC-T	Mount Cap	1	
7	E68MP	Mount Pin	2	
8	E68MPR	Mount Pin Ring	2	
9	E68MPS	Mount Pin Stopper	2	
10	E68MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE68S



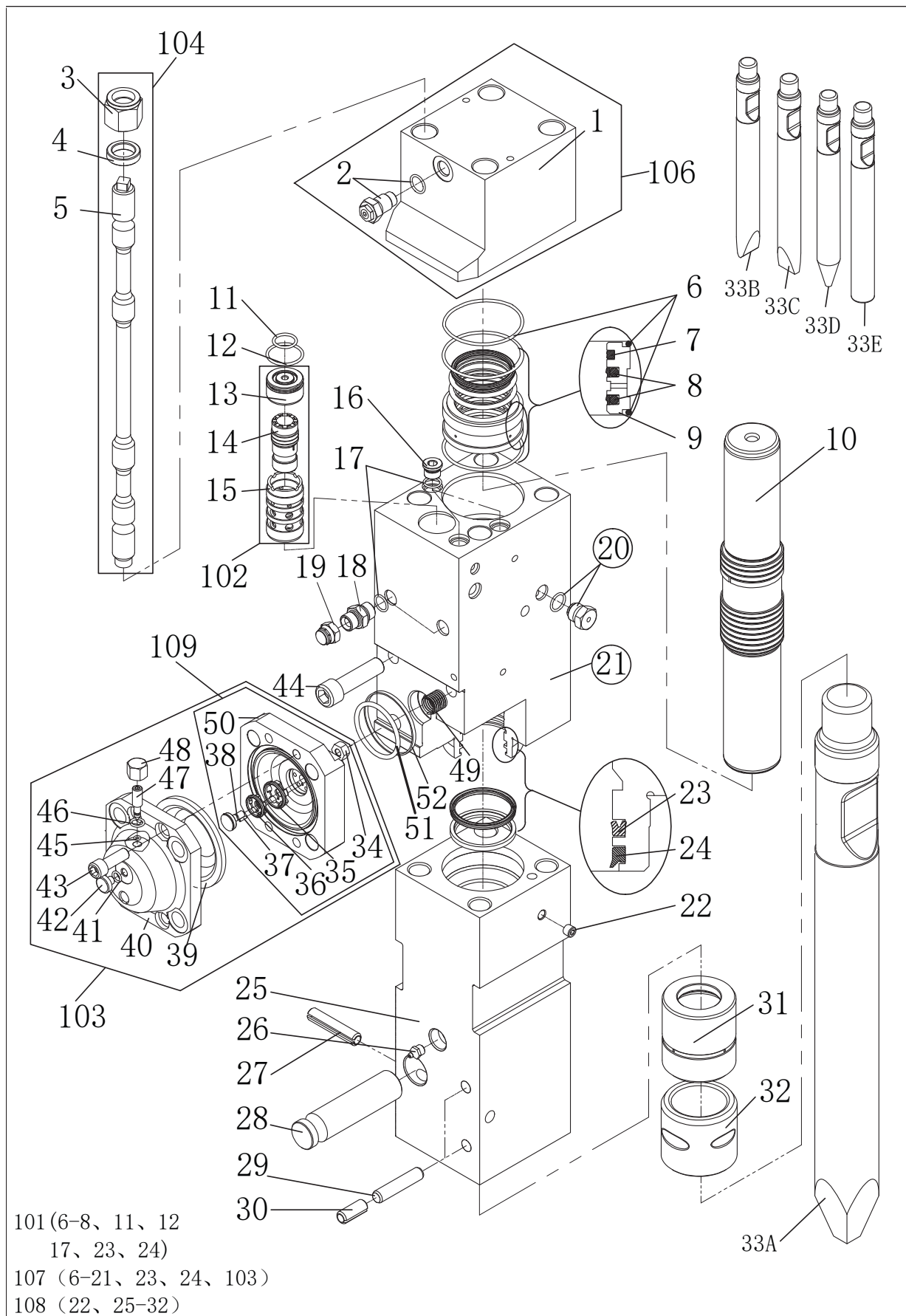
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E68F-S	Frame	1	
2	E68SB-AY	Side Bolt-AY	4	2-1/2-2/2-3/2-4
3	E68CPL	Clamping Plate	2	
4	E68GP	Guide Plate	2	
5	E68MP	Mount Pin	2	
6	E68MPR	Mount Pin Ring	2	
7	E68MPS	Mount Pin Stopper	2	
8	E68MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE68B



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E68F-B20	Frame	1	
2	E68CRD	Cross Damper	1	
3	E68BLD	Below Damper	1	
4	E68SDA	Side Damper A	7	
5	E68SDB	Side Damper B	2	
6	E68SDC	Side Damper C	1	
7	HBM2085	Hex bolt	10	
8	W20	Washer	20	
9	HNM20	Hex.Nut	20	
10	E68CV	Cover Plate	1	
11	HBM1030	Hex bolt	6	
12	F10	Washer	6	
13	E68MC-B	Mount Cap	1	
14	E68MP	Mount Pin	2	
15	E68MPR	Mount Pin Ring	2	
16	E68MPS	Mount Pin Stopper	2	
17	E68MPB	Mount Pin Bush	4	
18	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE68A MAIN BODY PARTS

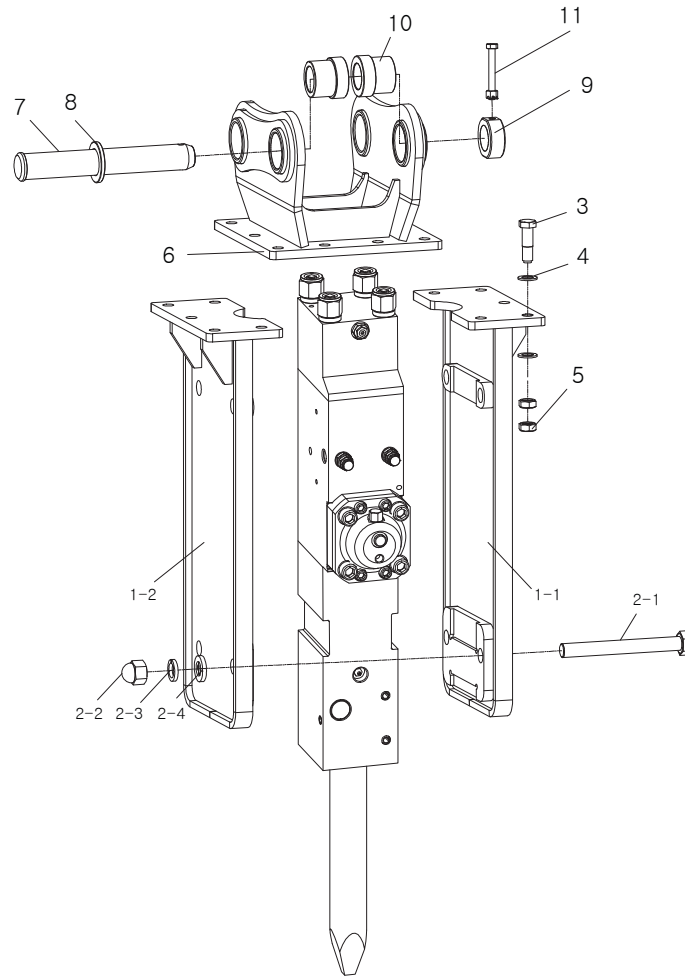


EDDIE68A MAIN BODY PARTS LIST

NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00400BH	Back Head	1	
2	BHCVBF08	B/H Charging Valve	1	
3	00400TBHN	Through Bolt Hex. Nut	4	NSS
4	00400TBW	Through Bolt Washer	4	NSS
5	00400TB	Through Bolt	4	NSS
6	SAS239A	O-ring	3	NSS
7	SCG068	Gas Seal	1	NSS
8	SCS068	Step Seal	2	NSS
9	00400SR-A	Seal Retainer	1	
10	00400P	Piston	1	
11	SBG025	O-ring	1	NSS
12	SBG040	O-ring	1	NSS
13	00400VC	Valve Cap	1	NSS
14	00400V	Valve	1	NSS
15	00400VS	Valve Sleeve	1	NSS
16	SPBF08	Socket Plug	3	
17	SBP018	O-ring	5	NSS
18	SABFF08	Screwed Adapter	2	
19	ACBF08	Adapter Cap	2	
20	ACVBF08-1	Air Check Valve	1	
21	00400ACY	Cylinder	1	
22	SPBT04	Socket Plug	1	
23	SCUP070	U-Packing	1	NSS
24	SCD070	Dust Seal	1	NSS
25	00400FH-X1	Front Head	1	
26	GNBT04	Grease Nipple	1	
27	SP1680	Spring Pin	1	
28	00400RP	Rod Pin	1	
29	00400SP-X1	Stop Pin	2	
30	SP1650	Spring Pin	2	
31	00400RB-X1	Ring Bush	1	
32	00400FC-X1	Front Cover	1	

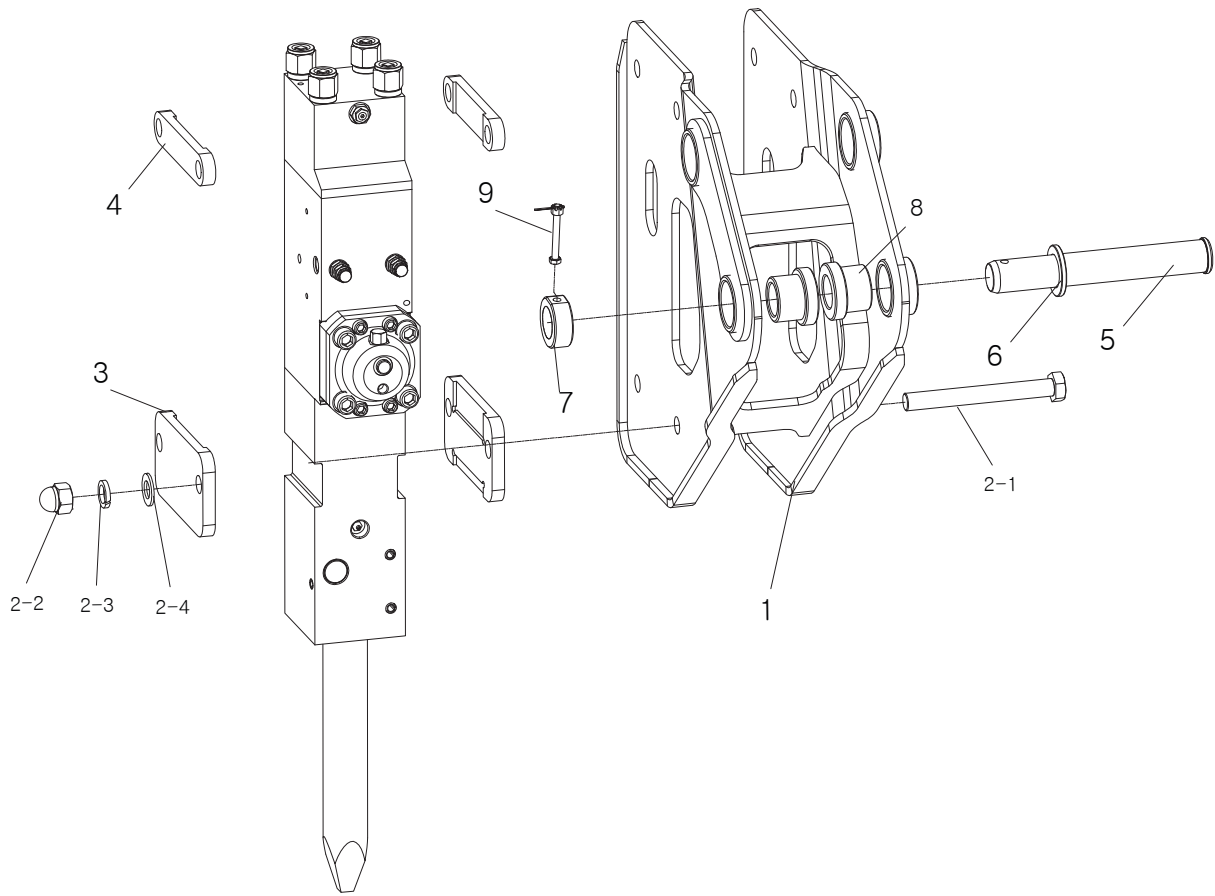
NO.	PART NO.	PART NAME	Q'TY	REMARKS
33A	00400T-M	Tool-M Type	1	
33B	00400T-V	Tool-V Type	1	
33C	00400T-H	Tool-H Type	1	
33D	00400T-C	Tool-C Type	1	
33E	00400T-B	Tool-B Type	1	
34	02000AHN	Acc. Holder Nut	1	NSS
35	00400AHB	Acc. Holder B	1	NSS
36	00400AHA	Acc. Holder A	1	NSS
37	00400AHKP	Acc. Holder Knock Pin	1	NSS
38	00400AHBT	Acc. Holder Bolt	1	NSS
39	00400AD	Acc. Diaphragm	1	
40	00400AC	Acc. Cover	1	
41	SBP011	O-ring	1	NSS
42	02000AHP	Acc. Hex. Plug	1	
43	SBM1435F112	Socket Bolt	4	
44	SBM207512	Socket Bolt	4	
45	SBP005	O-ring	1	NSS
46	SBP014	O-ring	1	NSS
47	02000ACV	Acc. Charging Valve	1	
48	02000ACVC	Acc. Valve Cover	1	
49	HCM202509	Heli Coil	4	
50	00400AB	Acc. Body	1	NSS
51	SBP075	O-ring	1	NSS
52	S4BP075	Back-up Ring	1	NSS
101	00400AS	Seal Kit	1	
102	00400V-AY	Valve Assy	1	
103	00400A-AY	Acc. Assy	1	
104	00400TB-AY	Through Bolt Assy	4	
105A	00400TLB-ST	Tool Box Assy-ST	1	
105B	00400TLB-B	Tool Box Assy-B	1	
106	00400BH-AY	Back Head Assy	1	
107	00400ACY-AY	Cylinder Assy	1	
108	00400FH-X1-AY	Front Head Assy	1	
109	00400AB-AY	Acc. Body Assy	1	

EDDIE68AT



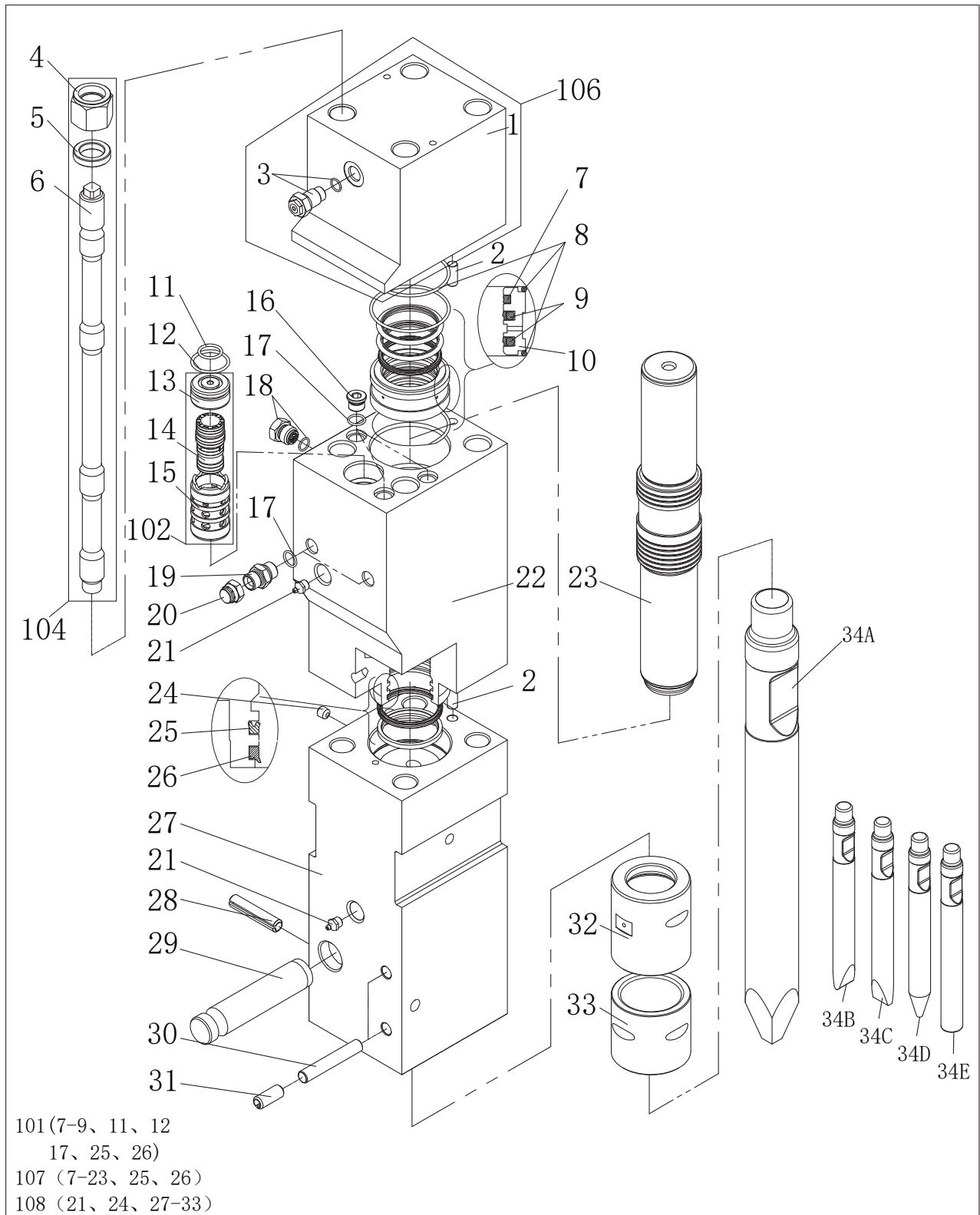
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E68AF-T	Frame	1	
2	E68ASB-AY	Side Bolt-AY	4	2-1/2-2/2-3/2-4
3	HBM2085	Hex bolt	10	
4	W20	Washer	20	
5	HNM20	Hex.Nut	20	
6	E68AMC-T	Mount Cap	1	
7	E68AMP	Mount Pin	2	
8	E68AMPB	Mount Pin Bush	4	
9	E68AMPS	Mount Pin Stopper	2	
10	E68AMPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE68AS



NO.	PART NO.	PART NAME	QTY	REMARKS
1	E68AF-S	Frame	1	
2	E68ASB-AY	Side Bolt-AY	4	2-1/2-2/2-3/2-4
3	E68ACPL	Clamping Plate	2	
4	E68AGP	Guide Plate	2	
5	E68AMP	Mount Pin	2	
6	E68AMPR	Mount Pin Ring	2	
7	E68AMPS	Mount Pin Stopper	2	
8	E68AMPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

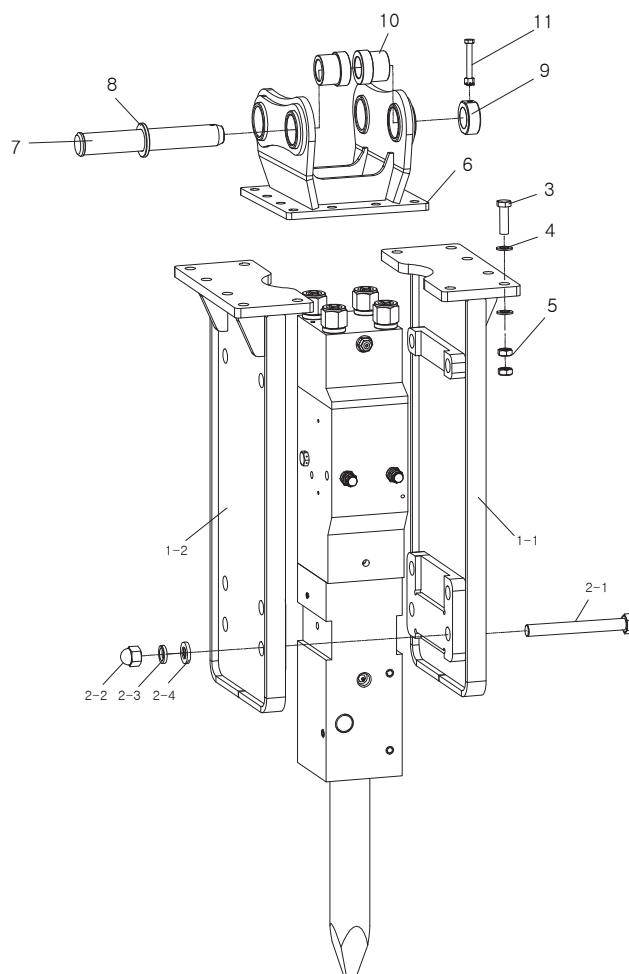
EDT430 MAIN BODY PARTS



EDT430 MAIN BODY PARTS LIST

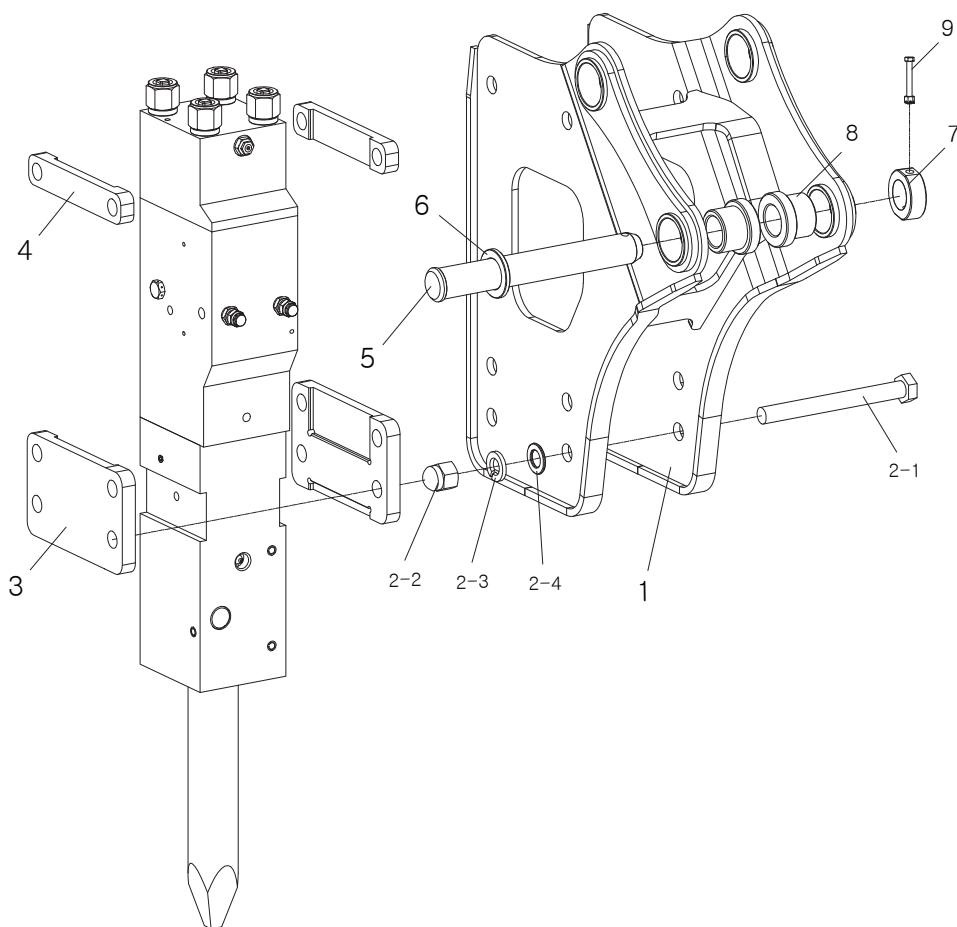
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00430BH	Back Head	1	
2	00435KP	Knock Pin	2	
3	BHCVBF08	B/H Charging Valve	1	
4	00430TBHN	Through Bolt Hex. Nut	4	NSS
5	00430TBW	Through Bolt Washer	4	NSS
6	00435TB	Through Bolt	4	NSS
7	SCG068	Gas Seal	1	NSS
8	SAS239A	O-ring	3	NSS
9	SCS068	Step Seal	2	NSS
10	00400SR-A	Seal Retainer	1	
11	SBG025	O-ring	1	NSS
12	SBP042	O-ring	1	NSS
13	00430VC	Valve Cap	1	NSS
14	00430V	Valve	1	NSS
15	00430VS	Valve Sleeve	1	NSS
16	SPBF08	Socket Plug	3	
17	SAP018	O-ring	5	NSS
18	ACVBF08-1	Air Check Valve	1	
19	SABFF08	Screwed Adapter	2	
20	ACBF08	Adapter Cap	2	
21	GNBT04	Grease Nipple	2	
22	00430AGCY	Cylinder	1	
23	00430P	Piston	1	
24	SPBT04	Socket Plug	1	
25	SCUP070	U-Packing	1	NSS
26	SCD070	Dust Seal	1	NSS
27	00430AGFH-X1	Front Head	1	
28	SP1680	Spring Pin	1	
29	00430RP	Rod Pin	1	
30	00430SP	Stop Pin	2	
31	SP1640	Spring Pin	2	
32	00430RB-X1	Ring Bush	1	
33	00430FC-X1	Front Cover	1	
34A	00430T-M	Tool-M Type	1	
34B	00430T-V	Tool-V Type	1	
34C	00430T-H	Tool-H Type	1	
34D	00430T-C	Tool-C Type	1	
34E	00430T-B	Tool-B Type	1	
101	00430S	Seal Kit	1	
102	00430V-AY	Valve Assy	1	
104	00435TB-AY	Through Bolt Assy	4	
105A	00435TLB-ST	Tool Box Assy-ST	1	
105B	00435TLB-B	Tool Box Assy-B	1	
106	00430BH-AY	Back Head Assy	1	
107	00430AGCY-AY	Cylinder Assy	1	
108	00430AGFH-X1-AY	Front Head Assy	1	

EDT430T



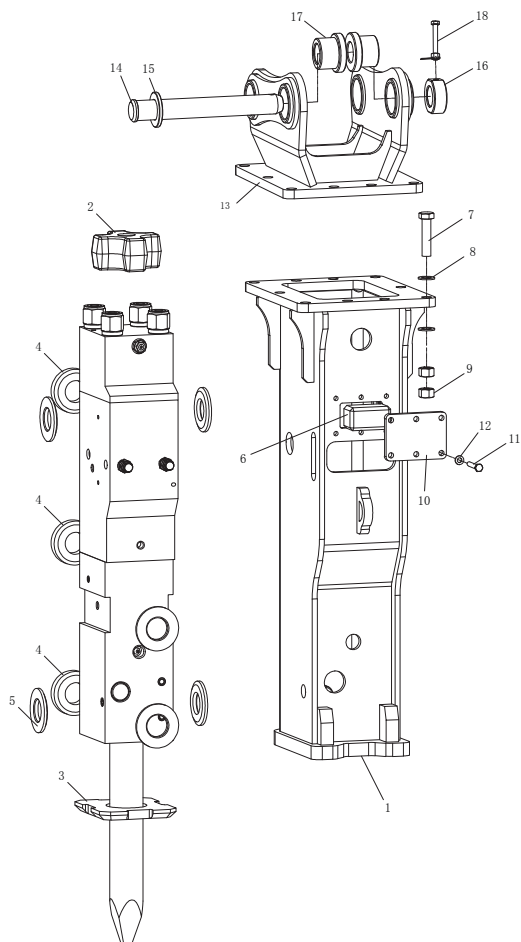
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00430F-T	Frame	1	
2	00430SB-AY	Side Bolt-AY	6	2-1/2-2/2-3/2-4
3	HBM2085	Hex bolt	12	
4	W20	Washer	24	
5	HN20	Hex.Nut	24	
6	00430MC-T	Mount Cap	1	
7	00430MP	Mount Pin	2	
8	00430MPR	Mount Pin Ring	2	
9	00430MPS	Mount Pin Stopper	2	
10	00430MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDT430S



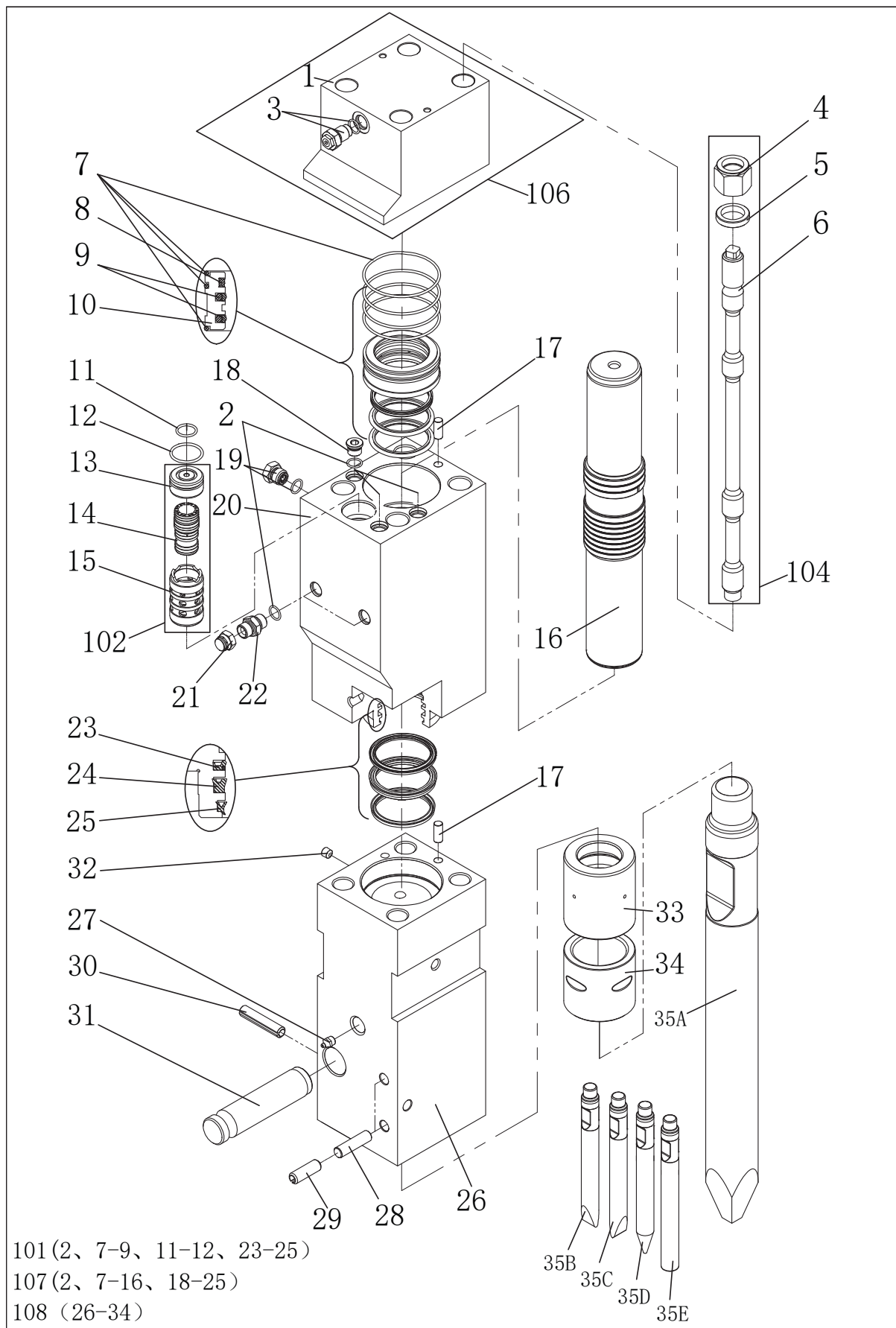
NO.	PART NO.	PART NAME	QTY	REMARKS
1	00430F-S	Frame	1	
2	00430SB-AY	Side Bolt-AY	6	2-1/2-2/2-3/2-4
3	00430CPL	Clamping Plate	2	
4	00430GP	Guide Plate	2	
5	00430MP	Mount Pin	2	
6	00430MPR	Mount Pin Ring	2	
7	00430MPS	Mount Pin Stopper	2	
8	00430MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDT430B



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00430F-B20	Frame	1	
2	00430CRD	Cross Damper	1	
3	00430BLD	Below Damper	1	
4	00430SDA	Side Damper A	7	
5	00430SDB	Side Damper B	2	
6	00430SDC	Side Damper C	1	
7	HBM2085	Hex bolt	10	
8	W20	Washer	20	
9	HNM20	Hex.Nut	20	
10	00430CV	Cover Plate	1	
11	HBM1030	Hex bolt	6	
12	F10	Washer	6	
13	00430MC-B	Mount Cap	1	
14	00430MP	Mount Pin	2	
15	00430MPR	Mount Pin Ring	2	
16	00430MPS	Mount Pin Stopper	2	
17	00430MPB	Mount Pin Bush	4	
18	HBWH-AY	Hex bolt With Hole Assy	2	

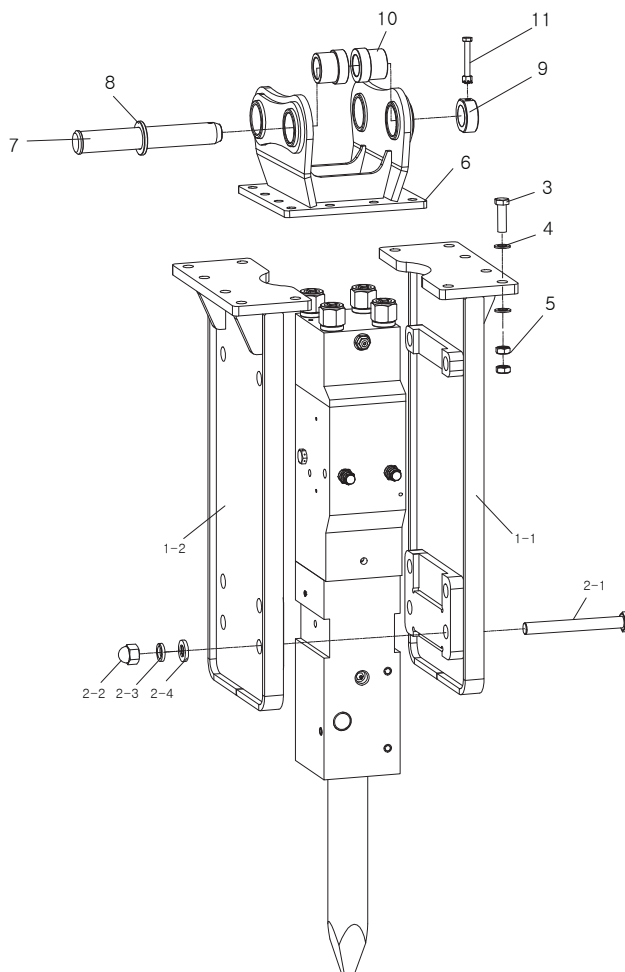
EDDIE75 MAIN BODY PARTS



EDDIE75 MAIN BODY PARTS LIST

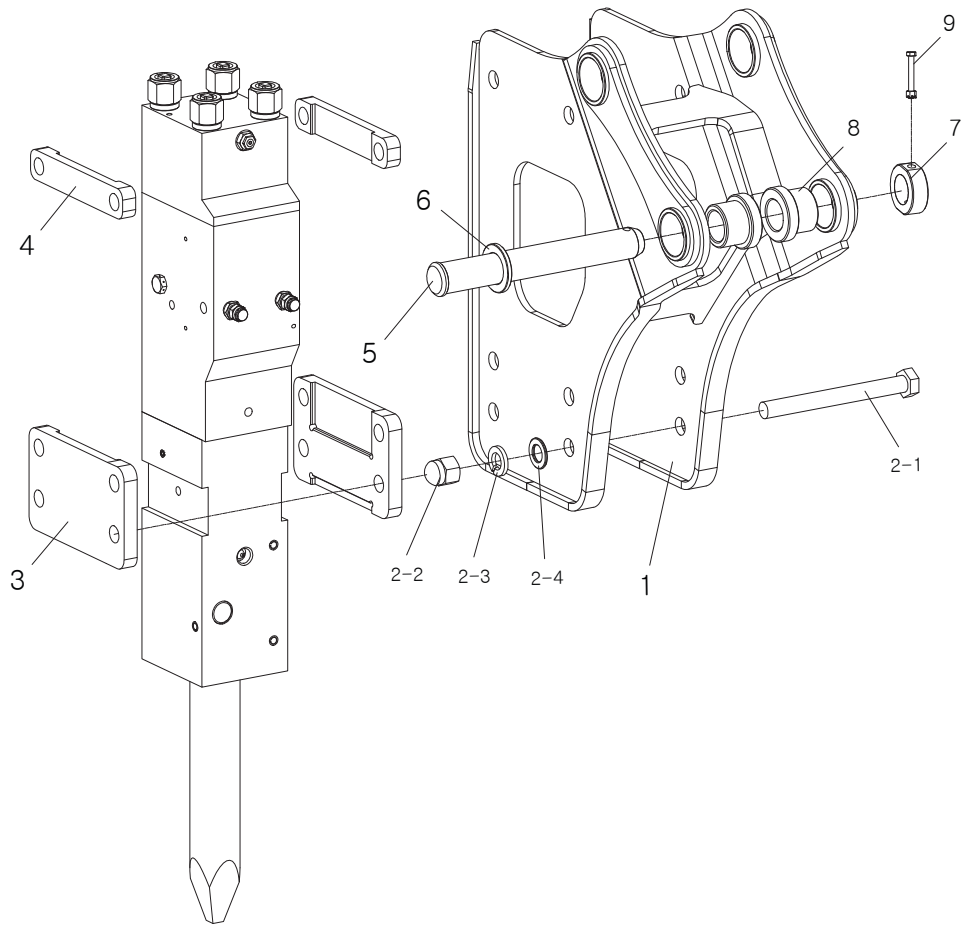
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00435BH	Back Head	1	
2	SBP018	O-ring	7	NSS
3	BHCVBF08	B/H Charging Valve	1	
4	00430TBHN	Through Bolt Hex. Nut	4	NSS
5	00430TBW	Through Bolt Washer	4	NSS
6	00435TB	Through Bolt	4	NSS
7	SAS243B	O-ring	4	NSS
8	SCG078	Gas Seal	1	NSS
9	SCS078	Step Seal	2	NSS
10	00435SR-A	Seal Retainer	1	
11	SBG025	O-ring	1	NSS
12	SBP042	O-ring	1	NSS
13	00430VC	Valve Cap	1	NSS
14	00430V	Valve	1	NSS
15	00430VS	Valve Sleeve	1	NSS
16	00435P	Piston	1	
17	00435KP	Knock Pin	2	
18	SPBF08	Socket Plug	3	
19	ACVBF08-1	Air Check Valve	1	
20	00435CY-B2	Cylinder	1	
21	ACBF08	Adapter Cap	2	
22	SABFF08	Screwed Adapter	2	
23	SCB080	Buffer Seal	1	NSS
24	SCUP080	U-Packing	1	NSS
25	SCD080	Dust Seal	1	NSS
26	00435FH-X1	Front Head	1	
27	GNBT04	Grease Nipple	1	
28	00400SP-X1	Stop Pin	2	
29	SP1650	Spring Pin	2	
30	SP1680	Spring Pin	1	
31	00435RP-X1	Rod Pin	1	
32	SPBT04	Plug	1	
33	00435RB-X1	Ring Bush	1	
34	00435FC-X1	Front Cover	1	
35A	00435T-M-X1	Φ75Tool-M Type	1	
35B	00435T-V-X1	Φ75Tool-V Type	1	
35C	00435T-H-X1	Φ75Tool-H Type	1	
35D	00435T-C-X1	Φ75Tool-C Type	1	
35E	00435T-B-X1	Φ75Tool-B Type	1	
101	00435S-SR-A	Seal Kit	1	
102	00430V-AY	Valve Assy	1	
104	00435TB-AY	Through Bolt Assy	4	
105A	00435TLB-ST	Tool Box Assy-ST	1	
105B	00435TLB-B	Tool Box Assy-B	1	
106	00435BH-AY	Back Head Assy	1	
107	00435CY-B2-AY	Cylinder Assy	1	
108	00435FH-X1-AY	Front Head Assy	1	

EDDIE75T



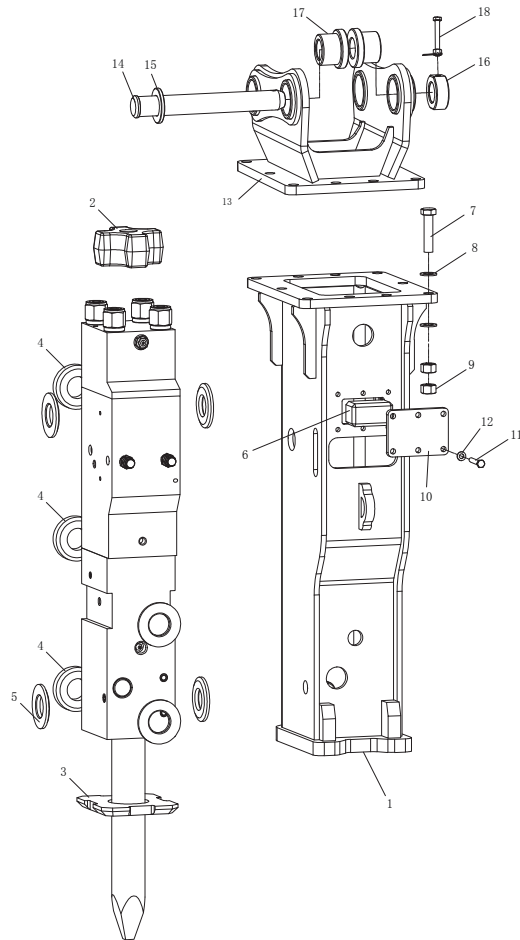
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E75F-T	Frame	1	
2	E75SB-AY	Side Bolt-AY	6	2-1/2-2/2-3/2-4
3	HBM2085	Hex bolt	12	
4	W20	Washer	24	
5	HNM20	Hex.Nut	24	
6	E75MC-T	Mount Cap	1	
7	E75MP	Mount Pin	2	
8	E75MPR	Mount Pin Ring	2	
9	E75MPS	Mount Pin Stopper	2	
10	E75MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE75S



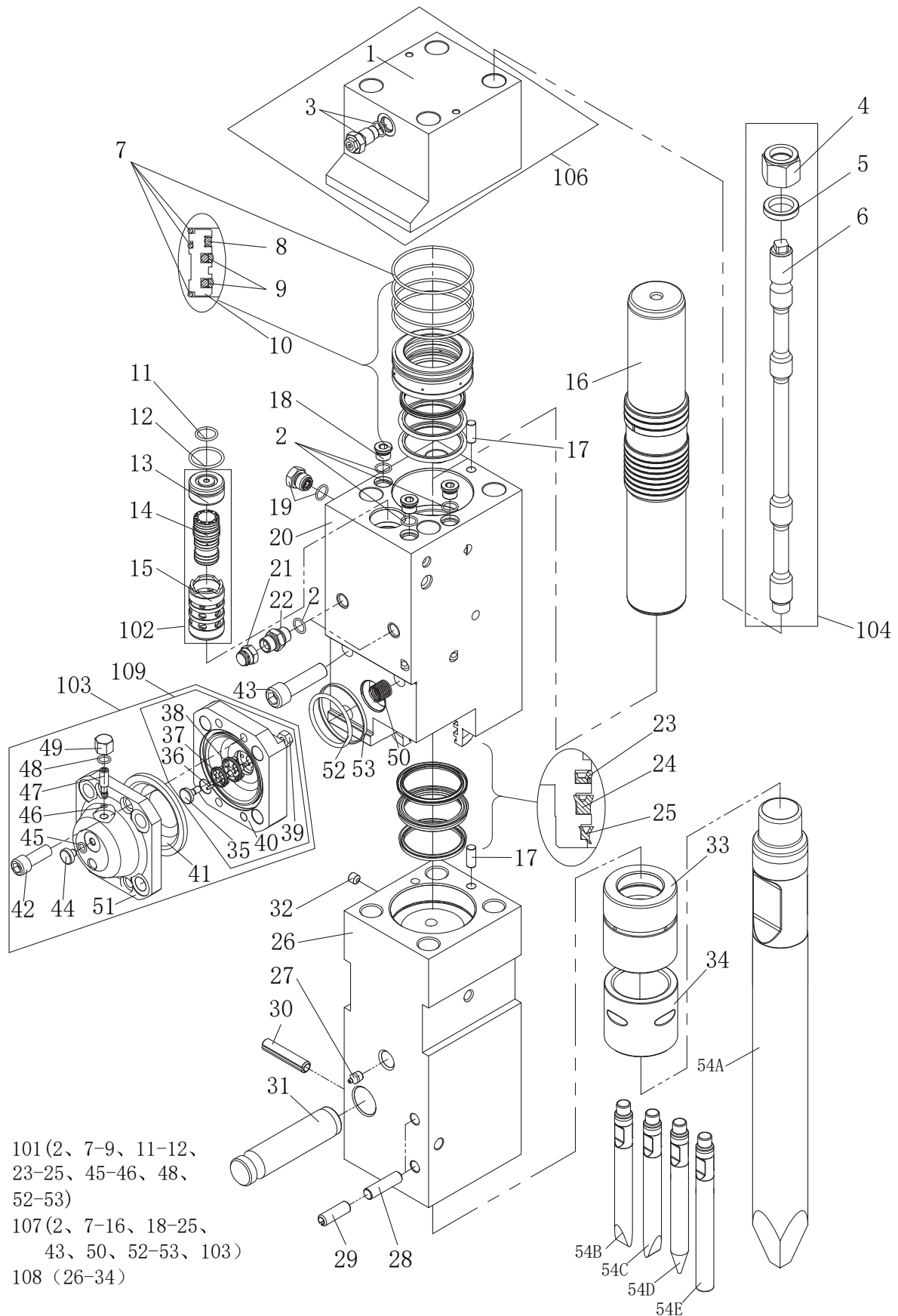
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E75F-S	Frame	1	
2	E75SB-AY	Side Bolt-AY	6	2-1/2-2/2-3/2-4
3	E75CPL	Clamping Plate	2	
4	E75GP	Guide Plate	2	
5	E75MP	Mount Pin	2	
6	E75MPR	Mount Pin Ring	2	
7	E75MPS	Mount Pin Stopper	2	
8	E75MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE75B



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E75F-B20	Frame	1	
2	E75CRD	Cross Damper	1	
3	E75BLD	Below Damper	1	
4	E75SDA	Side Damper A	3	
5	E75SDB	Side Damper B	6	
6	E75SDC	Side Damper C	1	
7	HBM2085	Hex bolt	10	
8	W20	Washer	20	
9	HN20	Hex.Nut	20	
10	E75CV	Cover Plate	1	
11	HBM1030	Hex bolt	6	
12	F10	Washer	6	
13	E75MC-B	Mount Cap	1	
14	E75MP	Mount Pin	2	
15	E75MPR	Mount Pin Ring	2	
16	E75MPS	Mount Pin Stopper	2	
17	E75MPB	Mount Pin Bush	4	
18	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE75A MAIN BODY PARTS

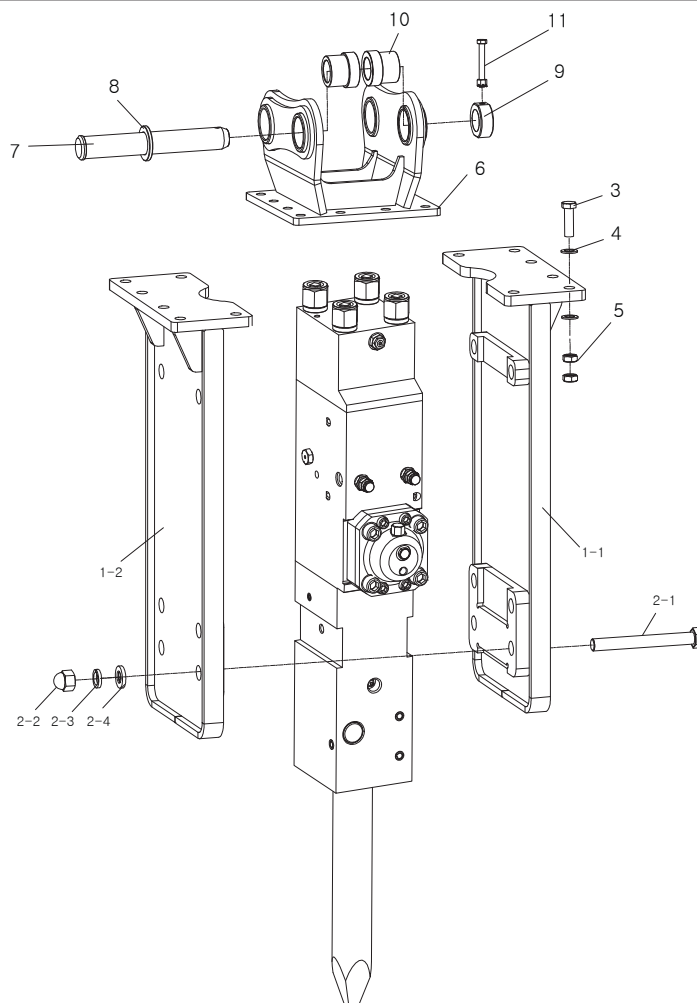


EDDIE75A MAIN BODY PARTS LIST

NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00435BH	Back Head	1	
2	SBP018	O-ring	7	
3	BHCVBF08	B/H Charging Valve	1	
4	00430TBHN	Through Bolt Hex. Nut	4	NSS
5	00430TBW	Through Bolt Washer	4	NSS
6	00435TB	Through Bolt	4	NSS
7	SAS243B	O-ring	4	NSS
8	SCG078	Gas Seal	1	NSS
9	SCS078	Step Seal	2	NSS
10	00435SR-A	Seal Retainer	1	
11	SBG025	O-ring	1	NSS
12	SBP042	O-ring	1	NSS
13	00430VC	Valve Cap	1	NSS
14	00430V	Valve	1	NSS
15	00430VS	Valve Sleeve	1	NSS
16	00435P	Piston	1	
17	00435KP	Knock Pin	2	
18	SPBF08	Socket Plug	3	
19	ACVBF08-1	Air Check Valve	1	
20	00435ACY-B2	Cylinder	1	
21	ACBF08	Adapter Cap	2	
22	SABFF08	Screwed Adapter	2	
23	SCB080	Buffer Seal	1	NSS
24	SCUP080	U-Packing	1	NSS
25	SCD080	Dust Seal	1	NSS
26	00435FH-X1	Front Head	1	
27	GNBT04	Grease Nipple	1	
28	00400SP-X1	Stop Pin	2	
29	SP1650	Spring Pin	2	
30	SP1680	Spring Pin	1	
31	00435RP-X1	Rod Pin	1	
32	SPBT04	Socket Plug	1	
33	00435RB-X1	Ring Bush	1	

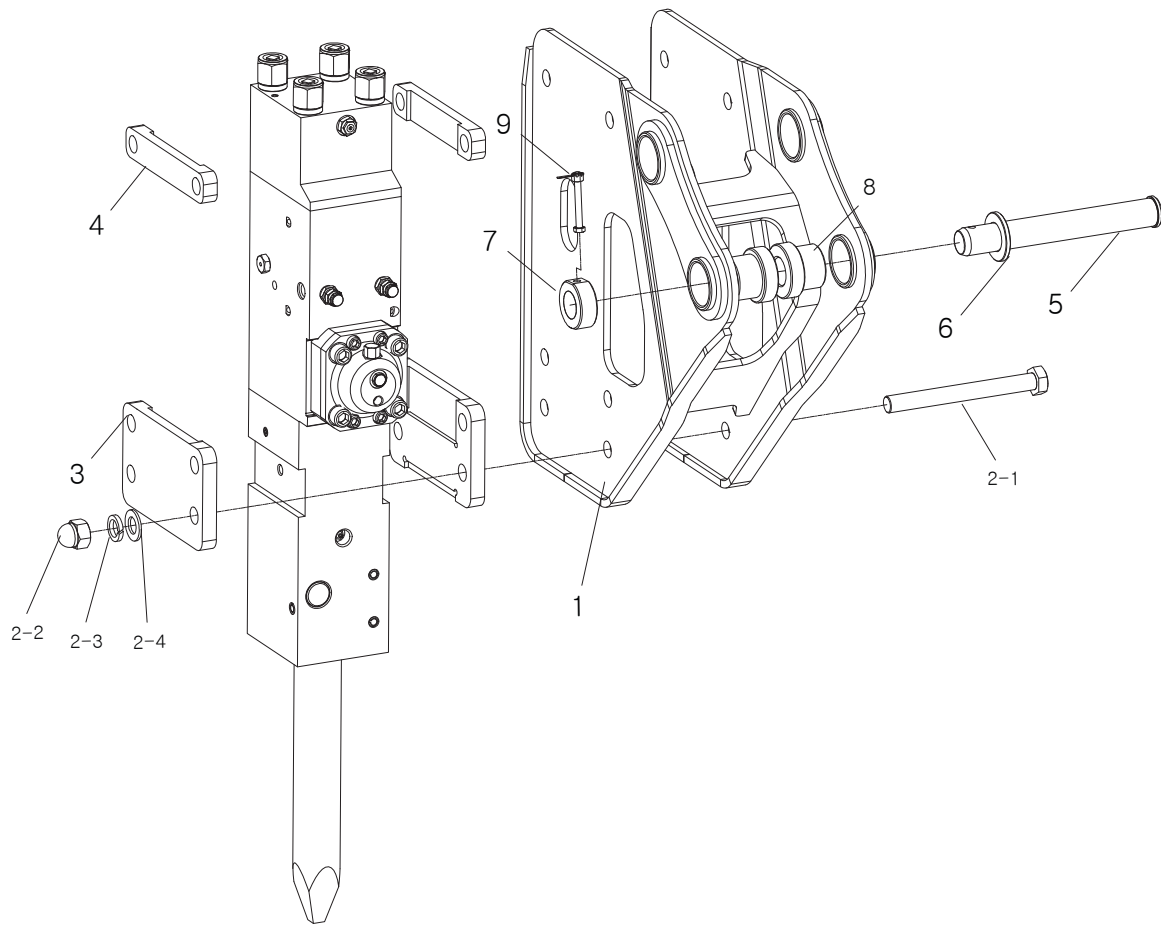
NO.	PART NO.	PART NAME	Q'TY	REMARKS
34	00435FC-X1	Front Cover	1	
35	00400AHBT	Acc. Holder Bolt	1	NSS
36	00400AHKP	Acc. Holder Knock Pin	1	NSS
37	00400AHA	Acc. Holder A	1	NSS
38	00400AHB	Acc. Holder B	1	NSS
39	00400AHN	Acc. Holder Nut	1	NSS
40	00400AB	Acc.Body	1	NSS
41	00400AD	Acc. Diaphragm	1	
42	SBM1435F112	Socket Bolt	4	
43	SBM207512	Socket Bolt	4	
44	02000AHP	Acc. Hex. Plug	1	
45	SBP011	O-ring	1	NSS
46	SBP005	O-ring	1	NSS
47	02000ACV	Acc. Charging Valve Cover	1	
48	SBP014	O-ring	1	NSS
49	02000ACVC	Acc. Valve Cover	1	
50	HCM202509	Heli Coil	4	
51	00400AC	Acc. Cover	1	
52	SBP075	O-ring	1	NSS
53	S4BP075	Back-up Ring	1	NSS
54A	00435T-M-X1	Φ75Tool-M Type	1	
54B	00435T-V-X1	Φ75Tool-V Type	1	
54C	00435T-H-X1	Φ75Tool-H Type	1	
54D	00435T-C-X1	Φ75Tool-C Type	1	
54E	00435T-B-X1	Φ75Tool-B Type	1	
101	00435AS-SR-A	Seal Kit	1	
102	00430V-AY	Valve Assy	1	
103	00400A-AY	Acc. Assy	1	
104	00435TB-AY	Through Bolt Assy	4	
105A	00435TLB-ST	Tool Box Assy-ST	1	
105B	00435TLB-B	Tool Box Assy-B	1	
106	00435BH-AY	Back Head Assy	1	
107	00435ACY-B2-AY	Cylinder Assy	1	
108	00435FH-X1-AY	Front Head Assy	1	
109	00400AB-AY	Acc.Body Assy	1	

EDDIE75AT



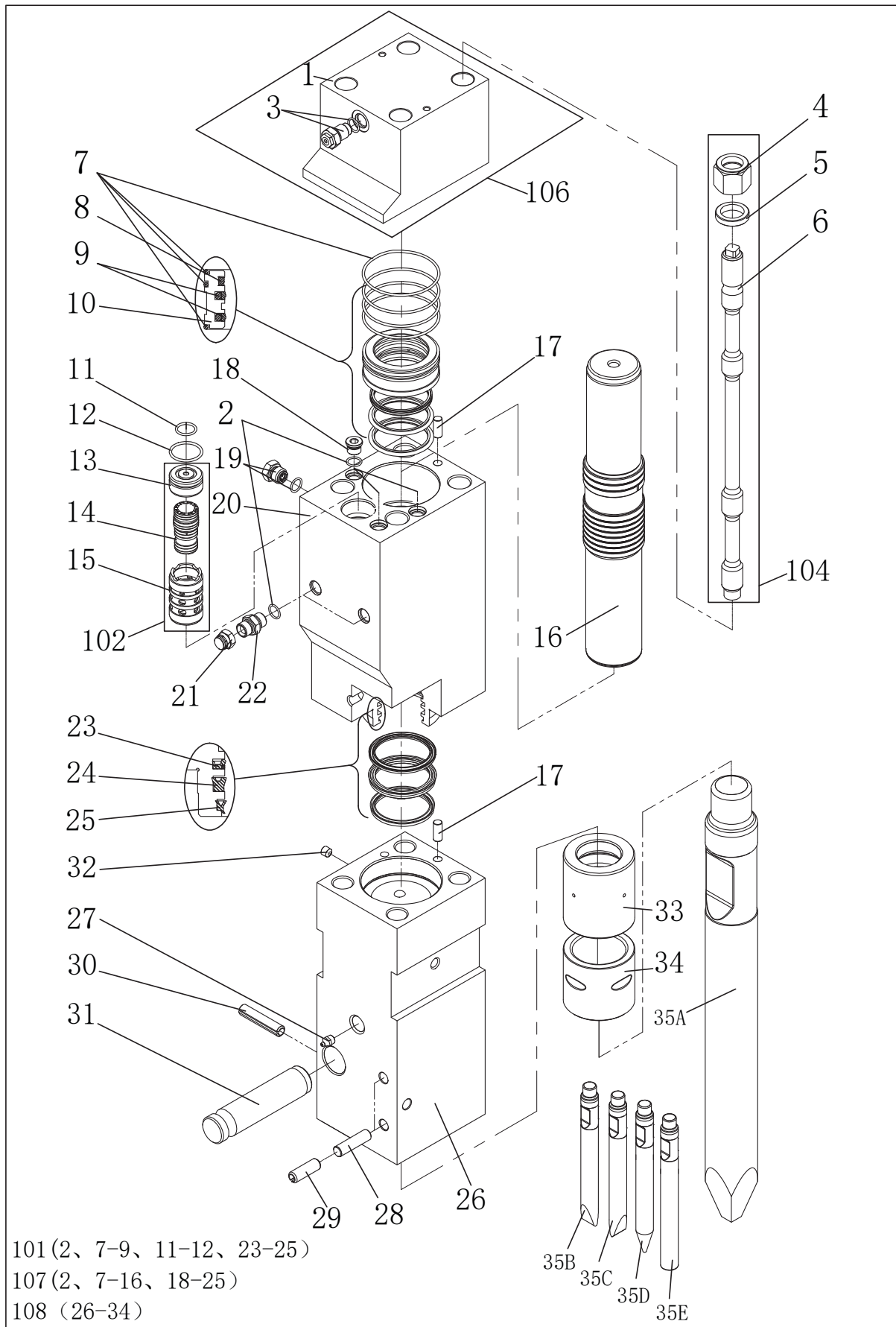
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E75AF-T	Frame	1	
2	E75ASB-AY	Side Bolt-AY	6	2-1/2-2/2-3/2-4
3	HBM2085	Hex bolt	12	
4	W20	Washer	24	
5	HNM20	Hex.Nut	24	
6	E75AMC-T	Mount Cap	1	
7	E75AMP	Mount Pin	2	
8	E75AMPB	Mount Pin Bush	4	
9	E75AMPS	Mount Pin Stopper	2	
10	E75AMPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE75AS



NO.	PART NO.	PART NAME	QTY	REMARKS
1	E75AF-S	Frame	1	
2	E75ASB-AY	Side Bolt-AY	6	2-1/2-2/2-3/2-4
3	E75ACPL	Clamping Plate	2	
4	E75AGP	Guide Plate	2	
5	E75AMP	Mount Pin	2	
6	E75AMPR	Mount Pin Ring	2	
7	E75AMPS	Mount Pin Stopper	2	
8	E75AMPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

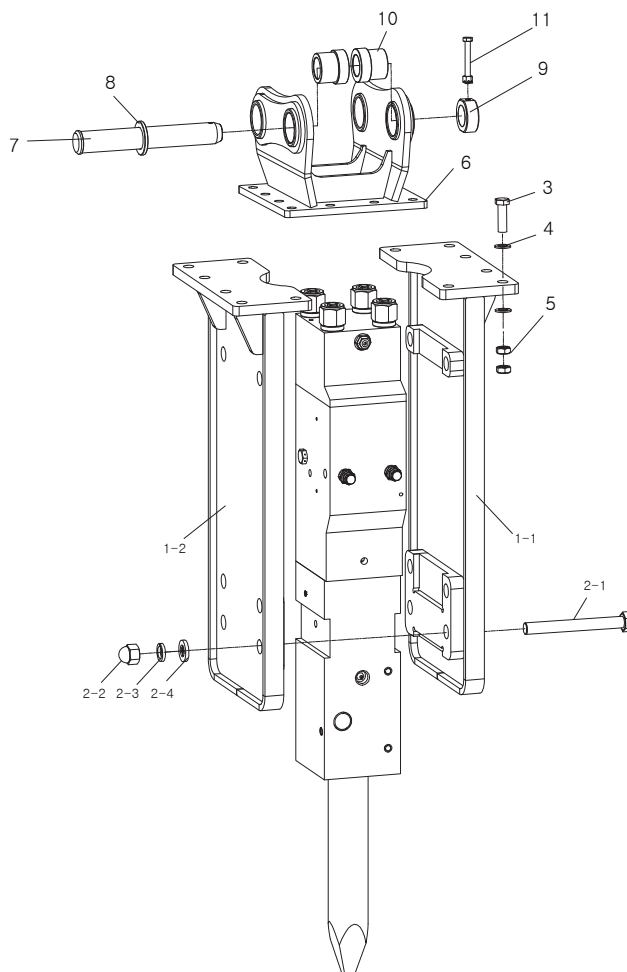
EDDIE80 MAIN BODY PARTS



EDDIE80 MAIN BODY PARTS LIST

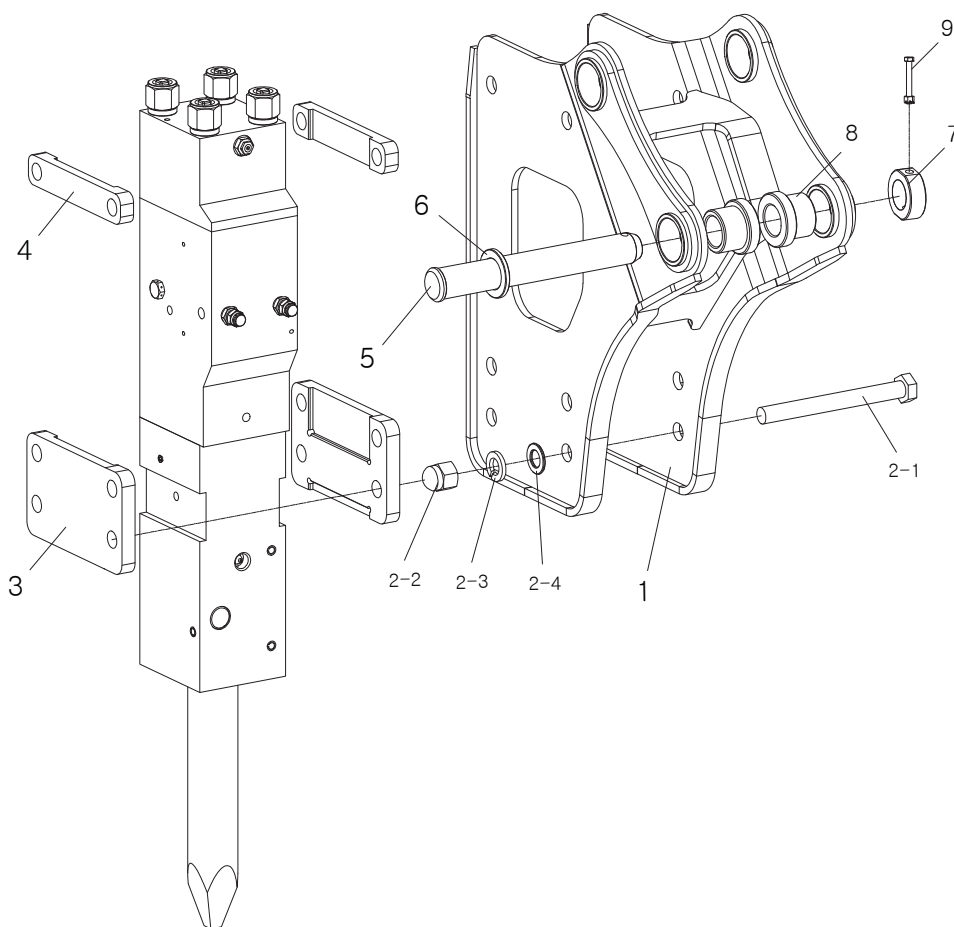
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00435BH	Back Head	1	
2	SBP018	O-ring	7	NSS
3	BHCVBF08	B/H Charging Valve	1	
4	00430TBHN	Through Bolt Hex. Nut	4	NSS
5	00430TBW	Through Bolt Washer	4	NSS
6	00435TB	Through Bolt	4	NSS
7	SAS243B	O-ring	4	NSS
8	SCG078	Gas Seal	1	NSS
9	SCS078	Step Seal	2	NSS
10	00435SR-A	Seal Retainer	1	
11	SBG025	O-ring	1	NSS
12	SBP042	O-ring	1	NSS
13	00430VC	Valve Cap	1	NSS
14	00430V	Valve	1	NSS
15	00430VS	Valve Sleeve	1	NSS
16	00435P	Piston	1	
17	00435KP	Knock Pin	2	
18	SPBF08	Socket Plug	3	
19	ACVBF08-1	Air Check Valve	1	
20	00435CY-B2	Cylinder	1	
21	ACBF08	Adapter Cap	2	
22	SABFF08	Screwed Adapter	2	
23	SCB080	Buffer Seal	1	NSS
24	SCUP080	U-Packing	1	NSS
25	SCD080	Dust Seal	1	NSS
26	00435FH-X1	Front Head	1	
27	GNBT04	Grease Nipple	1	
28	00400SP-X1	Stop Pin	2	
29	SP1650	Spring Pin	2	
30	SP1680	Spring Pin	1	
31	00435RP-X1	Rod Pin	1	
32	SPBT04	Plug	1	
33	00435SRB-X1	Ring Bush	1	
34	00435SFC-X1	Front Cover	1	
35A	00435ST-M-X1	Φ80Tool-M Type	1	
35B	00435ST-V-X1	Φ80Tool-V Type	1	
35C	00435ST-H-X1	Φ80Tool-H Type	1	
35D	00435ST-C-X1	Φ80Tool-C Type	1	
35E	00435ST-B-X1	Φ80Tool-B Type	1	
101	00435S-SR-A	Seal Kit	1	
102	00430V-AY	Valve Assy	1	
104	00435TB-AY	Through Bolt Assy	4	
105A	00435TLB-ST	Tool Box Assy-ST	1	
105B	00435TLB-B	Tool Box Assy-B	1	
106	00435BH-AY	Back Head Assy	1	
107	00435CY-B2-AY	Cylinder Assy	1	
108	00435SFH-X1-AY	Front Head Assy	1	

EDDIE80T



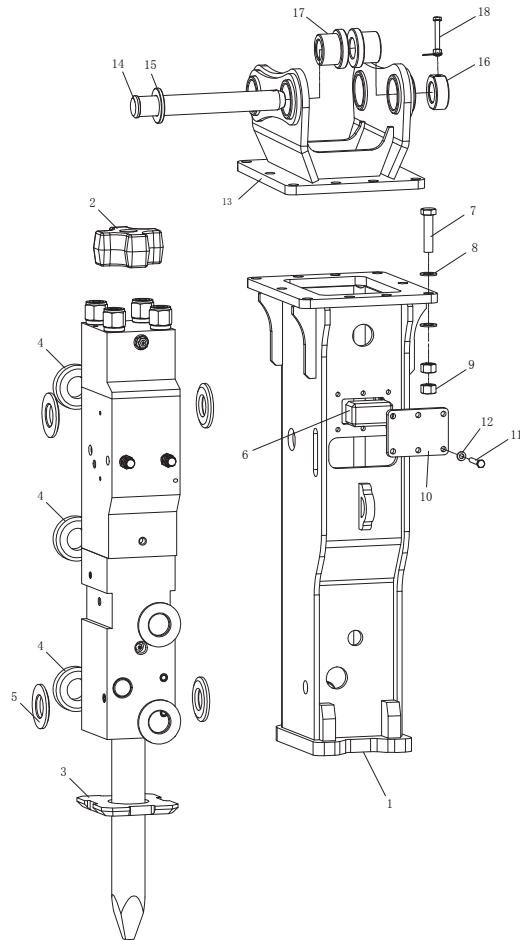
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E80F-T	Frame	1	
2	E80SB-AY	Side Bolt-AY	6	2-1/2-2/2-3/2-4
3	HBM2085	Hex bolt	12	
4	W20	Washer	24	
5	HNM20	Hex.Nut	24	
6	E80MC-T	Mount Cap	1	
7	E80MP	Mount Pin	2	
8	E80MPR	Mount Pin Ring	2	
9	E80MPS	Mount Pin Stopper	2	
10	E80MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE80S



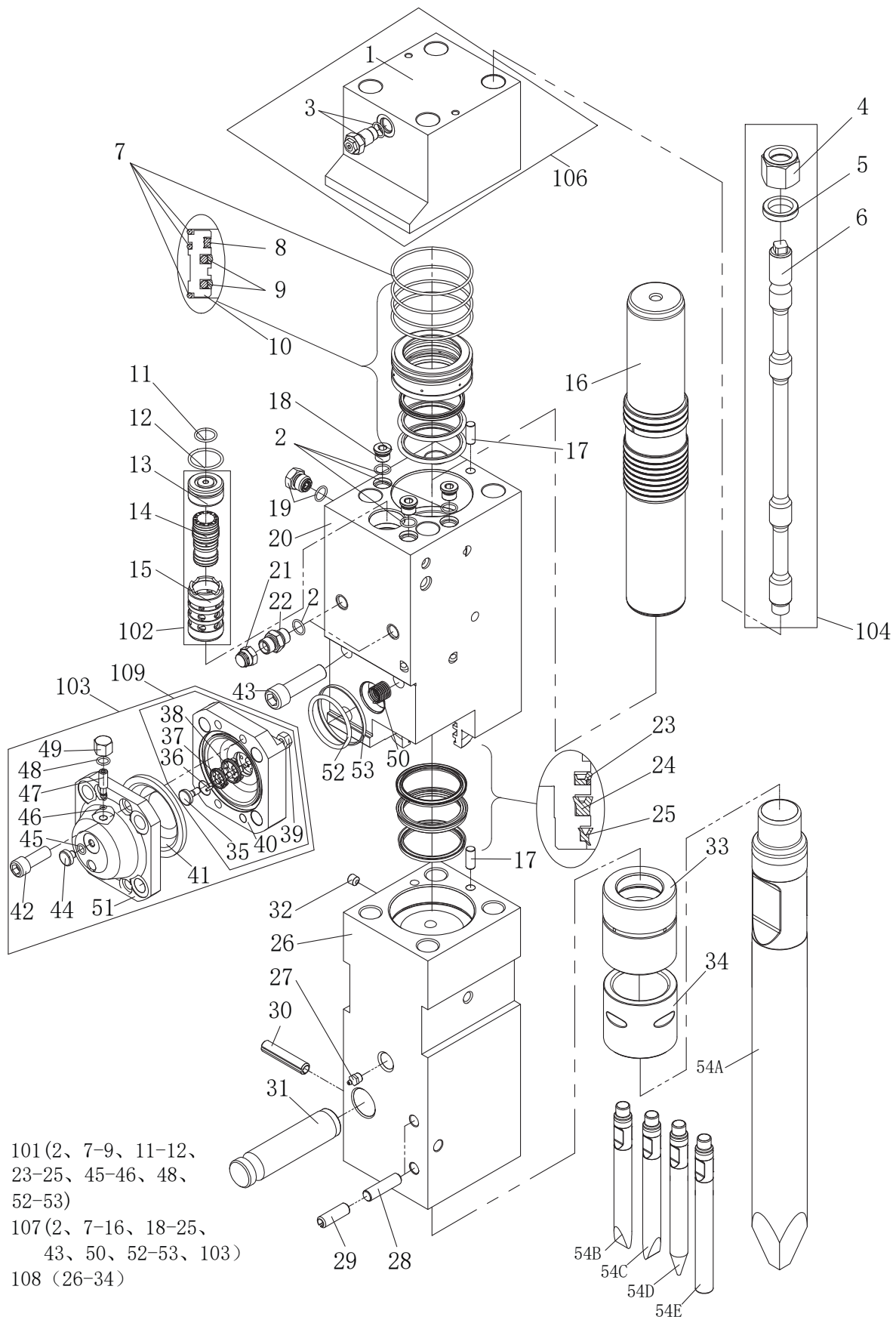
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E80F-S	Frame	1	
2	E80SB-AY	Side Bolt-AY	6	2-1/2-2/2-3/2-4
3	E80CPL	Clamping Plate	2	
4	E80GP	Guide Plate	2	
5	E80MP	Mount Pin	2	
6	E80MPR	Mount Pin Ring	2	
7	E80MPS	Mount Pin Stopper	2	
8	E80MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE80B



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E80F-B20	Frame	1	
2	E80CRD	Cross Damper	1	
3	E80BLD	Below Damper	1	
4	E80SDA	Side Damper A	3	
5	E80SDB	Side Damper B	6	
6	E80SDC	Side Damper C	1	
7	HBM2085	Hex bolt	10	
8	W20	Washer	20	
9	HNM20	Hex.Nut	20	
10	E80CV	Cover Plate	1	
11	HBM1030	Hex bolt	6	
12	F10	Washer	6	
13	E80MC-B	Mount Cap	1	
14	E80MP	Mount Pin	2	
15	E80MPR	Mount Pin Ring	2	
16	E80MPS	Mount Pin Stopper	2	
17	E80MPB	Mount Pin Bush	4	
18	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE80A MAIN BODY PARTS

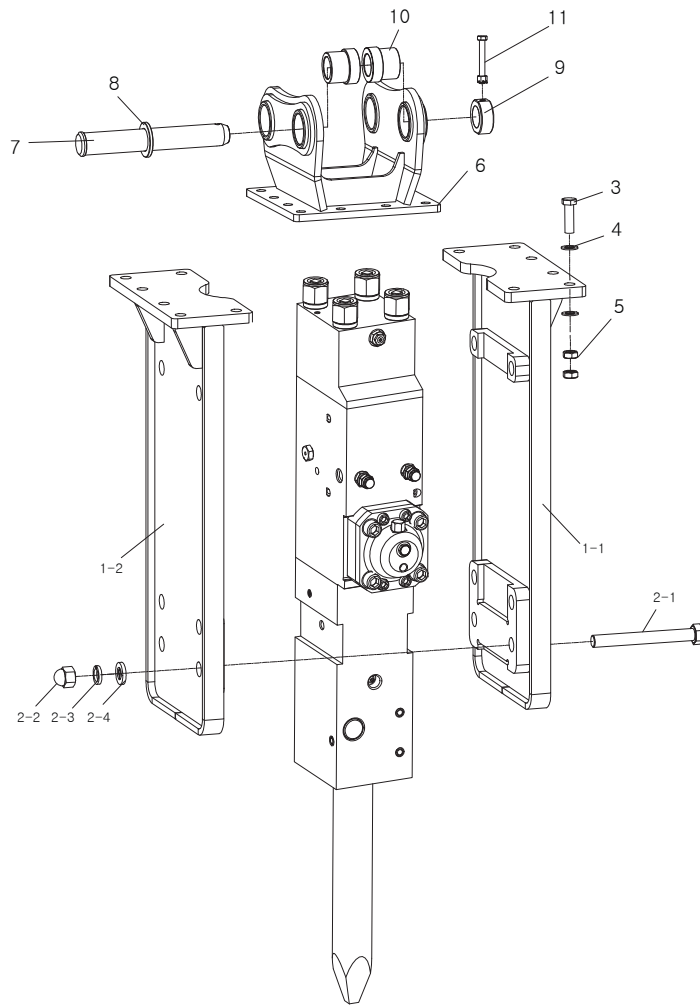


EDDIE80A MAIN BODY PARTS LIST

NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00435BH	Back Head	1	
2	SBP018	O-ring	7	NSS
3	BHCVBF08	B/H Charging Valve	1	
4	00430TBHN	Through Bolt Hex. Nut	4	NSS
5	00430TBW	Through Bolt Washer	4	NSS
6	00435TB	Through Bolt	4	NSS
7	SAS243B	O-ring	4	NSS
8	SCG078	Gas Seal	1	NSS
9	SCS078	Step Seal	2	NSS
10	00435SR-A	Seal Retainer	1	
11	SBG025	O-ring	1	NSS
12	SBP042	O-ring	1	NSS
13	00430VC	Valve Cap	1	NSS
14	00430V	Valve	1	NSS
15	00430VS	Valve Sleeve	1	NSS
16	00435P	Piston	1	
17	00435KP	Knock Pin	2	
18	SPBF08	Socket Plug	3	
19	ACVBF08-1	Air Check Valve	1	
20	00435ACY-B2	Cylinder	1	
21	ACBF08	Adapter Cap	2	
22	SABFF08	Screwed Adapter	2	
23	SCB080	Buffer Seal	1	NSS
24	SCUP080	U-Packing	1	NSS
25	SCD080	Dust Seal	1	NSS
26	00435FH-X1	Front Head	1	
27	GNBT04	Grease Nipple	1	
28	00400SP-X1	Stop Pin	2	
29	SP1650	Spring Pin	2	
30	SP1680	Spring Pin	1	
31	00435RP-X1	Rod Pin	1	
32	SPBT04	Socket Plug	1	
33	00435SRB-X1	Ring Bush	1	

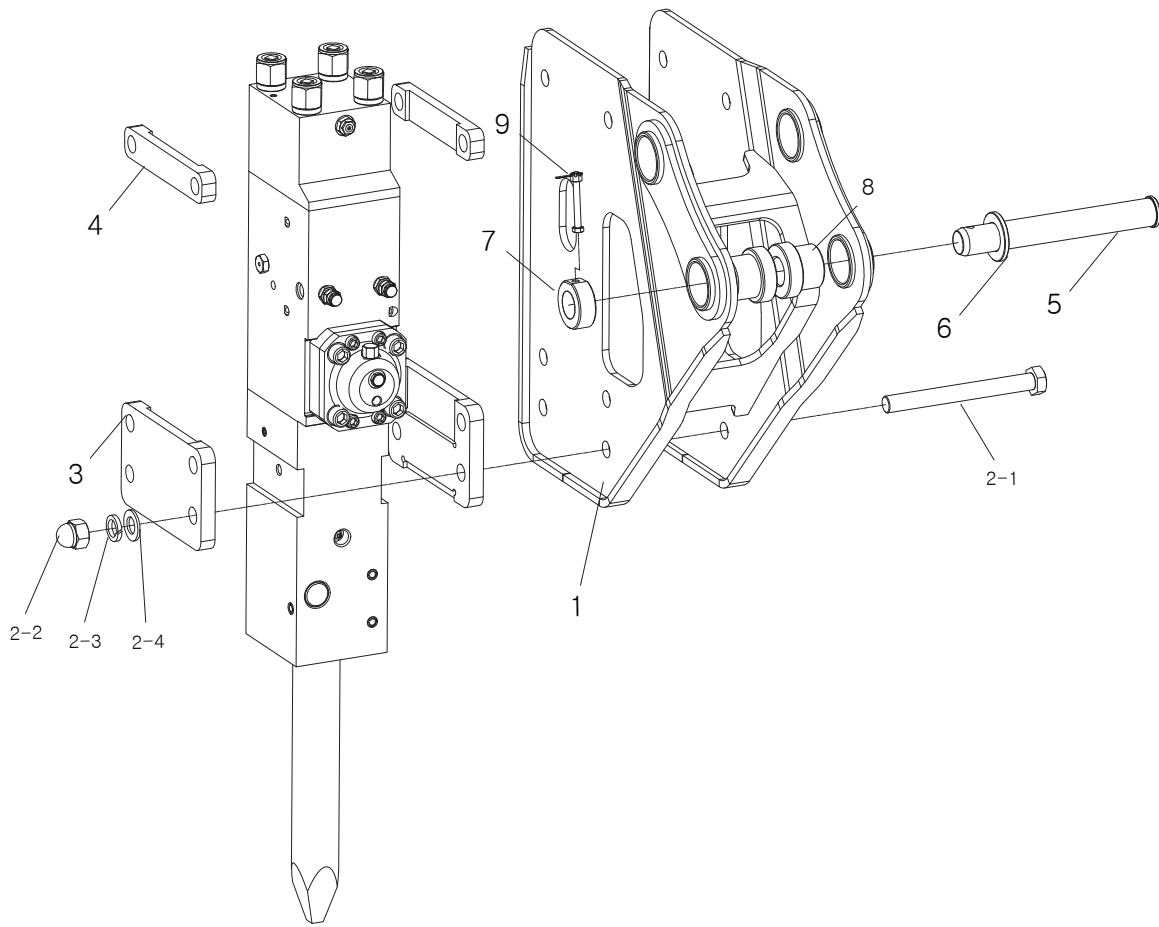
NO.	PART NO.	PART NAME	Q'TY	REMARKS
34	00435SFC-X1	Front Cover	1	
35	00400AHBT	Acc. Holder Bolt	1	NSS
36	00400AHKP	Acc. Holder Knock Pin	1	NSS
37	00400AHA	Acc. Holder A	1	NSS
38	00400AHB	Acc. Holder B	1	NSS
39	00400AHN	Acc. Holder Nut	1	NSS
40	00400AB	Acc.Body	1	NSS
41	00400AD	Acc. Diaphragm	1	
42	SBM1435F112	Socket Bolt	4	
43	SBM207512	Socket Bolt	4	
44	02000AHP	Acc. Hex. Plug	1	
45	SBP011	O-ring	1	NSS
46	SBP005	O-ring	1	NSS
47	02000ACV	Acc. Charging Valve Cover	1	
48	SBP014	O-ring	1	NSS
49	02000ACVC	Acc. Valve Cover	1	
50	HCM202509	Heli Coil	4	
51	00400AC	Acc. Cover	1	
52	SBP075	O-ring	1	NSS
53	S4BP075	Back-up Ring	1	NSS
54A	00435ST-M-X1	Φ80Tool-M Type	1	
54B	00435ST-V-X1	Φ80Tool-V Type	1	
54C	00435ST-H-X1	Φ80Tool-H Type	1	
54D	00435ST-C-X1	Φ80Tool-C Type	1	
54E	00435ST-B-X1	Φ80Tool-B Type	1	
101	00435AS-SR-A	Seal Kit	1	
102	00430V-AY	Valve Assy	1	
103	00400A-AY	Acc. Assy	1	
104	00435TB-AY	Through Bolt Assy	4	
105A	00435TLB-ST	Tool Box Assy-ST	1	
105B	00435TLB-B	Tool Box Assy-B	1	
106	00435BH-AY	Back Head Assy	1	
107	00435ACY-B2-AY	Cylinder Assy	1	
108	00435SFH-X1-AY	Front Head Assy	1	
109	00400AB-AY	Acc.Body Assy	1	

EDDIE80AT



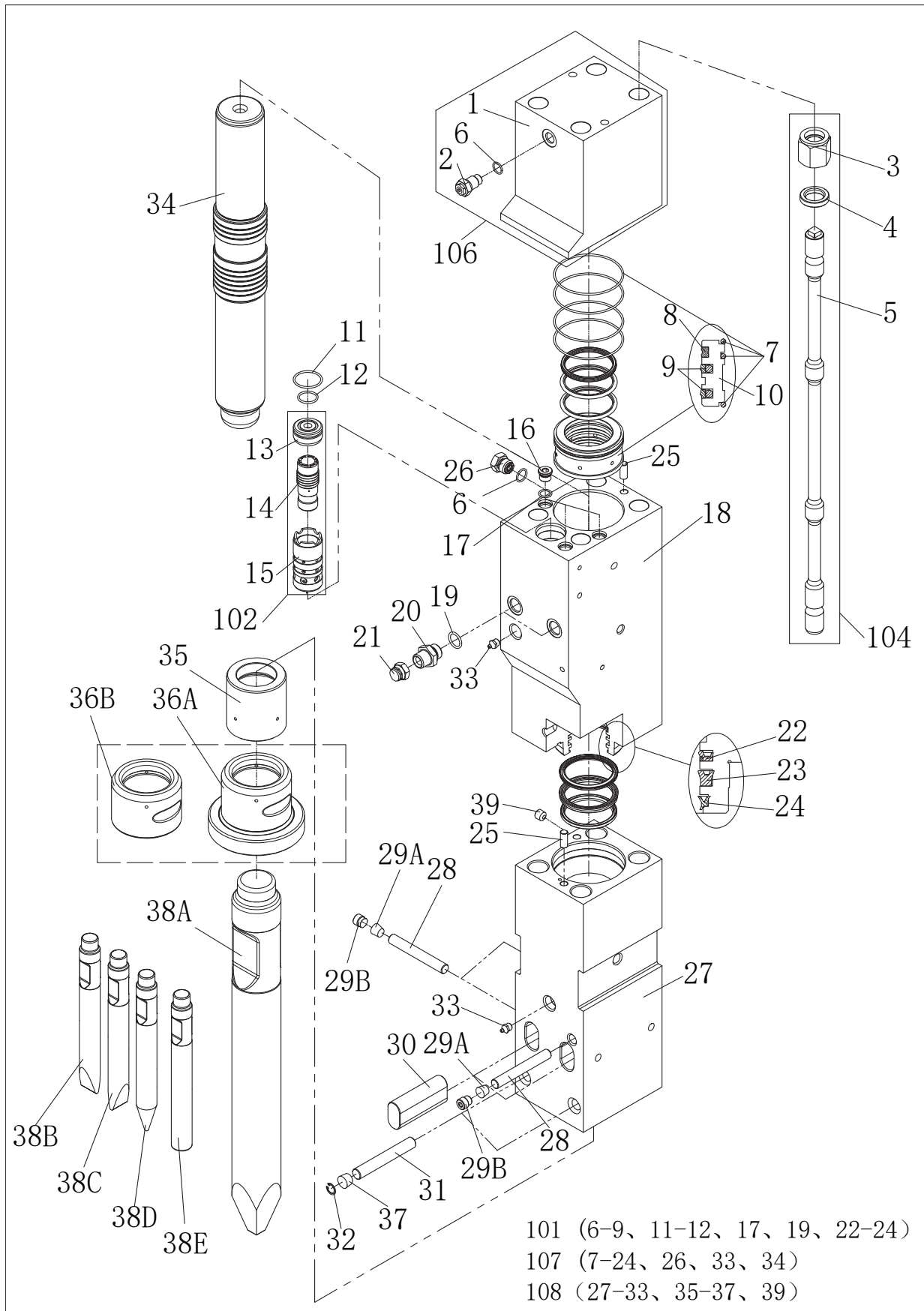
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E80AF-T	Frame	1	
2	E80ASB-AY	Side Bolt-AY	6	2-1/2-2/2-3/2-4
3	HBM2085	Hex bolt	12	
4	W20	Washer	24	
5	HNM20	Hex.Nut	24	
6	E80AMC-T	Mount Cap	1	
7	E80AMP	Mount Pin	2	
8	E80AMPB	Mount Pin Bush	4	
9	E80AMPS	Mount Pin Stopper	2	
10	E80AMPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE80AS



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E80AF-S	Frame	1	
2	E80ASB-AY	Side Bolt-AY	6	2-1/2-2/2-3/2-4
3	E80ACPL	Clamping Plate	2	
4	E80AGP	Guide Plate	2	
5	E80AMP	Mount Pin	2	
6	E80AMPR	Mount Pin Ring	2	
7	E80AMPS	Mount Pin Stopper	2	
8	E80AMPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

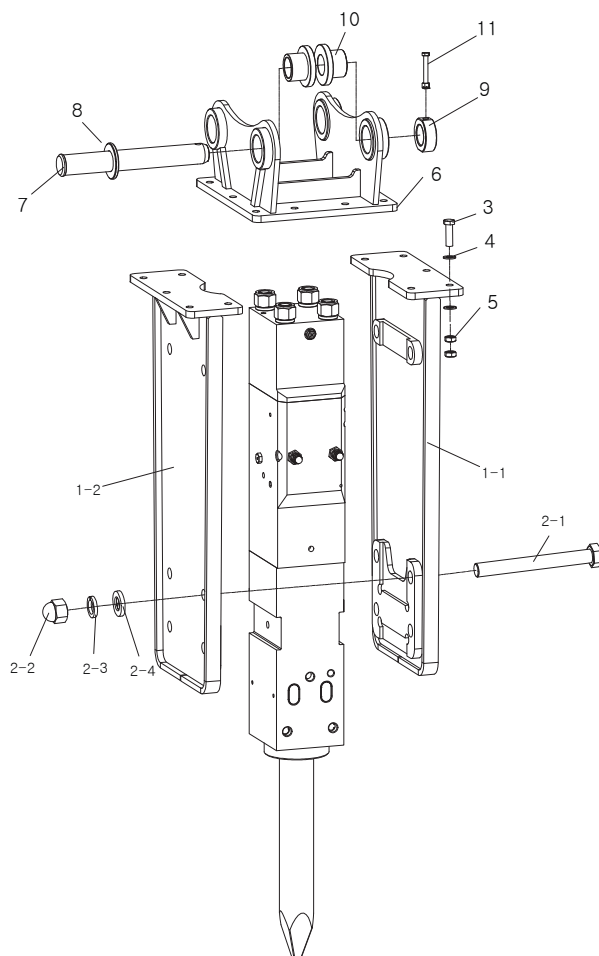
EDDIE85 MAIN BODY PARTS



EDDIE85 MAIN BODY PARTS LIST

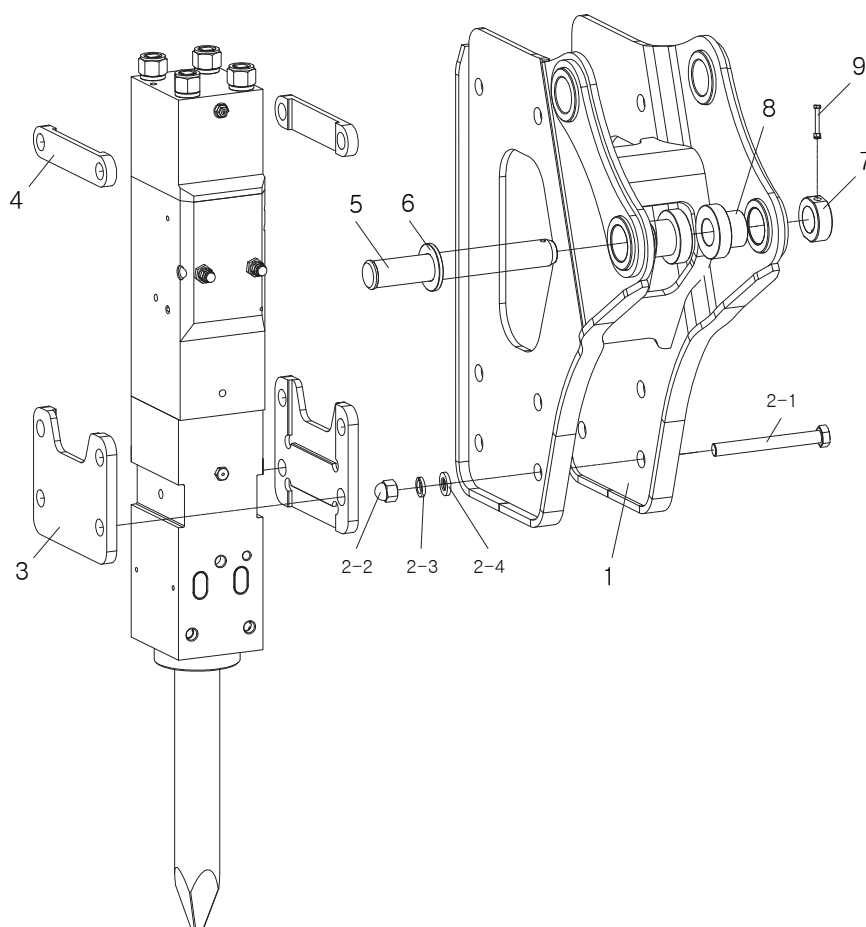
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00450BH	Back Head	1	
2	BHCVBF08	B/H Charging Valve	1	
3	00450TBHN-X2	Through Bolt Hex. Nut	4	NSS
4	00450TBW-X1	Through Bolt Washer	4	NSS
5	00450TB-X2	Through Bolt	4	NSS
6	SBP018	O Ring	2	NSS
7	SBG115	O Ring	4	NSS
8	SCG83.5	Gas Seal	1	NSS
9	SCS83.5	Step Seal	2	NSS
10	00450SR-A	Seal Retainer	1	
11	SBG045	O Ring	1	NSS
12	SBG030	O Ring	1	NSS
13	00450VC	Valve Cap	1	NSS
14	00450V	Valve	1	NSS
15	00450VS	Valve Sleeve	1	NSS
16	SPBF08	Socket Plug	3	
17	SBP018	O Ring	3	NSS
18	00450AGCY	Cylinder	1	
19	SBP22.4	O Ring	2	NSS
20	SABFF12	Screwed Adapter	2	
21	ACBF12	Adapter Cap	2	
22	SCB085	Buffer Seal	1	NSS
23	SCUP085	U-Packing	1	NSS
24	SCD085	Dust Seal	1	NSS
25	00435KP	Knock Pin	2	
26	ACVBF08-1	Air Check Valve	1	
27	00450AGFH-B	Front Head	1	
28	00450SP	Stop Pin	3	
29A	RP18	Rubber Plug	3	
29B	SRPM20	Screwed Rubber Plug(S)	3	
30	00450RP	Rod Pin	2	
31	00450FCP	Front Cover Pin	2	
32	SRH20	Snap Ring	2	
33	GNBT04	Grease Nipple	2	
34	00450P	Piston	1	
35	00450AGRB-X2	Ring Bush	1	
36A	00450FC-X2	Front Cover	1	
36B	00450FCS-X2	Front Cover(S)	1	
37	RP20	Rubber Plug	2	
38A	00450T-M	Tool-M Type	1	
38B	00450T-V	Tool-V Type	1	
38C	00450T-H	Tool-H Type	1	
38D	00450T-C	Tool-C Type	1	
38E	00450T-B	Tool-B Type	1	
39	SPBT04	Socket Plug	1	
101	00450S-SR-A	Seal Kit	1	
102	00450V-AY	Valve Assy	1	
104	00450TB-X2-AY	Through Bolt Assy	4	
105A	00450TLB-ST	Tool Box Assy-ST	1	
105B	00450TLB-B	Tool Box Assy-B	1	
106	00450BH-AY	Back Head Assy	1	
107	00450AGCY-AY	Cylinder Assy	1	
108	00450AGFH-B-AY	Front Head Assy	1	

EDDIE85T



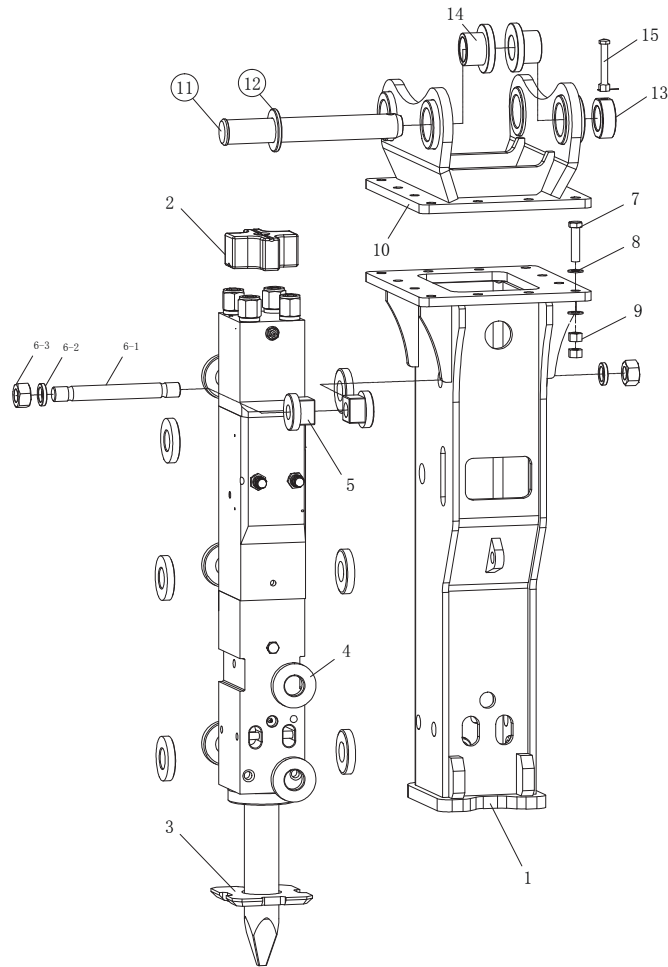
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E85F-T	Frame	1	
2	E85SB-AY	Side Bolt-AY	6	2-1/2-2/2-3/2-4
3	HBM2085	Hex bolt	12	
4	W20	Washer	24	
5	HNM20	Hex.Nut	24	
6	E85MC-T	Mount Cap	1	
7	E85MP	Mount Pin	2	
8	E85MPR	Mount Pin Ring	2	
9	E85MPS	Mount Pin Stopper	2	
10	E85MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE85S



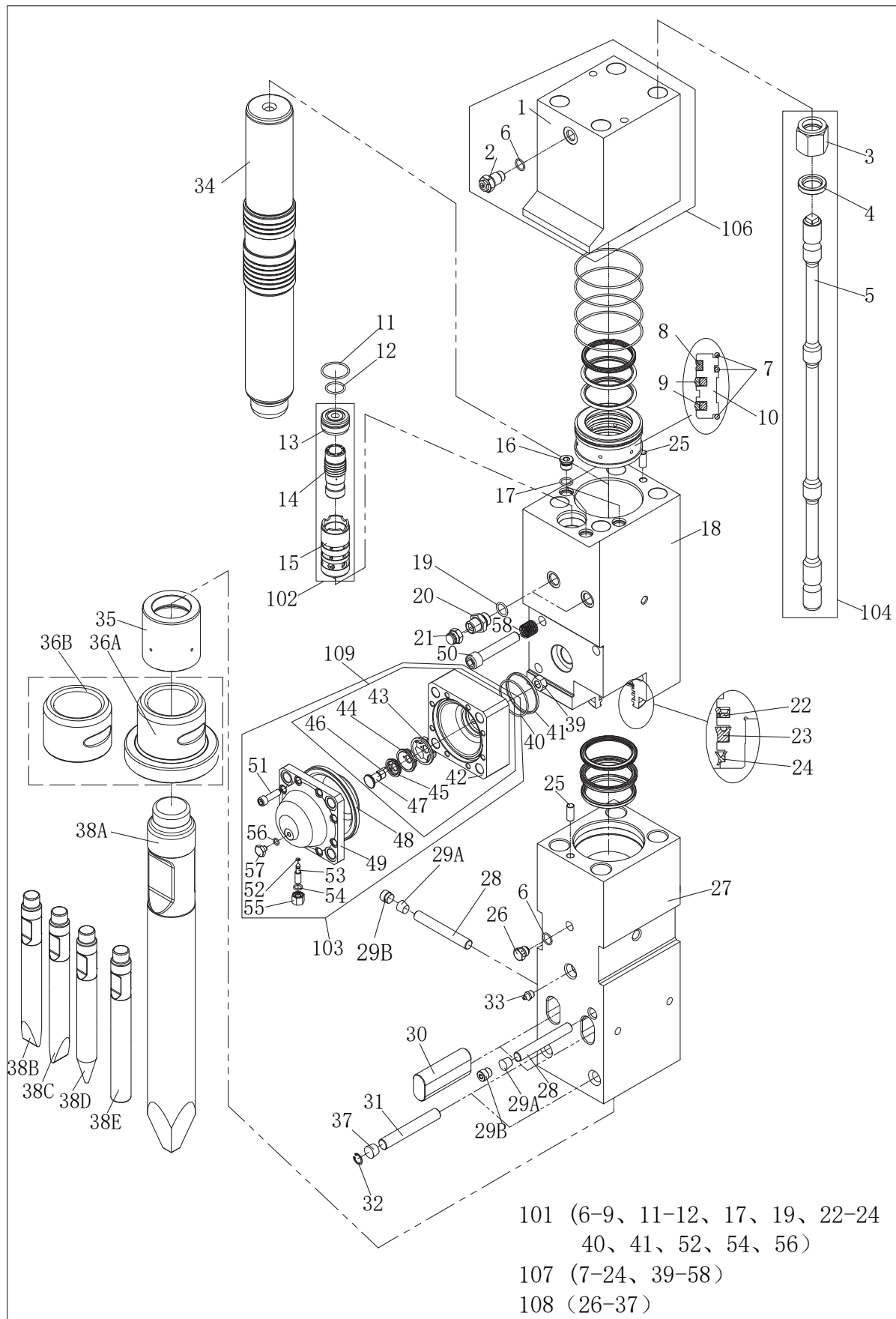
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E85F-S	Frame	1	
2	E85SB-AY	Side Bolt-AY	6	2-1/2-2/2-3/2-4
3	E85CPL	Clamping Plate	2	
4	E85GP	Guide Plate	2	
5	E85MP	Mount Pin	2	
6	E85MPR	Mount Pin Ring	2	
7	E85MPS	Mount Pin Stopper	2	
8	E85MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE85B



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E85F-B20	Frame	1	
2	E85CRD	Cross Damper	1	
3	E85BLD	Below Damper	1	
4	E85SDA	Side Damper A	11	
5	E85SBD	Side Bolt Damper	2	
6	E85SB-BAY	Side Bolt Assy	1	6-1/6-2/6-3
7	HBM2085	Hex bolt	12	
8	W20	Washer	24	
9	HNM20	Hex.Nut	24	
10	E85MC-B	Mount Cap	1	
11	E85MP	Mount Pin	2	
12	E85MPR	Mount Pin Ring	2	
13	E85MPS	Mount Pin Stopper	2	
14	E85MPB	Mount Pin Bush	2	
15	HBWH-AY	Hex bolt With Hole Assy	4	

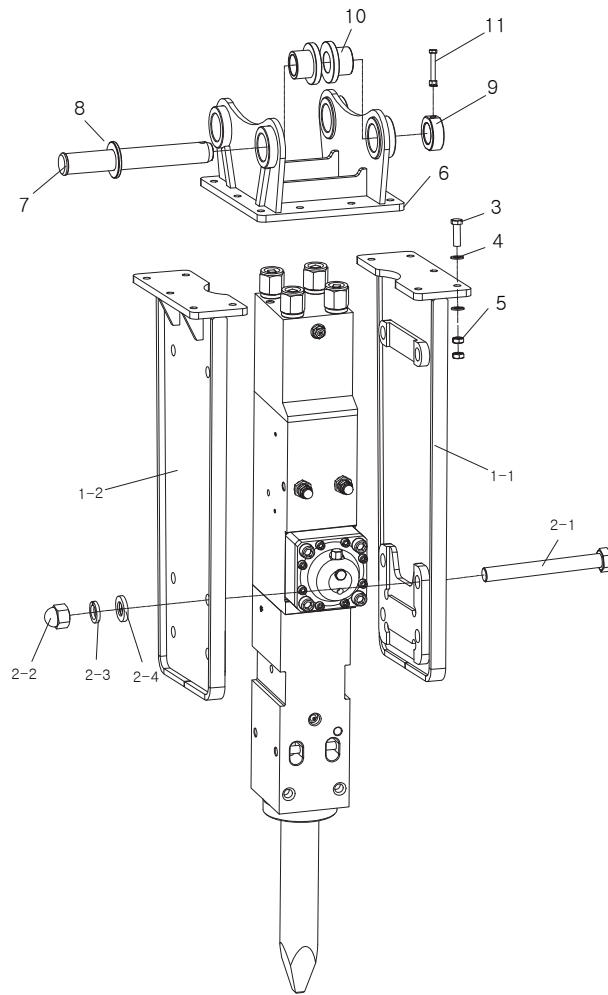
EDDIE85A MAIN BODY PARTS



EDDIE85A MAIN BODY PARTS LIST

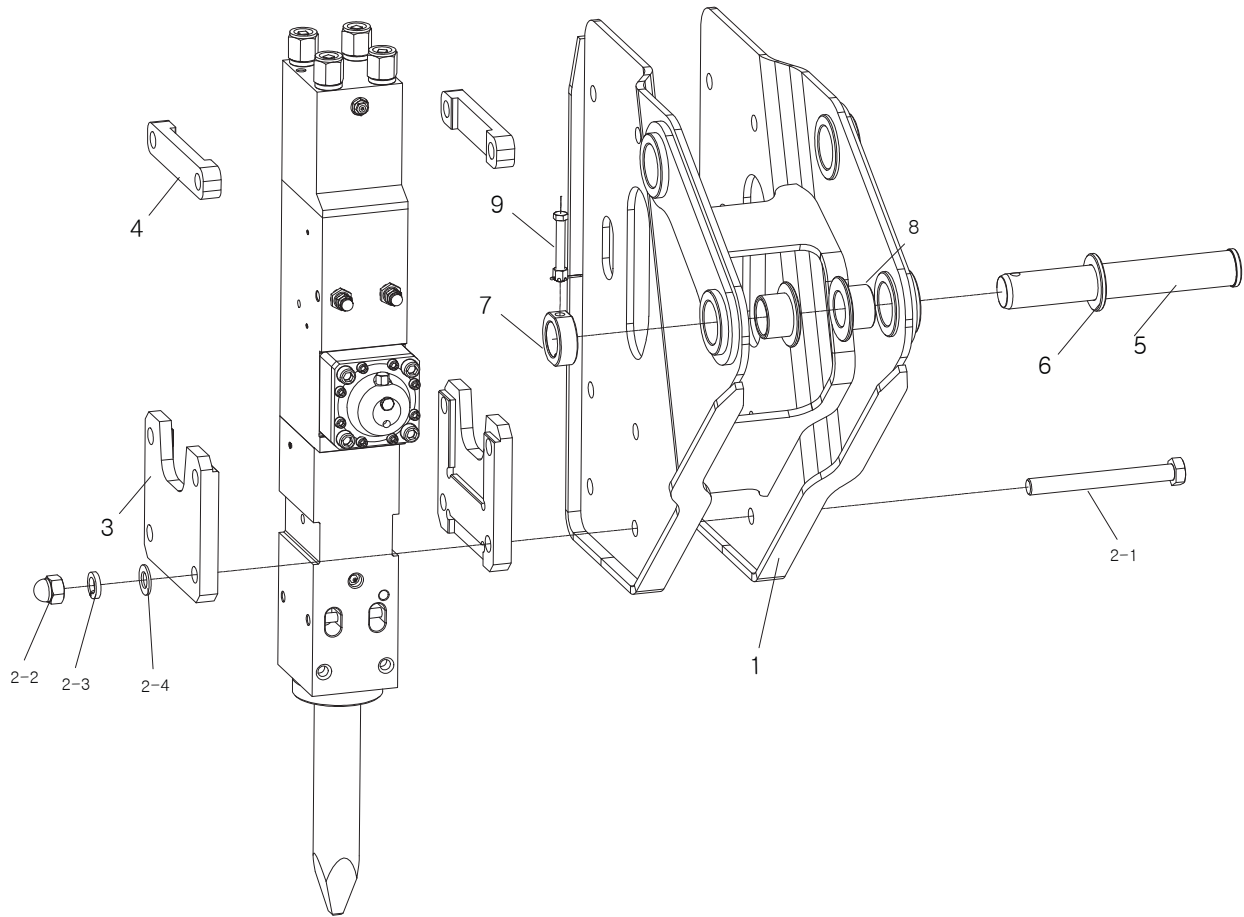
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00450BH	Back Head	1		36B	00450FCS-X2	Front Cover(S)	1	
2	BHCVBF08	B/H Charging Valve	1		37	RP20	Rubber Plug	2	
3	00450TBHN-X2	Through Bolt Hex. Nut	4	NSS	38A	00450T-M	Tool-M Type	1	
4	00450TBW-X1	Through Bolt Washer	4	NSS	38B	00450T-V	Tool-V Type	1	
5	00450TB-X2	Through Bolt	4	NSS	38C	00450T-H	Tool-H Type	1	
6	SBP018	O Ring	2	NSS	38D	00450T-C	Tool-C Type	1	
7	SBG115	O Ring	4	NSS	38E	00450T-B	Tool-B Type	1	
8	SCG83.5	Gas Seal	1	NSS	39	00800AHN	Acc. Holder Nut	1	NSS
9	SCS83.5	Step Seal	2	NSS	40	SBP075	O Ring	1	NSS
10	00450SR-A	Seal Retainer	1		41	S4BP075	Back-up Ring	1	NSS
11	SBG045	O Ring	1	NSS	42	00450AB	Acc. Body	1	NSS
12	SBG030	O Ring	1	NSS	43	00800AHC	Acc. Holder C	1	NSS
13	00450VC	Valve Cap	1	NSS	44	00800AHB	Acc. Holder B	1	NSS
14	00450V	Valve	1	NSS	45	00800AHA	Acc. Holder A	1	NSS
15	00450VS	Valve Sleeve	1	NSS	46	00800AHKP	Acc. Holder Knock Pin	1	NSS
16	SPBF08	Socket Plug	3		47	00800AHBT	Acc. Holder Bolt	1	NSS
17	SBP018	O Ring	5	NSS	48	00450AD	Acc. Diaphragm	1	
18	00450ACY	Cylinder	1		49	00450AC	Acc. Cover	1	
19	SBP22.4	O Ring	2	NSS	50	SBM2011012	Socket Bolt	4	
20	SABFF12	Screwed Adapter	2		51	SBM124012	Socket Bolt	8	
21	ACBF12	Adapter Cap	2		52	SBP005	O Ring	1	NSS
22	SCB085	Buffer Seal	1	NSS	53	02000ACV	Acc. Charging Valve	1	
23	SCUP085	U-Packing	1	NSS	54	SBP014	O Ring	1	NSS
24	SCD085	Dust Seal	1	NSS	55	02000ACVC	Acc. Charging Valve Cover	1	
25	00435KP	Knock Pin	2		56	SBP011	O Ring	1	NSS
26	ACVBF08-2	Air Check Valve	1		57	02000AHP	Acc. Hex. Plug	1	
27	00450AGFH-B	Front Head	1		58	HCM202509	Heli Coil	4	
28	00450SP	Stop Pin	3		101	00450AS-SR-A	Seal Kit	1	
29A	RP18	Rubber Plug	3		102	00450V-AY	Valve Assy	1	
29B	SRPM20	Screwed Rubber Plug(S)	3		103	00450A-AY	Acc. Assy	1	
30	00450RP	Rod Pin	2		104	00450TB-X2-AY	Through Bolt Assy	4	
31	00450FCP	Front Cover Pin	2		105A	00450TLB-ST	Tool Box Assy-ST	1	
32	SRH20	Snap Ring	2		105B	00450TLB-B	Tool Box Assy-B	1	
33	GNBT04	Grease Nipple	1		106	00450BH-AY	Back Head Assy	1	
34	00450P	Piston	1		107	00450ACY-AY	Cylinder Assy	1	
35	00450AGRB-X2	Ring Bush	1		108	00450AGFH-B-AY	Front Head Assy	1	
36A	00450FC-X2	Front Cover	1		109	00450AB-AY	Acc.Body Assy	1	

EDDIE85AT



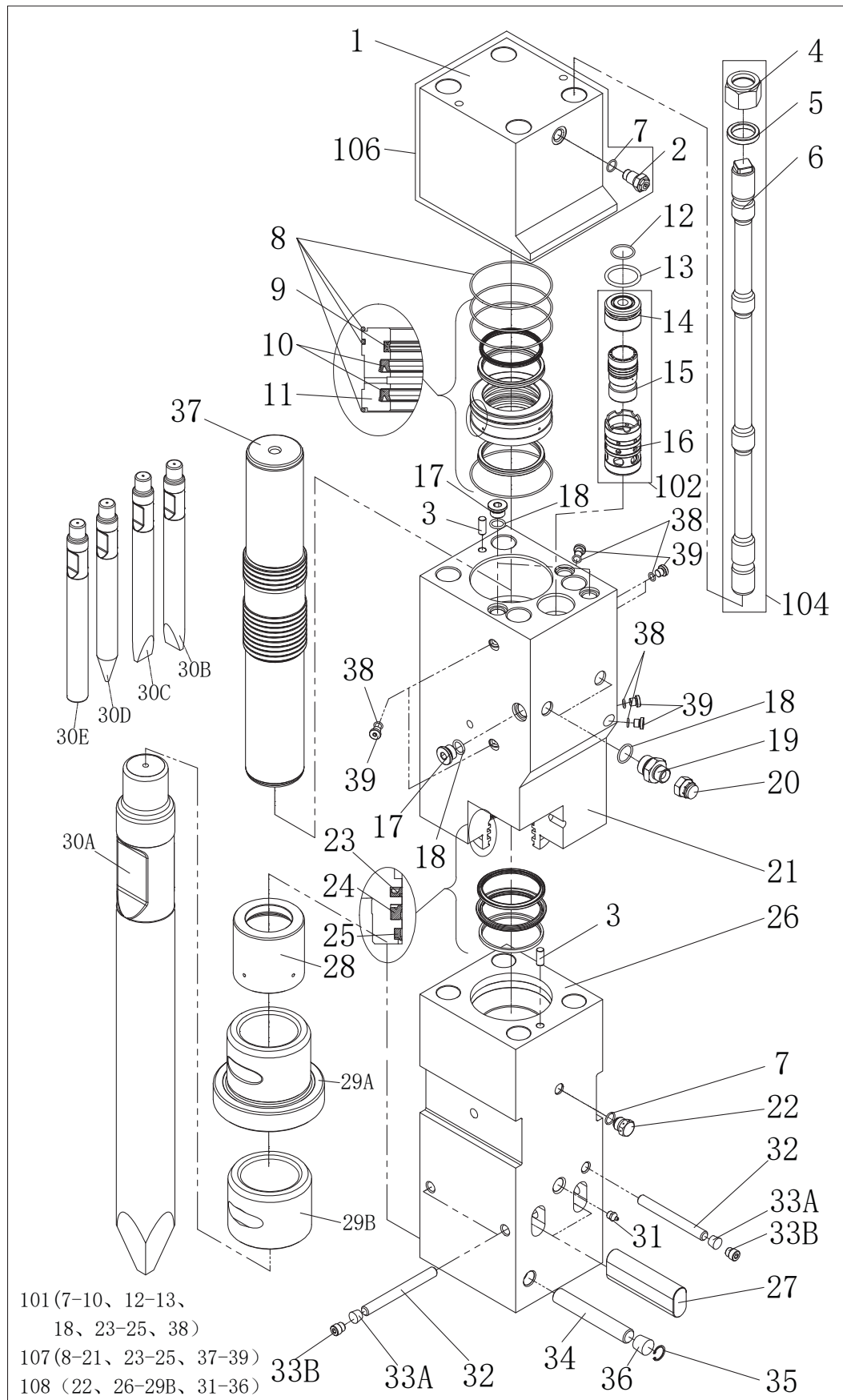
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E85AF-T	Frame	1	
2	E85ASB-AY	Side Bolt-AY	6	2-1/2-2/2-3/2-4
3	HBM2085	Hex bolt	12	
4	W20	Washer	24	
5	HNM20	Hex.Nut	24	
6	E85AMC-T	Mount Cap	1	
7	E85AMP	Mount Pin	2	
8	E85AMPB	Mount Pin Bush	4	
9	E85AMPS	Mount Pin Stopper	2	
10	E85AMPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE85AS



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E85AF-S	Frame	1	
2	E85ASB-AY	Side Bolt-AY	6	2-1/2-2/2-3/2-4
3	E85ACPL	Clamping Plate	2	
4	E85AGP	Guide Plate	2	
5	E85AMP	Mount Pin	2	
6	E85AMPR	Mount Pin Ring	2	
7	E85AMPS	Mount Pin Stopper	2	
8	E85AMPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

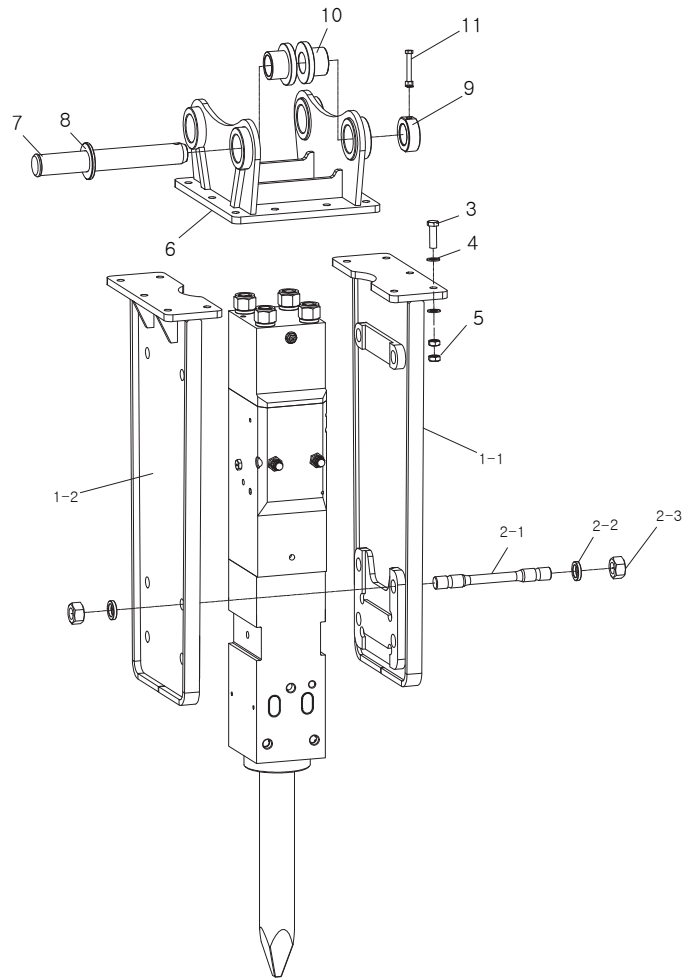
EDDIE100 MAIN BODY PARTS



EDDIE100 MAIN BODY PARTS LIST

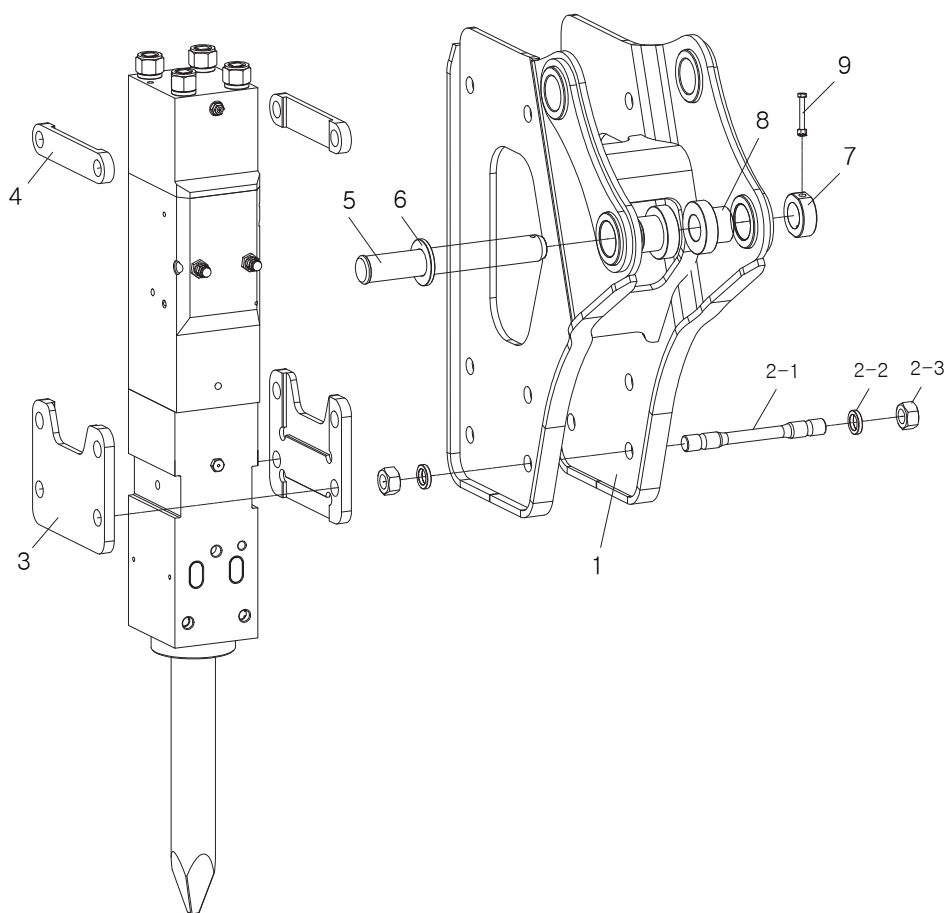
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00800BH	Back Head	1		27	00800RP	Rod Pin	2	
2	BHCVBF08	B/H Charging Valve	1		28	00800AGRB-X1	Ring Bush	1	
3	00435KP	Knock Pin	2		29A	00800FC	Front Cover	1	
4	00800TBHN-X1	Through Bolt Hex. Nut	4	NSS	29B	00800FCS-X2	Front Cover(BOX)	1	
5	00800TBW	Through Bolt Washer	4	NSS	30A	00800T-M	Tool-M Type	1	
6	00800TB-X1	Through Bolt	4	NSS	30B	00800T-V	Tool-V Type	1	
7	SBP018	O Ring	2	NSS	30C	00800T-H	Tool-H Type	1	
8	SBG135	O Ring	4	NSS	30D	00800T-C	Tool-C Type	1	
9	SCG098	Gas Seal	1	NSS	30E	00800T-B	Tool-B Type	1	
10	SCUP098	U-Packing	2	NSS	31	GNBT04	Grease Nipple	1	
11	00800SR-A	Seal Retainer	1		32	00800SP	Stop Pin	3	
12	SBG035	O Ring	1	NSS	33A	RP18	Rubber Plug	3	
13	SBP052	O Ring	1	NSS	33B	SRPM20	Screwed Rubber Plug(S)	3	
14	00800VC	Valve Cap	1	NSS	34	00800FCP	Front Cover Pin	1	
15	00800V	Valve	1	NSS	35	SRH26	Snap Ring	1	
16	00800VS	Valve Sleeve	1	NSS	36	RP26	Rubber Plug	1	
17	SPBF12	Socket Plug	4		37	00800P	Piston	1	
18	SBP22.4	O Ring	4	NSS	38	SBP011	O Ring	7	NSS
19	SABFF12	Screwed Adapter	2		39	SPBF04	Socket Plug	7	
20	ACBF12	Adapter Cap	2		101	00800S-CY-A1	Seal Kit	1	
21	00800CY-A1	Cylinder	1		102	00800V-AY	Valve Assy	1	
22	ACVBF08-2	Air Check Valve	1		104	00800TB-X1-AY	Through Bolt Assy	1	
23	SCB100-2	Buffer Seal	1	NSS	105A	00800TLB-ST	Tool Box Assy-ST	1	
24	SCUP100	U-Packing	1	NSS	105B	00800TLB-B	Tool Box Assy-B	1	
25	SCD100	Dust Seal	1	NSS	106	00800BH-AY	Back Head Assy	1	
26	00800FH-X2	Front Head	1		107	00800CY-A1-AY	Cylinder Assy	1	
					108	00800FH-X2-AY	Front Head Assy	1	

EDDIE100T



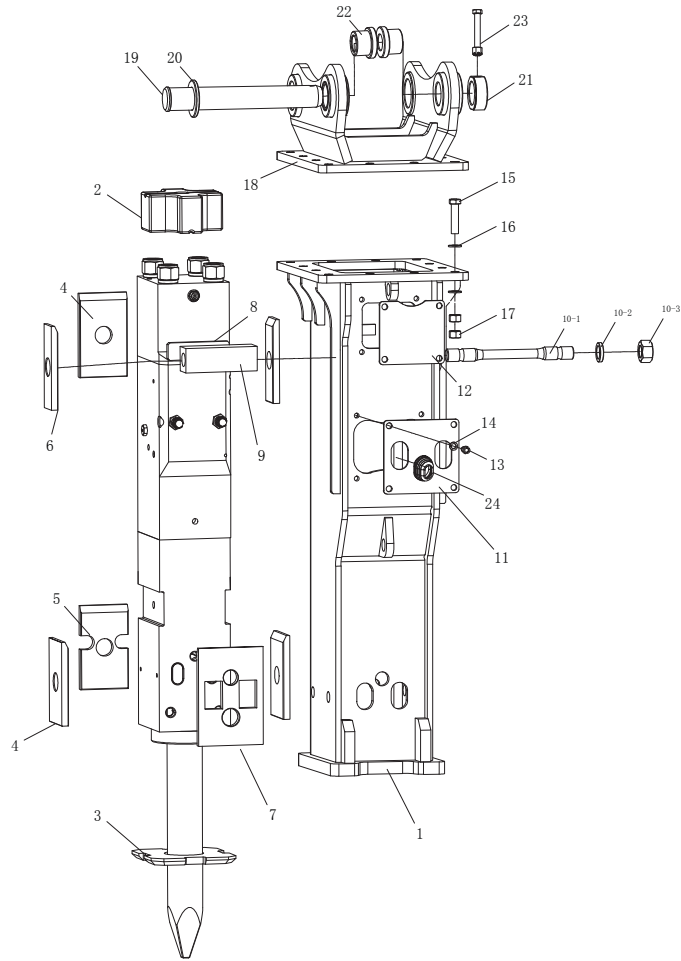
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E100F-T	Frame	1	
2	E100SB-AY	Side Bolt-AY	6	2-1/2-2/2-3
3	HBM2085	Hex bolt	12	
4	W20	Washer	24	
5	HNM20	Hex.Nut	24	
6	E100MC-T	Mount Cap	1	
7	E100MP	Mount Pin	2	
8	E100MPR	Mount Pin Ring	2	
9	E100MPS	Mount Pin Stopper	2	
10	E100MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE100S



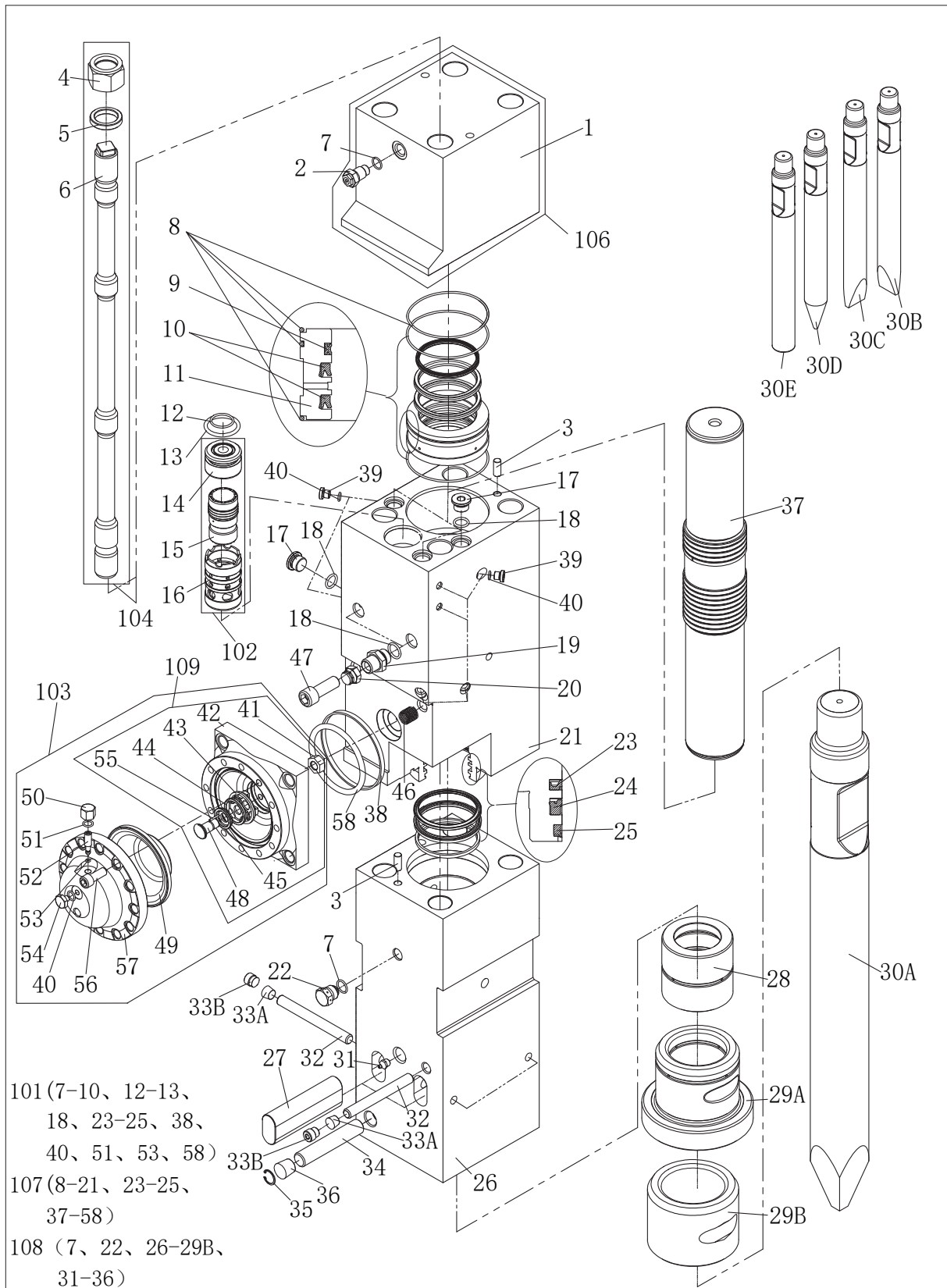
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E100F-S	Frame	1	
2	E100SB-AY	Side Bolt-AY	6	2-1/2-2/2-3
3	E100CPL	Clamping Plate	2	
4	E100GP	Guide Plate	2	
5	E100MP	Mount Pin	2	
6	E100MPR	Mount Pin Ring	2	
7	E100MPS	Mount Pin Stopper	2	
8	E100MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE100B



NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E100F-B20	Frame	1		13	SBM1425	Socket Bolt	8	
2	E100CRD	Cross Damper	1		14	F14	Washer	8	
3	E100BLD	Below Damper	1		15	HBM2085	Hex bolt	12	
4	E100SDA	Side Damper A	3		16	W20	Washer	24	
5	E100SDB	Side Damper B	1		17	HN20	Hex.Nut	24	
6	E100SDC	Side Damper C	2		18	E100MC-B	Mount Cap	1	
7	E100SDD	Side Damper D	1		19	E100MP	Mount Pin	2	
8	E100SDE	Side Damper E	1		20	E100MPR	Mount Pin Ring	2	
9	E100TB-B	Tie Bush	1		21	E100MPS	Mount Pin Stopper	2	
10	E100SB-BAY	Side Bolt Assy	1	10-1/10-2/10-3	22	E100MPB	Mount Pin Bush	4	
11	E100CVM	Middle Cover Plate	1		23	HBWH-AY	Hex bolt With Hole Assy	2	
12	E100CVB	Behind Cover Plate	1		24	HOB3/4	Hose Bush	2	

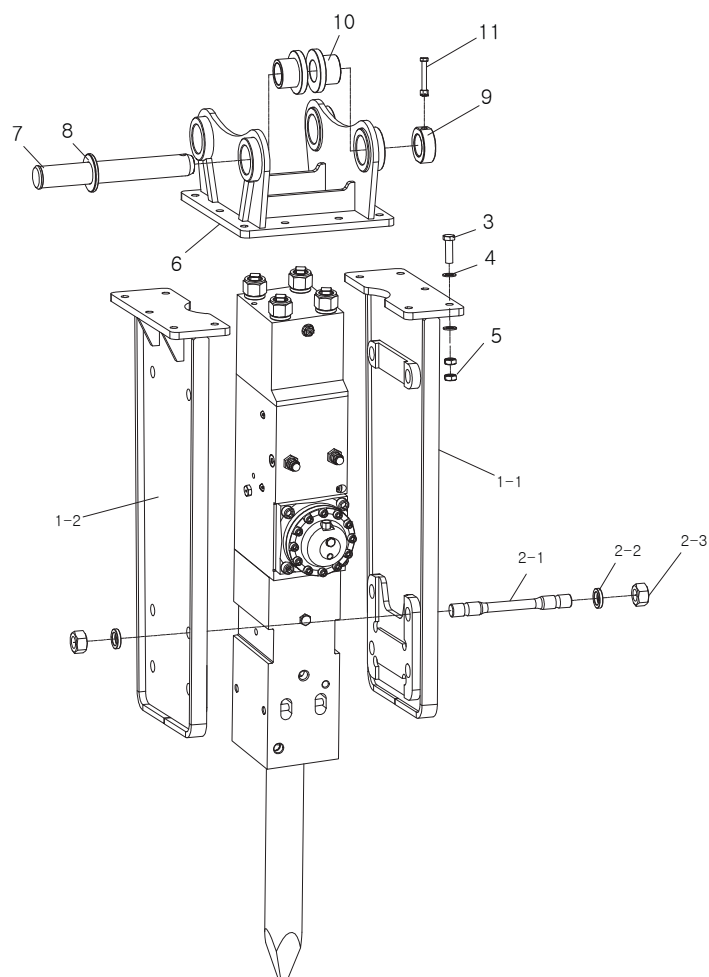
EDDIE100A MAIN BODY PARTS



EDDIE100A MAIN BODY PARTS LIST

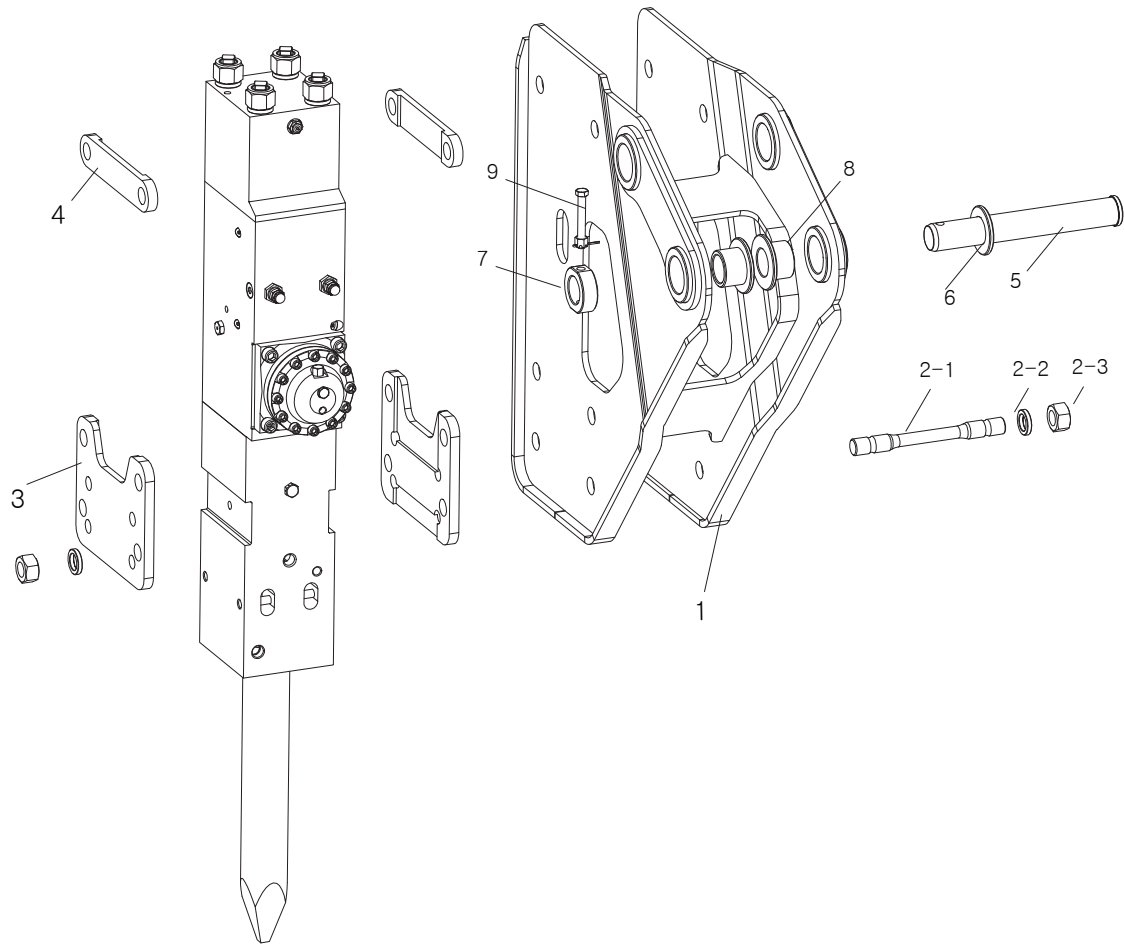
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	00800BH	Back Head	1		33A	RP18	Rubber Plug	3	
2	BHCVBF08	B/H Charging Valve	1		33B	SRPM20	Screwed Rubber Plug(S)	3	
3	00435KP	Knock Pin	2		34	00800FCP	Front Cover Pin	2	
4	00800TBHN-X1	Through Bolt Hex. Nut	4	NSS	35	SRH26	Snap Ring	2	
5	00800TBW	Through Bolt Washer	4	NSS	36	RP26	Rubber Plug	4	
6	00800TB-X1	Through Bolt	4	NSS	37	00800P	Piston	1	
7	SBP018	O Ring	2	NSS	38	S4BP075	Back-up Ring	1	NSS
8	SBG135	O Ring	4	NSS	39	SPBF04	Socket Plug	7	
9	SCG098	Gas Seal	1	NSS	40	SBP011	O Ring	8	NSS
10	SCUP098	U-Packing	2	NSS	41	02000AHN	Acc. Holder Nut	1	NSS
11	00800SR-A	Seal Retainer	1		42	00800AB	Acc. Body	1	NSS
12	SBG035	O Ring	1	NSS	43	00800AHC	Acc. Holder C	1	NSS
13	SBP052	O Ring	1	NSS	44	00800AHB	Acc. Holder B	1	NSS
14	00800VC	Valve Cap	1	NSS	45	00800AHA	Acc. Holder A	1	NSS
15	00800V	Valve	1	NSS	46	HCM202509	Heli Coil	4	
16	00800VS	Valve Sleeve	1	NSS	47	SBM206012	Socket Bolt	4	
17	SPBF12	Socket Plug	4		48	00800AHBT	Acc. Holder Bolt	1	NSS
18	SBP22.4	O Ring	6	NSS	49	00800AD	Acc. Diaphragm	1	
19	SABFF12	Screwed Adapter	2		50	02000ACVC	Acc. Charging Valve Cover	1	
20	ACBF12	Adapter Cap	2		51	SBP014	O Ring	1	NSS
21	00800ACY-A1	Cylinder	1		52	02000ACV	Acc. Charging Valve	1	
22	ACVBF08-2	Air Check Valve	1		53	SBP005	O Ring	1	NSS
23	SCB100-2	Buffer Seal	1	NSS	54	02000AHP	Acc. Hex. Plug	1	
24	SCUP100	U-Packing	1	NSS	55	00800AHKP	Acc. Holder Knock Pin	1	NSS
25	SCD100	Dust Seal	1	NSS	56	SBM1435F112	Socket Bolt	12	
26	00800FH-X2	Front Head	1		57	00800AC	Acc. Cover	1	NSS
27	00800RP	Rod Pin	2		58	SBP075	O Ring	1	NSS
28	00800AGRB-X1	Ring Bush	1		101	00800AS-CY-A1	Seal Kit	1	
29A	00800FC	Front Cover	1		102	00800V-AY	Valve Assy	1	
29B	00800FCS-X2	Front Cover(S)	1		103	00800A-AY	Acc. Assy	1	
30A	00800T-M	Tool-M Type	1		104	00800TB-X1-AY	Through Bolt Assy	4	
30B	00800T-V	Tool-V Type	1		105A	00800ATLB-ST	Tool Box Assy-ST	1	
30C	00800T-H	Tool-H Type	1		105B	00800ATLB-B	Tool Box Assy-B	1	
30D	00800T-C	Tool-C Type	1		106	00800BH-AY	Back Head Assy	1	
30E	00800T-B	Tool-B Type	1		107	00800ACY-A1-AY	Cylinder Assy	1	
31	GNBT04	Grease Nipple	1		108	00800FH-X2-AY	Front Head Assy	1	
32	00800SP	Stop Pin	3		109	00800AB-AY	Acc.Body Assy	1	

EDDIE100AT



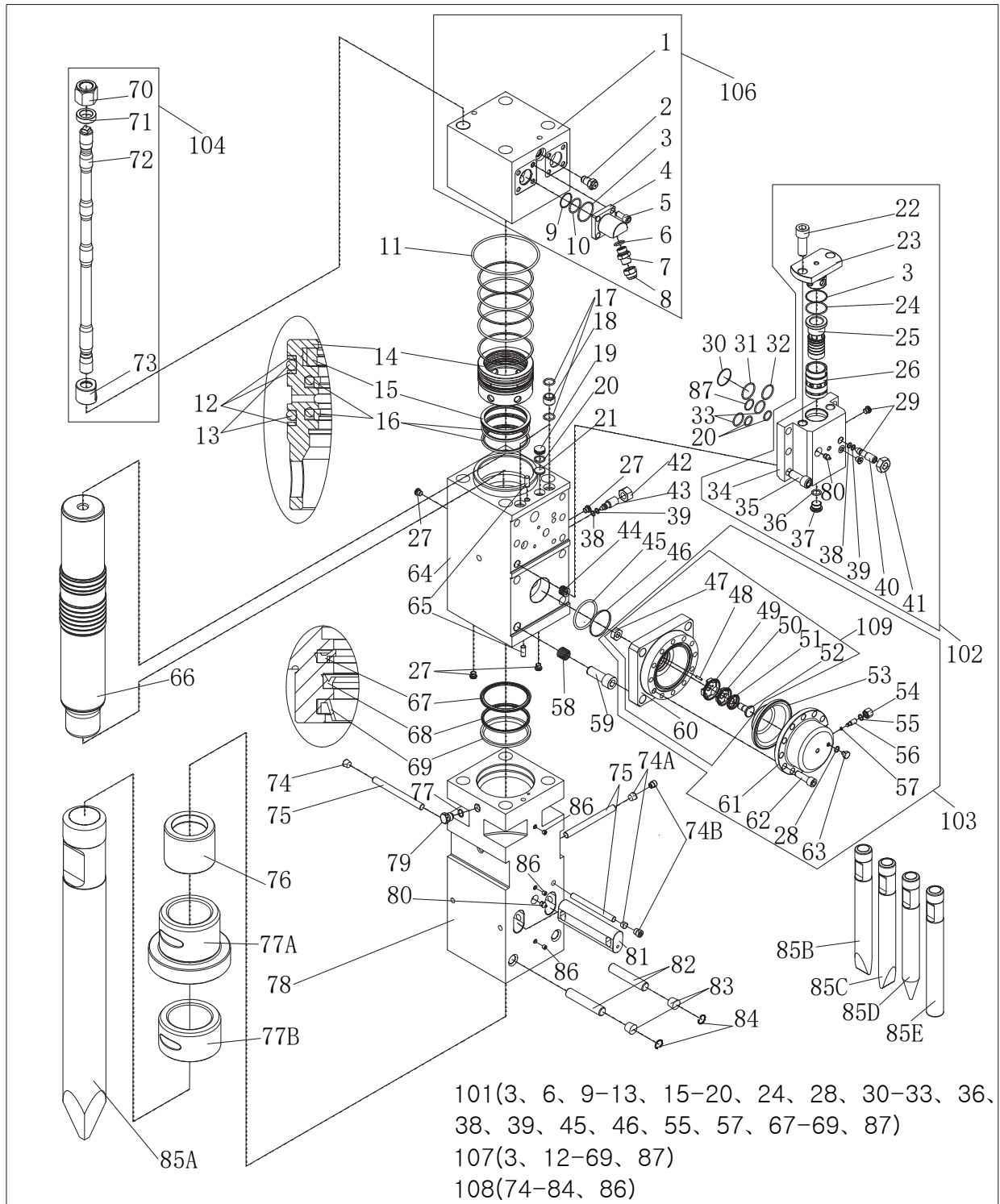
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E100AF-T	Frame	1	
2	E100ASB-AY	Side Bolt-AY	6	2-1/2-2/2-3
3	HBM2085	Hex bolt	12	
4	W20	Washer	24	
5	HNM20	Hex.Nut	24	
6	E100AMC-T	Mount Cap	1	
7	E100AMP	Mount Pin	2	
8	E100AMPR	Mount Pin Ring	2	
9	E100AMPS	Mount Pin Stopper	2	
10	E100AMPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE100AS



NO.	PART NO.	PART NAME	QTY	REMARKS
1	E100AF-S	Frame	1	
2	E100ASB-AY	Side Bolt-AY	6	2-1/2-2/2-3
3	E100ACPL	Clamping Plate	2	
4	E100AGP	Guide Plate	2	
5	E100AMP	Mount Pin	2	
6	E100AMPR	Mount Pin Ring	2	
7	E100AMPS	Mount Pin Stopper	2	
8	E100AMPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

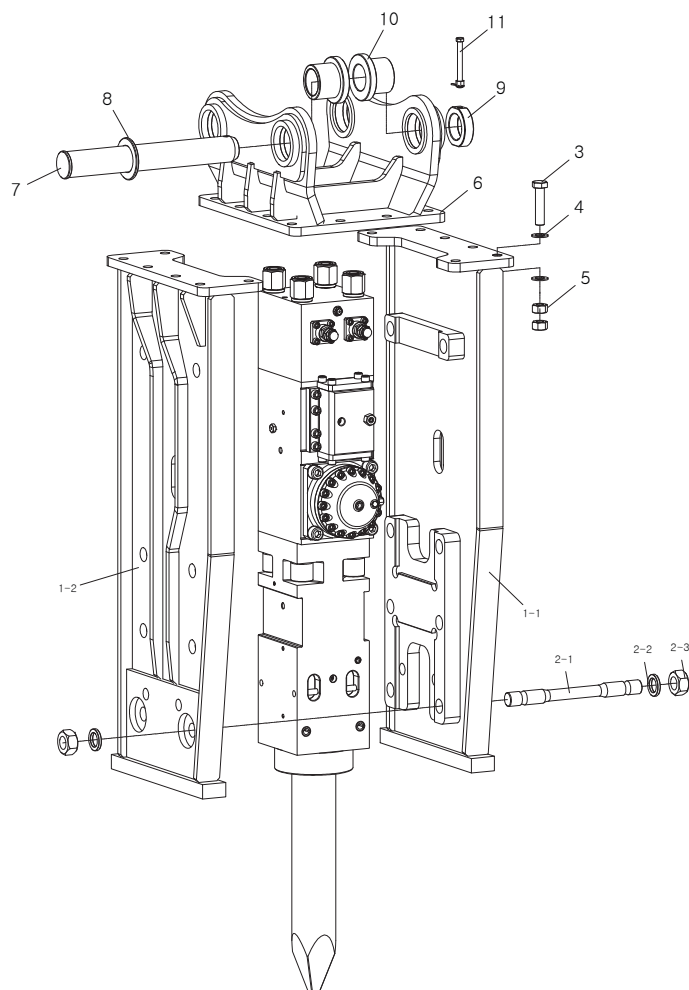
EDDIE120 MAIN BODY PARTS



EDDIE120 MAIN BODY PARTS LIST

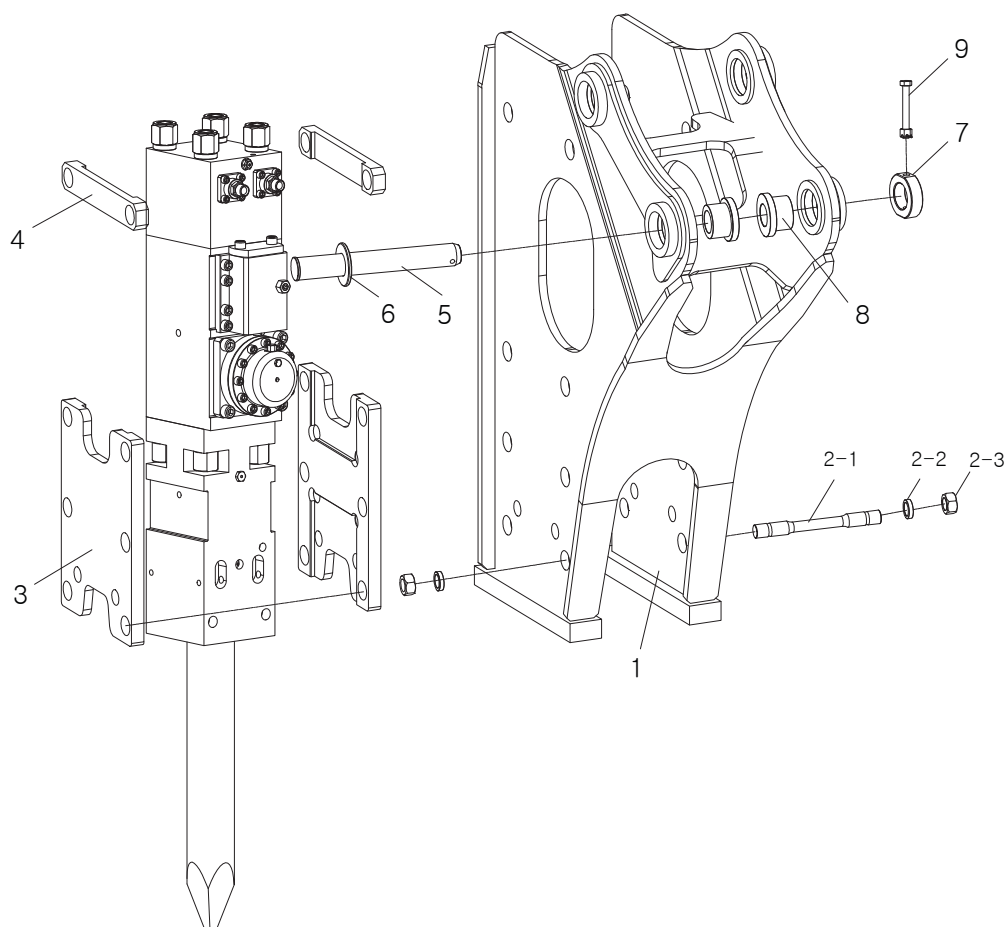
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	01800BH	Back Head	1		52	02000AHBT	Acc. Holder Bolt	1	NSS
2	BHCVBF08	B/H Charging Valve	1		53	00800AD	Acc. Diaphragm	1	
3	SBG055	O Ring	3	NSS	54	02000ACVC	Acc. Charging Valve Cover	1	
4	01800FA	Flange Adapter	2		55	SAP014	O Ring	1	NSS
5	SBM1435F112	Socket Bolt	8		56	01800ACV	Acc. Charging Valve	1	
6	SAP024	O Ring	2	NSS	57	SAP005	O Ring	1	NSS
7	SABFF12	Screwed Adapter	2		58	HCM243012	Heli Coil	4	
8	ACBF12	Adapter Cap	2		59	SBM243060	Socket Bolt	4	
9	ST3G040	Back-up Ring	2	NSS	60	01800AB	Acc. Body	1	NSS
10	SBG040	O Ring	2	NSS	61	01800AC	Acc. Cover	1	
11	SBG180	O Ring	1	NSS	62	SBM161540	Socket Bolt	12	
12	ST3P145	Back-up Ring	3	NSS	63	02000AHP	Acc. Hex. Nut	1	
13	SBP145	O Ring	2	NSS	64	01800AGCY	Cylinder	1	
14	01800SR	Seal Retainer	1		65	00435KP	Knock Pin	2	
15	SCG120	Gas Seal	1	NSS	66	01800P	Piston	1	
16	SCS120	Step Seal	2	NSS	67	SCB124	Buffer Seal	1	NSS
17	SAP026	O Ring	4	NSS	68	SCUP124	U-Packing	1	NSS
18	01800CB	Connecting Bush	2	NSS	69	SCD124	Dust Seal	1	NSS
19	01800PB	Plug Bush	1	NSS	70	01800TBHN	Through Bolt Hex. Nut	4	NSS
20	SBG025	O Ring	3	NSS	71	01800TBW	Through Bolt Washer	4	NSS
21	01800CP	Cover Plate	1		72	01800TB	Through Bolt	4	NSS
22	SBM2455F112	Socket Bolt	2		73	01800TBRN	Through Bolt Rd. Nut	4	NSS
23	01800VC	Valve Cover	1	NSS	74A	RP18	Rubber Plug	3	
24	ST3G055	Back-up Ring	1	NSS	74B	SRPM20	Screwed Rubber Plug(S)	3	
25	01800VS	Valve Sleeve	1	NSS	75	01800SP	Stop Pin	2	
26	01800V	Valve	1	NSS	76	01800-2RB	Ring Bush	1	
27	SPBF04A	Socket Plug	4		77A	01800-2FC	Front Cover	1	
28	SAP011	O Ring	1	NSS	77B	01800-2FCS	Front Cover(BOX)	1	
29	SPBF04	Socket Plug	2		78	01800-2FH	Front Head	1	
30	S4BG045	Back-up Ring	1	NSS	79	ACVBF08-2	Air Check Valve	1	
31	SBG045	O Ring	1	NSS	80	GNBT04	Grease Nipple	2	
32	SBG040	O Ring	1	NSS	81	01800RP-2	Rod Pin	2	
33	SBG035	O Ring	2	NSS	82	01800FCP	Front Cover Pin	2	
34	01800AGVH	Valve Housing	1	NSS	83	RP26	Rubber Plug	2	
35	SBM206012	Socket Bolt	6		84	SRH26	Snap Ring	2	
36	SAP22.4	O Ring	1	NSS	85A	01800T-M	Tool-M Type	1	
37	SPBF12	Socket Plug	1		85B	01800T-V	Tool-V Type	1	
38	SBP012	O Ring	2	NSS	85C	01800T-H	Tool-H Type	1	
39	ST3P012	Back-up Ring	2		85D	01800T-C	Tool-C Type	1	
40	01800VA	Valve Adjuster	1		85E	01800T-B	Tool-B Type	1	
41	01800VAHN	Valve Adjuster Nut	1		86	SPBT04	Plug	3	
42	01800CYAHN	Cylinder Adjuster Nut	1		87	SBG030	O Ring	1	
43	01800CYA	Cylinder Adjuster	1		101	01800S	Seal Kit	1	
44	HCM202512	Heli Coil	6		102	01800AGV-AY	Valve Assy	1	
45	SBP080	O Ring	1	NSS	103	01800A-AY	Acc. Assy	1	
46	S4BP080	Back-up Ring	1	NSS	104	01800TB-AY	Through Bolt Assy	4	
47	02000AHN	Acc. Holder Nut	1	NSS	105A	01800TLB-ST	Tool Box Assy-ST	1	
48	02000AHKP	Acc. Holder Knock Pin	1	NSS	105B	01800TLB-B	Tool Box Assy-B	1	
49	02000AHC	Acc. Holder C	1	NSS	106	01800BH-AY	Back Head Assy	1	
50	02000AHB	Acc. Holder B	1	NSS	107	01800AGCY-AY	Cylinder Assy	1	
51	02000AHA	Acc. Holder A	1	NSS	108	01800-2FH-AY	Front Head Assy	1	
					109	01800AB-AY	Acc. Body Assy	1	

EDDIE120T



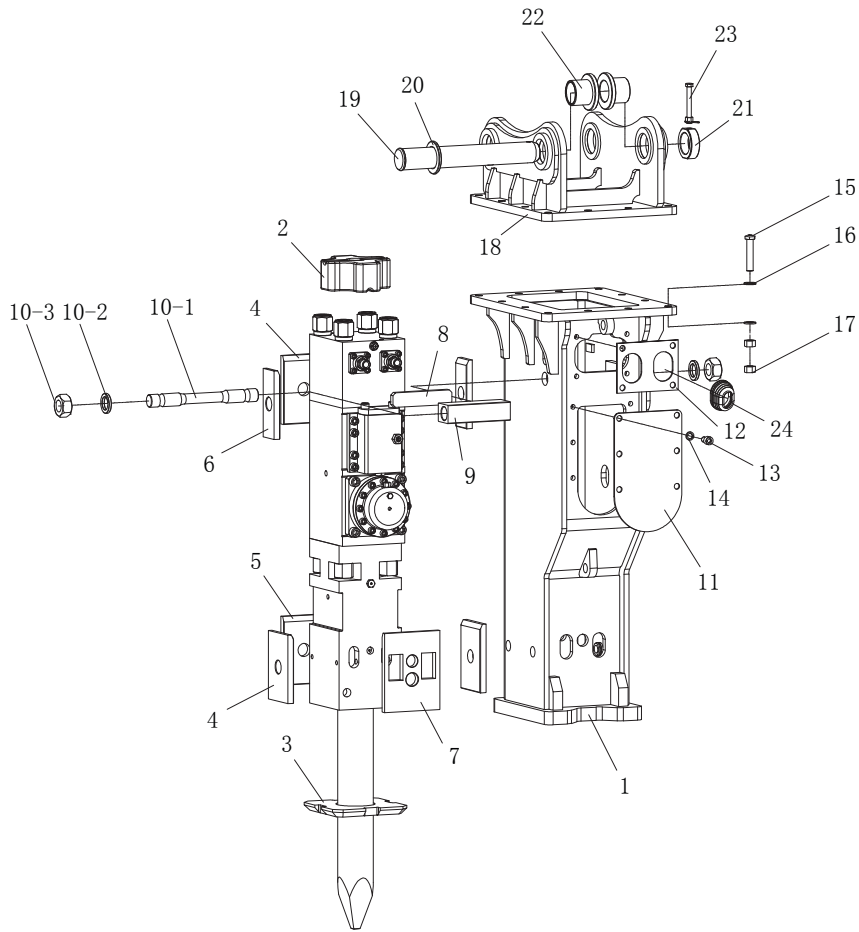
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E120F-T	Frame	1	
2	E120SB-AY	Side Bolt-AY	8	2-1/2-2/2-3
3	HBM24120	Hex bolt	12	
4	W24	Washer	24	
5	HNM24	Hex.Nut	24	
6	E120MC-T	Mount Cap	1	
7	E120MP	Mount Pin	2	
8	E120MPR	Mount Pin Ring	2	
9	E120MPS	Mount Pin Stopper	2	
10	E120MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE120S



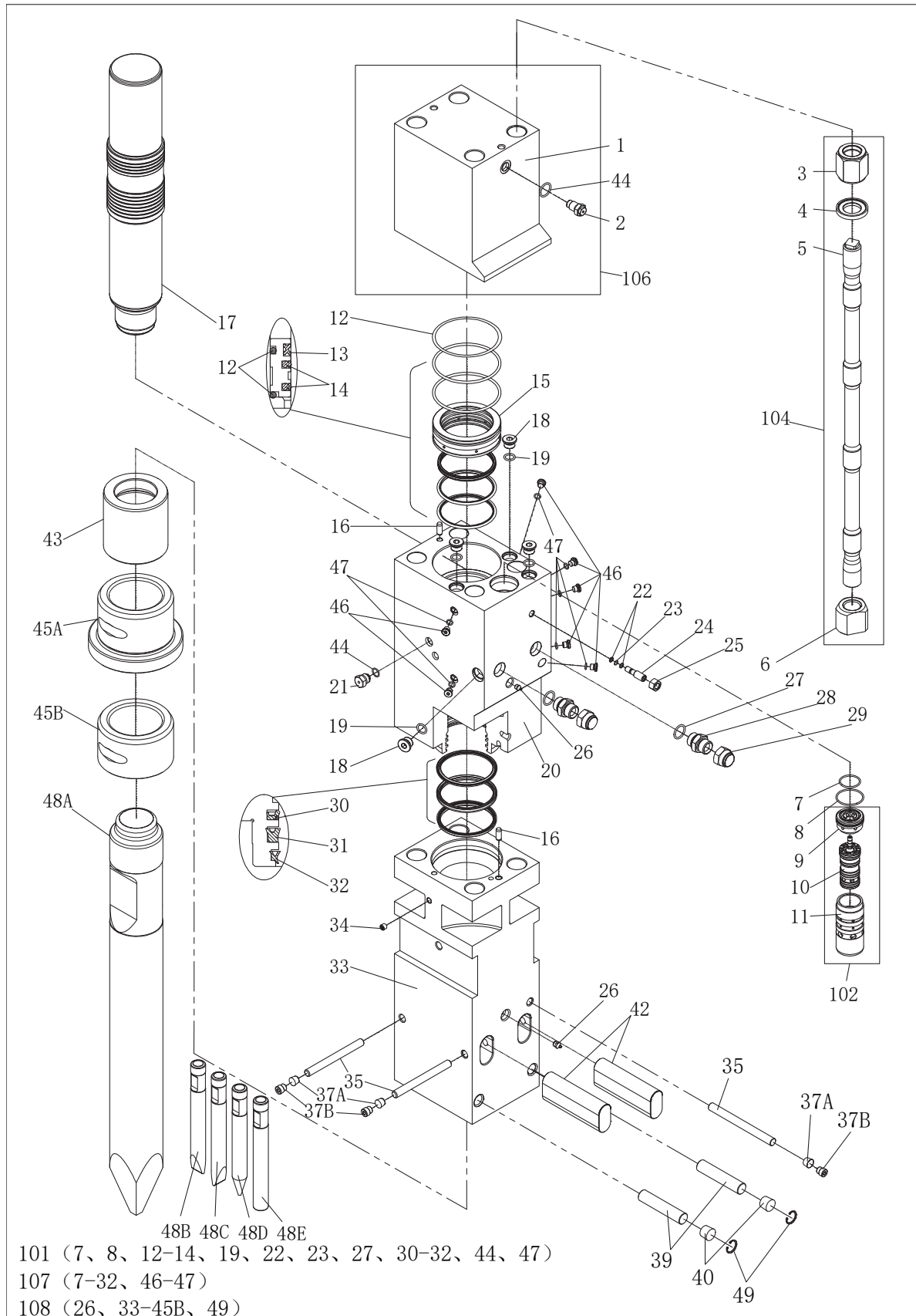
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E120F-S	Frame	1	
2	E120SB-AY	Side Bolt-AY	8	2-1/2-2/2-3
3	E120CPL	Clamping Plate	2	
4	E120GP	Guide Plate	2	
5	E120MP	Mount Pin	2	
6	E120MPR	Mount Pin Ring	2	
7	E120MPS	Mount Pin Stopper	2	
8	E120MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE120B



NO.	PART NO.	PART NAME	QTY	REMARKS	NO.	PART NO.	PART NAME	QTY	REMARKS
1	E120F-B20	Frame	1		13	SBM1425	Socket Bolt	10	
2	E120CRD	Cross Damper	1		14	F14	Washer	10	
3	E120BLD	Below Damper	1		15	HBM24110	Hex bolt	12	
4	E120SDA	Side Damper A	3		16	W24	Washer	24	
5	E120SDB	Side Damper B	1		17	HNH24	Hex.Nut	24	
6	E120SDC	Side Damper C	2		18	E120MC-B	Mount Cap	1	
7	E120SDD	Side Damper D	1		19	E120MP	Mount Pin	2	
8	E120SDE	Side Damper E	1		20	E120MPR	Mount Pin Ring	2	
9	E120TB-B	Tie Bush	1		21	E120MPS	Mount Pin Stopper	2	
10	E120SB-BAY	Side Bolt Assy	1	10-1/10-2/10-3	22	E120MPB	Mount Pin Bush	4	
11	E120CVM	Middle Cover Plate	1		23	HBWH-AY	Hex bolt With Hole Assy	2	
12	E120CVB	Behind Cover Plate	1		24	HOB3/4	Hose Bush	2	

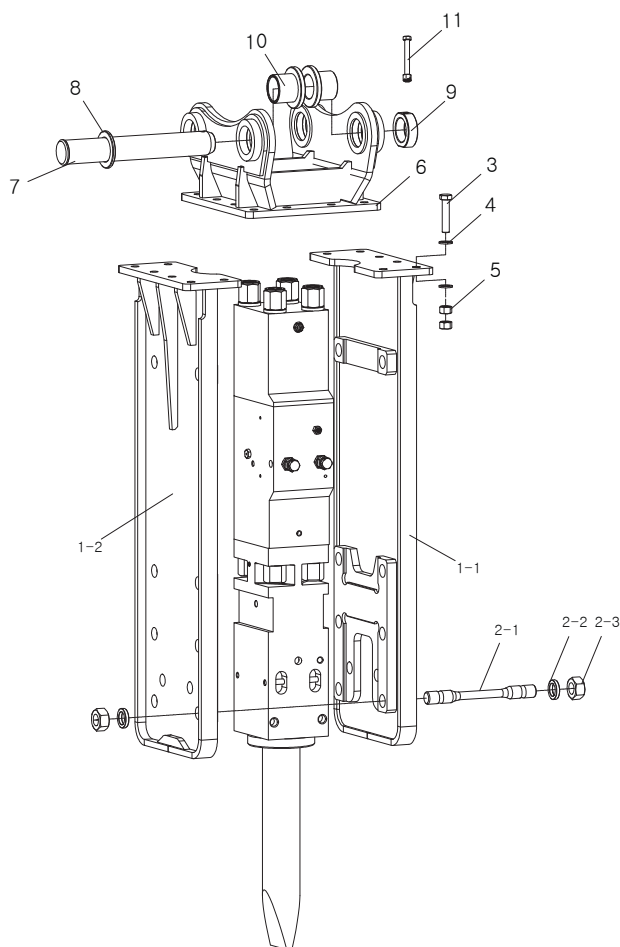
EDDIE125 MAIN BODY PARTS



EDDIE125 MAIN BODY PARTS LIST

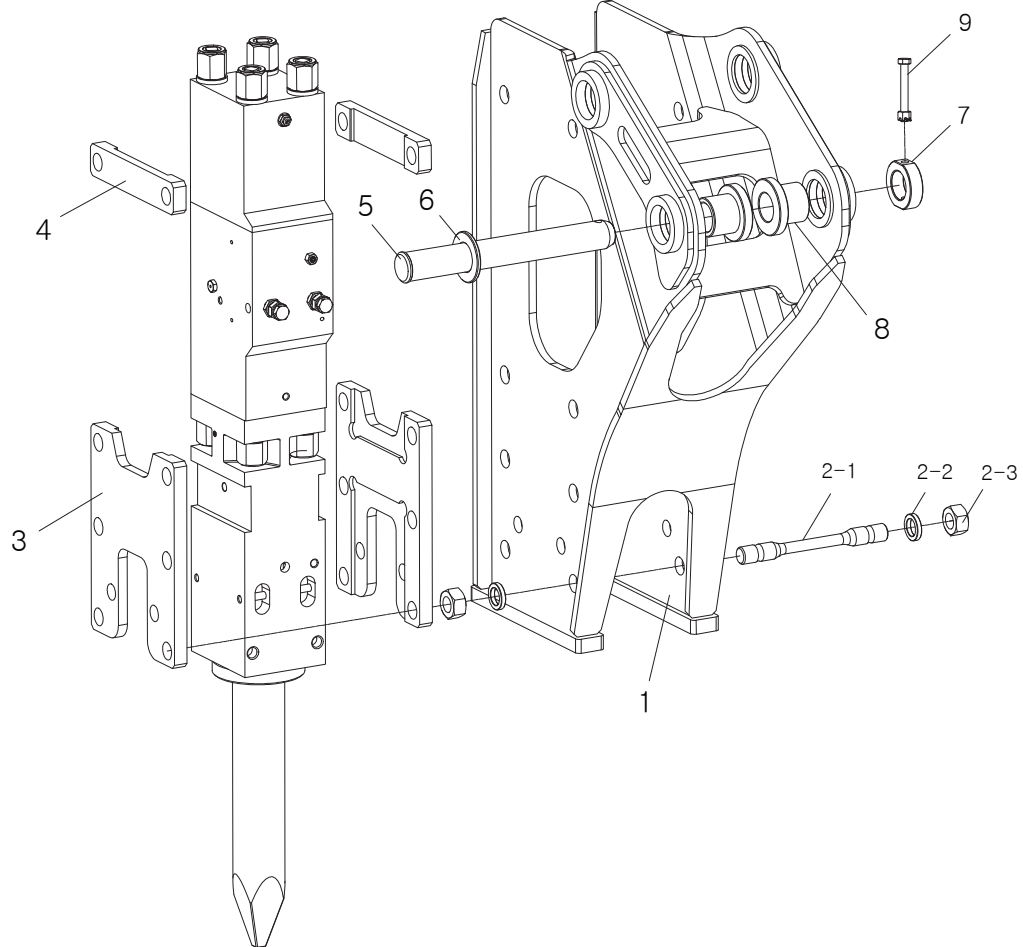
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	01600BH	Back Head	1		31	SCUP125	U-Packing	1	NSS
2	BHCVBF08	B/H Charging Valve	1		32	SCD125	Dust Seal	1	NSS
3	01600TBHN	Through Bolt Hex. Nut	4	NSS	33	01600AGFH	Front Head	1	
4	01600TBW	Through Bolt Washer	4	NSS	34	SPBT04	Socket Plug	2	
5	01600TB	Through Bolt	4	NSS	35	01600SP	Stop Pin	3	
6	01600TBRN	Through Bolt Rd. Nut	4	NSS	37A	RP18	Rubber Plug	3	
7	SBG045	O Ring	1	NSS	37B	SRPM20	Screwed Rubber Plug(S)	3	
8	SBG060	O Ring	1	NSS	39	01600FCP	Front Cover Pin	2	
9	01600VC	Valve Cap	1	NSS	40	RP26	Rubber Plug	2	
10	01600V	Valve	1	NSS	42	01600RP	Rod Pin	2	
11	01600VS	Valve Sleeve	1	NSS	43	01600RB	Ring Bush	1	
12	SBG150	O Ring	3	NSS	44	SAP018	O Ring	2	NSS
13	SCG123.5	Gas Seal	1	NSS	45A	01600FC	Front Cover	1	
14	SCS123.5	Step Seal	2	NSS	45B	01600FCS	Front Cover(S)	1	
15	01600SR	Seal Retainer	1		46	SPBF04	Socket Plug	7	
16	00435KP	Knock Pin	2		47	SBP011	O Ring	7	NSS
17	01600P	Piston	1		48A	01600T-M	Tool-M Type	1	
18	SPBF12	Socket Plug	4		48B	01600T-V	Tool-V Type	1	
19	SBP22.4	O Ring	4	NSS	48C	01600T-H	Tool-H Type	1	
20	01600AGCY	Cylinder	1		48D	01600T-C	Tool-C Type	1	
21	ACVBF08-1	Air Check Valve	1		48E	01600T-B	Tool-B Type	1	
22	ST3P009	Back-up Ring	2	NSS	49	SRH26	Snap Ring	2	
23	SBP009	O Ring	1	NSS	101	01600S	Seal Kit	1	
24	01600VA	Valve Adjuster	1		102	01600V-AY	Valve Assy	1	
25	01600VAN	Valve Adjuster Nut	1		104	01600TB-AY	Through Bolt Assy	4	
26	GNBT04	Grease Nipple	1		105A	01600TLB-ST	Toolbox-ST	1	
27	SBP029	O Ring	2	NSS	105B	01600TLB-B	Toolbox-B	1	
28	SABFF16	Screwed Adapter	2		106	01600BH-AY	Back Head Assy	1	
29	ACBF16	Adapter Cap	2		107	01600AGCY-AY	Cylinder Assy	1	
30	SCB125	Buffer Seal	1	NSS	108	01600AGFH-AY	Front Head Assy	1	

EDDIE125T



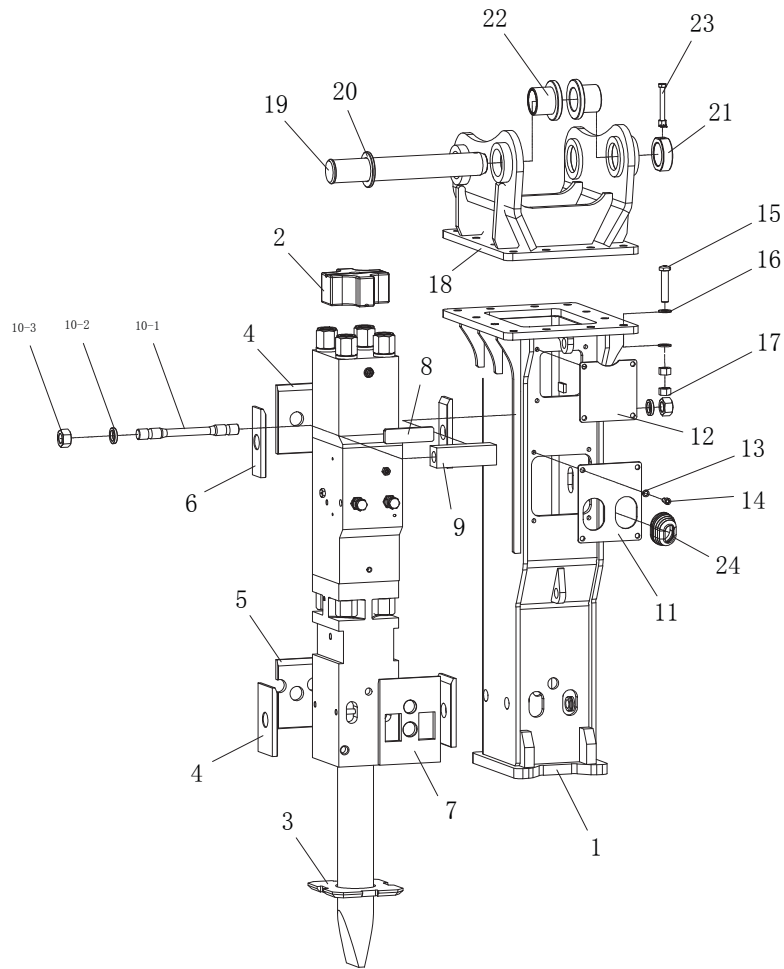
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E125F-T	Frame	1	
2	E125SB-AY	Side Bolt-AY	6	2-1/2-2/2-3
3	HBM24110	Hex bolt	12	
4	W24	Washer	24	
5	HNM24	Hex.Nut	24	
6	E125MC-T	Mount Cap	1	
7	E125MP	Mount Pin	2	
8	E125MPR	Mount Pin Ring	2	
9	E125MPS	Mount Pin Stopper	2	
10	E125MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE125S



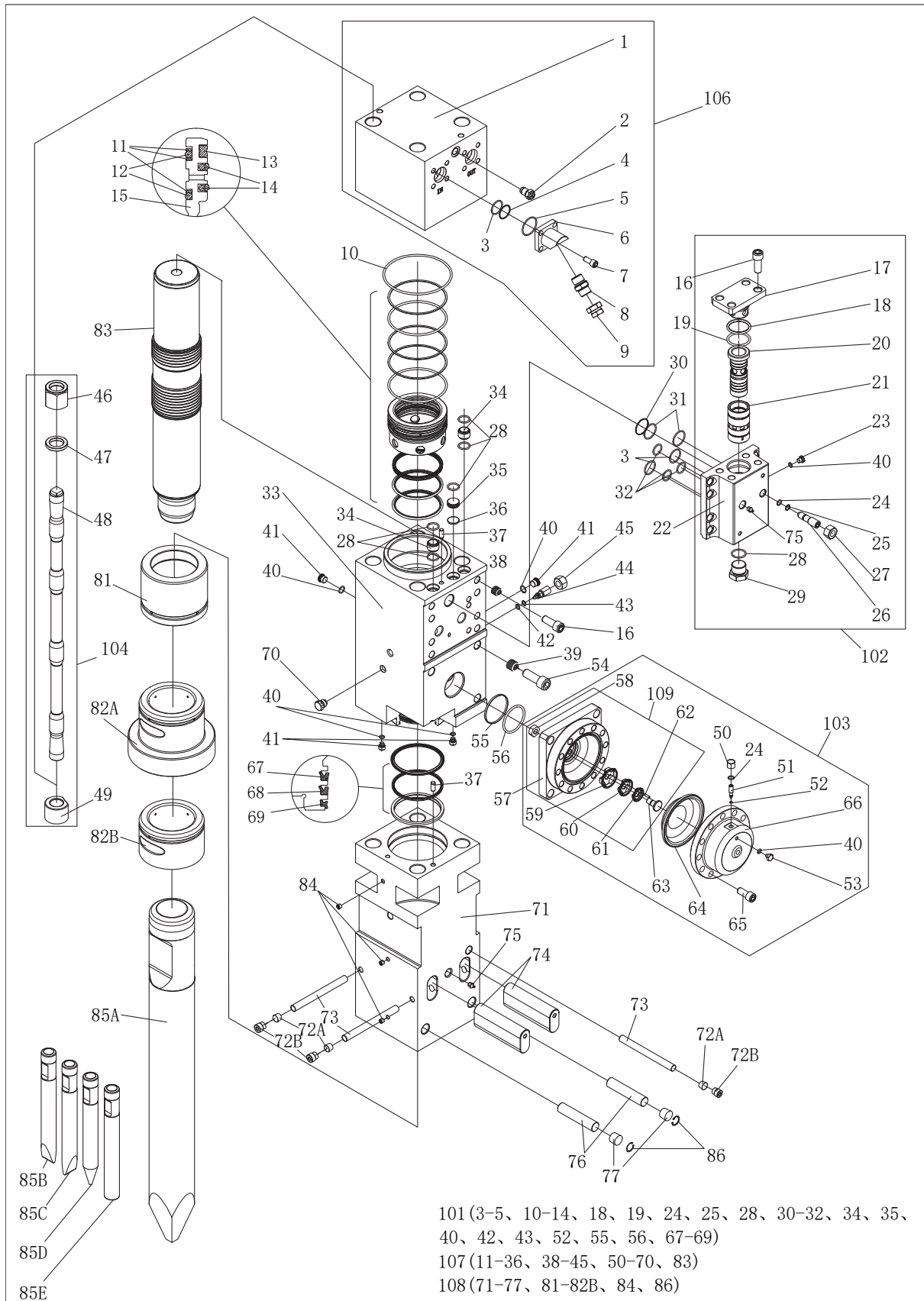
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E125F-S	Frame	1	
2	E125SB-AY	Side Bolt-AY	8	2-1/2-2/2-3
3	E125CPL	Clamping Plate	2	
4	E125GP	Guide Plate	2	
5	E125MP	Mount Pin	2	
6	E125MPR	Mount Pin Ring	2	
7	E125MPS	Mount Pin Stopper	2	
8	E125MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE125B



NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E125F-B20	Frame	1		13	SBM1425	Socket Bolt	8	
2	E125CRD	Cross Damper	1		14	F14	Washer	8	
3	E125BLD	Below Damper	1		15	HBM24110	Hex bolt	12	
4	E125SDA	Side Damper A	3		16	W24	Washer	24	
5	E125SDB	Side Damper B	1		17	HN24	Hex.Nut	24	
6	E125SDC	Side Damper C	2		18	E125MC-B	Mount Cap	1	
7	E125SDD	Side Damper D	1		19	E125MP	Mount Pin	2	
8	E125SDE	Side Damper E	1		20	E125MPR	Mount Pin Ring	2	
9	E125TB-B	Tie Bush	1		21	E125MPS	Mount Pin Stopper	2	
10	E125SB-BAY	Side Bolt Assy	1	10-1/10-2/10-3	22	E125MPB	Mount Pin Bush	4	
11	E125CVM	Middle Cover Plate	1		23	HBWH-AY	Hex bolt With Hole Assy	2	
12	E125CVB	Behind Cover Plate	1		24	HOB1	Hose Bush	2	

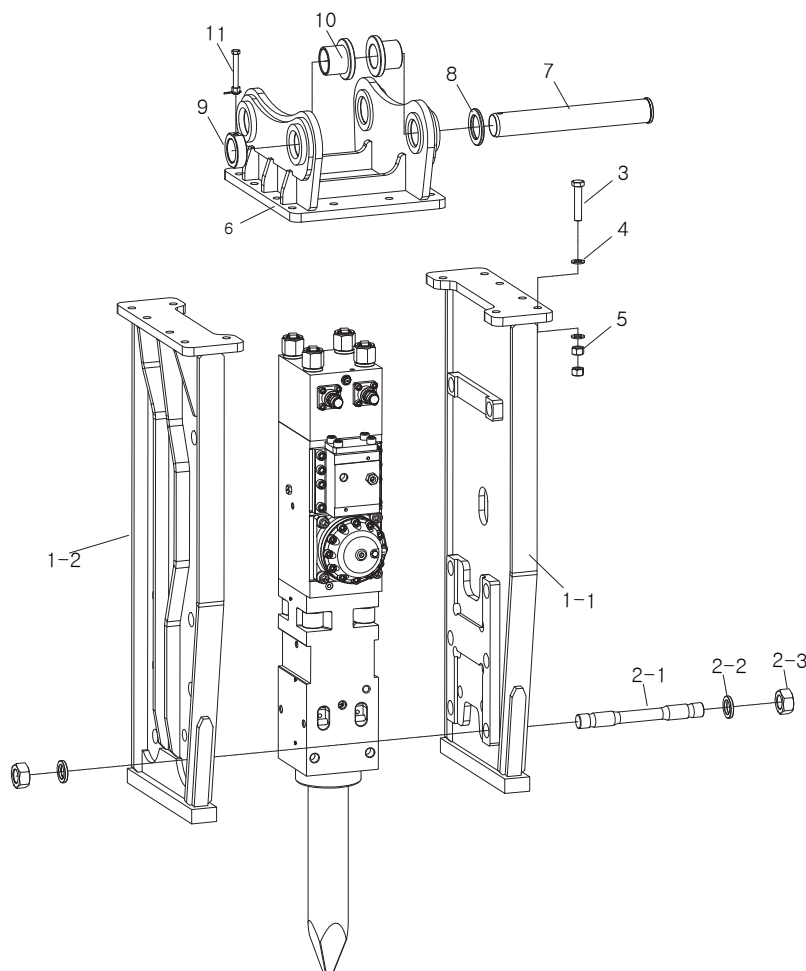
EDDIE135 MAIN BODY PARTS



EDDIE135 MAIN BODY PARTS LIST

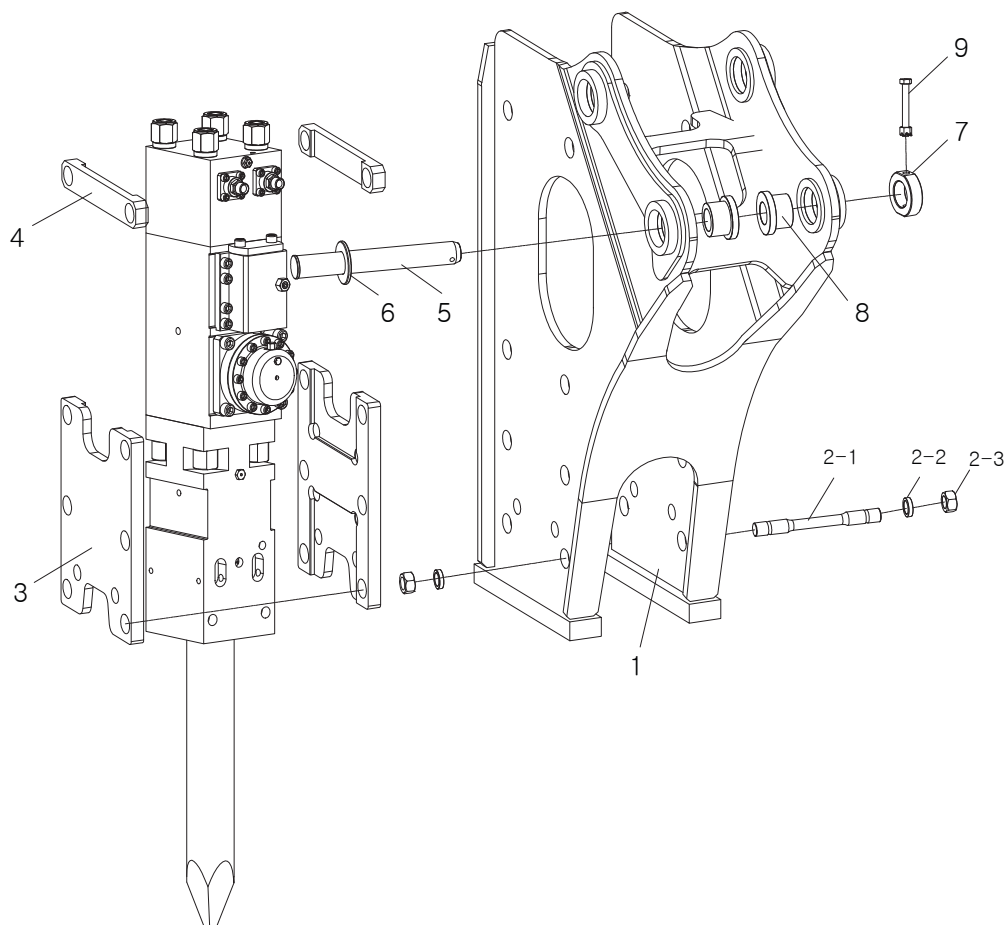
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	02000BH	Back Head	1		50	02000ACVC	Acc. Charging Valve Cover	1	
2	BHCVBFO8	B/H Charging Valve	1		51	02000ACV	Acc. Charging Valve	1	
3	SBG040	O Ring	4	NSS	52	SBP005	O Ring	1	NSS
4	ST3G040	Back-up Ring	2	NSS	53	02000AHP	Acc. Hex. Plug	1	
5	SBG055	O Ring	2	NSS	54	SBM246012	Socket Bolt	4	
6	02000FABF16-45	Flange Adapter	2		55	S4BP080	Back-up Ring	1	NSS
7	SBM1435F112	Socket Bolt	8		56	SBP080	O Ring	1	NSS
8	SABFF16	Screwed Adapter	2		57	02000AB	Acc. Body	1	NSS
9	ACBF16	Adapter Cap	2		58	02000AHN	Acc. Holder Nut	1	NSS
10	SBG200	O Ring	1	NSS	59	02000AHA	Acc. Holder A	1	NSS
11	ST3G165	Back-up Ring	3	NSS	60	02000AHB	Acc. Holder B	1	NSS
12	SBG165	O Ring	2	NSS	61	02000AHC	Acc. Holder C	1	NSS
13	SCG135	Gas Seal	1	NSS	62	020000AHKP	Acc. Holder Knock Pin	1	NSS
14	SCS135	Step Seal	2	NSS	63	02000AHBT	Acc. Holder Bolt	1	NSS
15	02000SR	Seal Retainer	1		64	02000AD	Acc. Diaphragm	1	
16	SBM205012	Socket Bolt	12		65	SBM1840F212	Socket Bolt	12	
17	02000VC	Valve Cover	1	NSS	66	02000AC	Acc. Cover	1	
18	ST3G060	Back-up Ring	1	NSS	67	SCB140	Buffer Seal	1	NSS
19	SBG060	O Ring	1	NSS	68	SCUP140	U-Packing	1	NSS
20	02000VS	Valve Sleeve	1	NSS	69	SCD140	Dust Seal	1	NSS
21	02000V	Valve	1	NSS	70	ACVBF08-1	Air Check Valve	1	
22	02000AGVH	Valve Housing	1	NSS	71	02000AGFH	Front Head	1	
23	SPBF04	Socket Plug	1		72A	RP20	Rubber Plug	3	
24	SBP014	O Ring	2	NSS	72B	SRPM24-L	Screwed Rubber Plug(S)	3	
25	ST3P014	Back-up Ring	1	NSS	73	02000SP	Stop Pin	3	
26	02000VA	Valve Adjuster	1		74	02000RP	Rod Pin	2	
27	02000VAN	Valve Adjuster Nut	1		75	GNBT04	Grease Nipple	2	
28	SBP029	O Ring	6	NSS	76	02000FCP	Front Cover Pin	2	
29	HPBF16	Hex. Plug	1		77	RP30	Rubber Plug	2	
30	S4BG45	Back-up Ring	1	NSS	81	02000AGRB	Ring Bush	1	
31	SBG045	O Ring	2	NSS	82A	02000AGFC	Front Cover	1	
32	SBG030	O Ring	3	NSS	82B	02000AGFCS	Front Cover(S)	1	
33	02000AGCY	Cylinder	1		83	02000P	Piston	1	
34	02000CB	Connecting Bush	2	NSS	84	SPBT04	Socket Plug	3	
35	02000PB	Plug Bush	1	NSS	85A	02000T-M	Tool-M Type	1	
36	02000CP	Cover Plate	1		85B	02000T-V	Tool-V Type	1	
37	00435KP	Knock Pin	2		85C	02000T-H	Tool-H Type	1	
38	HCM202509	Heli Coil	8		85D	02000T-C	Tool-C Type	1	
39	HCM243009	Heli Coil	4		85E	02000T-B	Tool-B Type	1	
40	SBP011	O Ring	2	NSS	86	SRH30	Snap Ring	2	
41	SPBF04A	Socket Plug	4		101	02000S	Seal Kit	1	
42	SBP012	O Ring	1	NSS	102	02000V-AY	Valve Assy	1	
43	ST3P012	Back-up Ring	1	NSS	103	02000A-AY	Acc. Assy	1	
44	02000CYA	Cylinder Adjuster	1		104	02000TB-AY	Through Bolt Assy	4	
45	02000CYAN	Cylinder Adjuster Nut	1		105A	02000TLB-ST	Tool Box Assy-ST	1	
46	02000TBHN	Through Bolt Hex. Nut	4	NSS	105B	02000TLB-B	Tool Box Assy-B	1	
47	02000TBW	Through Bolt Washer	4	NSS	106	02000BH-AY	Back Head Assy	1	
48	02000TB	Through Bolt	4	NSS	107	02000AGCY-AY	Cylinder Assy	1	
49	02000TBRN	Through Bolt Rd. Nut	4	NSS	108	02000AGFH-AY	Front Head Assy	1	
					109	02000AB-AY	Acc. Body Assy	1	

EDDIE135T



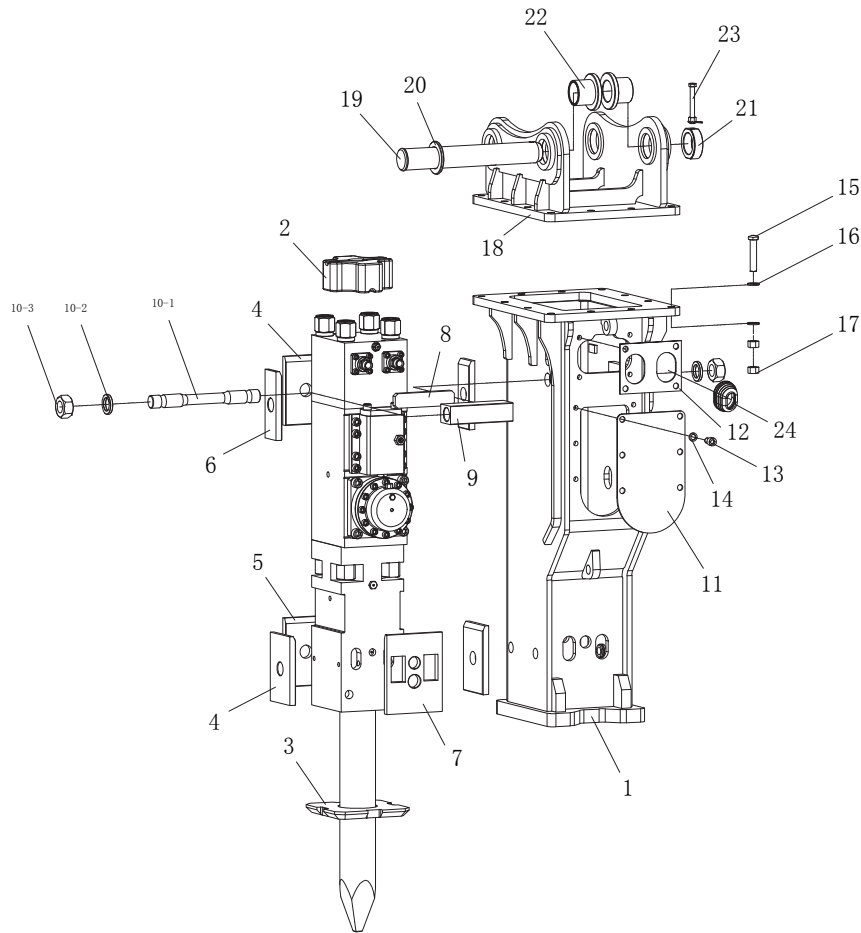
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E135F-T	Frame	1	
2	E135SB-AY	Side Bolt-AY	8	2-1/2-2/2-3
3	HBM24120	Hex bolt	12	
4	W24	Washer	24	
5	HNM24	Hex.Nut	24	
6	E135MC-T	Mount Cap	1	
7	E135MP	Mount Pin	2	
8	E135MPR	Mount Pin Ring	2	
9	E135MPS	Mount Pin Stopper	2	
10	E135MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE135S



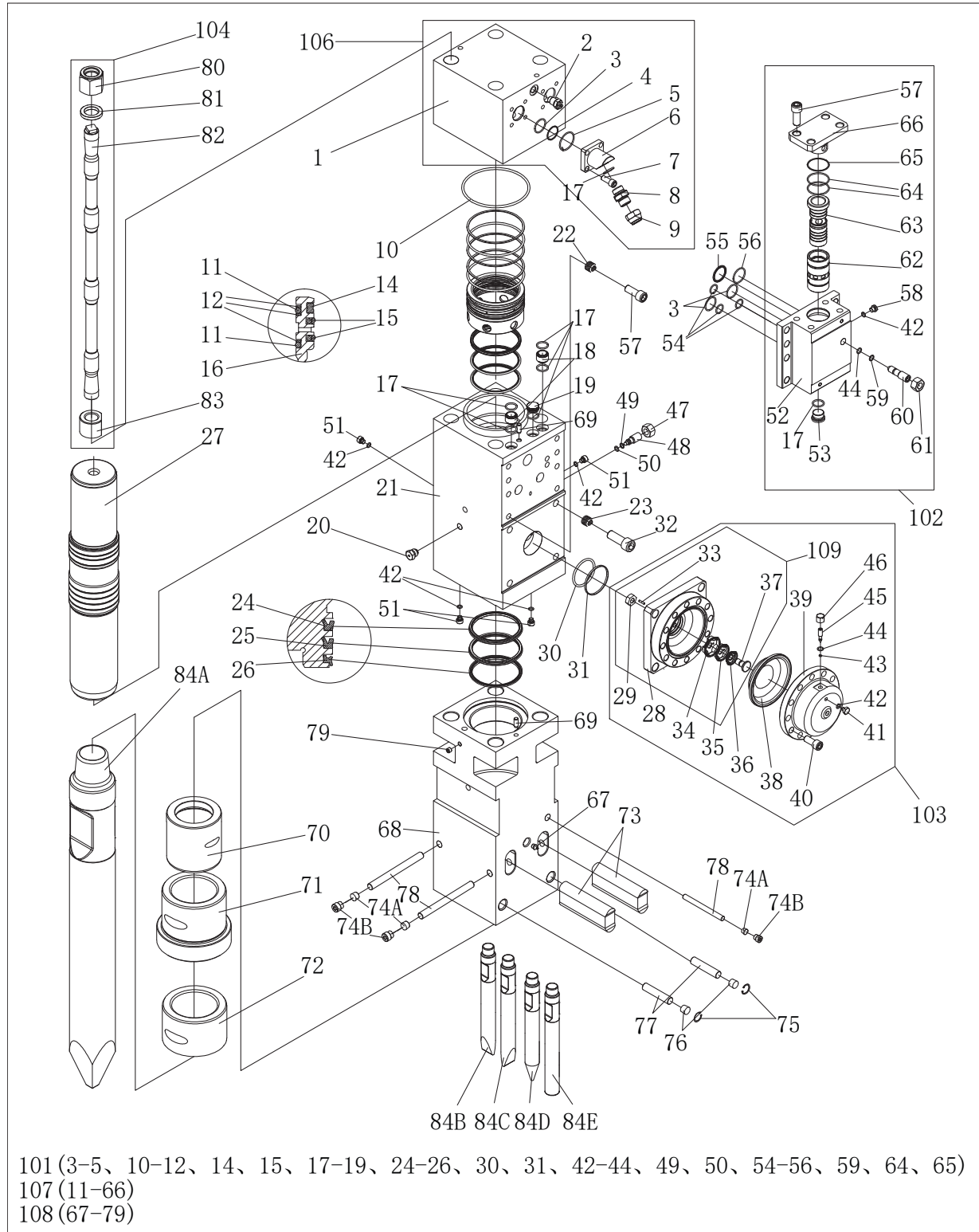
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E135F-S	Frame	1	
2	E135SB-AY	Side Bolt-AY	8	2-1/2-2/2-3
3	E135CPL	Clamping Plate	2	
4	E135GP	Guide Plate	2	
5	E135MP	Mount Pin	2	
6	E135MPR	Mount Pin Ring	2	
7	E135MPS	Mount Pin Stopper	2	
8	E135MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE135B



NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E135F-B20	Frame	1		13	SBM2030	Socket Bolt	10	
2	E135CRD	Cross Damper	1		14	F20	Washer	10	
3	E135BLD	Below Damper	1		15	HBM24120	Hex bolt	12	
4	E135SDA	Side Damper A	3		16	W24	Washer	24	
5	E135SDB	Side Damper B	1		17	HN24	Hex.Nut	24	
6	E135SDC	Side Damper C	2		18	E135MC-B	Mount Cap	1	
7	E135SDD	Side Damper D	1		19	E135MP	Mount Pin	2	
8	E135SDE	Side Damper E	1		20	E135MPR	Mount Pin Ring	2	
9	0200TB-B	Tie Bush	1		21	E135MPS	Mount Pin Stopper	2	
10	E135SB-BAY	Side Bolt Assy	1	10-1/10-2/10-3	22	E135MPB	Mount Pin Bush	4	
11	E135CVM	Middle Cover Plate	1		23	HBWH-AY	Hex bolt With Hole Assy	2	
12	E135CVB	Behind Cover Plate	1		24	HOBU1	Hose Bush	2	

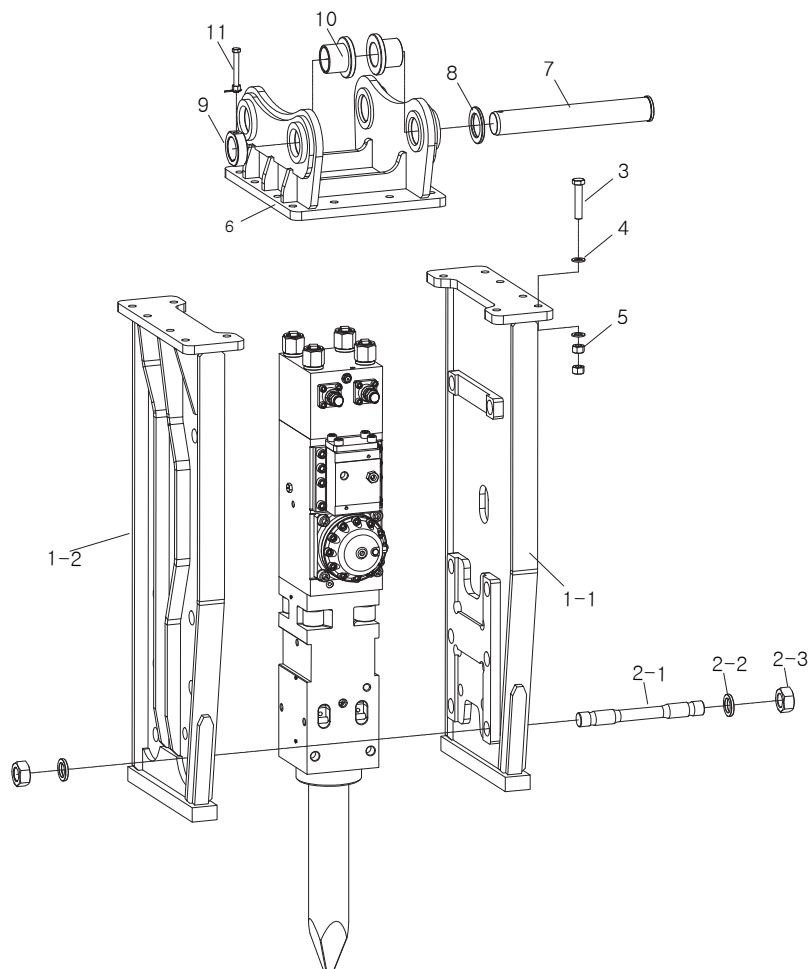
EDDIE135F MAIN BODY PARTS



EDDIE135F MAIN BODY PARTS LIST

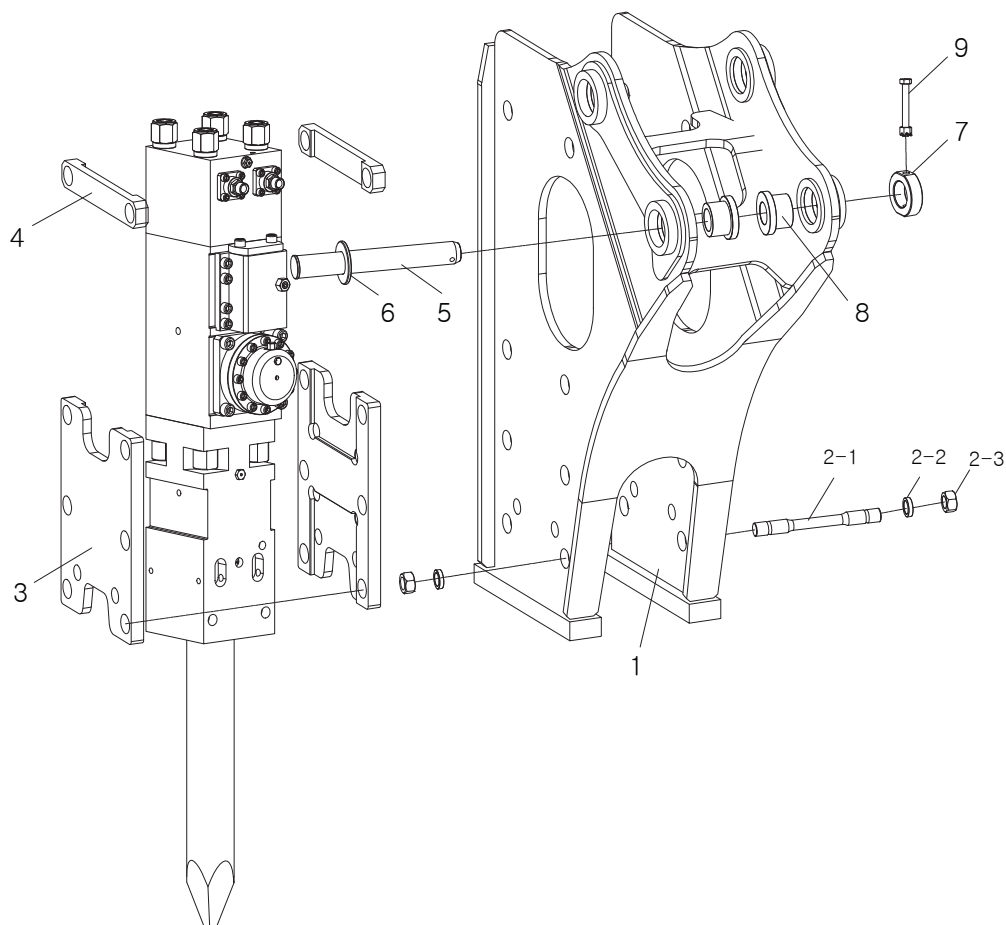
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	02000FBH	Back Head	1		51	SPBF04A	Socket Plug	4	
2	BHCVBF08	B/H Charging Valve	1		52	02000FVH	Valve Housing	1	NSS
3	SBG040	O Ring	4	NSS	53	SPBF16	Socket Plug	1	
4	ST3G040	Back-up Ring	2	NSS	54	SBG025	O Ring	3	NSS
5	SBG055	O Ring	2	NSS	55	SF045	Face Seal	1	NSS
6	02000FABF16-45	Flange Adapter	2		56	SBG045	O Ring	1	NSS
7	SBM1435F112	Socket Bolt	8		57	SBM205012	Socket Bolt	12	
8	SABFF16	Screwed Adapter	2		58	SPBF04	Socket Plug	1	
9	ACBF16	Adapter Cap	2		59	ST3P014	Back-up Ring	1	NSS
10	SBG190	O Ring	1	NSS	60	02000VA	Valve Adjuster	1	
11	SBG160	O Ring	2	NSS	61	02000VAN	Valve Adjuster Nut	1	
12	ST3G160	Back-up Ring	3	NSS	62	02000V	Valve	1	NSS
14	SCG135	Gas Seal	1	NSS	63	02000VS	Valve Sleeve	1	NSS
15	SCS135	Step Seal	2	NSS	64	SBG060	O Ring	1	NSS
16	02000FSR	Seal Retainer	1		65	ST3G060	Back-up Ring	1	NSS
17	SBP029	O Ring	6	NSS	66	02000FVC	Valve Cover	1	NSS
18	02000CB	Connecting Bush	2	NSS	67	GNBT04	Greasing Nipple	1	
19	02000FPB	Plug Bush	1	NSS	68	02000FFH	Front Head	1	
20	ACVBF08-1	Air Check Valve	1		69	00435KP	Knock Pin	2	
21	02000FCY-B1	Cylinder	1		70	02000FRB	Ring Bush	1	
22	HCM202509	Heli Coil	8		71	02000FFC	Front Cover	1	
23	HCM243008	Heli Coil	4		72	02000FFCS	Front Cover(S)	1	
24	SCB140-2	Buffer Seal	1	NSS	73	02000FRP	Rod Pin	2	
25	SCUP140	U-Packing	1	NSS	74A	RP20	Rubber Plug	3	
26	SCD140	Dust Seal	1	NSS	74B	SRPM24-L	Screwed Rubber Plug(S)	3	
27	02000FP	Piston	1		75	SRH30	Snap Ring	2	
28	02000AB	Acc. Body	1	NSS	76	RP30	Rubber Plug	2	
29	02000AHN	Acc. Holder Nut	1	NSS	77	02000FCP	Front Cover Pin	2	
30	SBP080	O Ring	1	NSS	78	02000SP	Stop Pin	3	
31	S4BP080	Back-up Ring	1	NSS	79	SPBT04	Socket Plug	1	
32	SBM246012	Socket Bolt	4		80	02000TBHN	Through Bolt Hex. Nut	4	NSS
33	02000AHKP	Acc. Holder Knock Pin	1	NSS	81	02000TBW	Through Bolt Washer	4	NSS
34	02000AHA	Acc. Holder A	1	NSS	82	02000TB	Through Bolt	4	NSS
35	02000AHB	Acc. Holder B	1	NSS	83	02000TBRN	Through Bolt Rd. Nut	4	NSS
36	02000AHAC	Acc. Holder C	1	NSS	84A	02000FT-M	Tool-M Type	1	
37	02000AHBT	Acc. Holder Bolt	1	NSS	84B	02000FT-V	Tool-V Type	1	
38	02000AD	Acc. Diaphragm	1		84C	02000FT-H	Tool-H Type	1	
39	02000AC	Acc. Cover	1		84D	02000FT-C	Tool-C Type	1	
40	SBM1840F212	Socket Bolt	12		84E	02000FT-B	Tool-B Type	1	
41	02000AHP	Acc. Hex. Plug	1		101	02000FS-CY-B1	Seal Kit	1	
42	SBP011	O Ring	6	NSS	102	02000FV-AY	Valve Assy	1	
43	SBP005	O Ring	1	NSS	103	02000A-AY	Acc. Assy	1	
44	SBP014	O Ring	2	NSS	104	02000TB-AY	Through Bolt Assy	4	
45	02000ACV	Acc. Charging Valve	1		105A	02000FTLB-ST	Tool Box Assy-ST	1	
46	02000ACVC	Acc. Charging Valve Cover	1		105B	02000FTLB-B	Tool Box Assy-B	1	
47	02000CYAN	Cylinder Adjuster Nut	1		106	02000FBH-AY	Back Head Assy	1	
48	02000CYA	Cylinder Adjuster	1		107	02000FCY-B1-AY	Cylinder Assy	1	
49	ST3P012	Back-up Ring	1	NSS	108	02000FFH-AY	Front Head Assy	1	
50	SBP012	O Ring	1	NSS	109	02000AB-AY	Acc. Body Assy	1	

EDDIE135FT



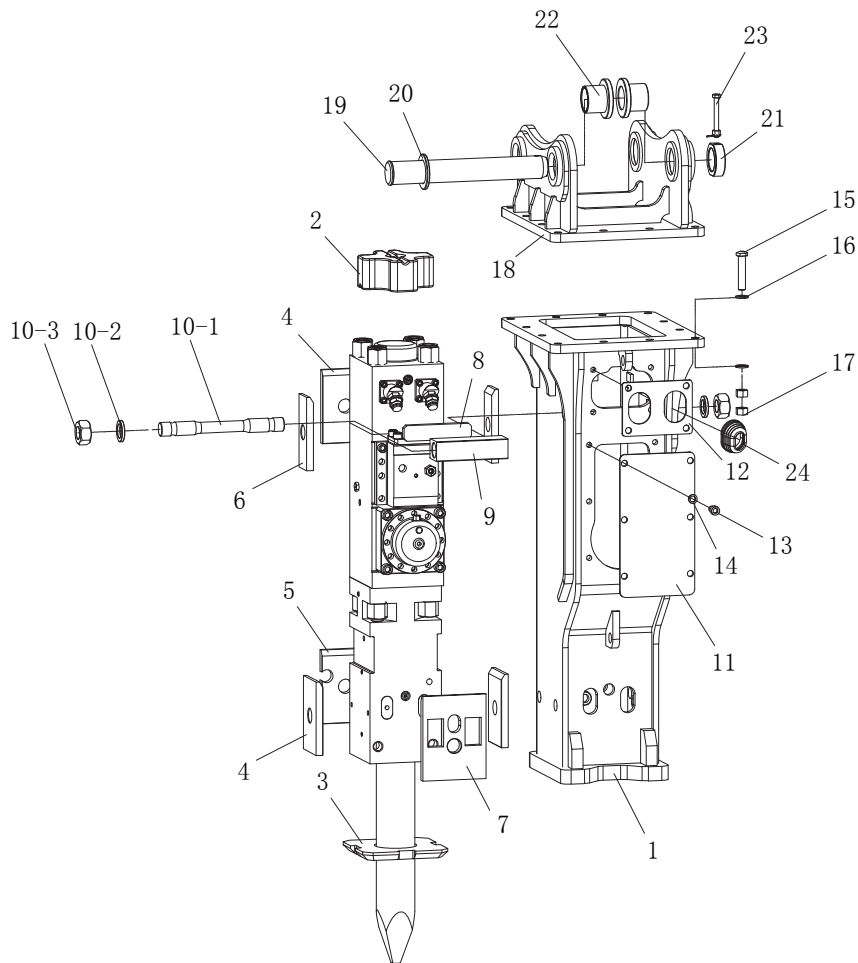
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E135FF-T	Frame	1	
2	E135FSB-AY	Side Bolt-AY	8	2-1/2-2/2-3
3	HBM24120	Hex bolt	12	
4	W24	Washer	24	
5	HNM24	Hex.Nut	24	
6	E135FMC-T	Mount Cap	1	
7	E135FMP	Mount Pin	2	
8	E135FMPR	Mount Pin Ring	2	
9	E135FMPS	Mount Pin Stopper	2	
10	E135FMPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE135FS



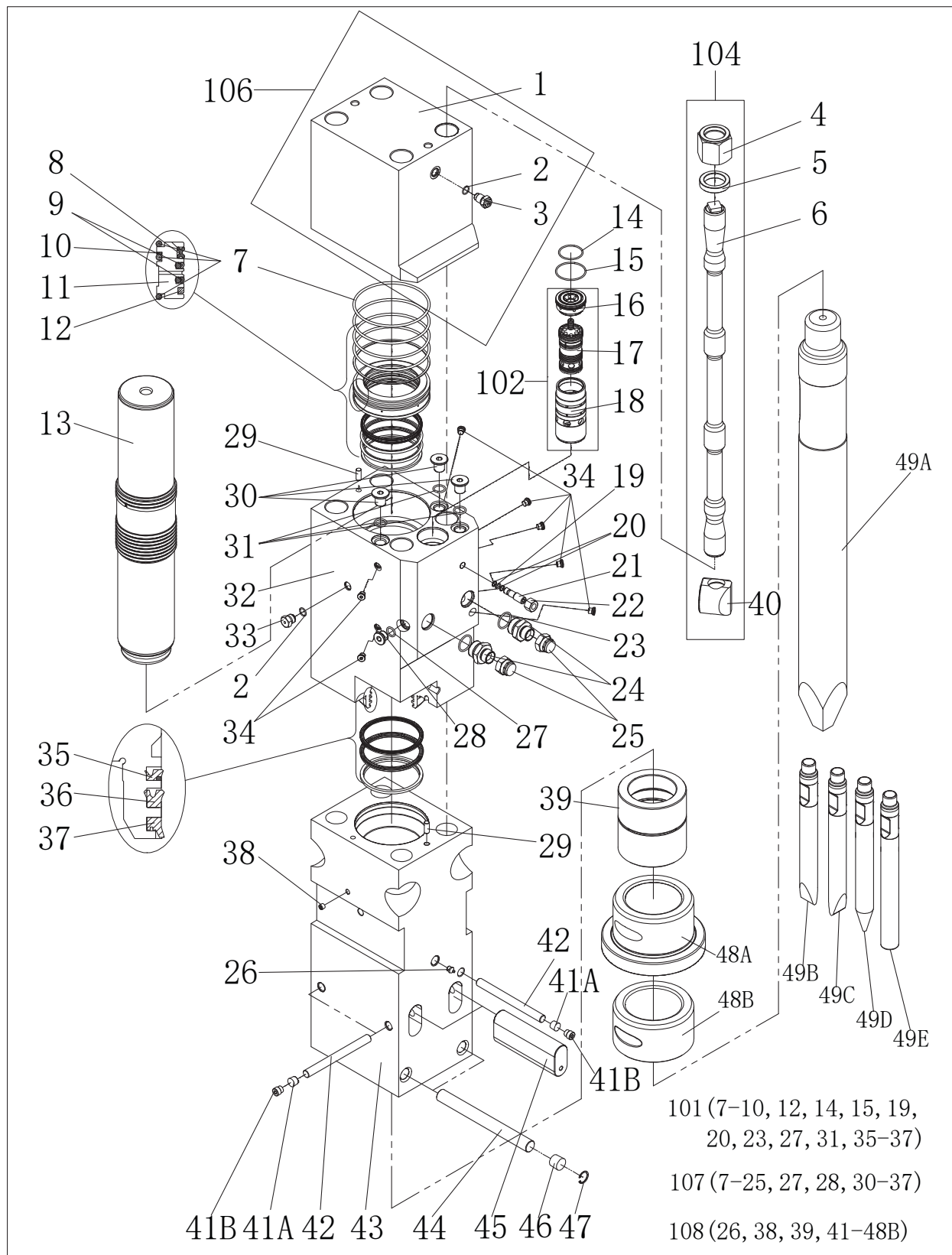
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E135FF-S	Frame	1	
2	E135FSB-AY	Side Bolt-AY	8	2-1/2-2/2-3
3	E135FCPL	Clamping Plate	2	
4	E135FGP	Guide Plate	2	
5	E135FMP	Mount Pin	2	
6	E135FMPR	Mount Pin Ring	2	
7	E135FMPS	Mount Pin Stopper	2	
8	E135FMPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE135FB



NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E135FF-B20	Frame	1		13	SBM2030	Socket Bolt	10	
2	E135FCRD	Cross Damper	1		14	F20	Washer	10	
3	E135FBLD	Below Damper	1		15	HBM24120	Hex bolt	12	
4	E135FSDA	Side Damper A	3		16	W24	Washer	24	
5	E135FSDB	Side Damper B	1		17	HNM24	Hex.Nut	24	
6	E135FSDC	Side Damper C	2		18	E135FMC-B	Mount Cap	1	
7	E135FSDD	Side Damper D	1		19	E135FMP	Mount Pin	2	
8	E135FSDE	Side Damper E	1		20	E135FMPR	Mount Pin Ring	2	
9	E135FTB-B	Tie Bush	1		21	E135FMPS	Mount Pin Stopper	2	
10	E135FSB-BAY	Side Bolt Assy	1	10-1/10-2/10-3	22	E135FMPB	Mount Pin Bush	4	
11	E135FCVM	Middle Cover Plate	1		23	HBWH-AY	Hex bolt With Hole Assy	2	
12	E135FCVB	Behind Cover Plate	1		24	HOBU1	Hose Bush	2	

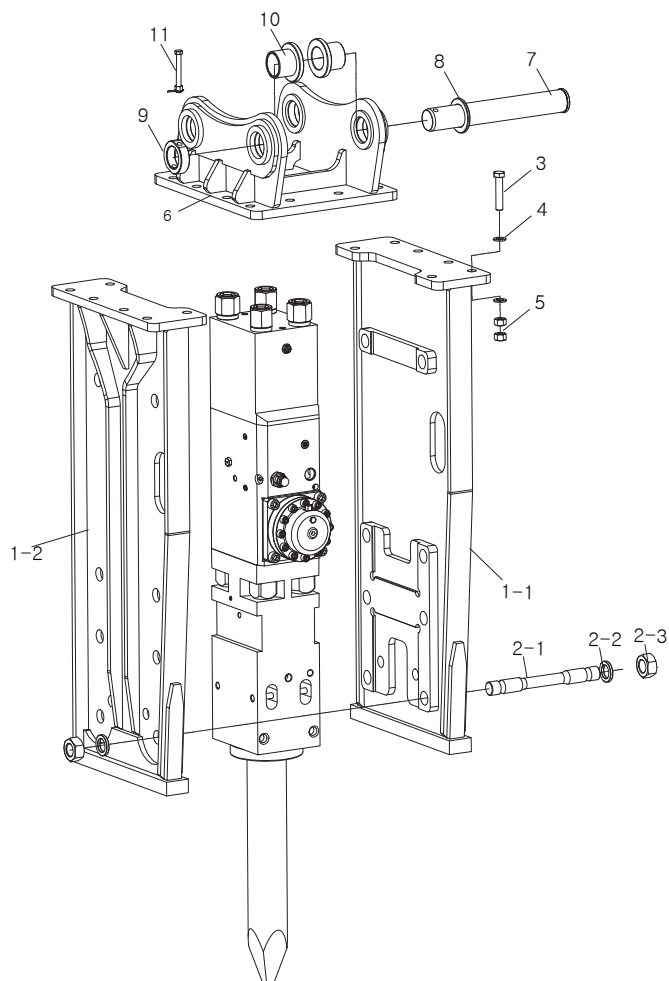
EDDIE140 MAIN BODY PARTS



EDDIE140 MAIN BODY PARTS LIST

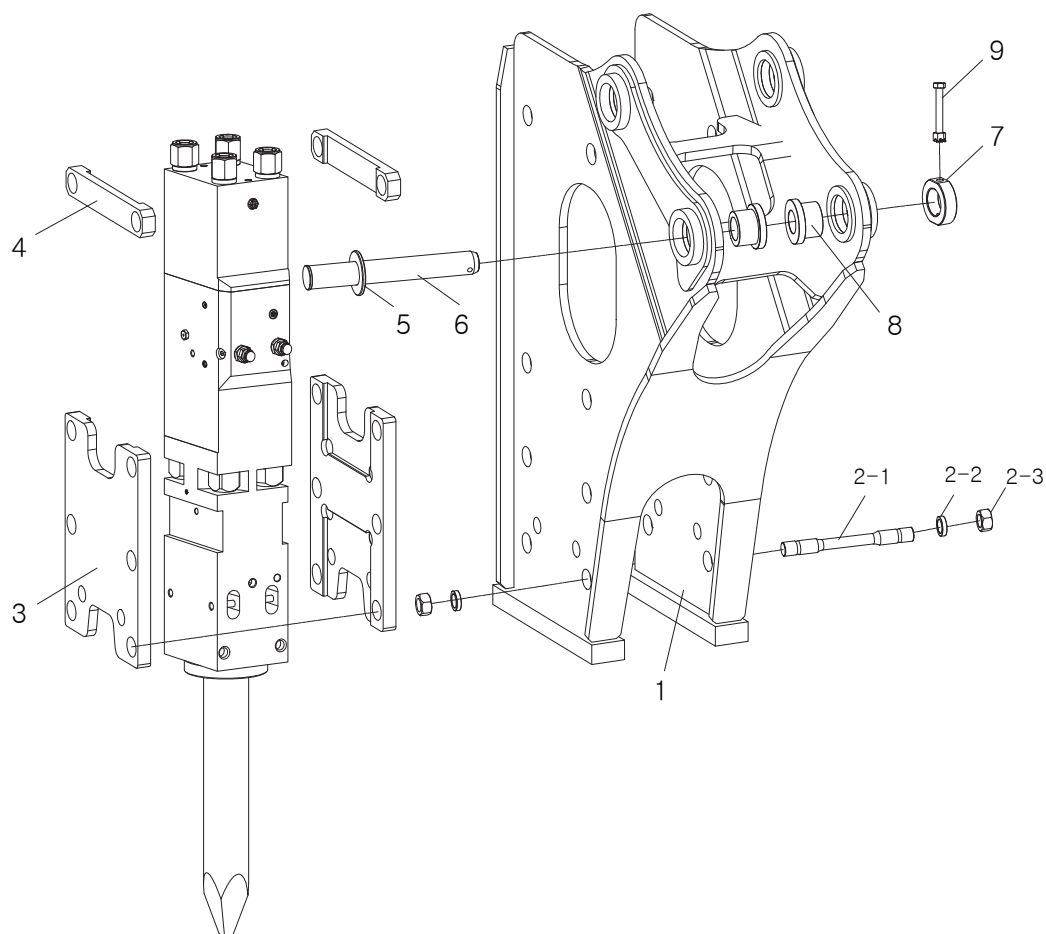
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	02200BH	Back Head	1		33	ACVBF08-1	Air Check Valve	1	
2	SAP018	O Ring	2	NSS	34	SPBF04	Socket Plug	7	
3	BHCVBF08	B/H Charging Valve	1		35	SCB140-2	Buffer Seal	1	NSS
4	02200TBHN	Through Bolt Hex. Nut	4	NSS	36	SCUP140	U-Packing	1	NSS
5	02200TBW	Through Bolt Washer	4	NSS	37	SCD140	Dust Seal	1	NSS
6	02200TB	Through Bolt	4	NSS	38	SPBT04	Socket Plug	1	
7	SBG180	O Ring	4	NSS	39	02200RB-X3	Ring Bush	1	
8	SCG138	Gas Seal	1	NSS	40	02200TBRN-C	Through Bolt Rd. Nut	4	NSS
9	SCS138	Step Seal	2	NSS	41A	RP20	Rubber Plug	3	
10	ST3G180	Back-up Ring	1	NSS	41B	SRPM24-L	Screwed Rubber Plug(S)	3	
11	02200SR-B	Seal Retainer	1		42	02000SP	Stop Pin	3	
12	SCBR138	Buffer Ring	1	NSS	43	02200FH-X2	Front Head	1	
13	02200P	Piston	1		44	02200FCP	Front Cover Pin	2	
14	SBG055	O-Ring	1	NSS	45	02200RP	Rod Pin	2	
15	SBG070	O-Ring	1	NSS	46	RP30	Rubber Plug	2	
16	02200VC-A	Valve Cap	1	NSS	47	SRH30	Snap Ring	2	
17	02200V-C1	Valve	1	NSS	48A	02200FC	Front Cover	1	
18	02200VS-C1	Valve Sleeve	1	NSS	48B	02200FCS	Front Cover (S)	1	
19	SBP011	O Ring	1	NSS	49A	02200T-M	Tool-M Type	1	
20	ST3P011	Back-up Ring	2	NSS	49B	02200T-V	Tool-V Type	1	
21	02200VA	Valve Adjuster	1		49C	02200T-H	Tool-H Type	1	
22	02200VAN	Valve Adjuster Nut	1		49D	02200T-C	Tool-C Type	1	
23	SBP038	O Ring	2	NSS	49E	02200T-B	Tool-B Type	1	
24	SABFF20-16	Screwed Adapter	2		101	02200S-CY-A2	Seal Kit	1	
25	ACBF16	Adapter Cap	2		102	02200V-C1-AY	Valve Assy	1	
26	GNBT04	Grease Nipple	1		104	02200TB-C-AY	Through Bolt Assy	4	
27	SBP22.4	O Ring	1	NSS	105A	02200TLB-S	Toolbox-Side	1	
28	SPBF12	Socket Plug	1		105B	02200TLB-T	Toolbox-Top	1	
29	00435KP	Knock Pin	2		105C	02200TLB-B	Toolbox-Box	1	
30	SPM27F1A	Socket Plug	3		106	02200BH-AY	Back Head Assy	1	
31	SBP024	O Ring	3	NSS	107	02200CY-A2-AY	Cylinder Assy	1	
32	02200CY-A2	Cylinder	1		108	02200FH-X2-AY	Front Head Assy	1	

EDDIE140T



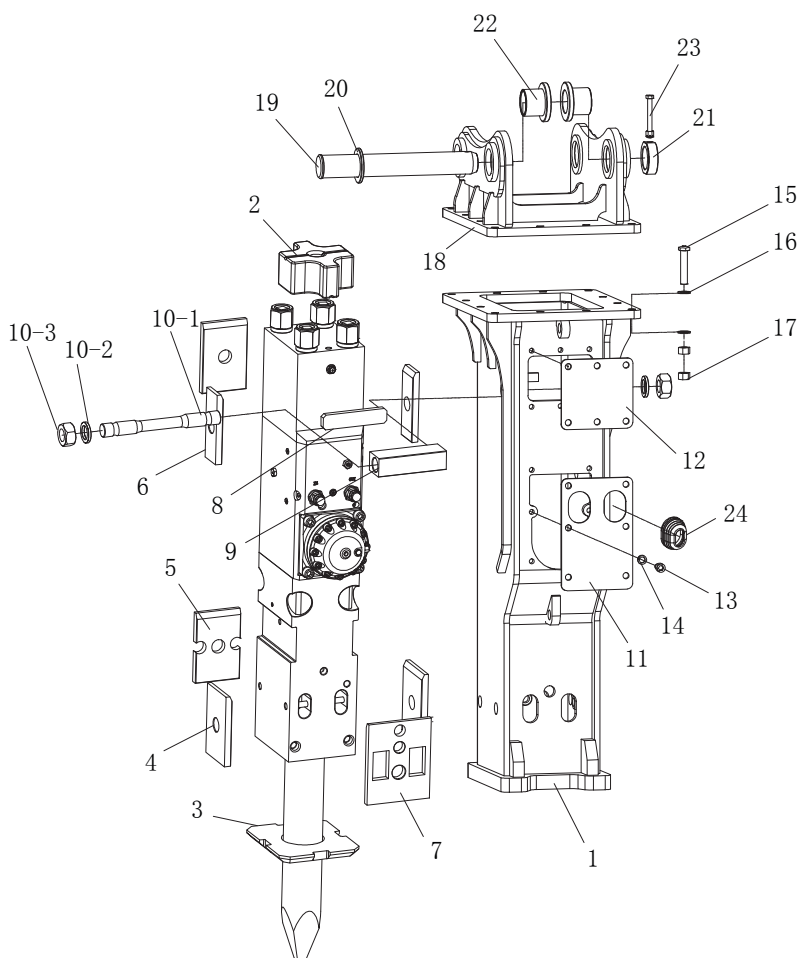
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E140F-T	Frame	1	
2	E140SB-AY	Side Bolt-AY	8	2-1/2-2/2-3
3	HBM30120	Hex bolt	12	
4	W30	Washer	24	
5	HNM30	Hex.Nut	24	
6	E140MC-T	Mount Cap	1	
7	E140MP	Mount Pin	2	
8	E140MPR	Mount Pin Ring	2	
9	E140MPS	Mount Pin Stopper	2	
10	E140MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE140S



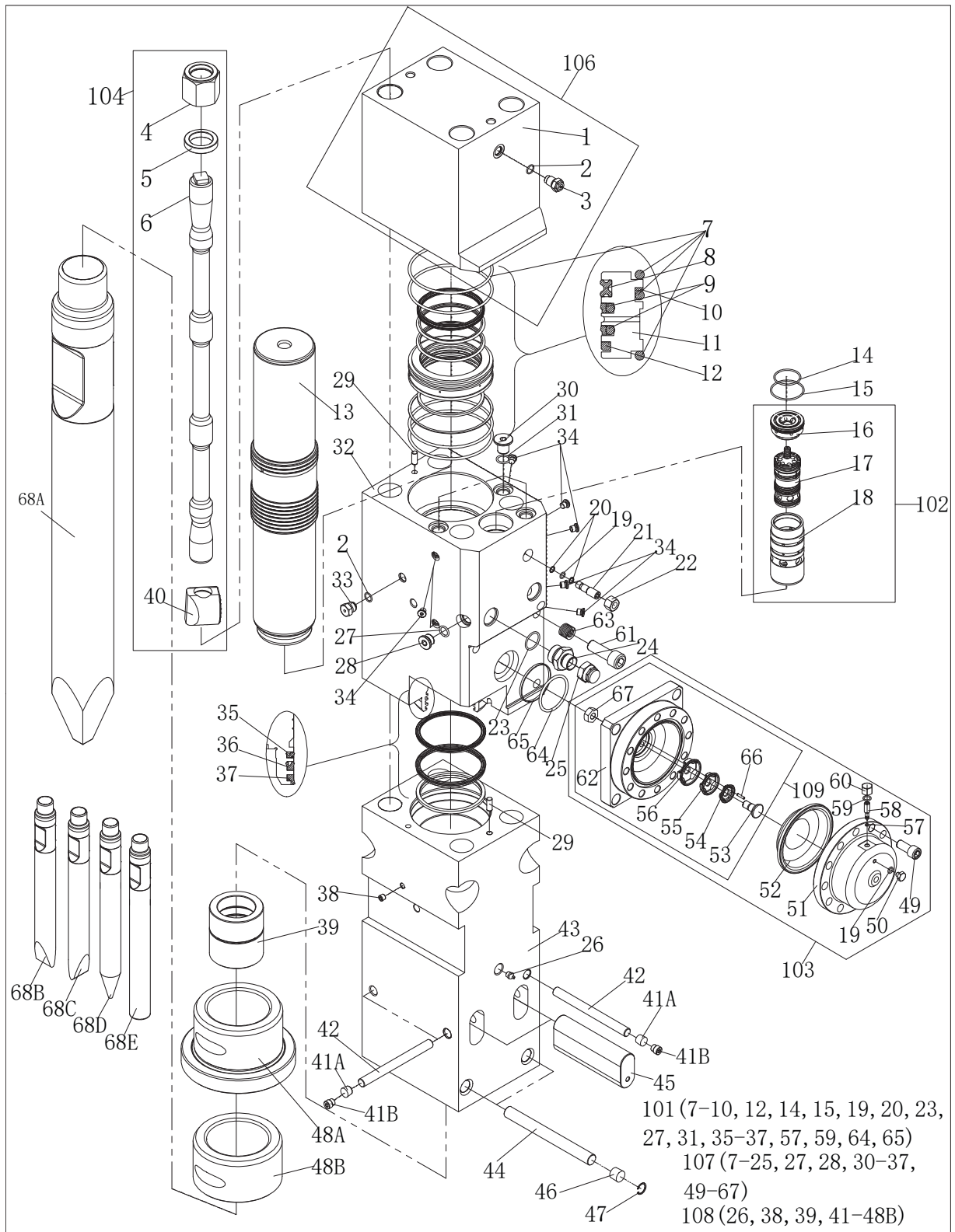
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E140F-S	Frame	1	
2	E140SB-AY	Side Bolt-AY	8	2-1/2-2/2-3
3	E140CPL	Clamping Plate	2	
4	E140GP	Guide Plate	2	
5	E140MP	Mount Pin	2	
6	E140MPR	Mount Pin Ring	2	
7	E140MPS	Mount Pin Stopper	2	
8	E140MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE140B



NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E140F-B20	Frame	1		13	SBM2030	Socket Bolt	10	
2	E140CRD	Cross Damper	1		14	F20	Washer	10	
3	E140BLD	Below Damper	1		15	HBM24120	Hex bolt	12	
4	E140SDA	Side Damper A	3		16	W24	Washer	24	
5	E140SDB	Side Damper B	1		17	HNM24	Hex.Nut	24	
6	E140SDC	Side Damper C	2		18	E140MC-B	Mount Cap	1	
7	E140SDD	Side Damper D	1		19	E140MP	Mount Pin	2	
8	E140SDE	Side Damper E	1		20	E140MPR	Mount Pin Ring	2	
9	E140TB-B	Tie Bush	1		21	E140MPS	Mount Pin Stopper	2	
10	E140SB-BAY	Side Bolt Assy	1	10-1/10-2/10-3	22	E140MPB	Mount Pin Bush	4	
11	E140CVM	Middle Cover Plate	1		23	HBWH-AY	Hex bolt With Hole Assy	2	
12	E140CVB	Behind Cover Plate	1		24	HOBU1	Hose Bush	2	

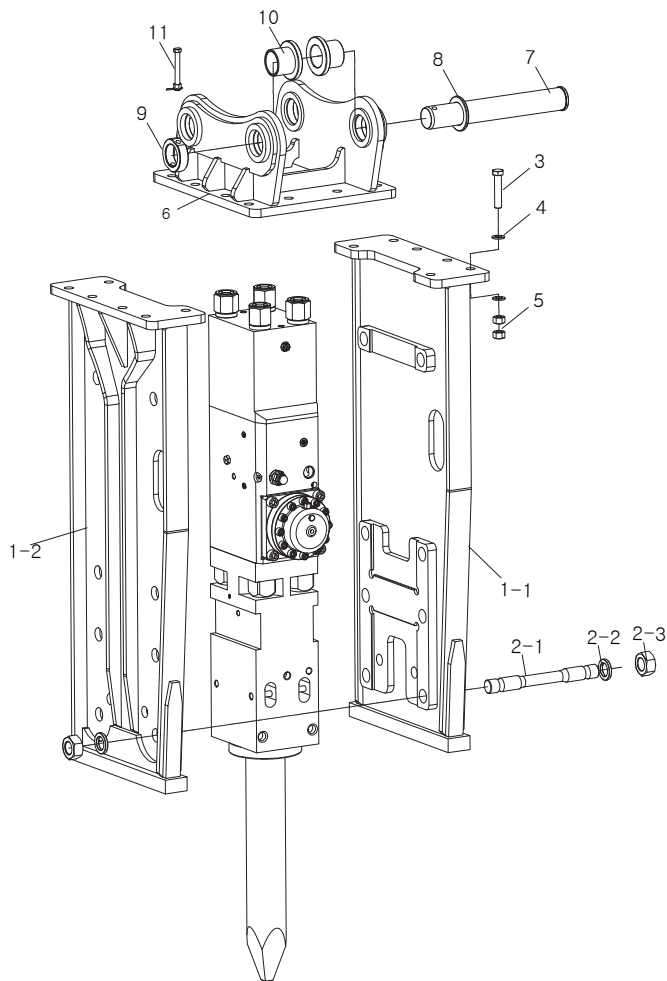
EDDIE140A MAIN BODY PARTS



EDDIE140A MAIN BODY PARTS LIST

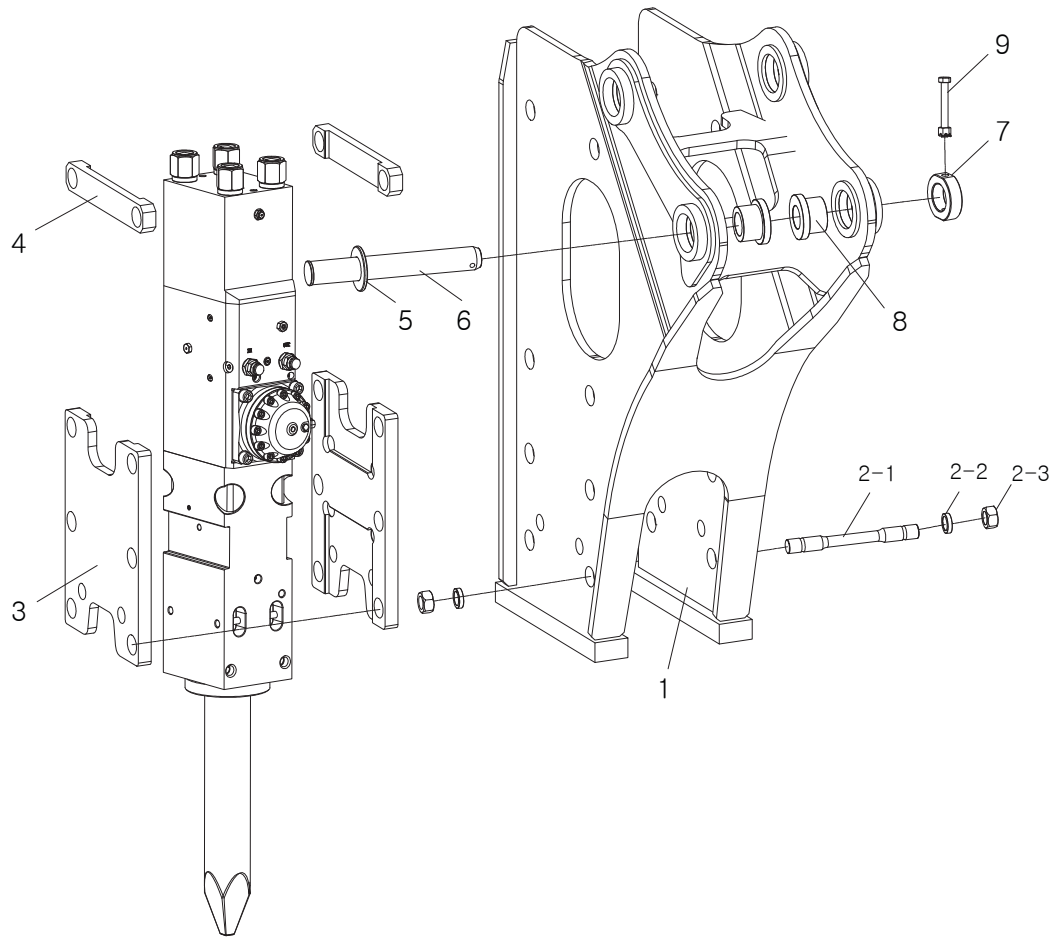
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	02200BH	Back Head	1		42	02000SP	Stop Pin	3	
2	SBP018	O Ring	2	NSS	43	02200FH-X2	Front Head	1	
3	BHCVBF08	B/H Charging Valve	1		44	02200FCP	Front Cover Pin	2	
4	02200TBHN	Through Bolt Hex. Nut	4	NSS	45	02200RP	Rod Pin	2	
5	02200TBW	Through Bolt Washer	4	NSS	46	RP30	Rubber Plug	2	
6	02200TB	Through Bolt	4	NSS	47	SRH30	Snap Ring	2	
7	SBG180	O Ring	4	NSS	48A	02200FC	Front Cover	1	
8	SCG138	Gas Seal	1	NSS	48B	02200FCS	Front Cover (S)	1	
9	SCS138	Step Seal	2	NSS	49	SBM1840F212	Socket Bolt	12	
10	ST3G180	Back-up Ring	1	NSS	50	02000AHP	Acc. Hex. Plug	1	
11	02200SR-B	Seal Retainer	1		51	02000AC	Acc. Cover	1	
12	SCBR138	Buffer Ring	1	NSS	52	02000AD	Acc. Diaphragm	1	
13	02200P	Piston	1		53	02000AHBT	Acc. Holder Bolt	1	NSS
14	SBG055	O Ring	1	NSS	54	02000AHA	Acc. Holder (A)	1	NSS
15	SBG070	O Ring	1	NSS	55	02000AHB	Acc. Holder (B)	1	NSS
16	02200VC-A	Valve Cap	1	NSS	56	02000AHC	Acc. Holder (C)	1	NSS
17	02200V-C1	Valve	1	NSS	57	SBP005	O Ring	1	NSS
18	02200VS-C1	Valve Sleeve	1	NSS	58	02000ACV	Acc. Charging Valve	1	
19	SBP011	O Ring	2	NSS	59	SBP014	O Ring	1	NSS
20	ST3P011	Back-up Ring	2	NSS	60	02000ACVC	Acc. Charging Valve Cover	1	
21	02200VA	Valve Adjuster	1		61	SBM246012	Socket Bolt	4	
22	02200VAN	Valve Adjuster Nut	1		62	02000AB	Acc. Body	1	NSS
23	SBP038	O Ring	2	NSS	63	HCM243012	Heli Coil	4	
24	SABFF20-16	Screwed Adapter	2		64	SBP080	O Ring	1	NSS
25	ACBF16	Adapter Cap	2		65	S4BP080	Back-up Ring	1	NSS
26	GNBT04	Grease Nipple	1		66	02000AHKP	Acc. Holder Knock Pin	1	NSS
27	SBP22.4	O Ring	1	NSS	67	02000AHN	Acc. Holder Nut	1	NSS
28	SPBF12	Socket Plug	1		68A	02200T-M	Tool-M Type	1	
29	00435KP	Knock Pin	2		68B	02200T-V	Tool-V Type	1	
30	SPM27F1A	Socket Plug	3		68C	02200T-H	Tool-H Type	1	
31	SBP024	O Ring	3	NSS	68D	02200T-C	Tool-C Type	1	
32	02200ACY-A2	Cylinder	1		68E	02200T-B	Tool-B Type	1	
33	ACVBF08-1	Air Check Valve	1		101	02200AS-CY-A2	Seal Kit	1	
34	SPBF04	Socket Plug	7		102	02200V-C1-AY	Valve Assy	1	
35	SCB140-2	Buffer Seal	1	NSS	103	02000A-AY	Acc. Assy	1	
36	SCUP140	U-Packing	1	NSS	104	02200TB-C-AY	Through Bolt Assy	4	
37	SCD140	Dust Seal	1	NSS	105A	02200ATLB-S	Toolbox-Side	1	
38	SPBT04	Socket Plug	1		105B	02200ATLB-T	Toolbox-Top	1	
39	02200RB-X3	Ring Bush	1		105C	02200ATLB-B	Toolbox-Box	1	
40	02200TBRN-C	Through Bolt Rd. Nut	4	NSS	106	02200BH-AY	Back Head Assy	1	
41A	RP20	Rubber Plug	3		107	02200ACY-A2-AY	Cylinder Assy	1	
41B	SRPM24-L	Screwed Rubber Plug(S)	3		108	02200FH-X2-AY	Front Head Assy	1	
					109	02000AB-AY	Acc. Body Assy	1	

EDDIE140AT



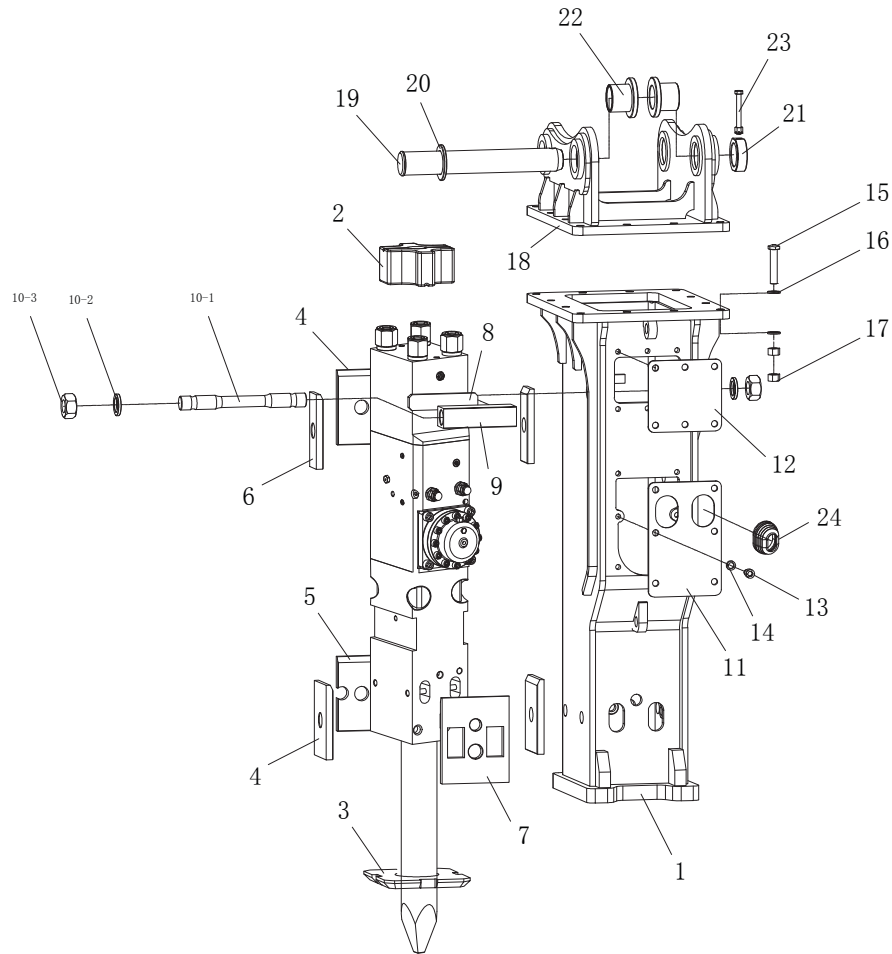
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E140AF-T	Frame	1	
2	E140ASB-AY	Side Bolt-AY	8	2-1/2-2/2-3
3	HBM30120	Hex bolt	12	
4	W30	Washer	24	
5	HNM30	Hex.Nut	24	
6	E140AMC-T	Mount Cap	1	
7	E140AMP	Mount Pin	2	
8	E140AMPR	Mount Pin Ring	2	
9	E140AMPS	Mount Pin Stopper	2	
10	E140AMPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE140AS



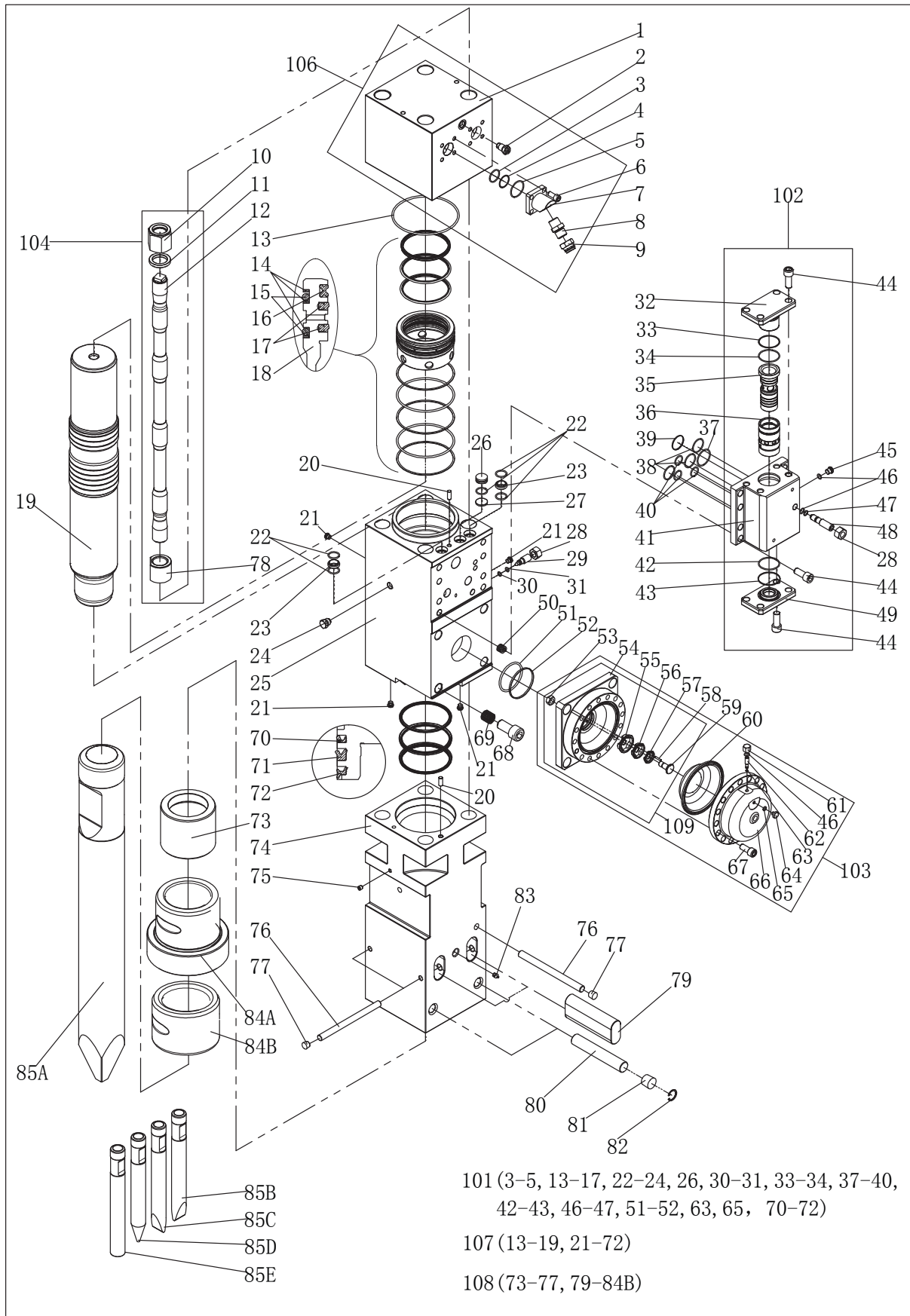
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E140AF-S	Frame	1	
2	E140ASB-AY	Side Bolt-AY	8	2-1/2-2/2-3
3	E140ACPL	Clamping Plate	2	
4	E140AGP	Guide Plate	2	
5	E140AMP	Mount Pin	2	
6	E140AMPR	Mount Pin Ring	2	
7	E140AMPS	Mount Pin Stopper	2	
8	E140AMPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE140AB



NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E140AF-B20	Frame	1		13	SBM2030	Socket Bolt	10	
2	E140ACRD	Cross Damper	1		14	F20	Washer	10	
3	E140ABLD	Below Damper	1		15	HBM24120	Hex bolt	12	
4	E140ASDA	Side Damper A	3		16	W24	Washer	24	
5	E140ASDB	Side Damper B	1		17	HN24	Hex.Nut	24	
6	E140ASDC	Side Damper C	2		18	E140AMC-B	Mount Cap	1	
7	E140ASDD	Side Damper D	1		19	E140AMP	Mount Pin	2	
8	E140ASDE	Side Damper E	1		20	E140AMPR	Mount Pin Ring	2	
9	E140ATB-B	Tie Bush	1		21	E140AMPS	Mount Pin Stopper	2	
10	E140ASB-BAY	Side Bolt Assy	1	10-1/10-2/10-3	22	E140AMPB	Mount Pin Bush	4	
11	E140ACVM	Middle Cover Plate	1		23	HBWH-AY	Hex bolt With Hole Assy	2	
12	E140ACVB	Behind Cover Plate	1		24	HOBU1	Hose Bush	2	

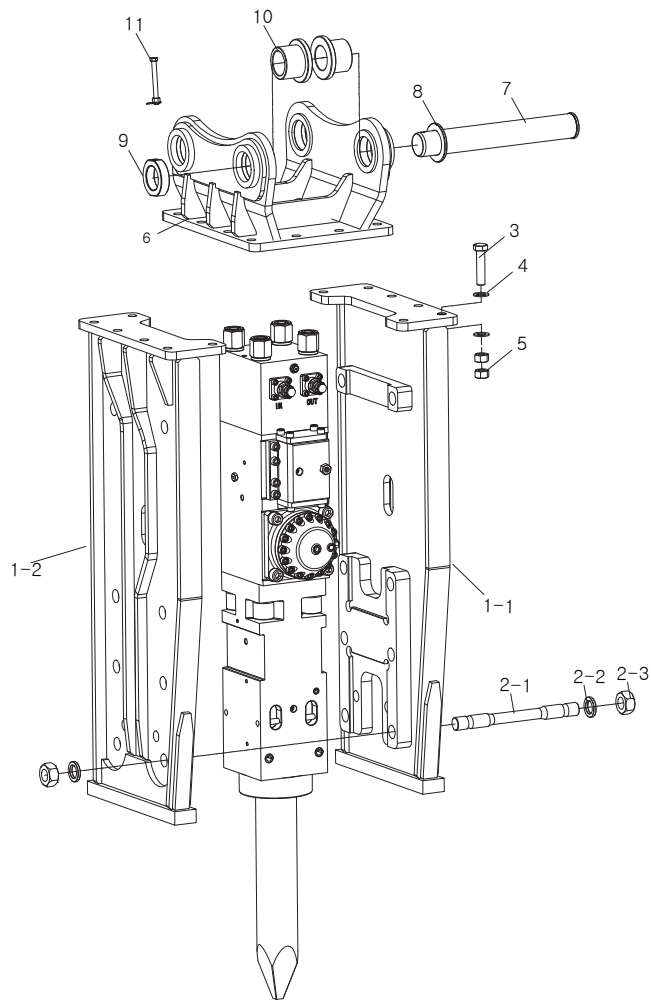
EDDIE150 MAIN BODY PARTS



EDDIE150 MAIN BODY PARTS LIST

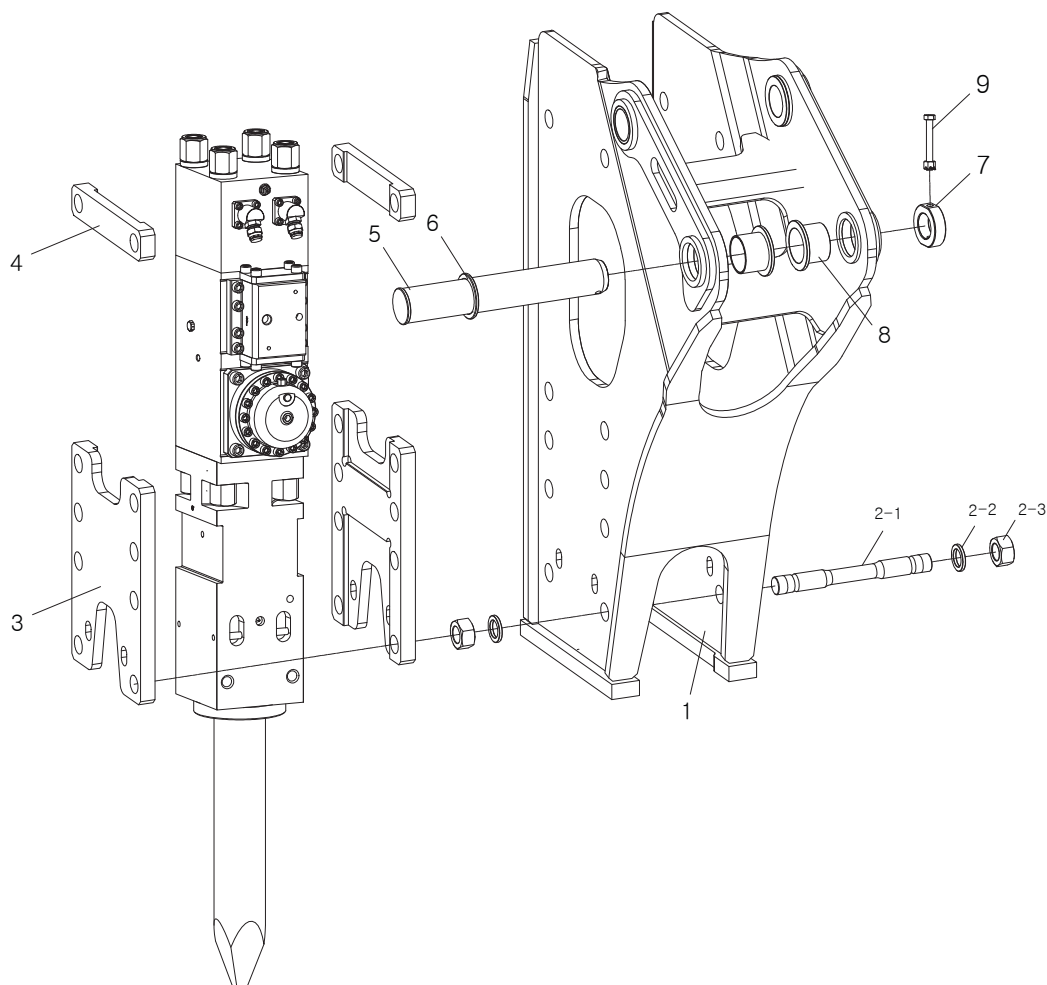
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	03000BH	Back Head	1		52	S4BP095	Back-up Ring	1	NSS
2	BHCVBF08	B/H Charging Valve	1		53	03000AHN	Acc. Holder Nut	1	NSS
3	SBG040	O-ring	2	NSS	54	03000AB	Acc.Body	1	NSS
4	ST3G040	Back-up Ring	2	NSS	55	02000AHC	Acc.Holder(C)	1	NSS
5	SBG055	O-ring	2	NSS	56	02000AHB	Acc.Holder(B)	1	NSS
6	SBM1445F112	Socket Bolt	8		57	02000AHA	Acc.Holder(A)	1	NSS
7	02000FA	Flange Adapter	2		58	02000AHKP	Acc. Holder Knock Pin	1	NSS
8	SABFF16	Screwed Adapter	2		59	02000AHBT	Acc.Holder Bolt	1	NSS
9	ACBF16	Adapter Cap	2		60	03000AD	Acc.Diaphragm	1	
10	03000TBHN	Through Bolt Hex.Nut	4	NSS	61	02000ACVC	Acc. Charging Valve Cover	1	
11	03000TBW	Through Bolt Washer	4	NSS	62	02000ACV	Acc.Charging Valve	1	
12	03000TB	Through Bolt	4	NSS	63	SBP005	O-ring	1	NSS
13	SBG215	O-ring	1	NSS	64	02000AHP	Acc.Hex.Plug	1	
14	ST3G180	Back-up Ring	3	NSS	65	SBP011	O-ring	1	NSS
15	SBG180	O-ring	2	NSS	66	03000AC	Acc.Cover	1	
16	SCG150	Gas Seal	1	NSS	67	SBM1840F212	Socket Bolt	16	
17	SCS150	Step Seal	2	NSS	68	SBM3060F212	Socket Bolt	4	
18	03000SR	Seal Retainer	1		69	HCM302012	Heli Coil	4	
19	03000P	Piston	1		70	SCB155	Buffer Seal	1	NSS
20	00435KP	Knock Pin	2		71	SCUP155	U-Packing	1	NSS
21	SPBF04A	Socket Plug	4		72	SCD155	Dust Seal	1	NSS
22	SBP032	O-ring	5	NSS	73	03000RB	Ring Bush	1	
23	03000CB	Connecting Bush	2	NSS	74	03000FH	Front Head	1	
24	ACVBF08-1	Air Check Valve	1		75	SPBT04	Socket Plug	1	
25	03000CY	Cylinder	1		76	03000SP	Stop Pin	3	
26	03000PB	Plug Bush	1	NSS	77	RP20	Rubber Plug	3	
27	03000CP	Cover Plate	1		78	03000TBRN	Through Bolt Rd.Nut	4	
28	02000VAN	Valve Adjuster Nut	2		79	02200RP	Rod Pin	2	
29	03000CYA	Cylinder Adjuster	1		80	03000FCP	Front Cover Pin	2	
30	ST3P012	Back-up Ring	1	NSS	81	RP30	Rubber Plug	2	
31	SBP012	O-ring	1	NSS	82	SRH30	Snap Ring	2	
32	03000VCA	Valve Cover A	1	NSS	83	GNBT04	Grease Nipple	1	
33	ST3G065	Back-up Ring	1	NSS	84A	03000FC	Front Cover	1	
34	SBG065	O-ring	1	NSS	84B	03000FCS	Front Cover(S)	1	
35	03000VS	Valve Sleeve	1	NSS	85A	03000T-M	Tool-M Type	1	
36	03000V	Valve	1	NSS	85B	03000T-V	Tool-V Type	1	
37	SBG055	O-ring	1	NSS	85C	03000T-H	Tool-H Type	1	
38	SBG045	O-ring	3	NSS	85D	03000T-C	Tool-C Type	1	
39	S4BG055	Back-up Ring	1	NSS	85E	03000T-B	Tool-B Type	1	
40	SBG030	O-ring	3	NSS	101	03000S	Seal Kit	1	
41	03000VH	Valve Housing	1	NSS	102	03000V-AY	Valve Assy	1	
42	SBG065	O-ring	1	NSS	103	03000A-AY	Acc. Assy	1	
43	S4BG065	Back-up Ring	1	NSS	104	03000TB-AY	Through Bolt Assy	1	
44	SBM205012	Socket Bolt	16		105A	03000TLB-S	Toolbox-Side	1	
45	SPBF06	Socket Plug	1		105B	03000TLB-T	Toolbox-Top	1	
46	SBP014	O-ring	3	NSS	105C	03000TLB-B	Toolbox-Box	1	
47	ST3P014	Back-up Ring	1	NSS	106	03000BH-AY	Back Head Assy	1	
48	03000VA	Valve Adjuster	1		107	03000CY-AY	Cylinder Assy	1	
49	03000VCB	Valve Cover B	1	NSS	108	03000FH-AY	Front Head Assy	1	
50	HCM202510	Heli Coil	8		109	03000AB-AY	Acc. Body Assy	1	
51	SBP095	O-ring	1	NSS					

EDDIE150T



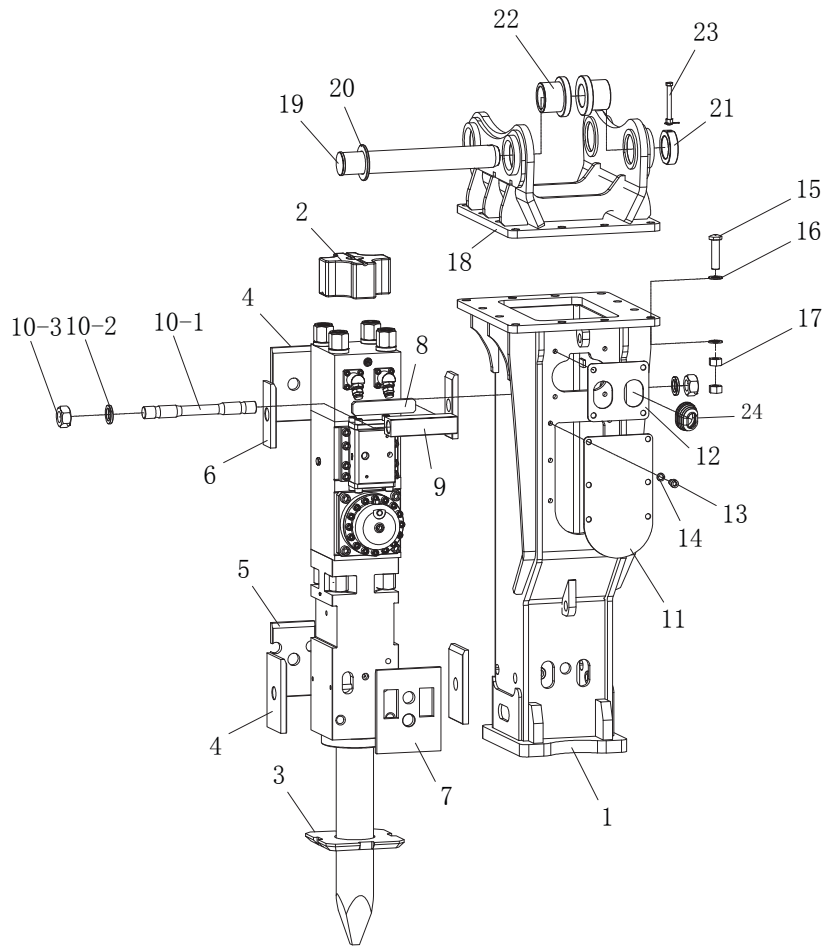
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E150F-T	Frame	1	
2	E150SB-AY	Side Bolt-AY	8	2-1/2-2/2-3
3	HBM30120	Hex bolt	12	
4	W30	Washer	24	
5	HNM30	Hex.Nut	24	
6	E150MC-T	Mount Cap	1	
7	E150MP	Mount Pin	2	
8	E150MPR	Mount Pin Ring	2	
9	E150MPS	Mount Pin Stopper	2	
10	E150MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE150S



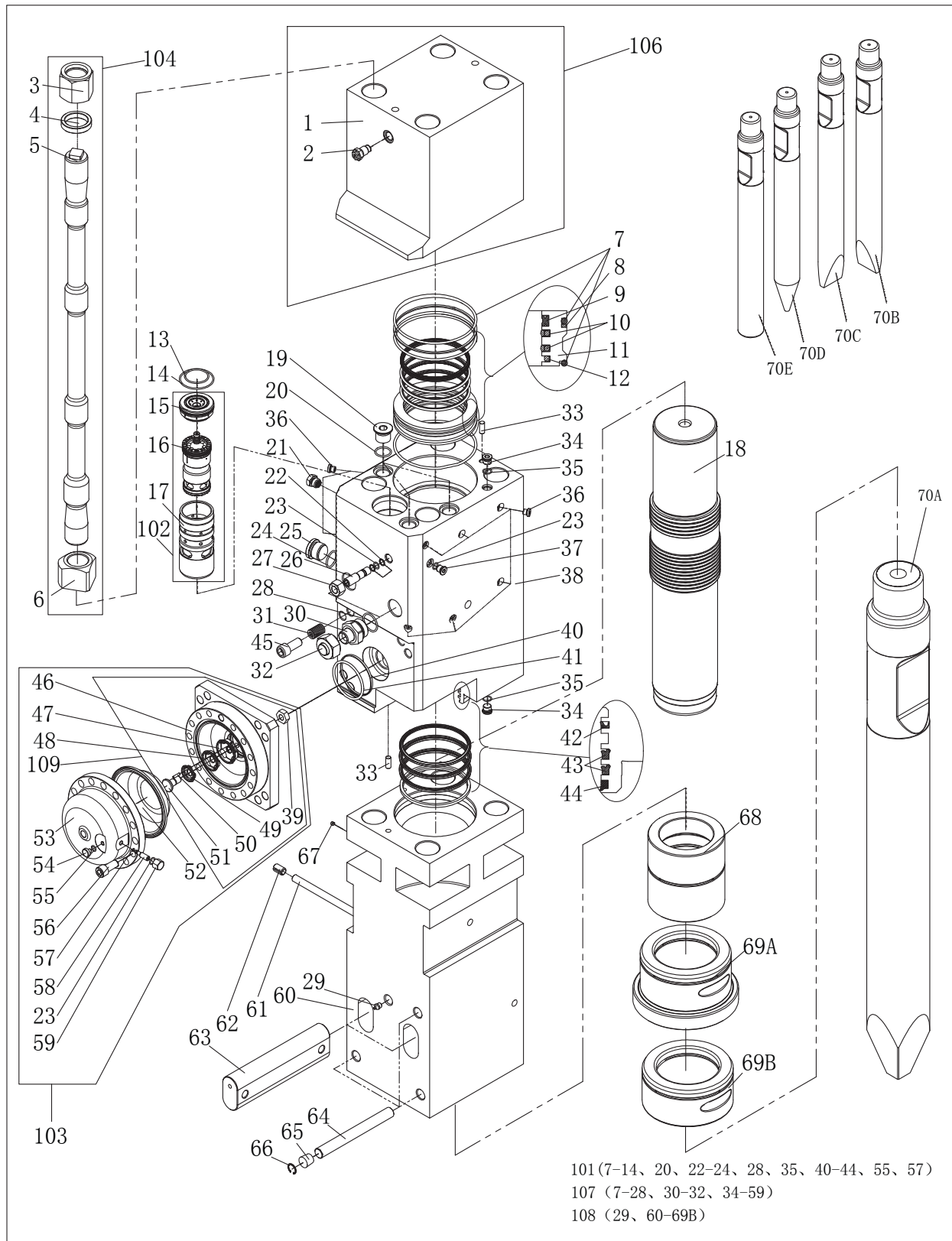
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E150F-S	Frame	1	
2	E150SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	E150CPL	Clamping Plate	2	
4	E150GP	Guide Plate	2	
5	E150MP	Mount Pin	2	
6	E150MPR	Mount Pin Ring	2	
7	E150MPS	Mount Pin Stopper	2	
8	E150MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE150B



NO.	PART NO.	PART NAME	QTY	REMARKS	NO.	PART NO.	PART NAME	QTY	REMARKS
1	E150F-B20	Frame	1		13	SBM2030	Socket Bolt	10	
2	E150CRD	Cross Damper	1		14	F20	Washer	10	
3	E150BLD	Below Damper	1		15	HBM30120	Hex bolt	12	
4	E150SDA	Side Damper A	3		16	W30	Washer	24	
5	E150SDB	Side Damper B	1		17	HN30	Hex.Nut	24	
6	E150SDC	Side Damper C	2		18	E150MC-B	Mount Cap	1	
7	E150SDD	Side Damper D	1		19	E150MP	Mount Pin	2	
8	E150SDE	Side Damper E	1		20	E150MPR	Mount Pin Ring	2	
9	E150TB-B	Tie Bush	1		21	E150MPS	Mount Pin Stopper	2	
10	E150SB-BAY	Side Bolt Assy	1	10-1/10-2/10-3	22	E150MPB	Mount Pin Bush	4	
11	E150CVM	Middle Cover Plate	1		23	HBWH-AY	Hex bolt With Hole Assy	2	
12	E150CVB	Behind Cover Plate	1		24	HOBU1	Hose Bush	2	

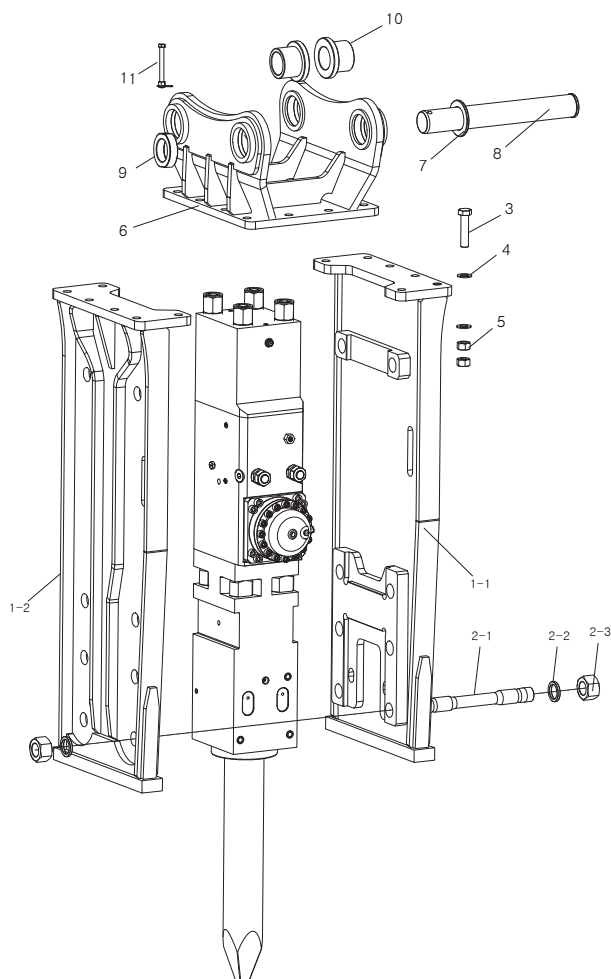
EDDIE155 MAIN BODY PARTS



EDDIE155 MAIN BODY PARTS LIST

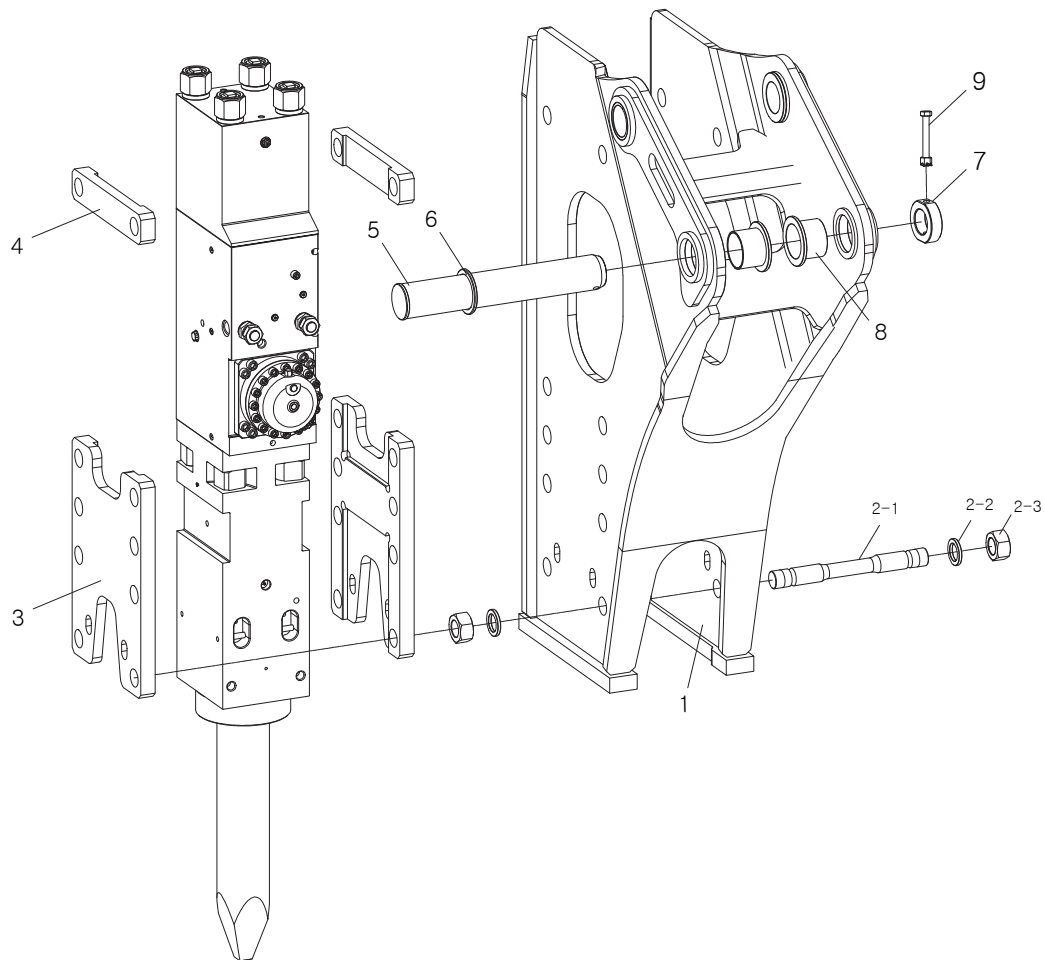
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	03200BH	Back Head	1		44	SCD160	Dust Seal	1	NSS
2	BHCVBF08	B/H Charging Valve	1		45	SBM205012	Socket Bolt	8	
3	03200TBHN	Through Bolt Hex. Nut	4	NSS	46	03200AB	Acc.Body	1	NSS
4	03200TBW	Through Bolt Washer	4	NSS	47	02000AHA	Acc. Holder A	1	NSS
5	03200TB	Through Bolt	4	NSS	48	02000AHB	Acc. Holder B	1	NSS
6	03200TBRN	Through Bolt Rd. Nut	4	NSS	49	02000AHC	Acc. Holder C	1	NSS
7	SBG195	O-ring	3	NSS	50	02000AHKP	Acc. Holder Knock Pin	1	NSS
8	ST3G195	Back-up Ring	1	NSS	51	02000AHBT	Acc. Holder Bolt	1	NSS
9	SCG157	Gas Seal	1	NSS	52	03000AD	Acc. Diaphragm	1	
10	SCS157	Step Seal	2	NSS	53	03000AC	Acc. Cover	1	
11	03200SR-B	Seal Retainer	1		54	02000AHP	Acc. Hex. Plug	1	
12	SCBR157	Buffer Ring	1	NSS	55	SBP011	O-ring	1	NSS
13	SBG080	O-ring	1	NSS	56	SBM1840F212	Socket Bolt	16	
14	SBG055	O-ring	1	NSS	57	SAP005	O-ring	1	NSS
15	03200VC	Valve Cap	1	NSS	58	02000ACV	Acc. Charging Valve	1	
16	03200V	Valve	1	NSS	59	02000ACVC	Acc. Valve Cover	1	
17	03200VS	Valve Sleeve	1	NSS	60	03200FH-A	Front Head	1	
18	03200P	Piston	1		61	03200SP	Stop Pin	1	
19	SPM36F1	Socket Plug	3		62	SP1830	Spring Pin	1	
20	SBP032	O-ring	3	NSS	63	03200RP	Rod Pin	2	
21	ACVBF08-1	Air Check Valve	1		64	03200FCP	Front Cover Pin	3	
22	ST3P014	Back-up Ring	2	NSS	65	RP26	Rubber Plug	3	
23	SBP014	O-ring	3	NSS	66	SRH26	Snap Ring	3	
24	SBP038	O-ring	1	NSS	67	SPBT04	Socket Plug	1	
25	SPBF20	Socket Plug	1		68	03200RB-A	Ring Bush	1	
26	03200VA	Valve Adjuster	1		69A	03200FC	Front Cover	1	
27	02000VAN	Valve Adjuster Nut	1		69B	03200FCS	Front Cover(S)	1	
28	SBP044	O-ring	2	NSS	70A	03200T-M-A	Tool-M Type	1	
29	GNBT04	Grease Nipple	1		70B	03200T-V-A	Tool-V Type	1	
30	SABFF24-16	Screwed Adapter	2		70C	03200T-H-A	Tool-H Type	1	
31	HCM202509	Heli Coil	8		70D	03200T-C-A	Tool-C Type	1	
32	ACBF16	Adapter Cap	2		70E	03200T-B-A	Tool-B Type	1	
33	00435KP	Knock Pin	2		101	03200S-SR-B	Seal Kit	1	
34	SPBF08	Socket Plug	2		102	03200V-AY	Valve Assy	1	
35	SBP018	O-ring	2	NSS	103	03200A-AY	Acc.Assy	1	
36	SPBF04	Socket Plug	8		104	03200TB-AY	Through Bolt Assy	1	
37	SPBF06	Socket Plug	1		105A	03200TLB-T	Toolbox-Top	1	
38	03200CY	Cylinder	1		105B	03200TLB-S	Toolbox-Side	1	
39	02000AHN	Acc. Holder Bolt	1	NSS	105C	03200TLB-B	Toolbox-Box	1	
40	S4BP095	Back-up Ring	1	NSS	106	03200BH-AY	Back Head Assy	1	
41	SBP095	O-ring	1	NSS	107	03200CY-AY	Cylinder Assy	1	
42	SCB160	Buffer Seal	1	NSS	108	03200FH-A-AY	Front Head Assy	1	
43	SCUP160	U-Packing	2	NSS	109	03200AB-AY	Acc. Body Assy	1	

EDDIE155T



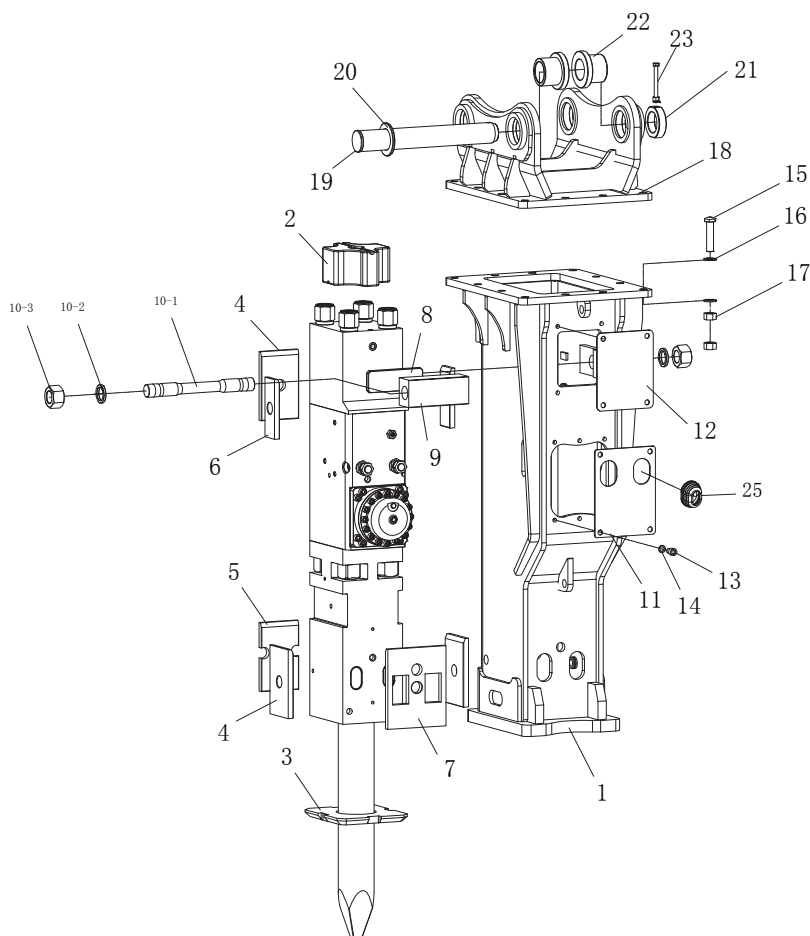
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E155F-T	Frame	1	
2	E155SB-AY	Side Bolt-AY	8	2-1/2-2/2-3
3	HBM30120	Hex bolt	12	
4	W30	Washer	24	
5	HNM30	Hex.Nut	24	
6	E155MC-T	Mount Cap	1	
7	E155MP	Mount Pin	2	
8	E155MPR	Mount Pin Ring	2	
9	E155MPS	Mount Pin Stopper	2	
10	E155MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE155S



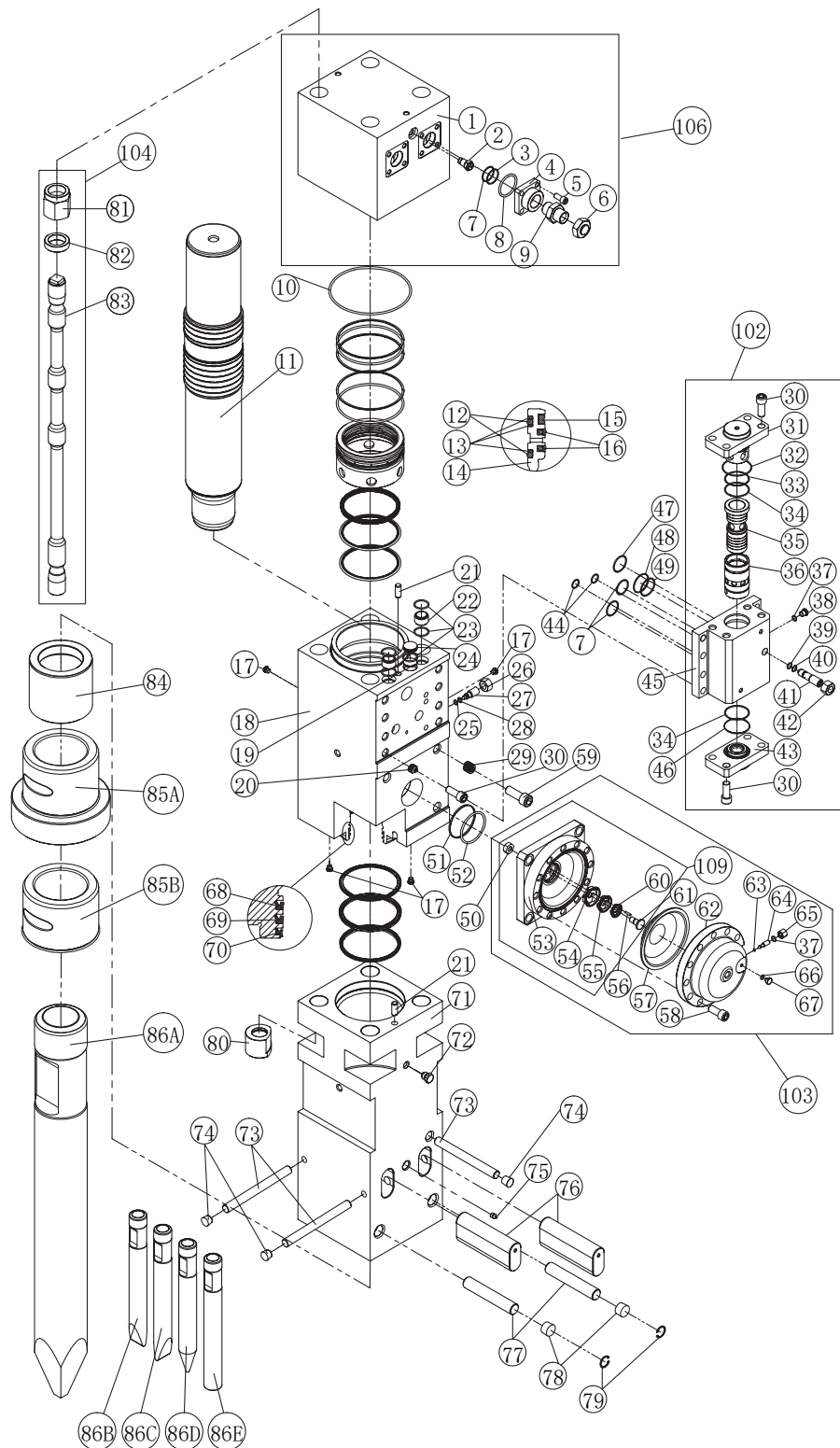
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E155F-S	Frame	1	
2	E155SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	E155CPL	Clamping Plate	2	
4	E155GP	Guide Plate	2	
5	E155MP	Mount Pin	2	
6	E155MPR	Mount Pin Ring	2	
7	E155MPS	Mount Pin Stopper	2	
8	E155MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE155B



NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E155F-B20	Frame	1		13	SBM2030	Socket Bolt	8	
2	E155CRD	Cross Damper	1		14	F20	Washer	8	
3	E155BLD	Below Damper	1		15	HBM30120	Hex. Bolt	12	
4	E155SDA	Side Damper A	3		16	W30	Washer	24	
5	E155SDB	Side Damper B	1		17	HNM30	Hex. Nut	24	
6	E155SDC	Side Damper C	2		18	E155MC-B	Mount Cap	1	
7	E155SDD	Side Damper D	1		19	E155MP	Mount Pin	2	
8	E155SDE	Side Damper E	1		20	E155MPR	Mount Pin Ring	2	
9	E155TB-B	Tie Bush	1		21	E155MPS	Mount Pin Stopper	2	
10	E155SB-BAY	Side Bolt Assy	1	10-1/10-2/10-3	22	E155MPB	Mount Pin Bush	4	
11	E155CVM	Middle Cover Plate	1		23	HBWH-AY	Hex bolt With Hole Assy	2	
12	E155CVB	Behind Cover Plate	1		24	HOB1-1/4	Hose Bush	2	

EDDIE160 MAIN BODY PARTS



101 (3, 7, 8, 10, 12, 13, 15, 16, 32, 33, 34, 37, 39, 40, 44, 46-49, 51, 52, 63, 66, 68-70)

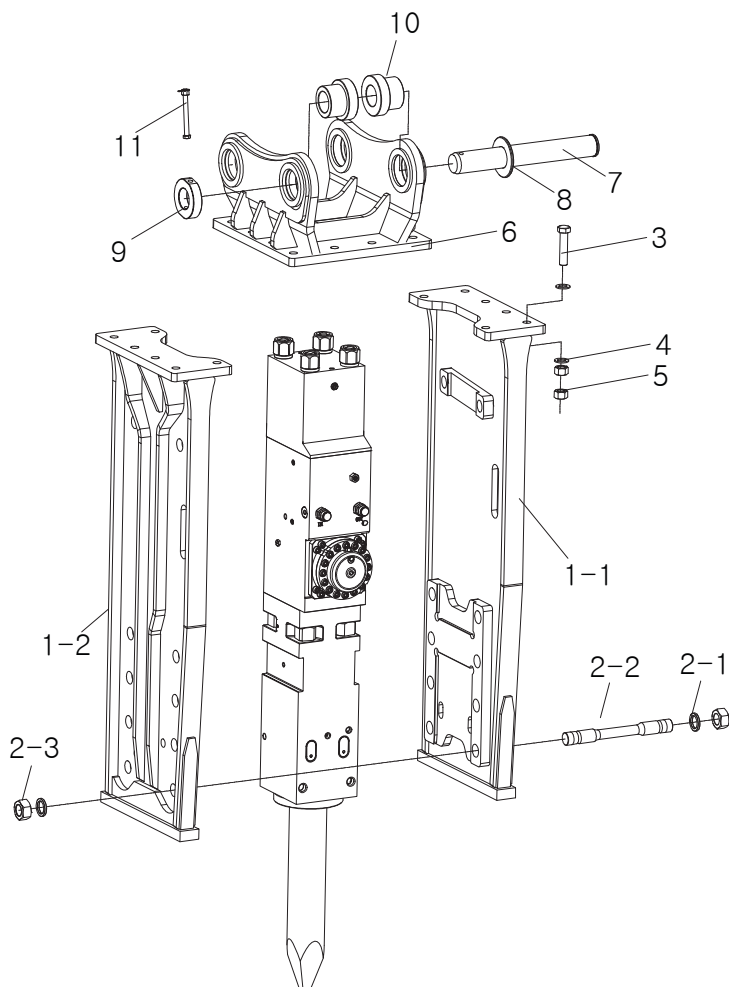
107 (102, 103, 7, 11-20, 22-30, 44, 47-49, 51, 52, 59, 68-70)

108 (71-79, 84-85B)

EDDIE160 MAIN BODY PARTS LIST

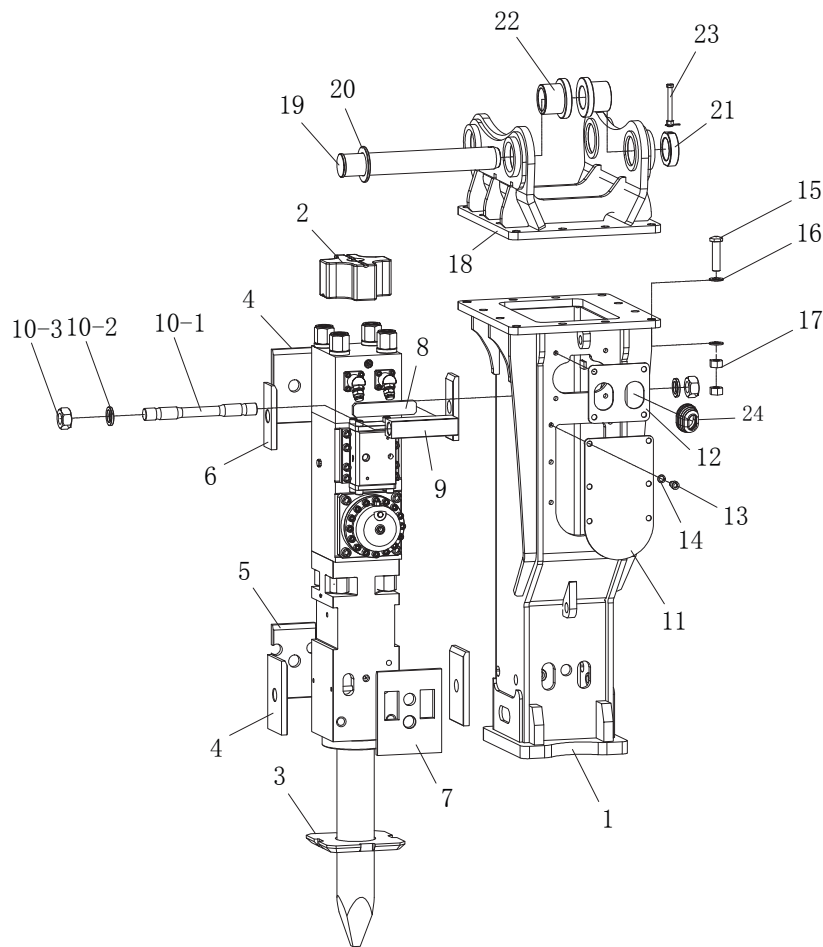
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	04000BH	Back Head	1		51	SBP095	O-ring	1	NSS
2	BHCVBF08	B/H Charging Valve	1		52	S4BP095	Back-up Ring	1	NSS
3	ST3G045	Back-up Ring	2	NSS	53	04000AB	Acc. Body	1	NSS
4	04000FA-0	Flange Adapter	2		54	02000AHA	Acc. Holder A	1	NSS
5	SBM1435F112	Socket Bolt	8		55	02000AHB	Acc. Holder B	1	NSS
6	ACBF20	Adapter Cap	2		56	02000AHKP	Acc. Holder Knock Pin	1	NSS
7	SBG045	O-ring	3	NSS	57	04000AD	Acc. Diaphragm	1	
8	SBG065	O-ring	2	NSS	58	SBM205012	Socket Bolt	12	
9	SABFF20	Screwed Adapter	2		59	SBM246012	Socket Bolt	4	
10	SBG235	O-ring	2	NSS	60	02000AHC	Acc. Holder C	1	NSS
11	04000P	Piston	1		61	02000AHBT	Acc. Holder Bolt	1	NSS
12	SBG195	O-ring	2	NSS	62	04000AC	Acc. Cover	1	
13	ST3G195	Back-up Ring	3	NSS	63	SBP005	O-ring	1	NSS
14	04000SR	Seal Retainer	1		64	02000ACV	Acc. Charging Valve	1	
15	SCG165	Gas Seal	1	NSS	65	02000ACVC	Acc. Charging Valve	1	
16	SCSI 65	Step Seal	2	NSS	66	SBP011	O-ring	1	NSS
17	SPBF04A	Socket Plug	4		67	02000AHP	Acc. Hex. Plug	1	
18	04000CY	Cylinder	1		68	SCB170	Buffer Seal	1	NSS
19	04000CP	Cover Plate	1		69	SCUP170	U-Packing	1	NSS
20	HCM202512	Heli Coil	8		70	SCD170	Dust Seal	1	NSS
21	04000KP	Knock Pin	2		71	04000FH	Front Head	1	
22	04000CB	Connecting Bush	2	NSS	72	ACVBF08-2	Air Check Valve	1	
23	SBP036	O-ring	5	NSS	73	04000SP	Stop Pin	3	
24	04000PB	Plug Bush	1	NSS	74	RP26	Rubber Plug	3	
25	SBP012	O-ring	1	NSS	75	GNBT04	Grease Nipple	1	
26	02000CYAN	Cylinder Adjuster Nut	1		76	04000RP	Rod Pin	2	
27	02000CYA	Cylinder Adjuster	1		77	04000FCP	Front Cover Pin	2	
28	ST3P012	Back-up Ring	1	NSS	78	RP36	Rubber Plug	2	
29	HCM243010	Heli Coil	4		79	SRH36	Snap Ring	2	
30	SBM206012	Socket Bolt	16		80	04000TBRN	Through Bolt Rd. Nut	4	NSS
31	04000VCA	Valve Cover	1	NSS	81	04000TB HN	Through Bolt Hex. Nut	4	NSS
32	SBG085	O-ring	1	NSS	82	04000TBW	Through Bolt Washer	4	NSS
33	ST3G070	Back-up Ring	1	NSS	83	04000TB	Through Bolt	4	NSS
34	SBG070	O-ring	2	NSS	84	04000RB	Ring Bush	1	
35	04000VS	Valve Sleeve	1	NSS	85A	04000FC	Front Cover	1	
36	04000V	Valve	1	NSS	85B	04000FCS	Front Cover(S)	1	
37	SBP014	O-ring	1	NSS	86A	04000T-M	Tbol-M Type	1	
38	SPBF06	Socket Plug	1		86B	04000T-V	Tbol-V Type	1	
39	SBG015	O-ring	1	NSS	86C	04000T-H	Tbol-H Type	1	
40	ST3G015	Back-up Ring	1	NSS	86D	04000T-C	Tool-C Type	1	
41	04000VA	Valve Adjuster	1		86E	04000T-B	Tbol-B Type	1	
42	04000VAN	Valve Adjuster Nut	1		101	04000S	Seal Kit	1	Assembly
43	04000VC B	Valve Cover	1	NSS	102	04000V-AY	Valve Assy	1	
44	SBG025	O-ring	2	NSS	103	04000A-AY	Acc. Assy	1	
45	04000VH	Valve Housing	1	NSS	104	04000TB-AY	Through Bolt Assy	1	
46	S4BG070	Back-up Ring	1	NSS	105	04000TLB-B	Tool Box-B	1	
47	SBG050	O-ring	1	NSS	106	04000BH-AY	Back Head Assy	1	
48	SBG055	O-ring	1	NSS	107	04000CY-AY	Cylinder Assy	1	
49	S4BG055	Back-up Ring	1	NSS	108	04000FH-AY	Front Head Assy	1	
50	02000AHN	Acc. Holder Nut	1	NSS	109	04000AB-AY	Acc. Body Assy	1	

EDDIE160T



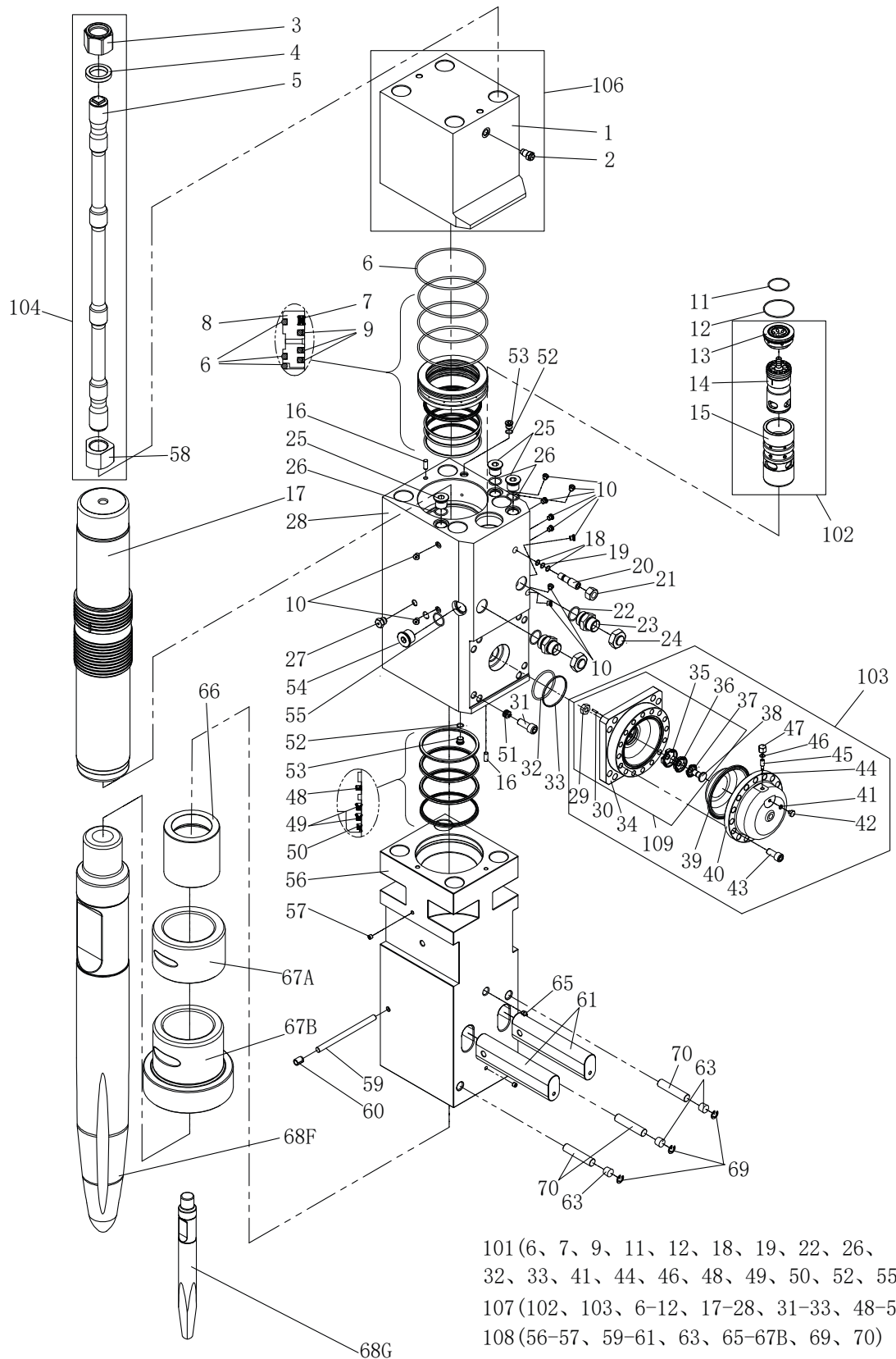
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	04000F-T	Frame	1	
2	04000SB-AY	Side Bolt-AY	8	2-1/2-2/2-3
3	HBM30130	Hex bolt	12	
4	W30	Washer	24	
5	HNM30	Hex.Nut	24	
6	04000MC-T	Mount Cap	1	
7	04000MP	Mount Pin	2	
8	04000MPR	Mount Pin Ring	2	
9	04000MPS	Mount Pin Stopper	2	
10	04000MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE160B



NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	04000F-B20	Frame	1		13	SBM2030	Socket Bolt	10	
2	04000CRD	Cross Damper	1		14	F20	Washer	10	
3	04000BLD	Below Damper	1		15	HBM30130	Hex bolt	12	
4	04000SDA	Side Damper A	3		16	W30	Washer	24	
5	04000SDB	Side Damper B	1		17	HN30	Hex.Nut	24	
6	04000SDC	Side Damper C	2		18	04000MC-B	Mount Cap	1	
7	04000SDD	Side Damper D	1		19	04000MP	Mount Pin	2	
8	04000SDE	Side Damper E	1		20	04000MPR	Mount Pin Ring	2	
9	04000TB-B	Tie Bush	1		21	04000MPS	Mount Pin Stopper	2	
10	04000SB-BAY	Side Bolt Assy	1	10-1/10-2/10-3	22	04000MPB	Mount Pin Bush	4	
11	04000CVM	Middle Cover Plate	1		23	HBWH-AY	Hex bolt With Hole Assy	2	
12	04000CVB	Behind Cover Plate	1		24	HOB1-1/4	Hose Bush	2	

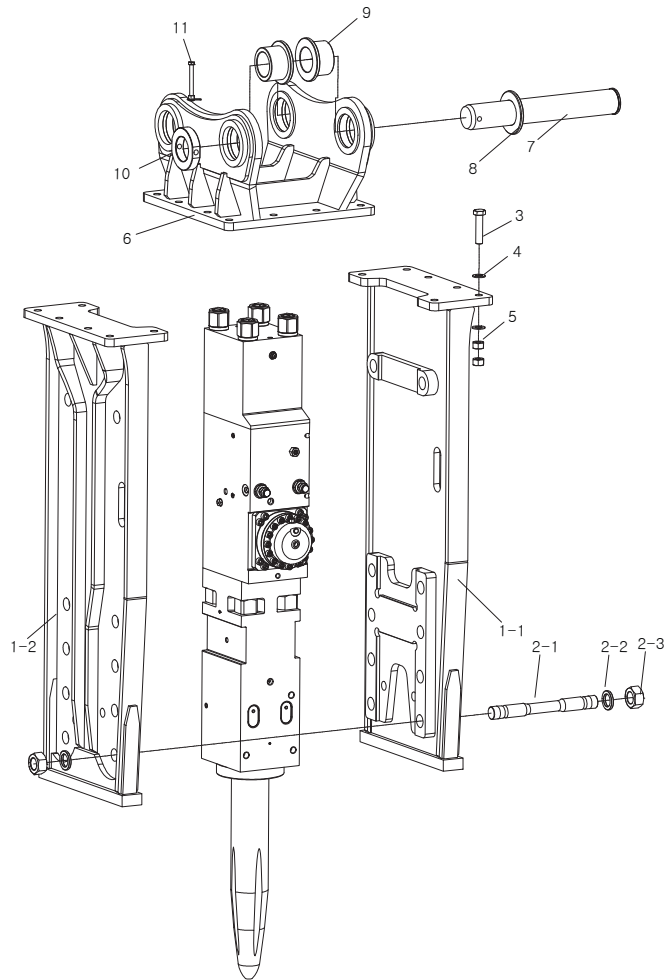
EDDIE165 MAIN BODY PARTS



EDDIE165 MAIN BODY PARTS LIST

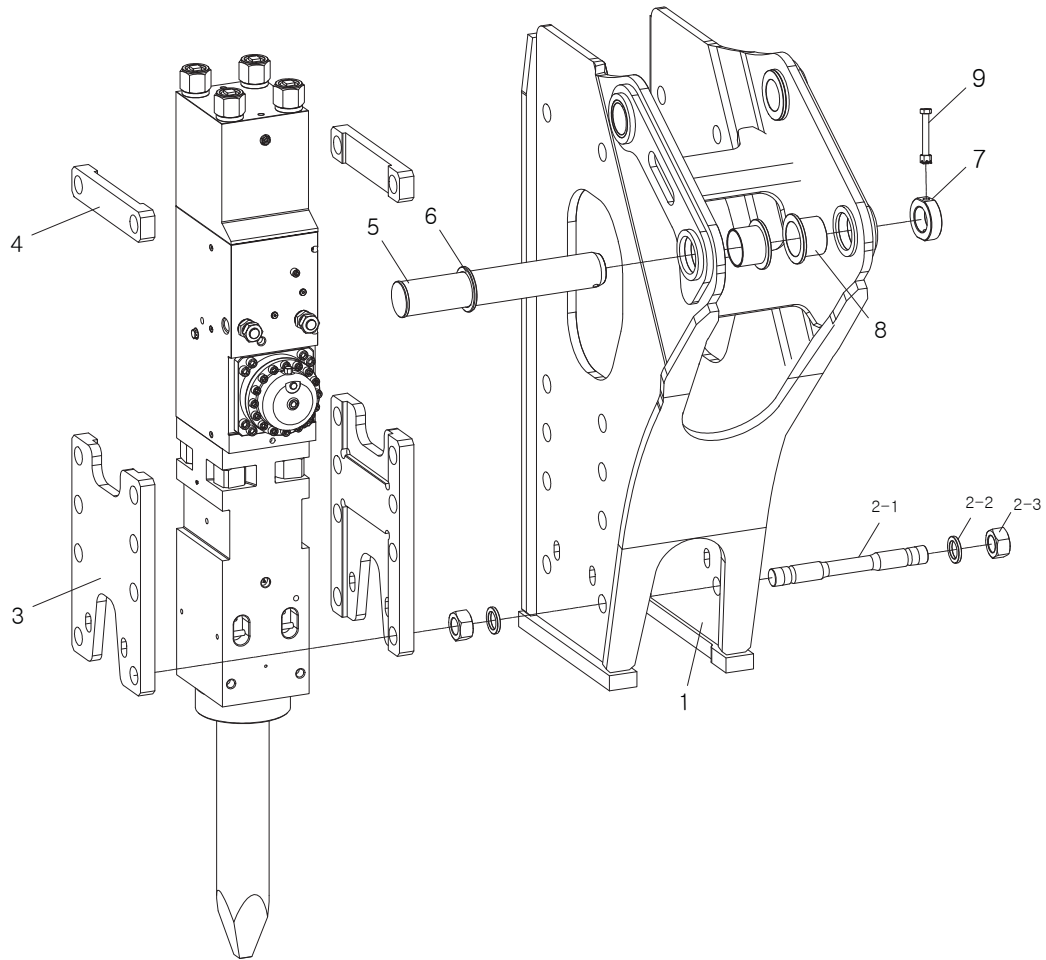
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	03500FBH	Back Head	1		41	SBP011	O-ring	1	NSS
2	BHCVBF08	B/H Charging Valve	1		42	02000AHP	Acc. Hex. Plug	1	
3	04500TBHN	Through Bolt Hex. Nut	4	NSS	43	SBM1840F212	Socket Bolt	16	
4	04500FTBW	Through Bolt Washer	4	NSS	44	SBP005	O-ring	1	NSS
5	03500FTB-X5	Through Bolt	4	NSS	45	02000ACV	Acc. Charging Valve	1	
6	SBG210	O-ring	4	NSS	46	SBP014	O-ring	1	NSS
7	SCG172	Gas Seal	1	NSS	47	02000ACVC	Acc. Charging Valve Cover	1	
8	03500FSR-A	Seal Retainer	1		48	SCB175-2	Buffer Seal	1	NSS
9	SCS172	Step Seal	3	NSS	49	SCUP175	U-Packing	2	NSS
10	SPBF04	Socket Plug	10		50	SCD175	Dust Seal	1	NSS
11	SBG065	O-ring	1	NSS	51	HCM202509	Heli Coil	8	
12	SBG095	O-ring	1	NSS	52	SBP018	O-ring	2	NSS
13	03500FVC	Valve Cap	1	NSS	53	SPBF08	Socket Plug	2	
14	03500FV	Valve	1	NSS	54	SPBF20	Socket Plug	1	
15	03500FVS	Valve Sleeve	1	NSS	55	SBP038	O-ring	1	NSS
16	00435KP	Knock Pin	2		56	03500FFH	Front Head	1	
17	03500FP	Piston	1		57	SPBT04	Socket Plug	1	
18	ST3P015	Back-up Ring	2	NSS	58	03500FTBRN	Through Bolt Rd. Nut	4	NSS
19	SBP015	O-ring	1	NSS	59	03500FSP	Stop Pin	1	
20	03500FVA	Valve Adjuster	1		60	SP1830	Spring Pin	1	
21	03500FVAN	Valve Adjuster Nut	1		61	03500FRP	Rod Pin	2	
22	SBP044	O-ring	2	NSS	63	RP26	Rubber Plug	3	
23	SABFF24-20	Screwed Adapter	2		65	GNBT04	Grease Nipple	1	
24	ACBF20	Adapter Cap	2		66	03500FRB-A	Ring Bush	1	
25	SPM36F1	Socket Plug	3		67A	03500FFCS	Front Cover(S)	1	
26	SBP032	O-ring	3	NSS	67B	03500FFC	Front Cover	1	
27	ACBF08-1	Air Check Valve	1		68F	03500FT-CS	Tool-CS Type	1	
28	03500FCY-A1	Cylinder	1		68G	03500FT-MF	Tool-MF Type	1	
29	02000AHN	Acc. Holder Nut	1	NSS	69	SRH26	Snap Ring	3	
30	02000AHKP	Acc. Holder Knock Pin	1	NSS	70	03200FCP	Front Cover Pin	3	
31	SBM205012	Socket Bolt	8		101	03500FS-SR-A	Seal Kit	1	Assembly
32	S4BP095	Back-up Ring	1	NSS	102	03500FV-AY	Valve Assy	1	
33	SBP095	O-ring	1	NSS	103	03200A-AY	Acc. Assy	1	
34	03200AB	Acc. Body	1	NSS	104	03500FTB-X5-AY	Through Bolt Assy	1	
35	02000AHA	Acc. Holder A	1	NSS	105	03500FTLB-ST	Toolbox-ST	1	
36	02000AHB	Acc. Holder B	1	NSS	106	03500FBH-AY	Back Head Assy	1	
37	02000AHC	Acc. Holder C	1	NSS	107	03500FCY-A1-AY	Cylinder Assy	1	
38	02000AHBT	Acc. Holder Bolt	1	NSS	108	03500FFH-AY	Front Head Assy	1	
39	03000AD	Acc. Diaphragm	1		109	03200AB-AY	Acc. Body Assy	1	
40	03200AC	Acc. Cover	1						

EDDIE165T



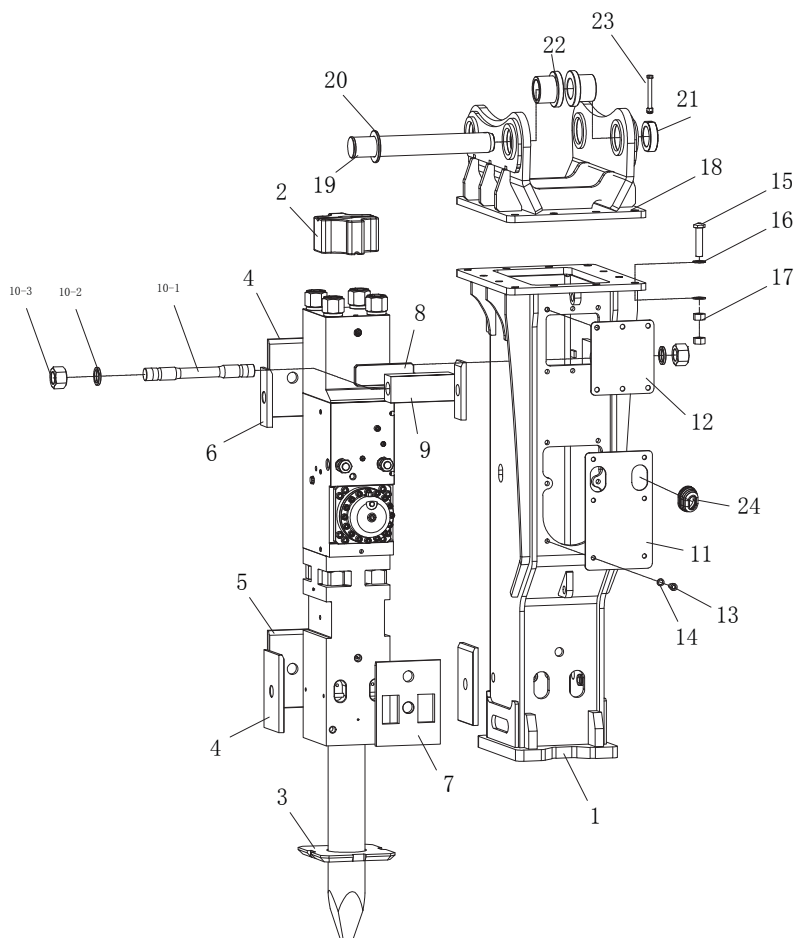
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E165F-T	Frame	1	
2	E165SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	HBM30130	Hex bolt	12	
4	W30	Washer	24	
5	HNM30	Hex.Nut	24	
6	E165MC-T	Mount Cap	1	
7	E165MP	Mount Pin	2	
8	E165MPR	Mount Pin Ring	2	
9	E165MPS	Mount Pin Stopper	2	
10	E165MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE165S



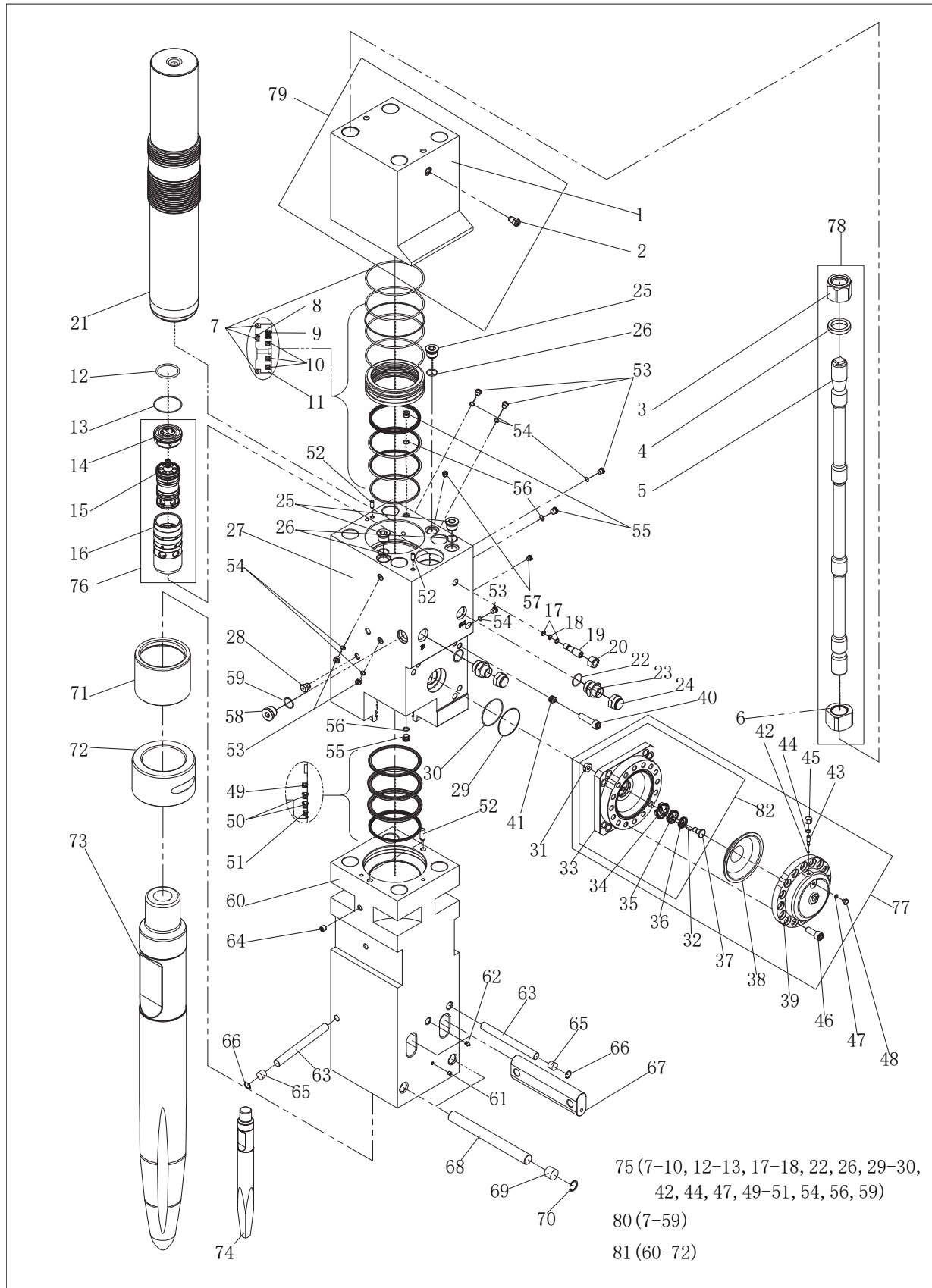
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E165F-S	Frame	1	
2	E165SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	E165CPL	Clamping Plate	2	
4	E165GP	Guide Plate	2	
5	E165MP	Mount Pin	2	
6	E165MPR	Mount Pin Ring	2	
7	E165MPS	Mount Pin Stopper	2	
8	E165MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE165B



NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E165F-B20	Frame	1		13	SBM2030	Socket Bolt	12	
2	E165CRD	Cross Damper	1		14	F20	Washer	12	
3	E165BLD	Below Damper	1		15	HBM30130	Hex. Bolt	12	
4	E165SDA	Side Damper A	3		16	W30	Washer	24	
5	E165SDB	Side Damper B	1		17	HN30	Hex. Nut	24	
6	E165SDC	Side Damper C	2		18	E165MC-B	Mount Cap	1	
7	E165SDD	Side Damper D	1		19	E165MP	Mount Pin	2	
8	E165SDE	Side Damper E	1		20	E165MPR	Mount Pin Ring	2	
9	E165TB-B	Tie Bush	1		21	E165MPS	Mount Pin Stopper	2	
10	E165SB-BAY	Side Bolt Assy	1	10-1/10-2/10-3	22	E165MPB	Mount Pin Bush	4	
11	E165CVM	Middle Cover Plate	1		23	HBWH-AY	Hex bolt With Hole Assy	2	
12	E165CVB	Behind Cover Plate	1		24	HOB1-1/4	Hose Bush	2	

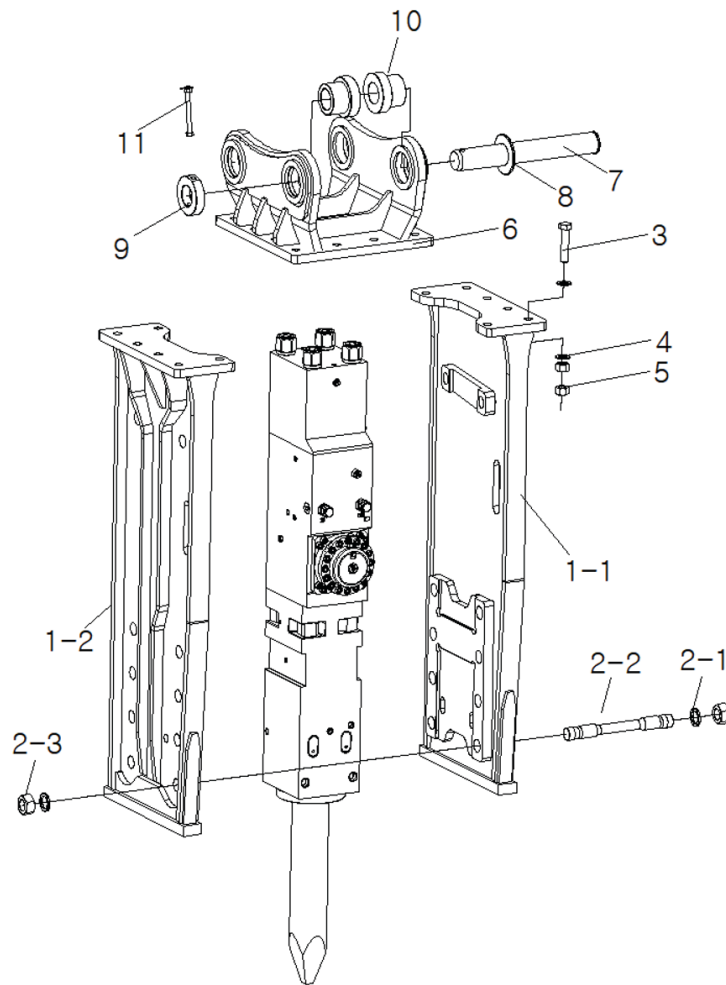
EDDIE175 MAIN BODY PARTS



EDDIE175 MAIN BODY PARTS LIST

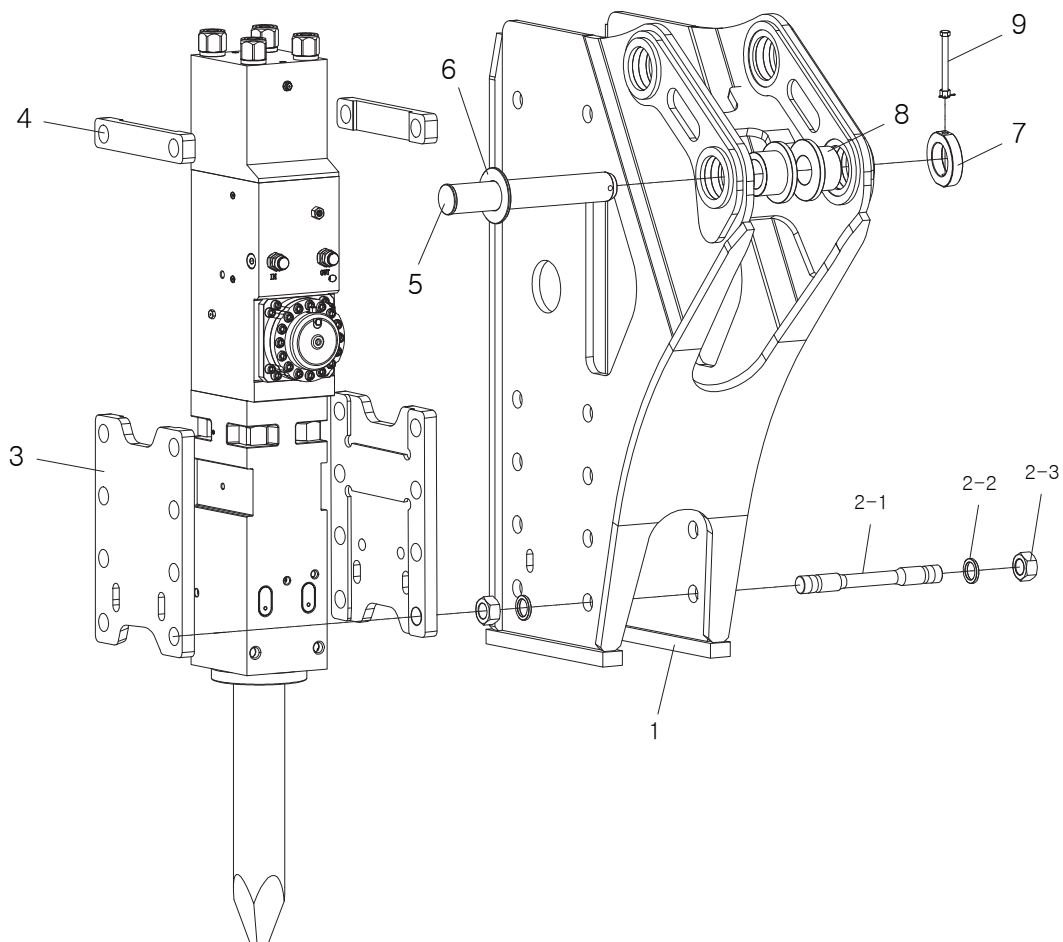
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	04500PBH	Back Head	1		44	SBP014	O-ring	1	NSS
2	BHCVBF08	B/H Charging Valve	1		45	02000ACVC	Acc. Charging Valve Cover	1	
3	04500TBHN	Through Bolt Hex. Nut	4	NSS	46	SBM205012	Socket Bolt	16	
4	04500TBW	Through Bolt Washer	4	NSS	47	SBP011	O-ring	1	NSS
5	04500TB-X5	Through Bolt	4	NSS	48	02000AHP	Acc. Hex. Plug	1	
6	04500TBRN	Through Bolt Rd. Nut	4	NSS	49	SCB180-2	Buffer Seal	1	NSS
7	SBG210	O-ring	3	NSS	50	SCUP180	U-Packing	2	NSS
8	SORI210-2	O-ring	2	NSS	51	SCD180	Dust Seal	1	NSS
9	SCG177	Gas Seal	1	NSS	52	06000FKP	Knock Pin	4	
10	SCS177	Step Seal	3	NSS	53	SPBF06	Socket Plug	6	
11	04500SR-B1	Seal Retainer	1		54	SBP014	O-ring	6	NSS
12	SBG080	O-ring	1	NSS	55	SPBF08	Socket Plug	3	
13	SBG100	O-ring	1	NSS	56	SBP018	O-ring	3	NSS
14	04500VC-A	Valve Cap	1	NSS	57	SPBF04	Socket Plug	2	
15	04500V-A	Valve	1	NSS	58	SPBF20	Socket Plug	1	
16	04500VS-A1	Valve Sleeve	1	NSS	59	SBP038	O-ring	1	NSS
17	ST3P015	Back-up Ring	2	NSS	60	04500PFH	Front Head	1	
18	SBP015	O-ring	1	NSS	61	SPBT04	Socket Plug	1	
19	03500FVA	Valve Adjuster	1		62	GNBT04	Grease Nipple	1	
20	03500FVAN	Valve Adjuster Nut	1		63	04500SP	Stop Pin	2	
21	04500S'P	Piston	1		64	SPBT08	Socket Plug	1	
22	SBP044	O-ring	2	NSS	65	RP26	Rubber Plug	2	
23	SABFF24-20	Screwed Adapter	2		66	SRH26	Snap Ring	2	
24	ACBF20	Adapter Cap	2		67	04500RP	Rod Pin	2	
25	SPM39F1A	Socket Plug	3		68	04500PFCP	Front Cover Pin	2	
26	SBP035	O-ring	3	NSS	69	RP30	Rubber Plug	2	
27	04500SCY	Cylinder	1		70	SRH30	Snap Ring	2	
28	ACVBF08-1	Air Check Valve	1		71	04500PRB	Ring Bush	1	
29	S4BG105	Back-up Ring	1	NSS	72	04500PFC	Front Cover	1	
30	SBG105	O-ring	1	NSS	73A	04500T-CS	Tool-CS Type	1	
31	02000AHN	Acc. Holder Nut	1	NSS	73B	04500T-MF	Tool-MF Type	1	
32	02000AHP	Acc. Holder Knock Pin	1	NSS	101	04500S-SR-B1	Seal Kit	1	
33	04500AB	Acc. Body	1	NSS	102	04500V-A-AY	Valve Assy	1	
34	02000AHA	Acc. Holder A	1	NSS	103	04500A-AY	Acc. Assy	1	
35	02000AHB	Acc. Holder B	1	NSS	104	04500TB-X5-AY	Through Bolt Assy	4	
36	02000AHC	Acc. Holder C	1	NSS	105A	04500TLB-ST	Toolbox-Side/Top	1	
37	02000AHBT	Acc. Holder Bolt	1	NSS	105C	04500TLB-B	Toolbox-Box	1	
38	04500AD	Acc. Diaphragm	1		106	04500PBH-AY	Back Head Assy	1	
39	04500AC	Acc. Cover	1		107	04500SCY-AY	Cylinder Assy	1	
40	SBM206012	Socket Bolt	8		108	04500PFH-AY	Front Head Assy	1	
41	HCM202509	Heli Coil	8		109	04500AB-AY	Acc. Body Assy	1	
42	SBP005	O-ring	1	NSS					
43	02000ACV	Acc. Charging Valve	1						

EDDIE175T



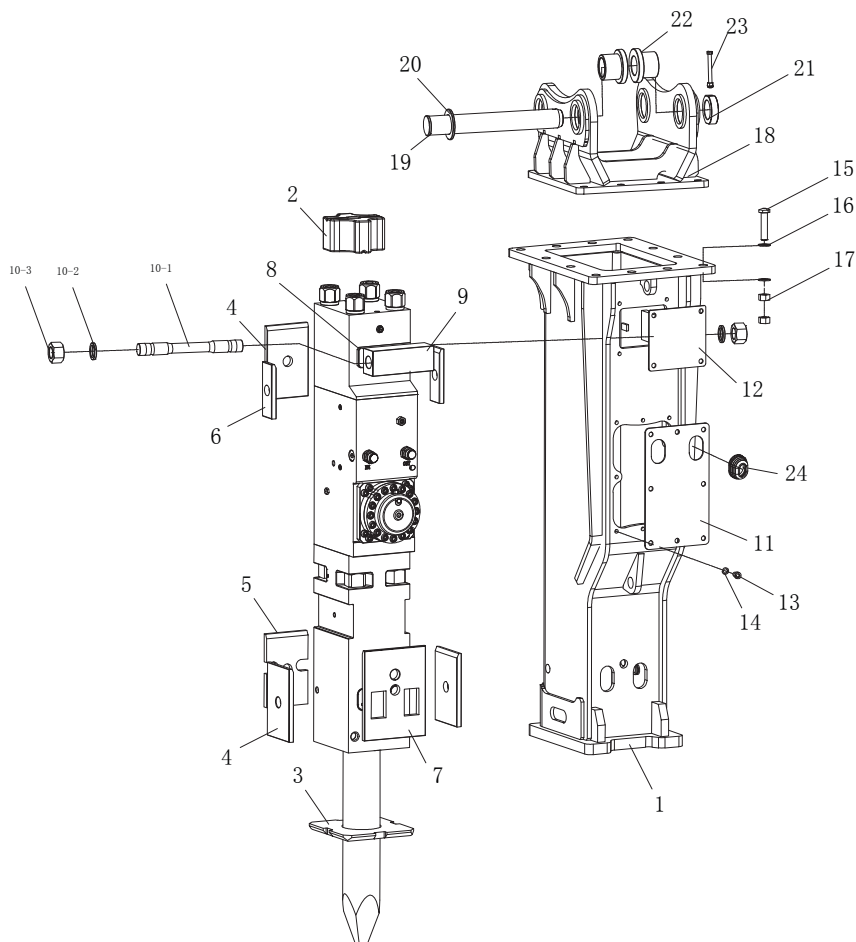
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E175F-T	Frame	1	
2	E175SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	HBM36160	Hex bolt	12	
4	W36	Washer	24	
5	HNM36	Hex.Nut	24	
6	E175MC-T	Mount Cap	1	
7	E175MP	Mount Pin	2	
8	E175MPR	Mount Pin Ring	2	
9	E175MPS	Mount Pin Stopper	2	
10	E175MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE175S



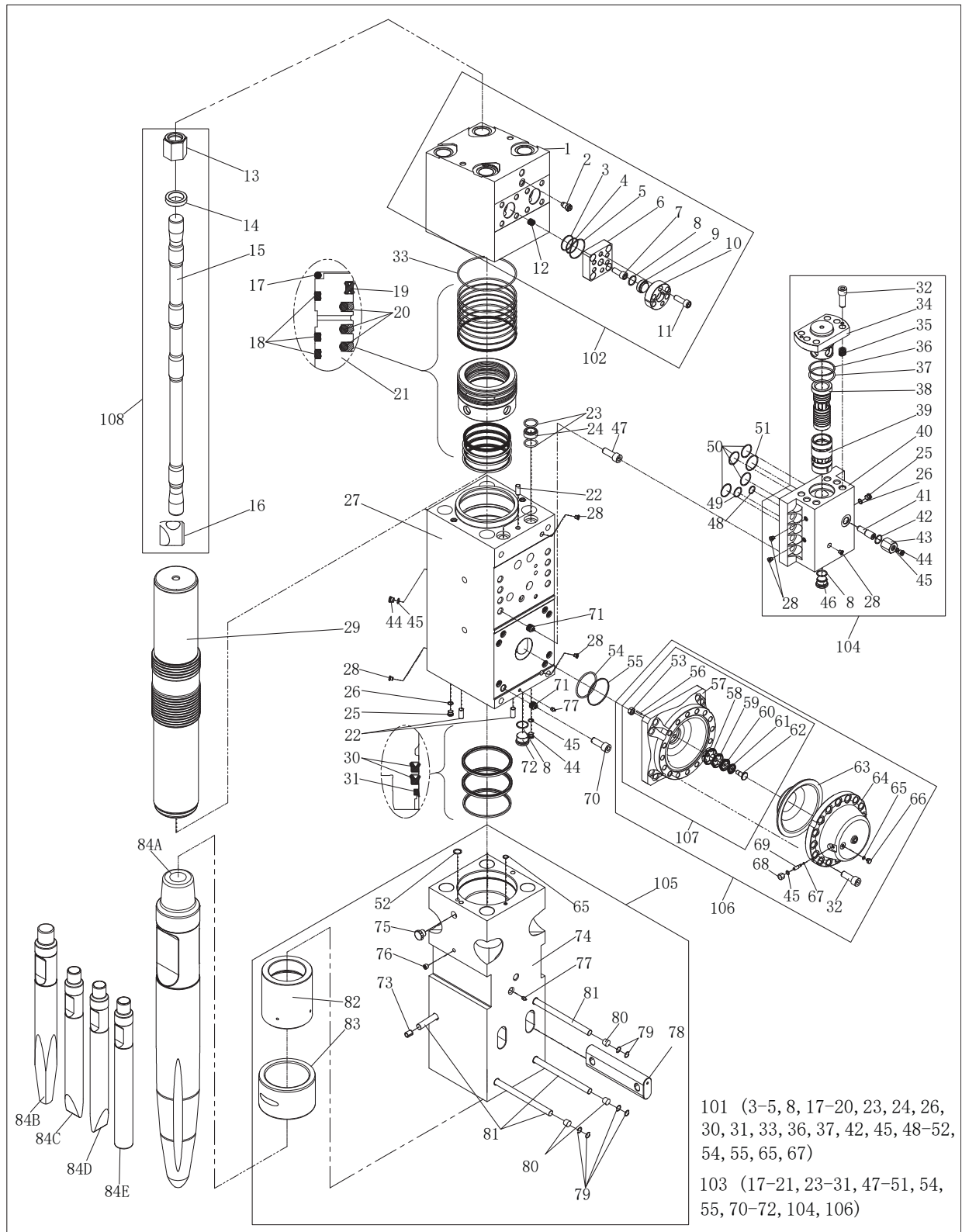
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E175F-S	Frame	1	
2	E175SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	E175CPL	Clamping Plate	2	
4	E175GP	Guide Plate	2	
5	E175MP	Mount Pin	2	
6	E175MPR	Mount Pin Ring	2	
7	E175MPS	Mount Pin Stopper	2	
8	E175MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE175B



NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E175F-B20	Frame	1		13	SBM2030	Socket Bolt	12	
2	E175CRD	Cross Damper	1		14	F20	Washer	12	
3	E175BLD	Below Damper	1		15	HBM36160	Hex. Bolt	12	
4	E175SDA	Side Damper A	3		16	W36	Washer	24	
5	E175SDB	Side Damper B	1		17	HNM36	Hex. Nut	24	
6	E175SDC	Side Damper C	2		18	E175MC-B	Mount Cap	1	
7	E175SDD	Side Damper D	1		19	E175MP	Mount Pin	2	
8	E175SDE	Side Damper E	1		20	E175MPR	Mount Pin Ring	2	
9	E175TB-B	Tie Bush	1		21	E175MPS	Mount Pin Stopper	2	
10	E175SB-BAY	Side Bolt Assy	1	10-1/10-2/10-3	22	E175MPB	Mount Pin Bush	4	
11	E175CVM	Middle Cover Plate	1		23	HBWH-AY	Hex bolt With Hole Assy	2	
12	E175CVB	Behind Cover Plate	1		24	HOB1-1/4	Hose Bush	2	

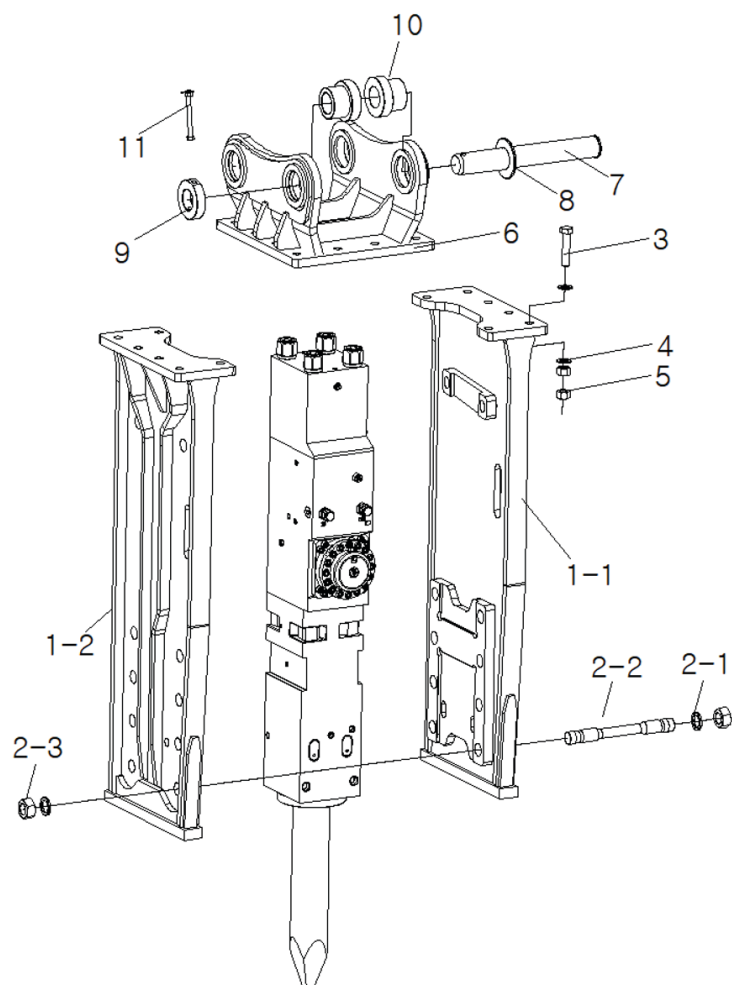
EDDIE180 MAIN BODY PARTS



EDDIE180 MAIN BODY PARTS LIST

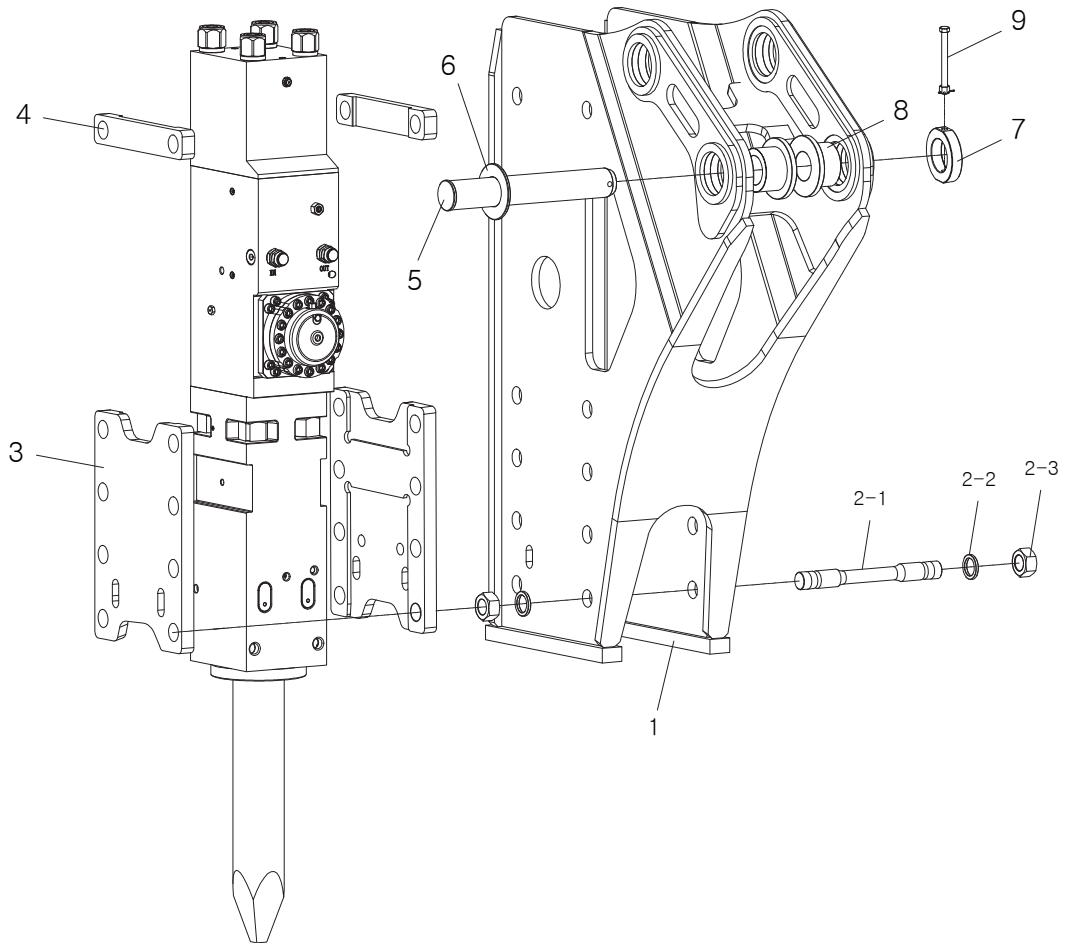
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E180BH	Back Head	1		50	SBG050	O-ring	4	NSS
2	BHCVBF08	B/H Charging Valve	1		51	SBG065	Packing	1	NSS
3	SBG065	O-ring	2	NSS	52	SBG025	O-ring	1	NSS
4	ST3G065	Back-up Ring	2	NSS	53	E185AHN	Acc. Holder Nut	1	NSS
5	SBG085	O-ring	2	NSS	54	S4BP110	Back-up Ring	1	NSS
6	E185FA-D1	Flange Adapter	2		55	SBP110	O-ring	1	NSS
7	SBM205012	Socket Bolt	8		56	E185AHKP	Acc. Holder Knock Pin	1	NSS
8	SBP038	O-ring	4	NSS	57	04500PAB	Acc. Body	1	NSS
9	FP4FS20D	Flange Plug	2		58	E185AHD	Acc. Holder D	1	NSS
10	SFCFS20D1-AY	Split Flange Clamp Assy	2		59	E185AHC	Acc. Holder C	1	NSS
11	SBM206012	Socket Bolt	12		60	E185AHB	Acc. Holder B	1	NSS
12	HCM202509	Heli Coil	8		61	E185AHA	Acc. Holder A	1	NSS
13	04500TBHN	Through Bolt Hex. Nut	4	NSS	62	E185AHBT	Acc. Holder Bolt	1	NSS
14	04500TBW	Through Bolt Washer	4	NSS	63	04500PAD	Acc. Diaphragm	1	
15	E180TB	Through Bolt	4	NSS	64	04500PAC	Acc. Cover	1	
16	04500TBRN-A1	Through Bolt Rd. Nut	4	NSS	65	SBP011	O-ring	2	NSS
17	SBG260	O-ring	1	NSS	66	02000AHP	Acc. Hex. Plug	1	
18	SORI220	O-ring	3	NSS	67	SBP005	O-ring	1	NSS
19	SCG175	Gas Seal	1	NSS	68	02000ACVC	Acc. Charging Valve Cover	1	
20	SCS175-2	Step Seal	3	NSS	69	02000ACV	Acc. Charging Valve	1	
21	E180SR	Seal Retainer	1		70	SBM247012	Socket Bolt	8	
22	E185KP	Knock Pin	3		71	HCM243012	Heli Coil	8	
23	SBP041	O-ring	4	NSS	72	SPBF20	Socket Plug	1	
24	E180CB	Connecting Bush	2	NSS	73	SP2635	Spring Pin	1	
25	SPBF08	Socket Plug	2		74	E180FH	Front Head	1	
26	SBP018	O-ring	2	NSS	75	ACVBF14-1	Air Check Valve	1	
27	E180CY	Cylinder	1		76	SPBT08	Socket Plug	1	
28	SPBF04	Socket Plug	4		77	GNBT04	Grease Nipple	2	
29	E180P	Piston	1		78	E180RP	Rod Pin	2	
30	SCUP180-2	U-Packing	2	NSS	79	SRH26	Snap Ring	6	
31	SCD180	Dust Seal	1	NSS	80	RP26	Rubber Plug	3	
32	SBM246012	Socket Bolt	22		81	04500SP	Stop Pin	4	
33	SBG220	O-ring	1	NSS	82	E180RB	Ring Bush	1	
34	04500FVC-A	Valve Cover	1	NSS	83	E180FC	Front Cover (S)	1	
35	HCM243008	Heli Coil	6		84A	E180T-CS	Tool-CS Type	1	
36	ST3P090	Back-up Ring	1	NSS	84B	E180T-MF	Tool-MF Type	1	
37	SBP090	O-ring	1	NSS	84C	E180T-V	Tool-V Type	1	
38	E180V	Valve	1	NSS	84D	E180T-H	Tool-H Type	1	
39	E180VS	Valve Sleeve	1	NSS	84E	E180T-B	Tool-B Type	1	
40	E180VH	Valve Housing	1	NSS	101	E180S	Seal Kit	1	
41	E185VA	Valve Adjuster	1		102	E180BH-AY	Back Head Assy	1	
42	SBG035	O-ring	1	NSS	103	E180CY-AY	Cylinder Assy	1	
43	E185VAHN	Valve Adjuster Hex. Nut	1		104	E180V-AY	Valve Assy	1	
44	SPBF06	Socket Plug	3		105	E180FH-AY	Front Head Assy	1	
45	SBP014	O-ring	4	NSS	106	04500PA-AY	Acc. Assy	1	
46	HPBF20	Hex. Plug	1		107	04500PAB-AY	Acc. Body Assy	1	
47	SBM308012	Socket Bolt	8		108	E180TB-AY	Through Bolt Assy	4	
48	SBG030	O-ring	1	NSS	109	E180TLB-ST	Tool Box	1	
49	SBG040	O-ring	1	NSS					

EDDIE180T



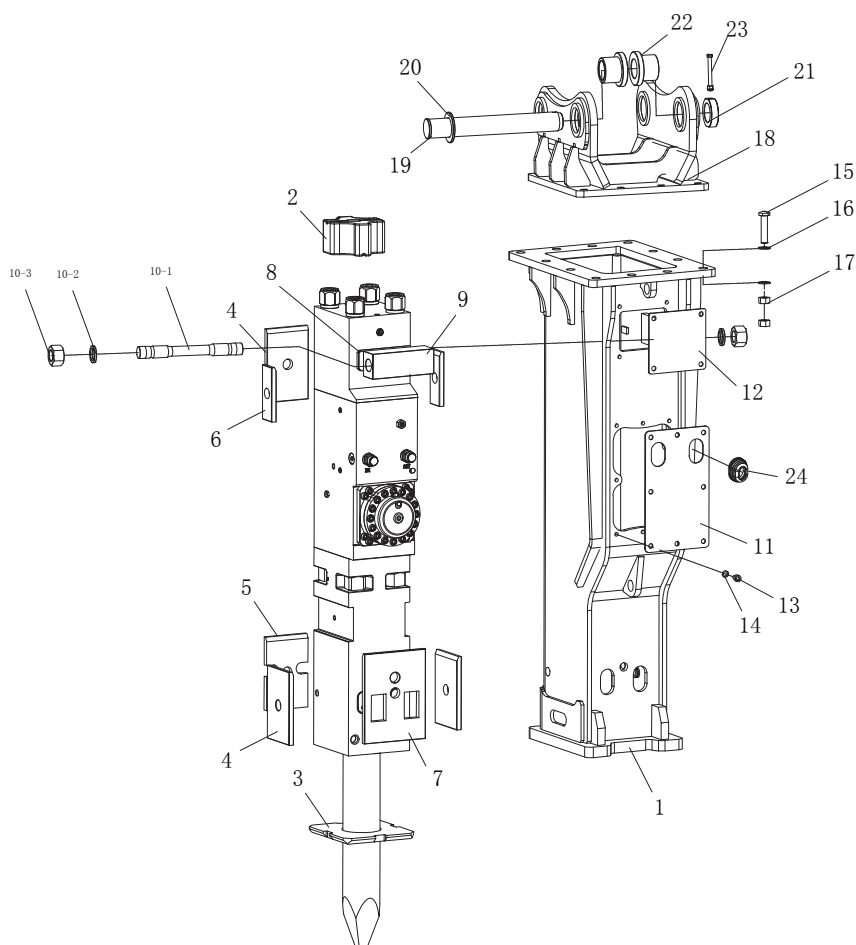
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E180F-T	Frame	1	
2	E180SB-TAY	Side Bolt-AY	10	2-1/2-2/2-3
3	HBM36160	Hex bolt	12	
4	W36	Washer	24	
5	HNM36	Hex.Nut	24	
6	E180MC-T	Mount Cap	1	
7	E180MP	Mount Pin	2	
8	E180MPR	Mount Pin Ring	2	
9	E180MPS	Mount Pin Stopper	2	
10	E180MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE180S



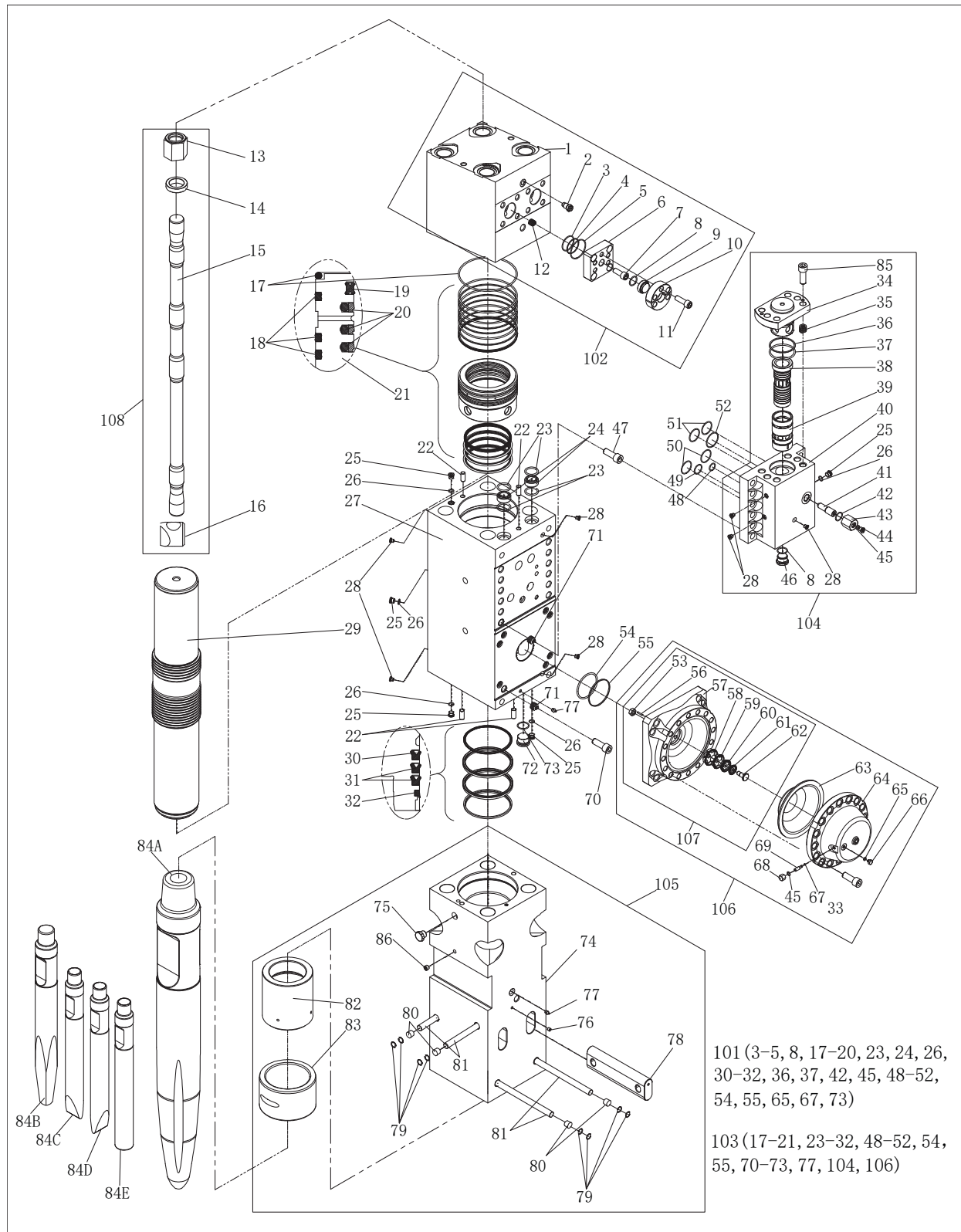
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E180F-S	Frame	1	
2	E180SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	E180CPL	Clamping Plate	2	
4	E180GP	Guide Plate	2	
5	E180MP	Mount Pin	2	
6	E180MPR	Mount Pin Ring	2	
7	E180MPS	Mount Pin Stopper	2	
8	E180MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE180B



NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E180F-B20	Frame	1		13	SBM2030	Socket Bolt	12	
2	E180CRD	Cross Damper	1		14	F20	Washer	12	
3	E180BLD	Below Damper	1		15	HBM36160	Hex. Bolt	12	
4	E180SDA	Side Damper A	3		16	W36	Washer	24	
5	E180SDB	Side Damper B	1		17	HNH36	Hex. Nut	24	
6	E180SDC	Side Damper C	2		18	E180MC-B	Mount Cap	1	
7	E180SDD	Side Damper D	1		19	E180MP	Mount Pin	2	
8	E180SDE	Side Damper E	1		20	E180MPR	Mount Pin Ring	2	
9	E180TB-B	Tie Bush	1		21	E180MPS	Mount Pin Stopper	2	
10	E180SB-BAY	Side Bolt Assy	1	10-1/10-2/10-3	22	E180MPB	Mount Pin Bush	4	
11	E180CVM	Middle Cover Plate	1		23	HBWH-AY	Hex bolt With Hole Assy	2	
12	E180CVB	Behind Cover Plate	1		24	HOBH1-1/4	Hose Bush	2	

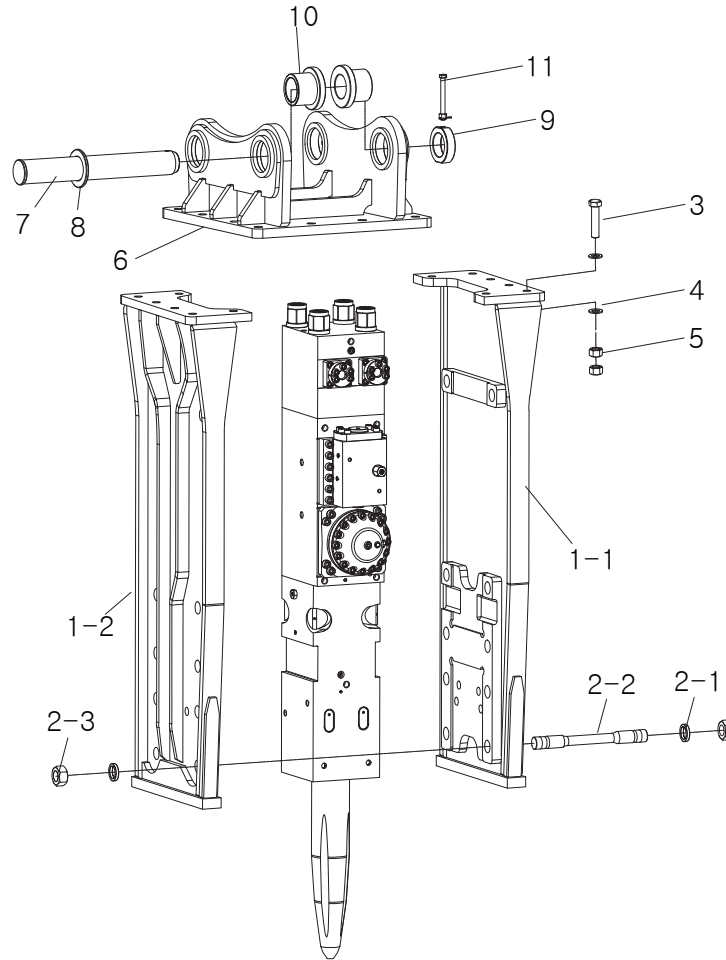
EDDIE185—T/S MAIN BODY PARTS



EDDIE185—T/S MAIN BODY PARTS LIST

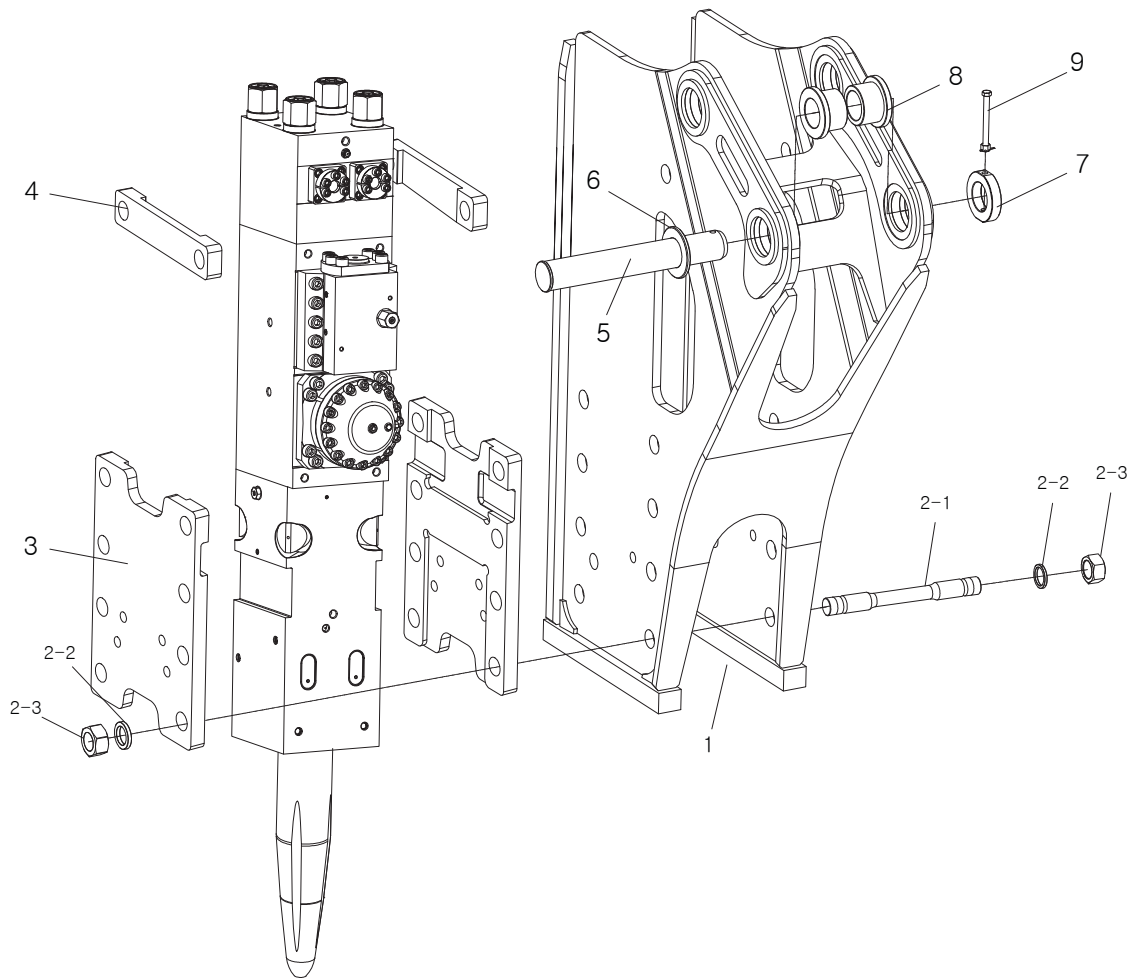
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E185BH-A1	Back Head	1		51	SPPIY52	Packing	2	NSS
2	BHCVBFO8	B/H Charging Valve	1		52	SBG065	O-ring	1	NSS
3	SBG065	O-ring	2	NSS	53	E185AHN	Acc. Holder Nut	1	NSS
4	ST3G065	Back-up Ring	2	NSS	54	S4BP110	Back-up Ring	1	NSS
5	SBG085	O-ring	2	NSS	55	SBP110	O-ring	1	NSS
6	E185FA-D	Flange Adapter	2		56	E185AHKP	Acc. Holder Knock Pin	1	NSS
7	SBM205012	Socket Bolt	8		57	08000AB-3	Acc. Body	1	NSS
8	SBP038	O-ring	3	NSS	58	E185AHD	Acc. Holder D	1	NSS
9	FP4FS20D	Flange Plug	2		59	E185AHC	Acc. Holder C	1	NSS
10	SFCFS20D-AY	Split Flange Clamp Assy	2		60	E185AHB	Acc. Holder B	1	NSS
11	SBM206012	Socket Bolt	10		61	E185AHA	Acc. Holder A	1	NSS
12	HCM202509	Heli Coil	8		62	E185AHBT	Acc. Holder Bolt	1	NSS
13	E185TBHN-A1	Through Bolt Hex. Nut	4	NSS	63	08000AD	Acc. Diaphragm	1	
14	E185TBW-N	Through Bolt Washer	4	NSS	64	08000AC	Acc. Cover	1	
15	E185TB-N1	Through Bolt	4	NSS	65	SBP011	O-ring	1	NSS
16	E185TBHN-D2	Through Bolt Rd. Nut	4	NSS	66	02000AHP	Acc. Hex. Plug	1	
17	SBG240	O-ring	2	NSS	67	SBP005	O-ring	1	NSS
18	SORI240	O-ring	3	NSS	68	02000ACVC	Acc. Charging Valve Cover	1	
19	SCG185	Gas Seal	1	NSS	69	02000ACV	Acc. Charging Valve	1	
20	SCST185	Step Seal	3	NSS	70	SBM248012	Socket Bolt	8	
21	E185SR-X8	Seal Retainer	1		71	HCM243012	Heli Coil	20	
22	E185KP	Knock Pin	4		72	SPBF24A	Socket Plug	1	
23	SBP048A	O-ring	4	NSS	73	SBP044	O-ring	1	NSS
24	E185CB	Connecting Bush	2		74	E185FH-D5	Front Head	1	
25	SPBF08	Socket Plug	4		75	ACVBF14-1	Air Check Valve	1	
26	SBP018	O-ring	4	NSS	76	SPBT04	Socket Plug	1	
27	E185CY-X4	Cylinder	1		77	GNBT04	Grease Nipple	2	
28	SPBF04	Socket Plug	6		78	E185RP	Rod Pin	2	
29	E185P-X9	Piston	1		79	SRH26	Snap Ring	8	
30	SCUP190	U-Packing	1	NSS	80	RP26	Rubber Plug	4	
31	SCUP190	U-Packing	2	NSS	81	09500ASP	Stop Pin	4	
32	SCD190	Dust Seal	1	NSS	82	E185RB-E1	Ring Bush	1	
33	SBM247012	Socket Bolt	16		83	E185SFC-X4-2	Front Cover(S)	1	
34	08000VC-A	Valve Cover	1	NSS	84A	E185T-D3-CS	Tool-CS Type	1	
35	HCM243008	Heli Coil	6		84B	E185T-D3--MF	Tool-MF Type	1	
36	ST3P095	Back-up Ring	1	NSS	84C	E185T-D3--V	Tool-V Type	1	
37	SBP095	O-ring	1	NSS	84D	E185T-D3--H	Tool-H Type	1	
38	08000VS-DT	Valve Sleeve	1	NSS	84E	E185T-D3--B	Tool-B Type	1	
39	08000V-CT	Valve	1	NSS	85	SBM247012A	Socket Bolt	6	
40	08000VH-A1T	Valve Housing	1	NSS	86	SPBT08	Socket Plug	1	
41	E185VA	Valve Adjuster	1		101	E185S-X8	Seal Kit	1	
42	SBG035	O-ring	1	NSS	102	E185BH-A1-AY	Back Head Assy	1	
43	E185VAHN	Valve Adjuster Hex. Nut	1		103	E185CY-X4-AY	Cylinder Assy	1	
44	SPBF06	Socket Plug	1		104	08000V-A1T-AY	Valve Assy	1	
45	SBP014	O-ring	2	NSS	105	E185FH-D5-AY	Front Head Assy	1	
46	HPBF20	Hex. Plug	1		106	08000A-AY	Acc. Assy	1	
47	SBM249012	Socket Bolt	12		107	08000AB-AY	Acc. Body Assy	1	
48	SBG030	O-ring	1	NSS	108	E185TB-N1-AY	Through Bolt Assy	4	
49	SBG040	O-ring	1	NSS	109	E185TLB-ST	Tool Box	1	
50	SBG055	O-ring	2	NSS					

EDDIE185T



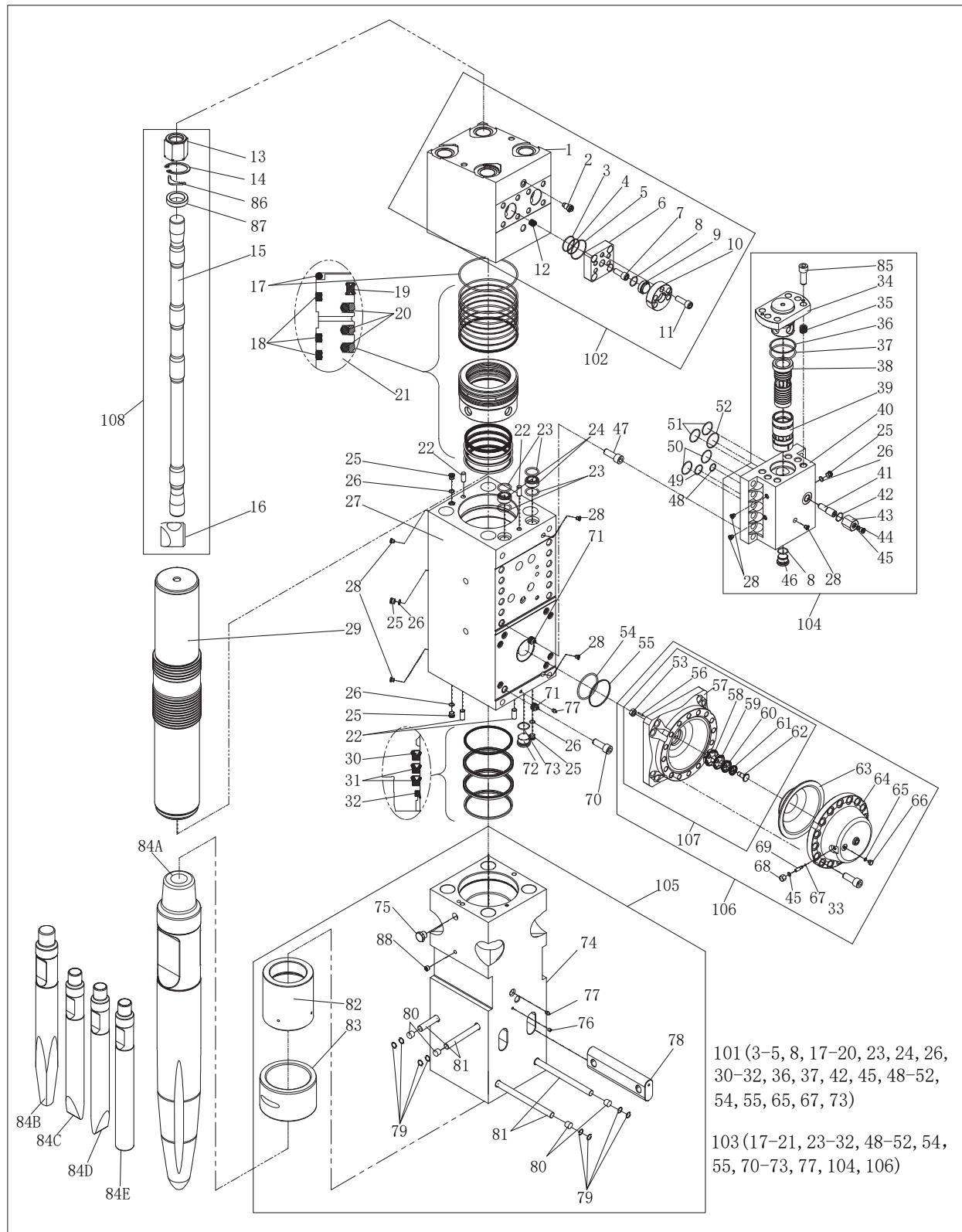
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E185F-T	Frame	1	
2	E185SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	HBM36160	Hex bolt	12	
4	W36	Washer	24	
5	HNM36	Hex.Nut	24	
6	E185MC-T	Mount Cap	1	
7	E185MP	Mount Pin	2	
8	E185MPR	Mount Pin Ring	2	
9	E185MPS	Mount Pin Stopper	2	
10	E185MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE185S



NO.	PART NO.	PART NAME	QTY	REMARKS
1	E185F-S	Frame	1	
2	E185SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	E185CPL	Clamping Plate	2	
4	E185GP	Guide Plate	2	
5	E185MP	Mount Pin	2	
6	E185MPR	Mount Pin Ring	2	
7	E185MPS	Mount Pin Stopper	2	
8	E185MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

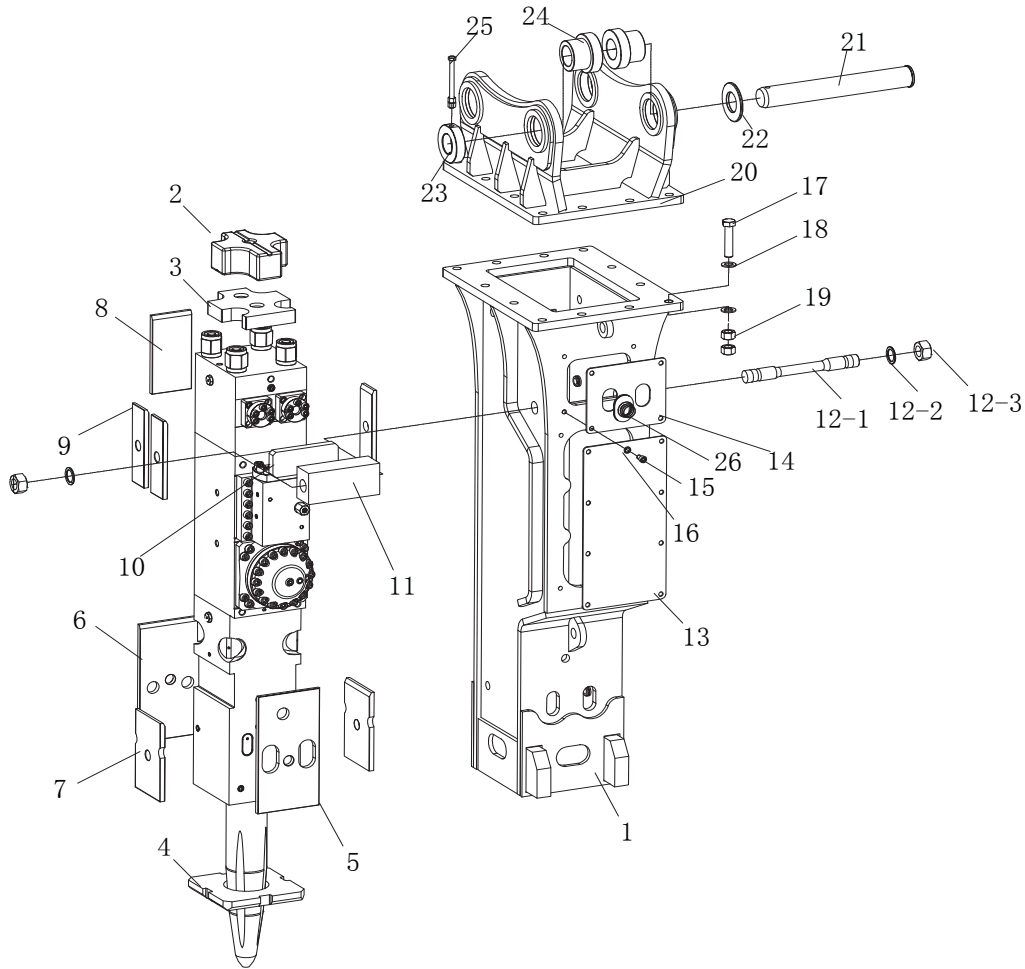
EDDIE185—B MAIN BODY PARTS



EDDIE185—B MAIN BODY PARTS LIST

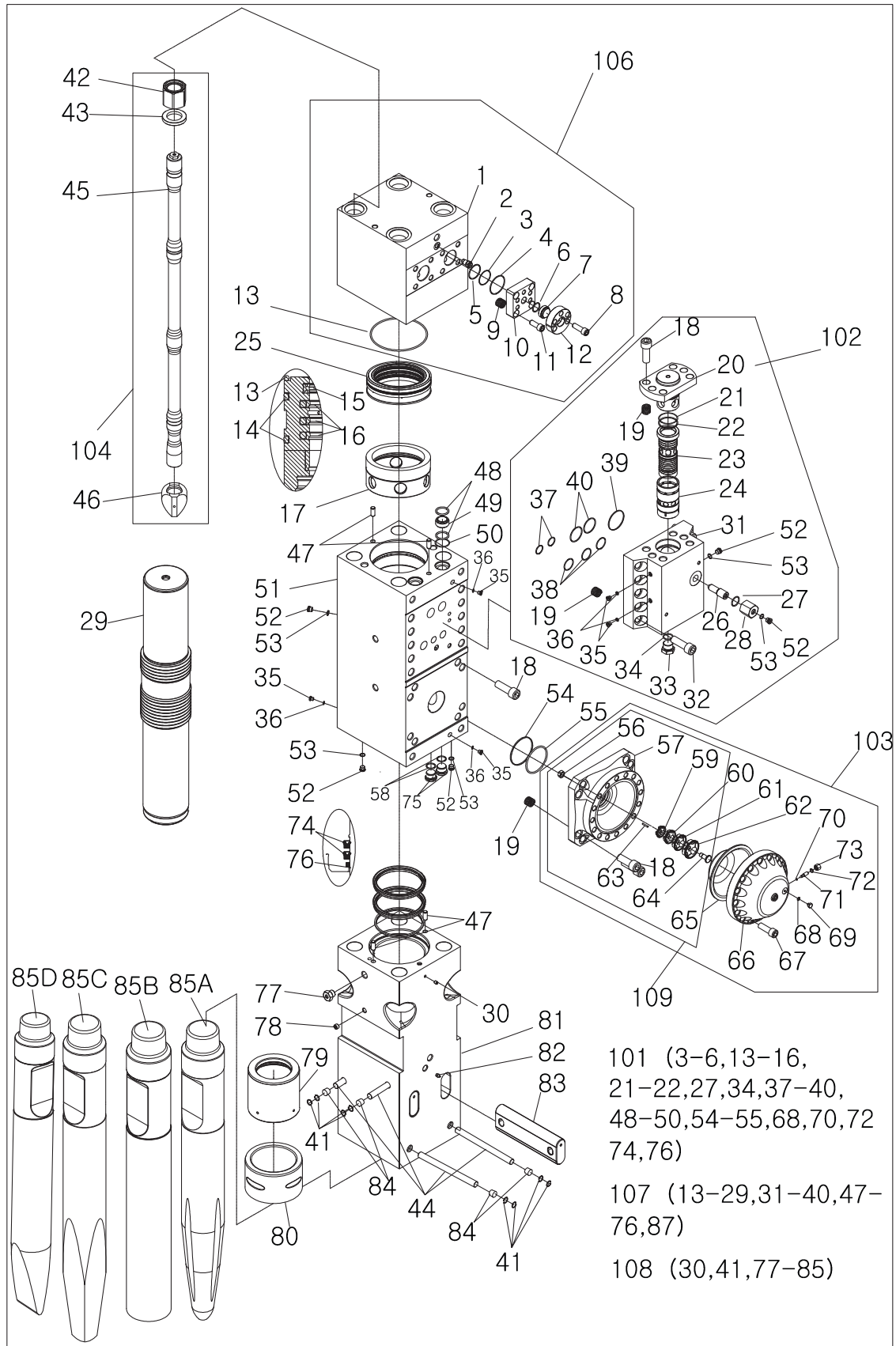
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E185BH-G2	Back Head	1		52	SBG065	O-ring	1	NSS
2	BHCVBFO8	B/H Charging Valve	1		53	E185AHN	Acc. Holder Nut	1	NSS
3	SBG065	O-ring	2	NSS	54	S4BP110	Back-up Ring	1	NSS
4	ST3G065	Back-up Ring	2	NSS	55	SBP110	O-ring	1	NSS
5	SBG085	O-ring	2	NSS	56	E185AHKP	Acc. Holder Knock Pin	1	NSS
6	E185FA-D1	Flange Adapter	2		57	08000AB-3	Acc. Body	1	NSS
7	SBM205012	Socket Bolt	8		58	E185AHD	Acc. Holder D	1	NSS
8	SBP038	O-ring	3	NSS	59	E185AHC	Acc. Holder C	1	NSS
9	FP4FS20D	Flange Plug	2		60	E185AHB	Acc. Holder B	1	NSS
10	SFCFS20D1-AY	Split Flange Clamp Assy	2		61	E185AHA	Acc. Holder A	1	NSS
11	SBM206012	Socket Bolt	10		62	E185AHBT	Acc. Holder Bolt	1	NSS
12	HCM202509	Heli Coil	8		63	08000AD	Acc. Diaphragm	1	
13	E185TBHN-G2	Through Bolt Hex. Nut	4	NSS	64	08000AC	Acc. Cover	1	
14	SRS102	Snap Ring- Shaft	4	NSS	65	SBP011	O-ring	1	NSS
15	E185TB-N1	Through Bolt	4	NSS	66	02000AHP	Acc. Hex. Plug	1	
16	E185TBHN-D2	Through Bolt Rd. Nut	4	NSS	67	SBP005	O-ring	1	NSS
17	SBG240	O-ring	2	NSS	68	02000ACVC	Acc. Charging Valve Cover	1	
18	SORI240	O-ring	3	NSS	69	02000ACV	Acc. Charging Valve	1	
19	SCG185	Gas Seal	1	NSS	70	SBM248012	Socket Bolt	8	
20	SCST185	Step Seal	3	NSS	71	HCM243012	Heli Coil	20	
21	E185SR-X8	Seal Retainer	1		72	SPBF24A	Socket Plug	1	
22	E185KP	Knock Pin	4		73	SBP044	O-ring	1	NSS
23	SBP048A	O-ring	4	NSS	74	E185FH-D5	Front Head	1	
24	E185CB	Connecting Bush	2		75	ACVBF14-1	Air Check Valve	1	
25	SPBF08	Socket Plug	4		76	SPBT04	Socket Plug	1	
26	SBP018	O-ring	4	NSS	77	GNBT04	Grease Nipple	2	
27	E185CY-X4	Cylinder	1		78	E185RP	Rod Pin	2	
28	SPBF04	Socket Plug	6		79	SRH26	Snap Ring	8	
29	E185P-X9	Piston	1		80	RP26	Rubber Plug	4	
30	SCUP190	U-Packing	1	NSS	81	09500ASP	Stop Pin	4	
31	SCUP190	U-Packing	2	NSS	82	E185RB-E1	Ring Bush	1	
32	SCD190	Dust Seal	1	NSS	83	E185SFC-X4-2	Front Cover(S)	1	
33	SBM247012	Socket Bolt	16		84A	E185T-D3-CS	Tool-CS Type	1	
34	08000VC-A	Valve Cover	1	NSS	84B	E185T-D3--MF	Tool-MF Type	1	
35	HCM243008	Heli Coil	6		84C	E185T-D3--V	Tool-V Type	1	
36	ST3P095	Back-up Ring	1	NSS	84D	E185T-D3--H	Tool-H Type	1	
37	SBP095	O-ring	1	NSS	84E	E185T-D3--B	Tool-B Type	1	
38	08000VS-DT	Valve Sleeve	1	NSS	85	SBM247012A	Socket Bolt	6	
39	08000V-CT	Valve	1	NSS	86	06000FNCG-2	Clip-On Gasket	4	
40	08000VH-A1T	Valve Housing	1	NSS	87	E185TBW-G1	Through Bolt Washer	4	
41	E185VA	Valve Adjuster	1		88	SPBT08	Socket Plug	1	
42	SBG035	O-ring	1	NSS	101	E185TLB-B	Seal Kit	1	
43	E185VAHN	Valve Adjuster Hex. Nut	1		102	E185BH-G2-AY	Back Head Assy	1	
44	SPBF06	Socket Plug	1		103	E185CY-X4-AY	Cylinder Assy	1	
45	SBP014	O-ring	2	NSS	104	08000V-A1T-AY	Valve Assy	1	
46	HPBF20	Hex. Plug	1		105	E185FH-D5-AY	Front Head Assy	1	
47	SBM249012	Socket Bolt	12		106	08000A-AY	Acc. Assy	1	
48	SBG030	O-ring	1	NSS	107	08000AB-AY	Acc. Body Assy	1	
49	SBG040	O-ring	1	NSS	108	E185TB-N1-AY	Through Bolt Assy	4	
50	SBG055	O-ring	4	NSS	109	E185TLB-ST	Tool Box	1	
51	SPPIY52	Packing	2	NSS					

EDDIE185B



NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E185F-B20	Frame	1		14	E185CVB	Behind Cover Plate	1	
2	E185CRDA	Cross Damper A	1		15	SBM2030	Socket Bolt	12	
3	E185CRDB	Cross Damper B	1		16	F20	Washer	12	
4	E185BLD	Below Damper	1		17	HBM36160	Hex. Bolt	12	
5	E185SDA	Side Damper A	1		18	W36	Washer	24	
6	E185SDB	Side Damper B	1		19	HNM36	Hex. Nut	24	
7	E185SDC	Side Damper C	2		20	E185MC-B	Mount Cap	1	
8	E185SDD	Side Damper D	1		21	E185MP	Mount Pin	2	
9	E185SDE	Side Damper E	3		22	E185MPR	Mount Pin Ring	2	
10	E185SDF	Side Damper F	1		23	E185MPS	Mount Pin Stopper	2	
11	E185TB-B	Tie Bush	1		24	E185MPB	Mount Pin Bush	4	
12	E185SB-BAY	Side Bolt Assy	1	12-1/12-2/12-3	25	HBWH-AY	Hex bolt With Hole Assy	2	
13	E185CVM	Middle Cover Plate	1		26	HOB1-1/4	Hose Bush	2	

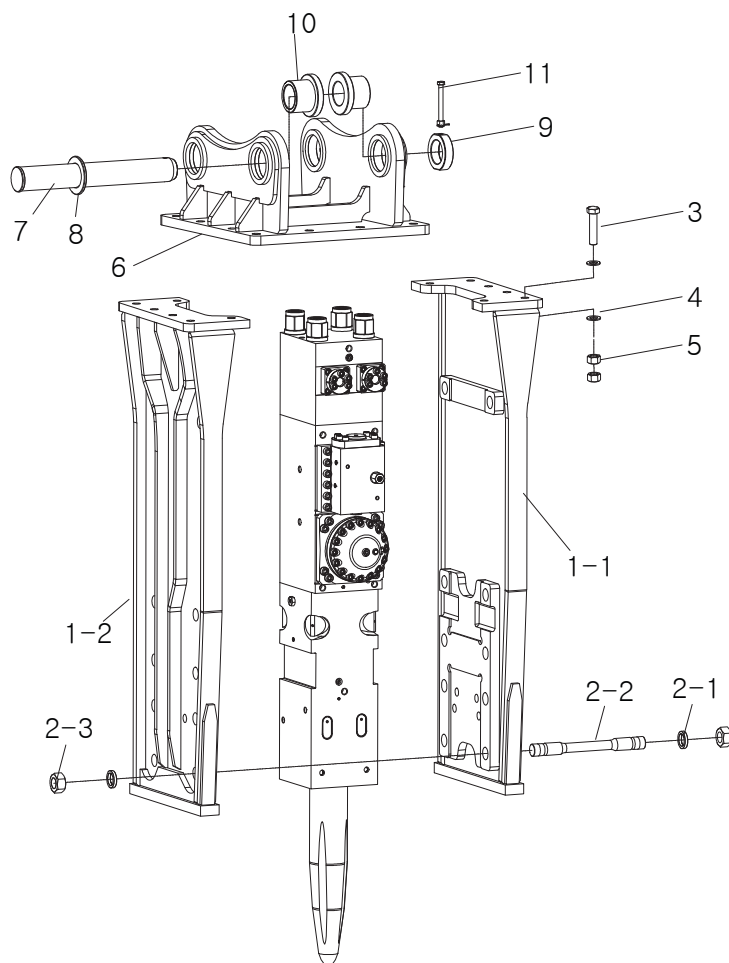
EDDIE195—T/S MAIN BODY PARTS



EDDIE195—T/S MAIN BODY PARTS LIST

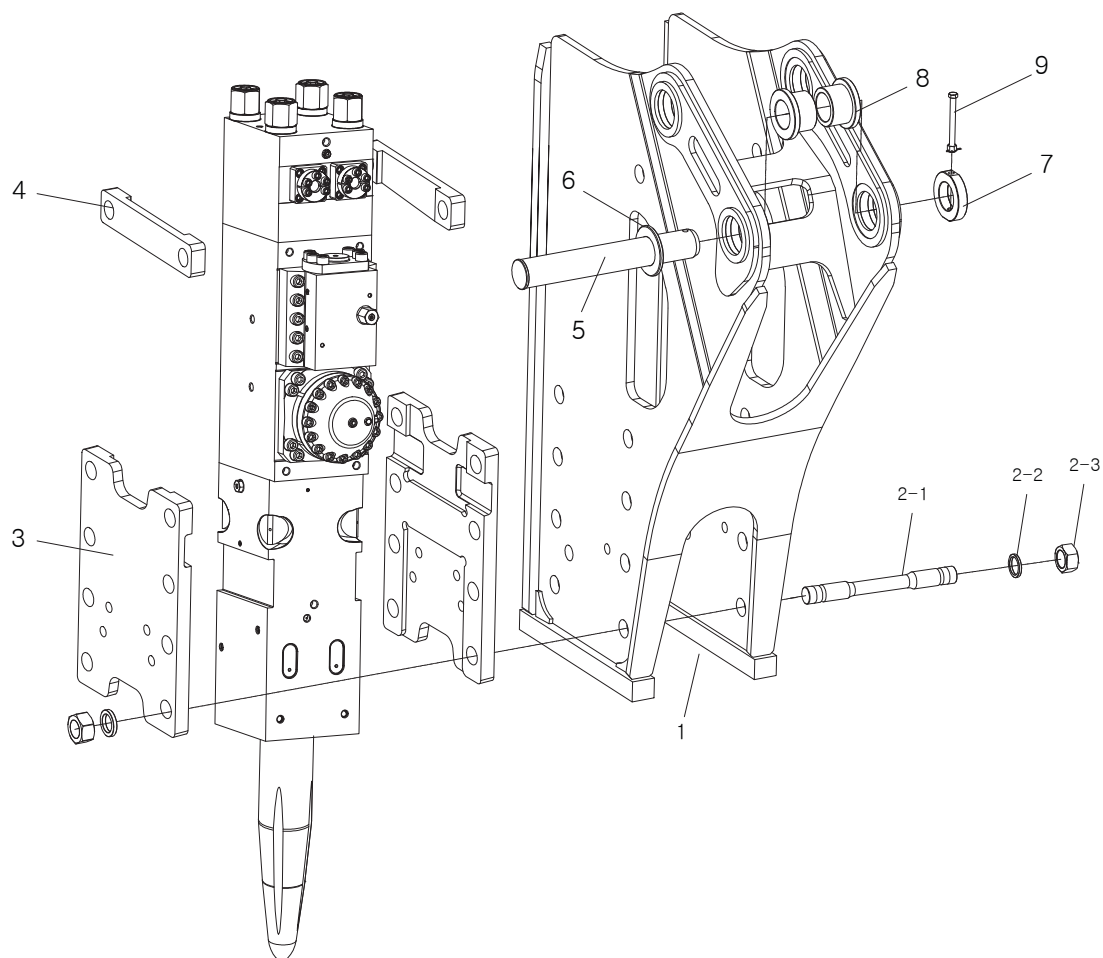
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E195BH-A1	Back Head	1		49	E185CB	Connecting BUSH	2	NSS
2	BHCVBF08	B/H Charging Valve	1		50	SBG060	O-ring	2	NSS
3	SBG065	O-ring	2	NSS	51	E195CY-3	Cylinder	1	
4	SBG085	O-ring	2	NSS	52	SPBF08	Socket Plug	4	
5	ST3G065	Back-up Ring	2	NSS	53	SBP018	O-ring	4	
6	SBP038	O-ring	2	NSS	54	SBP120	O-ring	1	NSS
7	FP4FS20D	Flange Plug	2		55	S4BP120	Back-up Ring	1	
8	SBM206012	Socket Bolt	10		56	09000AHN	Acc. Holder Nut	1	
9	HCM202509	Heli Coil	8		57	09000AB-B6	Acc. Body	1	
10	E185FA-D	Flange Adapter	2		58	SBP038	O-ring	2	NSS
11	SBM205012	Socket Bolt	8		59	09000P1AHD	Acc. Holder D	1	
12	SFCFS20D-AY	Flange Clamp-AY	2		60	09000P1AHC	Acc. Holder C	1	
13	SBG240	O-ring	2	NSS	61	09000P1AHB	Acc. Holder B	1	
14	SORI240	O-ring	2	NSS	62	09000P1AHA	Acc. Holder A	1	
15	SCG195	Gas Seal	1	NSS	63	09000P1AHKP	Acc. Holder Knock Pin	1	
16	SCS195	Step Seal	3	NSS	64	09000P1AHBT	Acc. Holder Bolt	1	
17	E195SS-2	Lower part of Assembled Seal Retainer	1		65	09000AD	Acc. Diaphragm	1	
18	SBM308012	Socket Bolt	14		66	09000AC	Acc. Cover	1	
19	HCM303509	Heli Coil	34		67	SBM247012	Socket Bolt	16	
20	09000FVC-B	Valve Cover	1		68	SBP011	O-ring	1	NSS
21	ST3P110	Back-up Ring	1	NSS	69	02000AHP	Acc. Hex. Plug	1	
22	SBP110	O-ring	1	NSS	70	SBP005	O-ring	1	NSS
23	E200V-BT1	Valve Sleeve	1		71	02000ACV	Acc. Charging Valve	1	
24	E200V-BT1a	Valve	1		72	SBP014	O-ring	1	NSS
25	E195SR-A	Upper part of Assembled Seal Retainer	1		73	02000ACVC	Acc. Charging Valve Cover	1	
26	10000FVA	Valve Adjuster	1		74	SCUP200D-B	U-Packing	2	NSS
27	SBP040	O-ring	1	NSS	75	SPBF20A	Socket Plug	2	NSS
28	10000VAHN	Valve Adjuster Hex. Nut	1		76	SCD200	Dust Seal	1	NSS
29	08000FP-C2a	Piston	1		77	ACVHBF14-1	Air Check Valve	1	
30	SPBT04	Socket Bolt	1		78	SPBT08	Socket Plug	1	
31	09500VH-V2	Valve Housing	1		79	08000PRB	Ring Bush	1	
32	SBM309012	Socket Bolt	10		80	08000FCS-X6-1	Front Cover	1	
33	HPBF20	Hex. Plug	1		81	E195FH-C3H10	Front Head	1	
34	SBP038	O-ring	1	NSS	82	GNBT04	Greasing Nipple	1	
35	SPBF04	Socket Plug	7		83	08000PRP	Rod Pin	2	
36	SBP011	O-ring	7	NSS	84	RP26	Rubber Plug	4	
37	SBG035	O-ring	2	NSS	85A	E195T-CS	Tool-CS Type	4	
38	SBG050	O-ring	3	NSS	85B	E195T-B	Tool-B Type	1	
39	SBG065	O-ring	1	NSS	85C	E195T-MF	Tool-MF Type	1	
40	FSM57	O-ring	2	NSS	85D	E195T-H	Tool-H Type	1	
41	SRH26	Snap Ring	8	NSS	101	08000FAS	Seal Kit	1	Assembly
42	08000TBHN-A1	Through Bolt Hex. Nut	4	NSS	102	09500V-V2-AY	Valve Assy	1	
43	08000TBW-N	Through Bolt Washer	4	NSS	103	09000A-B3-AY	Acc. Assy	1	
44	09500FSP	Stop Pin	4	NSS	104	08000PTB-AY	Through Bolt Assy	4	
45	08000PTB-N	Through Bolt	4	NSS	105	E195TLB-ST	Tool Box	1	
46	08000FTBRN-C	Through Bolt Rd. Nut	4	NSS	106	E195BH-1-AY	Back Head Assy	1	
47	06000FKP	Knock Pin	4		107	E195CY-3-AY	Cylinder Assy	1	
48	SBP048A	O-ring	4	NSS	108	E195FH-C2-AY	Front Head Assy	1	
					109	09000AB-B3-AY	Acc. Body Assy	1	

EDDIE195T



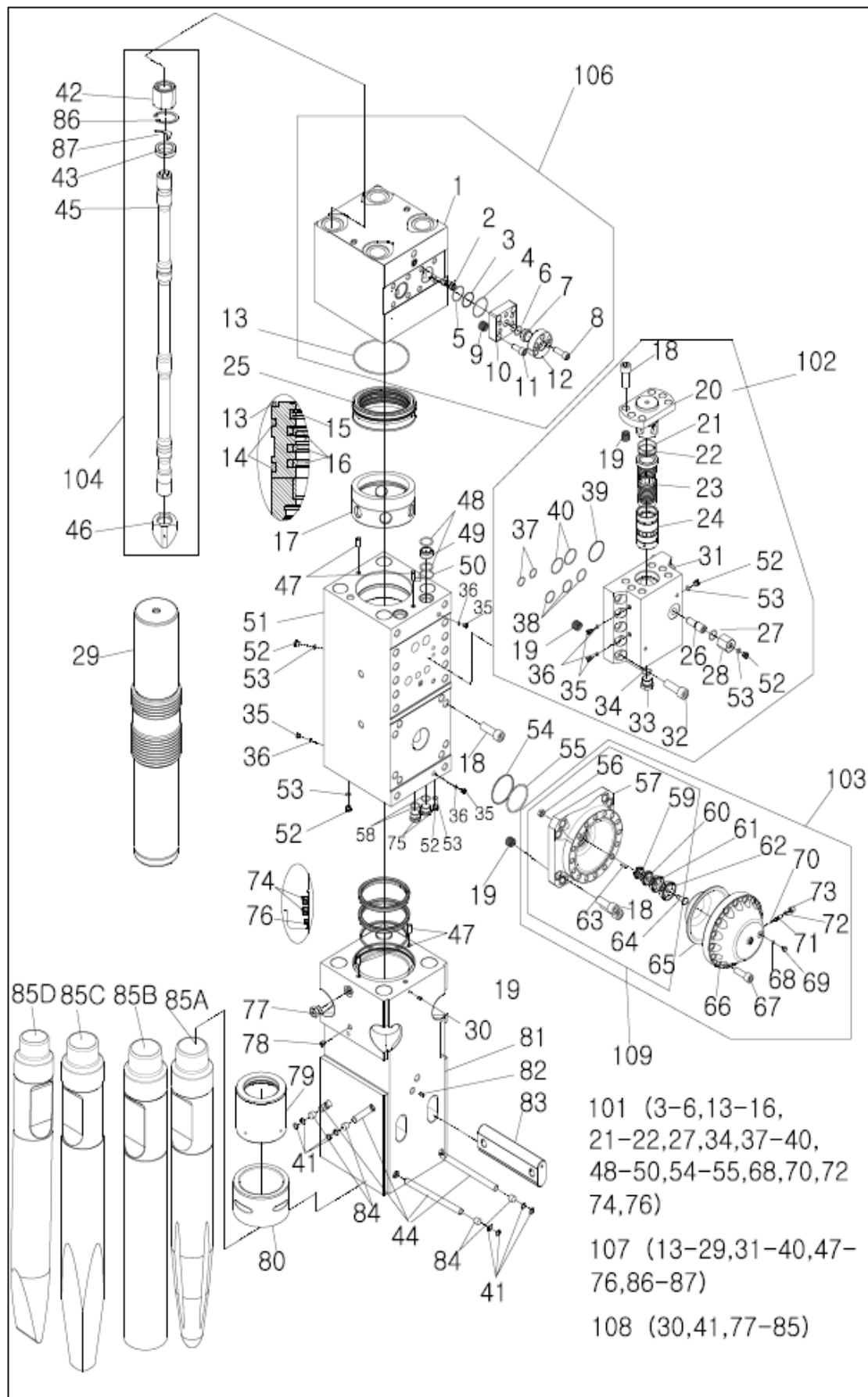
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E195F-T	Frame	1	
2	E195SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	HBM36160	Hex bolt	12	
4	W36	Washer	24	
5	HNM36	Hex.Nut	24	
6	E195MC-T	Mount Cap	1	
7	E195MP	Mount Pin	2	
8	E195MPR	Mount Pin Ring	2	
9	E195MPS	Mount Pin Stopper	2	
10	E195MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE195S



NO.	PART NO.	PART NAME	QTY	REMARKS
1	E195F-S	Frame	1	
2	E195SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	E195CPL	Clamping Plate	2	
4	E195GP	Guide Plate	2	
5	E195MP	Mount Pin	2	
6	E195MPR	Mount Pin Ring	2	
7	E195MPS	Mount Pin Stopper	2	
8	E195MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

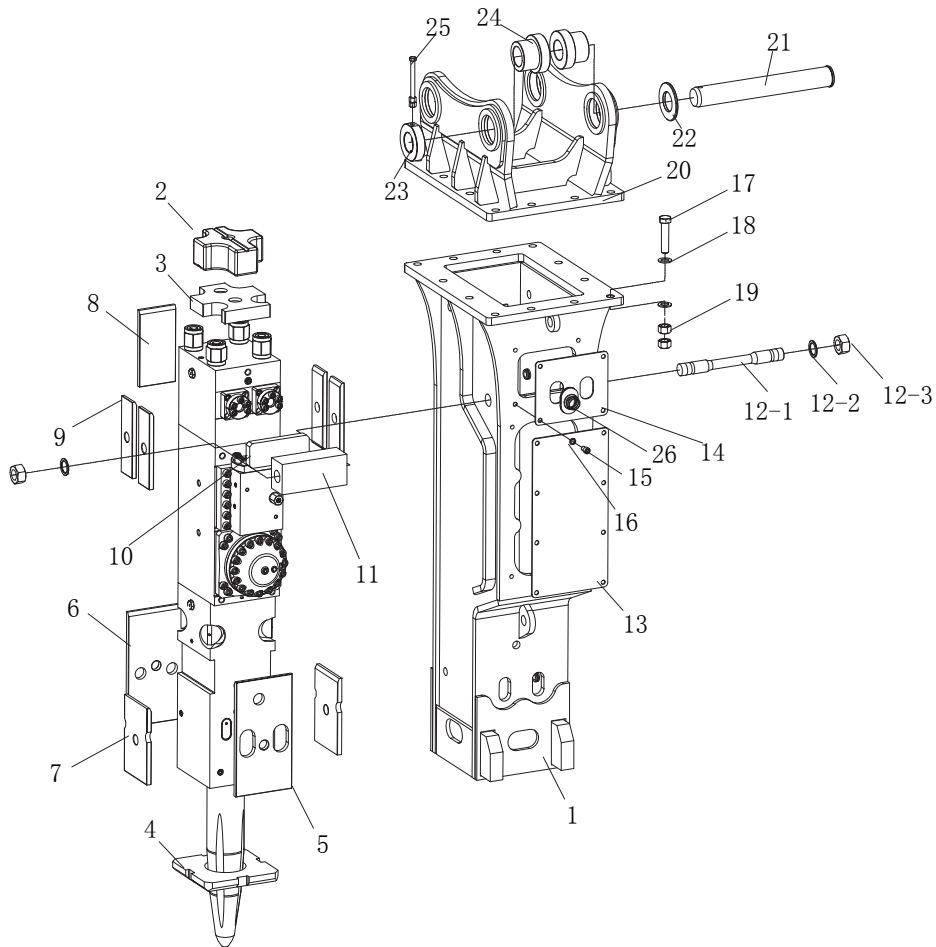
EDDIE195—B MAIN BODY PARTS



EDDIE195—B MAIN BODY PARTS LIST

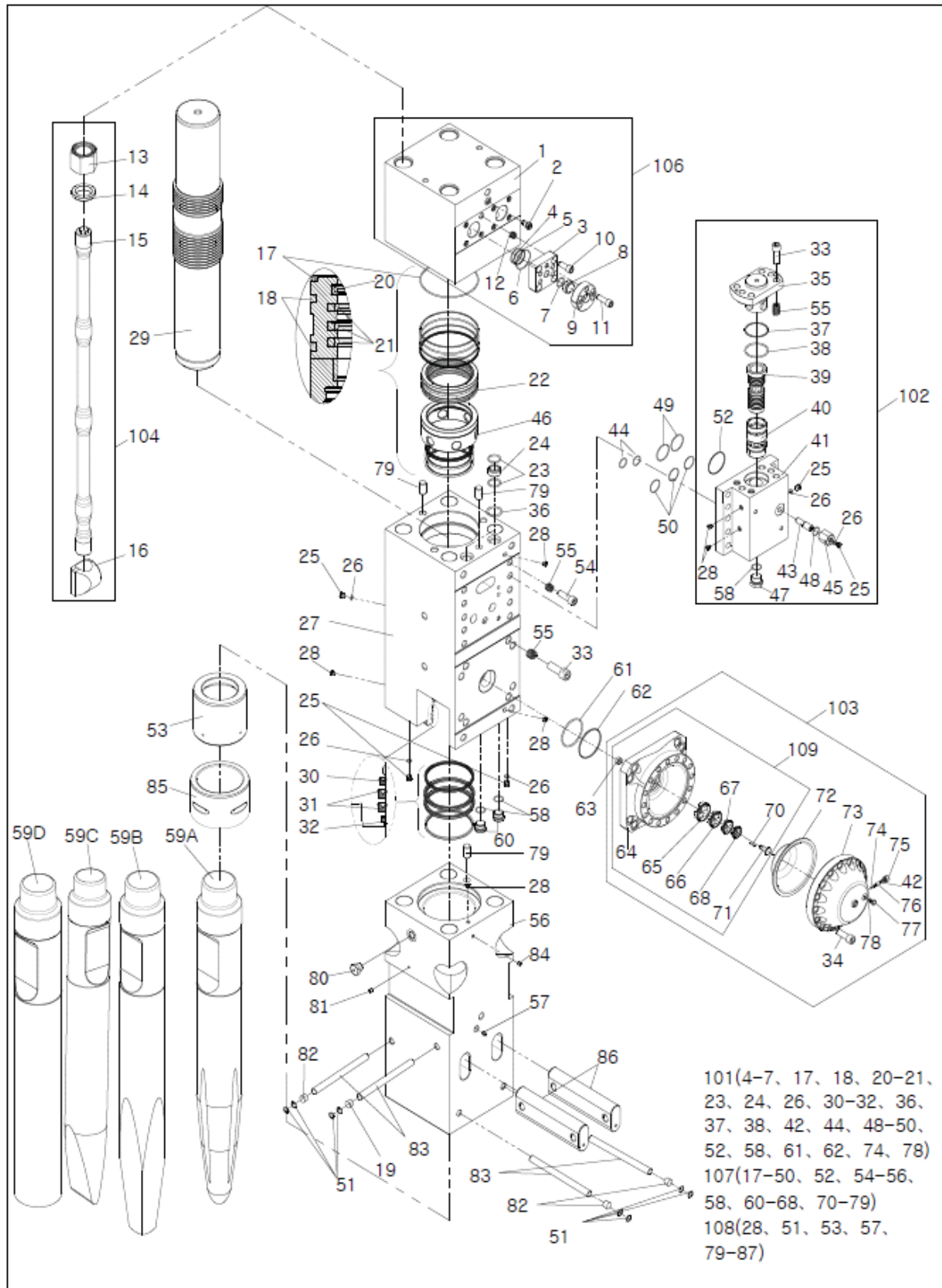
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	08000FBH-G2	Back Head	1		50	SBG060	O-ring	2	NSS
2	BHCVBFO8	B/H Charging Valve	1		51	08000FCY-3	Cylinder	1	
3	SBG065	O-ring	2	NSS	52	SPBF08	Socket Plug	4	
4	SBG085	O-ring	2	NSS	53	SBP018	O-ring	4	NSS
5	ST3G065	Back-up Ring	2	NSS	54	SBP120	O-ring	1	NSS
6	SBP038	O-ring	2	NSS	55	S4BP120	Back-up Ring	1	
7	FP4FS20D	Flange Plug	2		56	09000AHN	Acc. Holder Nut	1	
8	SBM206012	Socket Bolt	10		57	09000AB-B6	Acc. Body	1	
9	HCM202509	Heli Coil	8		58	SBP038	O-ring	2	NSS
10	E185FA-D	Flange Adapter	2		59	09000P1AHD	Acc. Holder D	1	
11	SBM205012	Socket Bolt	8		60	09000P1AHC	Acc. Holder C	1	
12	SFCFS20D-AY	Flange Clamp-AY	2		61	09000P1AHB	Acc. Holder B	1	
13	SBG240	O-ring	2	NSS	62	09000P1AHA	Acc. Holder A	1	
14	SORI240	O-ring	2	NSS	63	09000P1AHKP	Acc. Holder Knock Pin	1	
15	SCG195	Gas Seal	1	NSS	64	09000P1AHBT	Acc. Holder Bolt	1	
16	SCS195	Step Seal	3	NSS	65	09000AD	Acc. Diaphragm	1	
17	08000FSS-2	Lower part of Assembled Seal Retainer	1		66	09000AC	Acc. Cover	1	
18	SBM308012	Socket Bolt	14		67	SBM247012	Socket Bolt	16	
19	HCM303509	Heli Coil	34		68	SBP011	O-ring	1	NSS
20	E200VC-B	Valve Cover	1		69	02000AHP	Acc. Hex. Plug	1	
21	ST3P110	Back-up Ring	1	NSS	70	SBP005	O-ring	1	NSS
22	SBP110	O-ring	1	NSS	71	02000ACV	Acc. Charging Valve	1	
23	E200VS-FBT1	Valve	1	NSS	72	SBP014	O-ring	1	NSS
24	E200V-FBT1a	Valve Sleeve	1	NSS	73	02000ACVC	Acc. Charging Valve Cover	1	
25	08000FSR-A	Upper part of Assembled Seal Retainer	1		74	SCUP200D-B	U-Packing	2	NSS
26	10000FVA	Valve Adjuster	1		75	SPBF20A	Socket Plug	2	NSS
27	SBP040	O-ring	1	NSS	76	SCD200	Dust Seal	1	NSS
28	10000VAHN	Valve Adjuster Hex. Nut	1		77	ACVHBF14-1	Air Check Valve	1	
29	08000FP-C2a	Piston	1		78	SPBT08	Socket Plug	1	
30	SPBT04	Socket Bolt	1		79	08000PRB	Ring Bush	1	
31	09500FVH-V2T1	Valve Housing	1		80	08000FCS-X6-C	Front Cover	1	
32	SBM309012	Socket Bolt	10		81	E195FH-C3H10	Front Head	1	
33	HPBF20	Hex. Plug	1		82	GNBT04	Greasing Nipple	1	
34	SBP038	O-ring	1	NSS	83	08000PRP	Rod Pin	2	
35	SPBF04	Socket Plug	7		84	RP26	Rubber Plug	4	
36	SBP011	O-ring	7	NSS	85A	08000FT-CS	Tool-CS Type	4	
37	SBG035	O-ring	2	NSS	85B	08000FT-B	Tool-B Type	1	
38	SBG050	O-ring	3	NSS	85C	08000FT-MF	Tool-MF Type	1	
39	SBG065	O-ring	1	NSS	85D	08000FT-H	Tool-H Type	1	
40	FSM57	O-ring	2	NSS	86	SRS110	Snap Ring-Shaft	4	
41	SRH26	Snap Ring	8	NSS	87	08000FNCG-2	Clip-On Gasket	4	
42	E195TBHN-G2	Through Bolt Hex. Nut	4	NSS	101	E195-S-2	Seal Kit	1	Assembly
43	E195TBW-G2	Through Bolt Washer	4	NSS	102	09500V-V2T1-AY	Valve Assy	1	
44	09500FSP	Stop Pin	4		103	09000A-B6-AY	Acc. Assy	1	
45	08000PTB-N1	Through Bolt	4	NSS	104	08000PTB-AY	Through Bolt Assy	4	
46	08000FTBRN-C	Through Bolt Rd. Nut	4	NSS	105	E195TLB-ST	Tool Box	1	
47	06000FKP	Knock Pin	4	NSS	106	08000FBH-G2-AY	Back Head Assy	1	
48	SBP048A	O-ring	4	NSS	107	08000FCY-3-AY	Cylinder Assy	1	
49	06000FCB	Connecting BUSH	2	NSS	108	08000F-C4H10-AY	Front Head Assy	1	
					109	09000AB-B6-AY	Acc. Body Assy	1	

EDDIE195B



NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E195F-B20	Frame	1		14	E195CVB	Behind Cover Plate	1	
2	E195CRDA	Cross Damper A	1		15	SBM2030	Socket Bolt	12	
3	E195CRDB	Cross Damper B	1		16	F20	Washer	12	
4	E195BLD	Below Damper	1		17	HBM36160	Hex. Bolt	12	
5	E195SDA	Side Damper A	1		18	W36	Washer	24	
6	E195SDB	Side Damper B	1		19	HNM36	Hex. Nut	24	
7	E195SDC	Side Damper C	2		20	E195MC-B	Mount Cap	1	
8	E195SDD	Side Damper D	1		21	E195MP	Mount Pin	2	
9	E195SDE	Side Damper E	4		22	E195MPR	Mount Pin Ring	2	
10	E195SDF	Side Damper F	1		23	E195MPS	Mount Pin Stopper	2	
11	E195TB-B	Tie Bush	1		24	E195MPB	Mount Pin Bush	4	
12	E195SB-BAY	Side Bolt Assy	1	12-1/12-2/12-3	25	HBWH-AY	Hex bolt With Hole Assy	2	
13	E195CVM	Middle Cover Plate	1		26	HOBUI-1/4	Hose Bush	2	

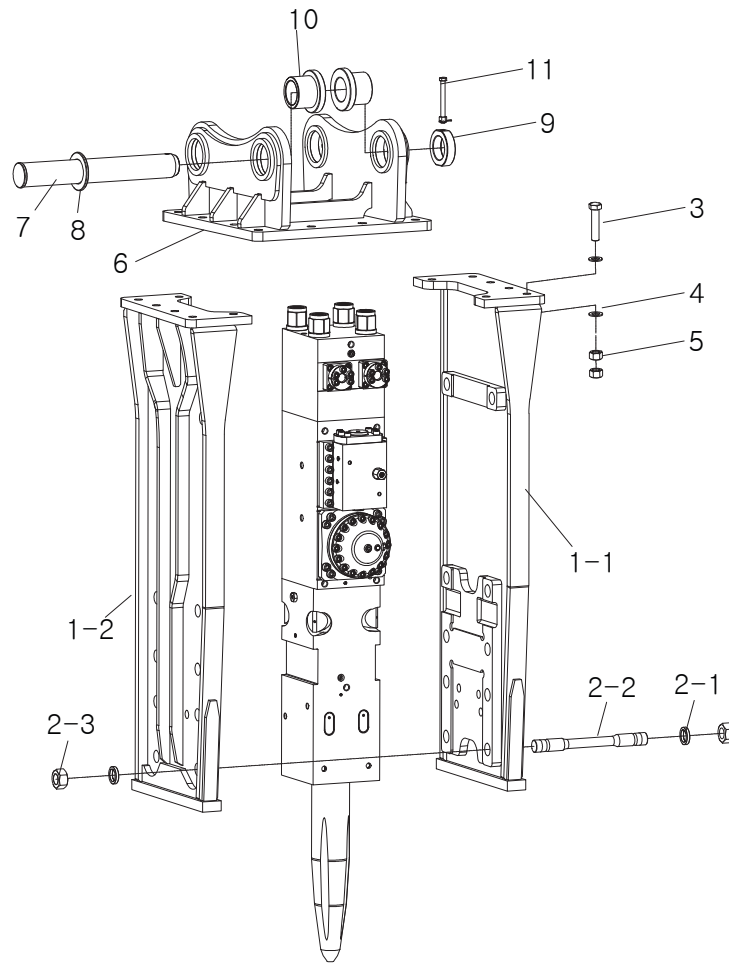
EDDIE200—T/S MAIN BODY PARTS



EDDIE200—T/S MAIN BODY PARTS LIST

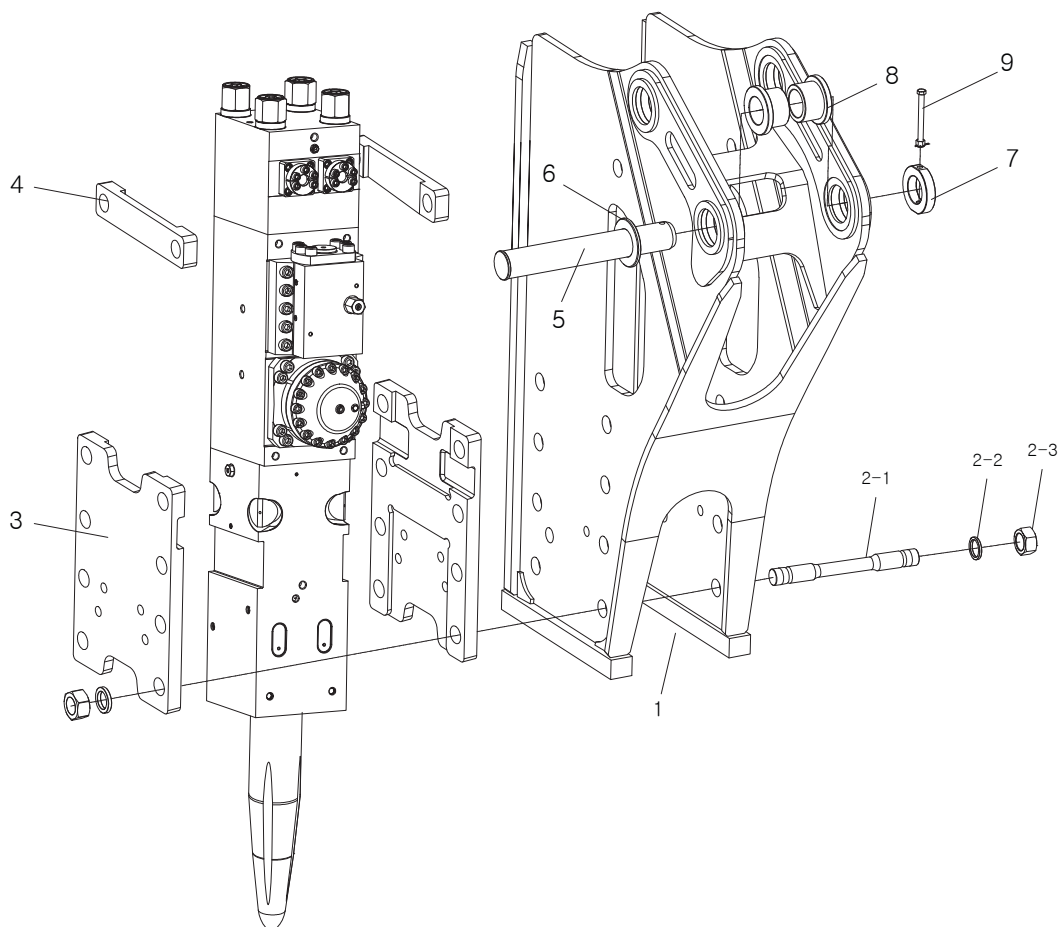
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	09000BH-A1	Back Head	1		49	SFSM57	O-ring	2	NSS
2	BHCVBF08	B/H Charging Valve	1		50	SBG050	O-ring	3	NSS
3	06000FFA-D	Flange Adapter	2		51	SRH26	Snap Ring	8	
4	SBG065	O-ring	2	NSS	52	SBG065	O-ring	1	NSS
5	ST3G065	Back-up Ring	2	NSS	53	E200RB-F-1	Ring Bush	1	NSS
6	SBG085	O-ring	2	NSS	54	SBM309012	Socket Bolt	10	
7	SBP038	O-ring	2	NSS	55	HCM303509	Heli Coil	24	
8	FP4FS20D	Flange Plug	2		56	E200FH-T5H10	Front Head	1	
9	SFCFS20-C	Split Flange Clamp Assy	2		57	GNBT04	Grease Nipple	1	
10	SBM205012	Socket Bolt	8		58	SBP038	O-ring	3	NSS
11	SBM206012	Socket Bolt	10		59A	09000FT-CS	Tool-CS Type	1	
12	HCM202509	Heli Coil	8		59B	09000FT-MF	Tool-MF Type	1	
13	10000TBHN-A1	Through Bolt Hex. Nut	4	NSS	59C	09000FT-H	Tool-H Type	1	
14	E220BW-A1	Through Bolt Washer	4	NSS	59D	09000FT-B	Tool-B Type	1	
15	09000TB-FZ1	Through Bolt	4	NSS	60	SPBF20A	Socket Plug	2	
16	09000TBRN-D2	Through Bolt Rd. Nut	4	NSS	61	SBP120	O-ring	1	NSS
17	SBG250	O-ring	2	NSS	62	S4BP120	Back-up Ring	1	NSS
18	SORI250	O-ring	2	NSS	63	09000AHN	Acc. Holder Nut	1	NSS
19	RP26A	Rubber Plug	1	NSS	64	09000AB-B3	Acc. Body	1	NSS
20	SCG195	Gas Seal	1	NSS	65	09000P1AHD	Acc. Holder D	1	NSS
21	SCS195	Step Seal	3	NSS	66	09000P1AHC	Acc. Holder C	1	NSS
22	E200SR-A1	Upper part of Assembled Seal Retainer	1		67	09000P1AHB	Acc. Holder B	1	NSS
23	SBP048A	O-ring	4	NSS	68	09000P1AHA	Acc. Holder A	1	NSS
24	06000FCB	Connecting Bush	2	NSS	70	09000P1AHKP	Acc. Holder Knock Pin	1	NSS
25	SPBF08	Socket Plug	5		71	09000P1AHBT	Acc. Holder Bolt	1	NSS
26	SBP018	O-ring	5	NSS	72	09000AD	Acc. Diaphragm	1	
27	E200CY-F-4	Cylinder	1		73	09000AC	Acc. Cover	1	
28	SPBF04	Socket Plug	6		74	SBP005	O-ring	1	NSS
29	E200P-F13a	Piston	1		75	02000ACVC	Acc. Charging Valve Cover	1	
30	SCUP200	U-Packing	1	NSS	76	02000ACV	Acc. Charging Valve	1	
31	SCUP200-D	U-Packing	2	NSS	77	02000AHP	Acc. Hex. Plug	1	
32	SCD200	Dust Seal	1	NSS	78	SBP011	O-ring	1	NSS
33	SBM308012	Socket Bolt	14		79	09000KP	Knock Pin	3	
34	SBM247012	Socket Bolt	16		80	ACVHBF14-1	Air Check Valve	1	
35	E200VC-FB	Valve Cover	1	NSS	81	SPBT08	Socket Plug	1	
36	SBG060	O-ring	2	NSS	82	RP26	Rubber Plug	4	
37	ST3P110	Back-up Ring	1	NSS	83	10000SP	Stop Pin	4	
38	SBP110	O-ring	1	NSS	84	SPBT04	Socket Bolt	1	
39	E200V-FBT1	Valve	1	NSS	85	E200FCS-F-1	Front Cover	1	
40	E200VS-FBT1a	Valve Sleeve	1	NSS	86	09000RP	Rod Pin	2	
41	E210VH-V2T1	Valve Housing	1	NSS	101	09000S-2	Seal Kit	1	Assembly
42	SBP014	O-ring	1	NSS	102	09500V-V2-AY	Valve Assy	1	
43	10000FVA	Valve Adjuster	1		103	09000A-AY	Acc. Assy	1	
44	SBG035	O-ring	2	NSS	104	09000TB-D2-AY	Through Bolt Assy	4	
45	10000VAHN	Valve Adjuster Nut	1		105	09000FTLB-ST	Toolbox-ST	1	
46	E200LASR-F-3	Lower part of Assembled Seal Retainer	1		106	09000BH-N2-AY	Back Head Assy	1	
47	HPBF20	Hex. Plug	1		107	E200CY-F-4-AY	Cylinder Assy	1	
48	SBP040	O-ring	1	NSS	108	E200FH-F-T4-AY	Front Head Assy	1	
					109	09000AB-B3-AY	Acc. Body Assy	1	

EDDIE200T



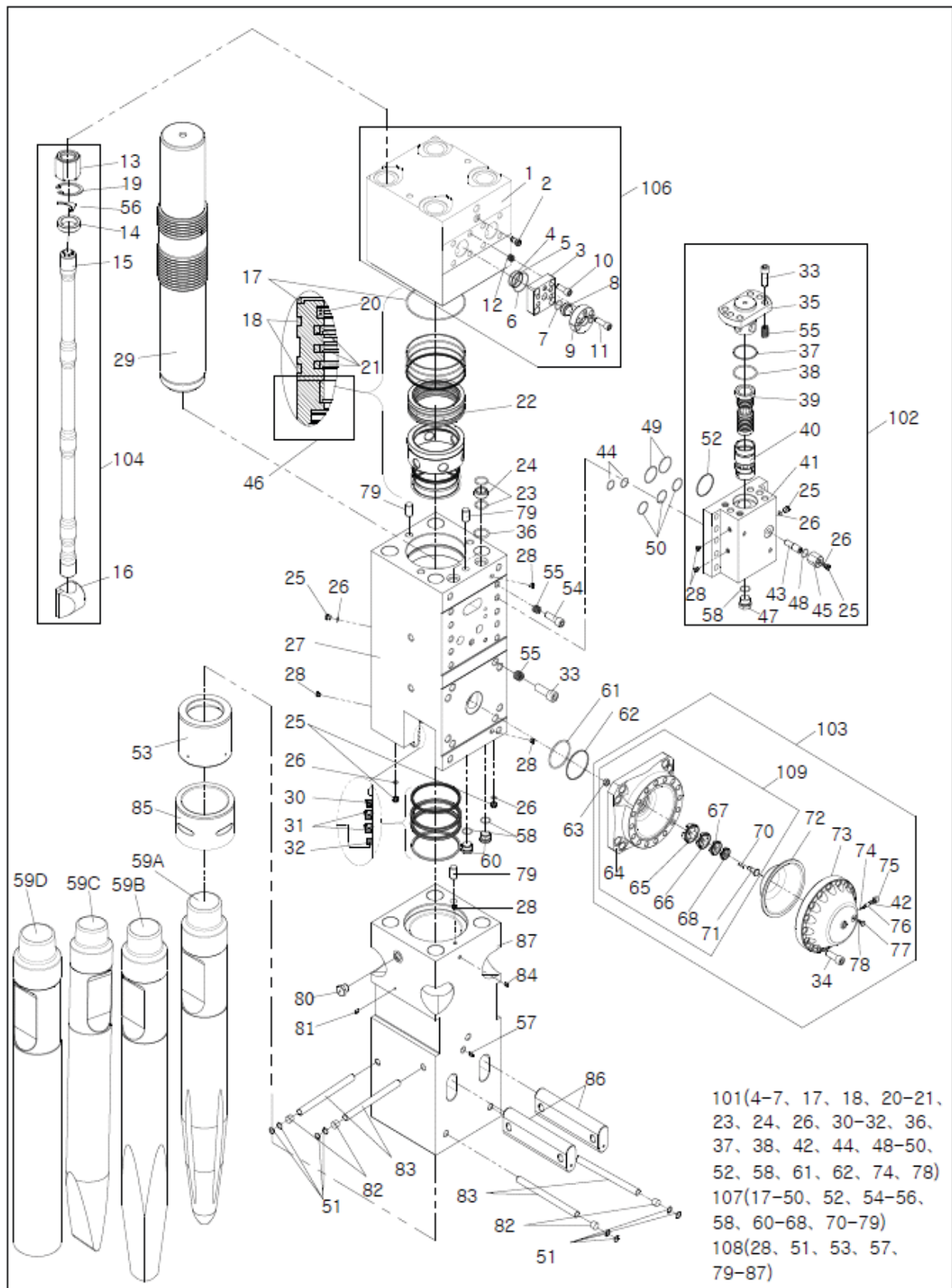
NO.	PART NO.	PART NAME	QTY	REMARKS
1	E200F-T	Frame	1	
2	E200SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	HBM36160	Hex bolt	12	
4	W36	Washer	24	
5	HNM36	Hex.Nut	24	
6	E200MC-T	Mount Cap	1	
7	E200MP	Mount Pin	2	
8	E200MPR	Mount Pin Ring	2	
9	E200MPS	Mount Pin Stopper	2	
10	E200MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE200S



NO.	PART NO.	PART NAME	QTY	REMARKS
1	E200F-S	Frame	1	
2	E200SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	E200CPL	Clamping Plate	2	
4	E200GP	Guide Plate	2	
5	E200MP	Mount Pin	2	
6	E200MPR	Mount Pin Ring	2	
7	E200MPS	Mount Pin Stopper	2	
8	E200MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

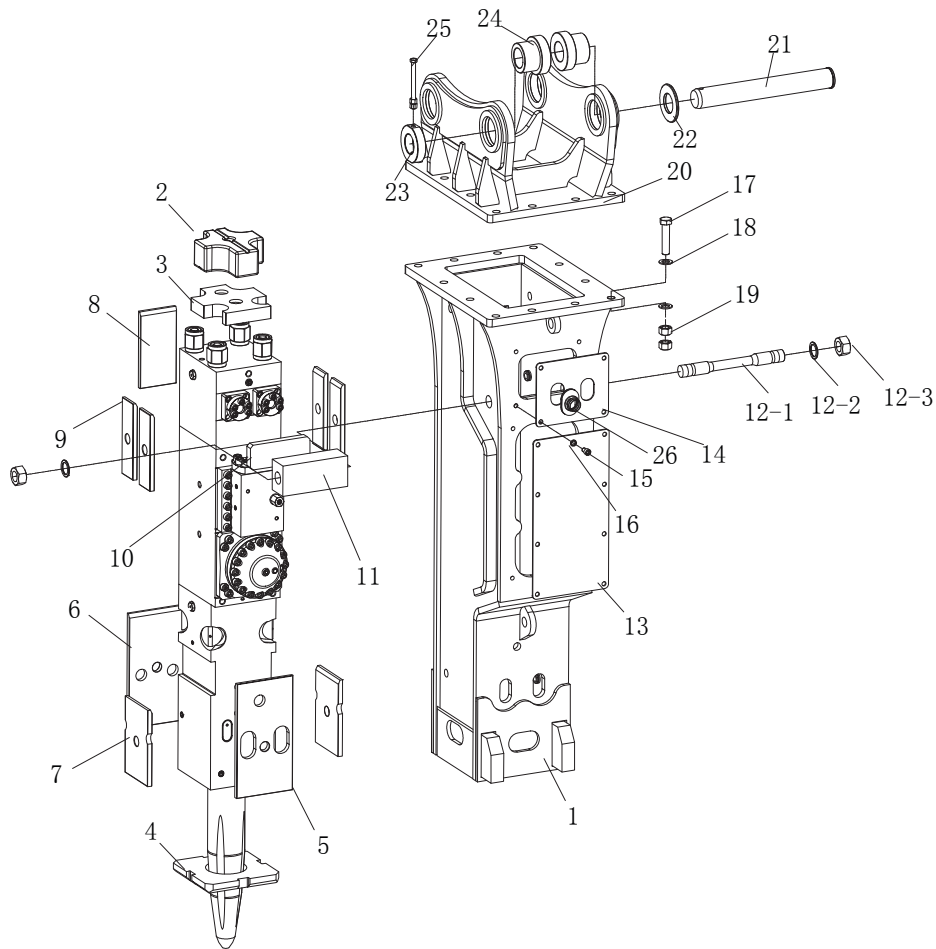
EDDIE200—B MAIN BODY PARTS



EDDIE200—B MAIN BODY PARTS LIST

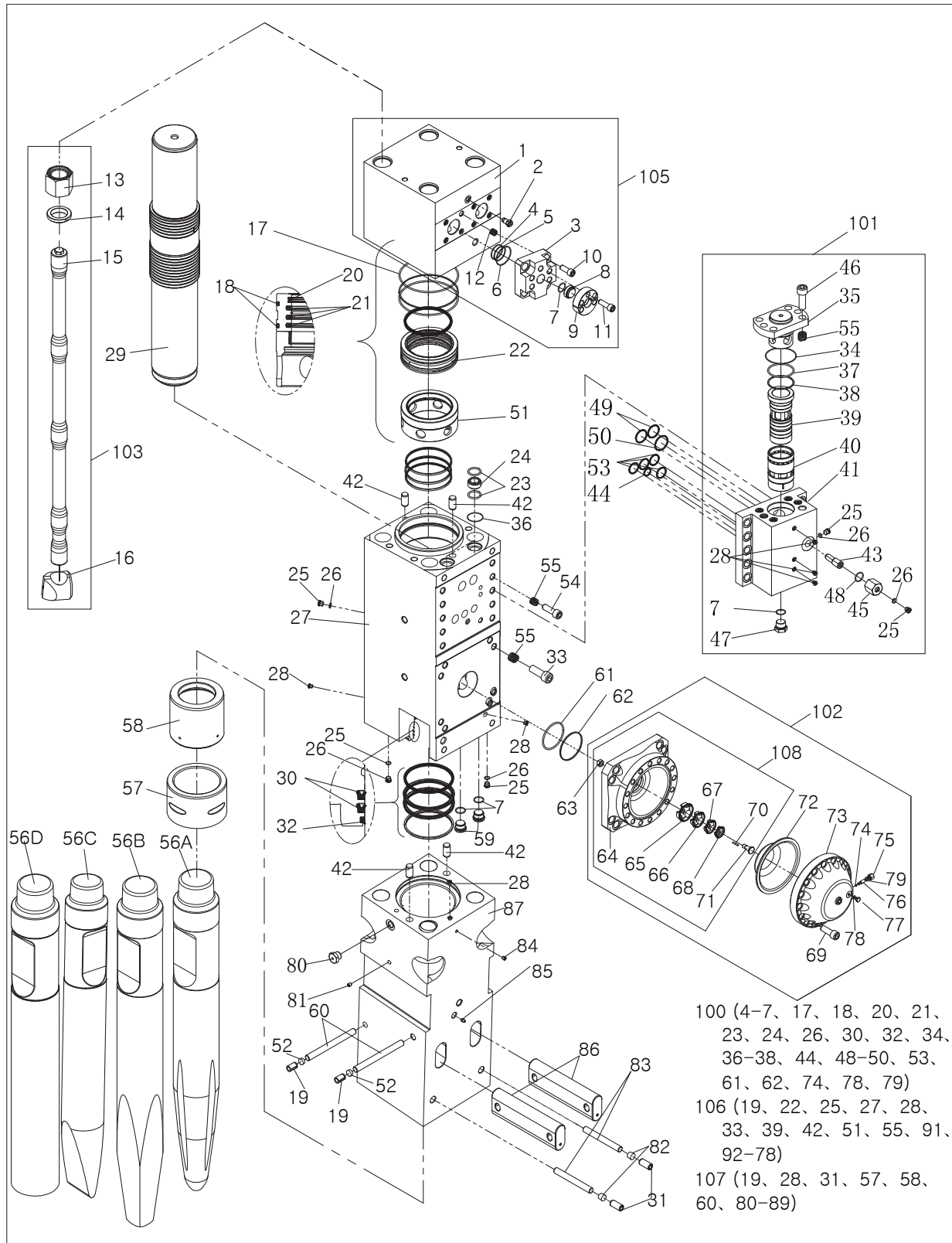
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	09000BH-G2	Back Head	1		51	SRH26	Snap Ring	8	
2	BHCVB08	B/H Charging Valve	1		52	SBG065	O-ring	1	NSS
3	06000FFA-D	Flange Adapter	2		53	E200RB-1	Ring Bush	1	
4	SBG065	O-ring	2	NSS	54	SBM309012	Socket Bolt	10	
5	ST3G065	Back-up Ring	2	NSS	55	HCM303509	Heli Coil	24	
6	SBG085	O-ring	2	NSS	56	09000FNCG	Clip-On Gasket	1	
7	SBP038	O-ring	2	NSS	57	GNBT04	Grease Nipple	1	
8	FP4FS20D	Flange Plug	2		58	SBP038	O-ring	3	NSS
9	SFCFS20-C	Split Flange Clamp Assy	2		59A	E200T-CS	Tool-CS Type	1	
10	SBM205012	Socket Bolt	8		59B	E200T-MF	Tool-MF Type	1	
11	SBM206012	Socket Bolt	10		59C	E200T-H	Tool-H Type		
12	HCM202509	Heli Coil	8		59D	E200T-B	Tool-B Type		
13	E200ETB-G2	Through Bolt Hex. Nut	4		60	SPBF20A	Socket Plug	2	
14	E200ETBW-G2	Through Bolt Washer	4		61	SBP120	O-ring	1	NSS
15	E200TB-Z1	Through Bolt	4		62	S4BP120	Back-up Ring	1	NSS
16	09000TBRN-D2	Through Bolt Rd. Nut	4		63	09000AHN	Acc. Holder Nut	1	NSS
17	SBG250	O-ring	2	NSS	64	09000AB-B3	Acc. Body	1	NSS
18	SORI250	O-ring	2	NSS	65	09000P1AHD	Acc. Holder D	1	NSS
19	SRS120	Snap Ring- Shaft	1		66	09000P1AHC	Acc. Holder C	1	NSS
20	SCG195	Gas Seal	1	NSS	67	09000P1AHB	Acc. Holder B	1	NSS
21	SCS195	Step Seal	3	NSS	68	09000P1AHA	Acc. Holder A	1	NSS
22	E200SR-A1	Upper part of Assembled Seal Retainer	1		70	09000P1AHKP	Acc. Holder Knock Pin	1	NSS
23	SBP048A	O-ring	4	NSS	71	09000P1AHBT	Acc. Holder Bolt	1	NSS
24	06000FCB	Connecting Bush	2	NSS	72	09000AD	Acc. Diaphragm	1	
25	SPBF08	Socket Plug	5		73	09000AC	Acc. Cover	1	
26	SBP018	O-ring	5	NSS	74	SBP005	O-ring	1	NSS
27	E200CY-4	Cylinder	1		75	02000ACVC	Acc. Charging Valve Cover	1	
28	SPBF04	Socket Plug	6		76	02000ACV	Acc. Charging Valve	1	
29	E200P-13	Piston	1		77	02000AHP	Acc. Hex. Plug	1	
30	SCUP200	U-Packing	1	NSS	78	SBP011	O-ring	1	NSS
31	SCUP200-D	U-Packing	2	NSS	79	09000KP	Knock Pin	3	
32	SCD200	Dust Seal	1	NSS	80	ACVHBF14-1	Air Check Valve	1	
33	SBM308012	Socket Bolt	14		81	SPBT08	Socket Plug	1	
34	SBM247012	Socket Bolt	16		82	RP26	Rubber Plug	4	
35	E200VC-FB	Valve Cover	1	NSS	83	10000SP	Stop Pin	4	
36	SBG060	O-ring	2	NSS	84	SPBT04	Socket Bolt	1	
37	ST3P110	Back-up Ring	1	NSS	85	09000FFCS-1	Front Cover	1	
38	SBP110	O-ring	1	NSS	86	09000RP	Rod Pin	2	
39	E200VS-FB	Valve Sleeve	1	NSS	87	E200FH-T5H10	Front Head	1	
40	E200V-FB	Valve	1	NSS	101	E200S-2	Seal Kit	1	Assembly
41	E210VH-V2	Valve Housing	1	NSS	102	09500V-V2T1-AY	Valve Assy	1	
42	SBP014	O-ring	1	NSS	103	09000A-AY	Acc. Assy	1	
43	10000FVA	Valve Adjuster	1		104	09000FTB-Z1-AY	Through Bolt Assy	4	
44	SBG035	O-ring	2	NSS	105	09000FTLB-ST	Toolbox-ST	1	
45	10000VAHN	Valve Adjuster Nut	1		106	09000BH-G2-AY	Back Head Assy	1	
46	09000FLASR-3	Lower part of Assembled Seal Retainer	1		107	E200CY-F-4-AY	Cylinder Assy	1	
47	HPBF20	Hex. Plug	1		108	E200FH-T5H10-AY	Front Head Assy	1	
48	SBP040	O-ring	1	NSS	109	09000AB-B6-AY	Acc. Body Assy	1	
49	SFSM57	O-ring	2	NSS	108	E200FH-H6-AY	Front Head Assy	1	
50	SBG050	O-ring	3	NSS	109	09000AB-AY	Acc Body. Assy	1	

EDDIE200B



NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E200F-B20	Frame	1		14	E200CVB	Behind Cover Plate	1	
2	E200CRDA	Cross Damper A	1		15	SBM2030	Socket Bolt	12	
3	E200CRDB	Cross Damper B	1		16	F20	Washer	12	
4	E200BLD	Below Damper	1		17	HBM36160	Hex. Bolt	12	
5	E200SDA	Side Damper A	1		18	W36	Washer	24	
6	E200SDB	Side Damper B	1		19	HN36	Hex. Nut	24	
7	E200SDC	Side Damper C	2		20	E200MC-B	Mount Cap	1	
8	E200SDD	Side Damper D	1		21	E200MP	Mount Pin	2	
9	E200SDE	Side Damper E	4		22	E200MPR	Mount Pin Ring	2	
10	E200SDF	Side Damper F	1		23	E200MPS	Mount Pin Stopper	2	
11	E200TB-B	Tie Bush	1		24	E200MPB	Mount Pin Bush	4	
12	E200SB-BAY	Side Bolt Assy	1	12-1/12-2/12-3	25	HBWH-AY	Hex bolt With Hole Assy	2	
13	E200CVM	Middle Cover Plate	1		26	HOB1-1/4	Hose Bush	2	

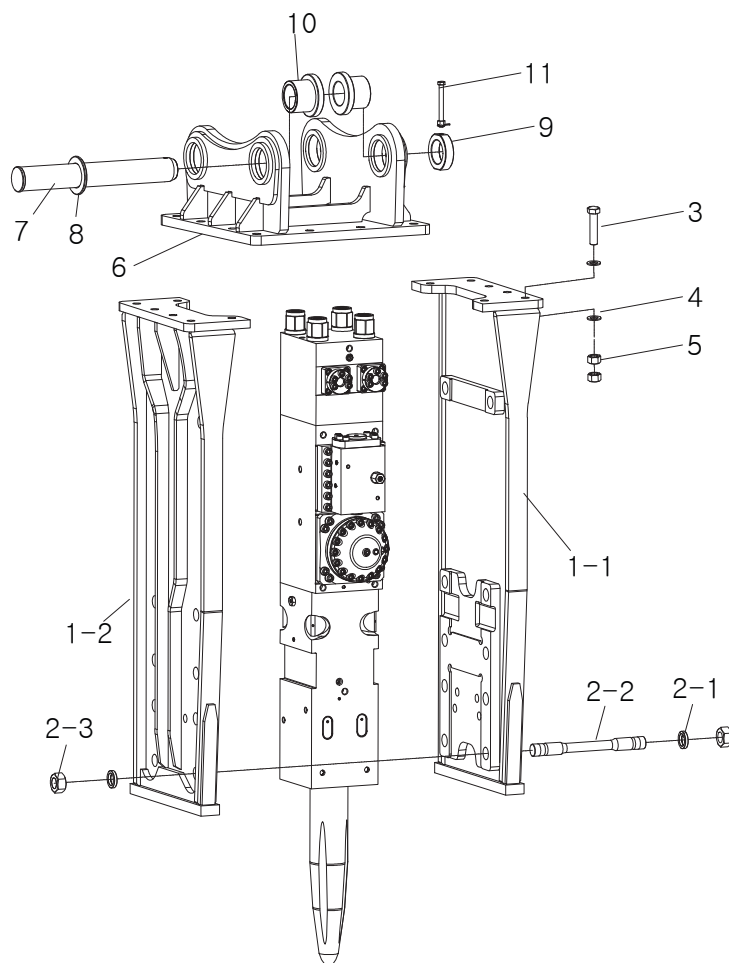
EDDIE205-T/S MAIN BODY PARTS



EDDIE205-T/S MAIN BODY PARTS LIST

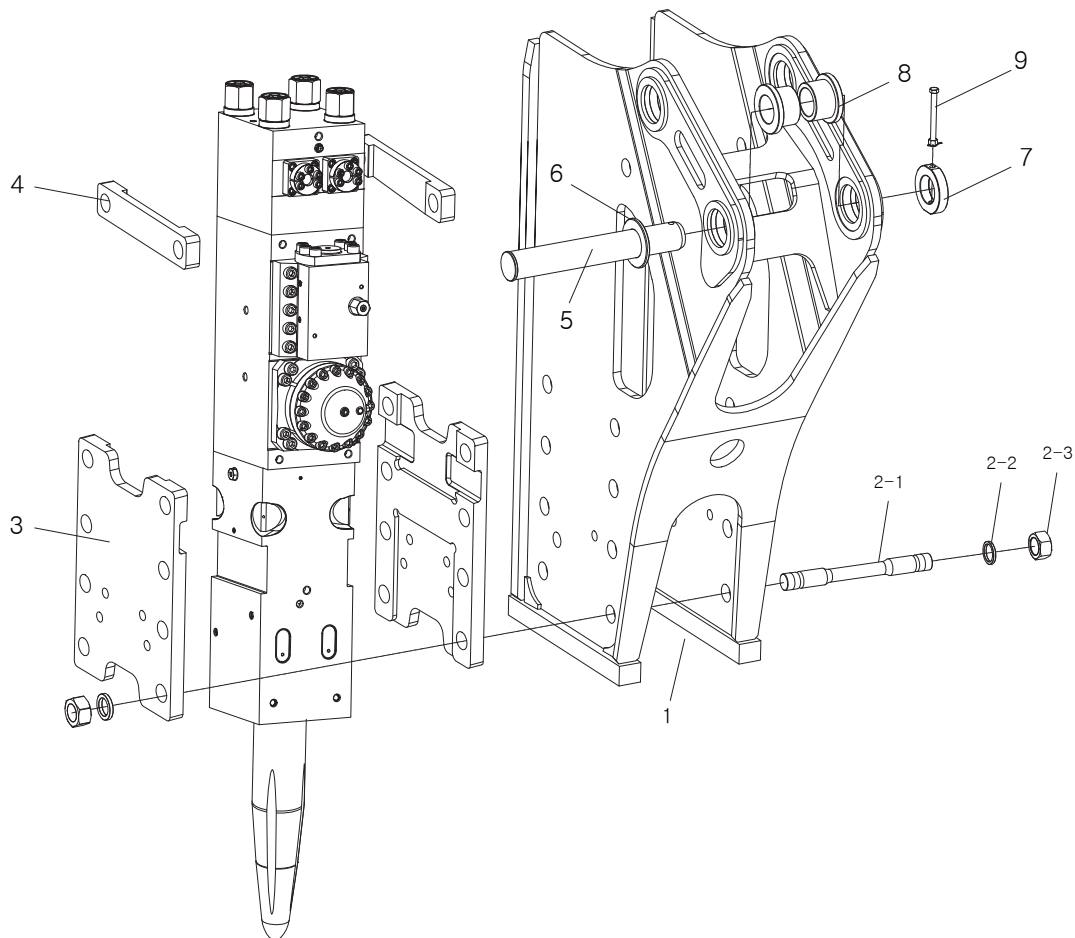
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E205BH-A1	Back Head	1		51	E205LASR-2	Lower part of Assembled Seal Retainer	1	
2	BHCVBF08	B/H Charging Valve	1		52	RP26A	Rubber Plug	2	
3	10000PFA	Flange Adapter	2		53	SBG050	O-ring	4	NSS
4	SBP080	O-ring	2	NSS	54	SBM249012	Socket Bolt	10	
5	ST3P080A	Back-up Ring	2	NSS	55	HCM243009	Heli Coil	24	
6	SBP110	O-ring	2	NSS	56A	E205T-CS	Tool-CS Type	1	
7	SBP048	O-ring	2	NSS	56B	E205T-MF	Tool-MF Type	1	
8	FP4FS24N	Flange Plug	2		56C	E205T-H	Tool-H Type	1	
9	SFCFS24N-AY	Split Flange Clamp Assy	2		56D	E205T-B	Tool-B Type	1	
10	SBM307012	Socket Bolt	8		57	09500FFCS-1	Front Cover	1	
11	SBM247012	Socket Bolt	10		58	09500FRB	Ring Bush	1	
12	HCM303509	Heli Coil	8		59	SPBF20A	Socket Plug	2	
13	10000TBHN-A1	Through Bolt Hex. Nut	4	NSS	60	E210SP	Stop Pin	2	
14	E220BW-A1	Through Bolt Washer	4	NSS	61	SBP145	O-ring	1	NSS
15	E205TB-Z1	Through Bolt	4	NSS	62	S4BP145	Back-up Ring	1	NSS
16	09000TBRN-D2	Through Bolt Rd. Nut	4	NSS	63	10000AHN-A	Acc. Holder Nut	1	NSS
17	SBG300	O-ring	1	NSS	64	E205AB-3	Acc. Body	1	NSS
18	S0RI250	O-ring	2	NSS	65	10000AHD-A	Acc. Holder D	1	NSS
19	SP2643	Spring Pin	2		66	10000AHC-A	Acc. Holder C	1	NSS
20	SCG200	Gas Seal	1	NSS	67	10000AHB-A	Acc. Holder B	1	NSS
21	SCS200	Step Seal	3	NSS	68	10000AHA-A	Acc. Holder A	1	NSS
22	E205SR-2	Upper part of Assembled Seal Retainer	1		69	SBM278012	Socket Bolt	16	
23	SBP048A	O-ring	4	NSS	70	10000AHKP	Acc. Holder Knock Pin	1	NSS
24	E205CB	Connecting Bush	2	NSS	71	10000AHBT-A	Acc. Holder Bolt	1	NSS
25	SPBF08	Socket Plug	3		72	10000AD	Acc. Diaphragm	1	
26	SBP018	O-ring	3	NSS	73	E210AC	Acc. Cover	1	
27	E205CY-A2	Cylinder	1		74	SBP005	O-ring	1	NSS
28	SPBF04	Socket Plug	3		75	02000ACVC	Acc. Charging Valve Cover	1	
29	E205P-2	Piston	1		76	02000ACV	Acc. Charging Valve	1	
30	SCUP205A	U-Packing	2	NSS	77	02000AHP	Acc. Hex. Plug	1	
31	SP3060	Spring Pin	2		78	SBP011	O-ring	1	NSS
32	SCD205A	Dust Seal	1	NSS	79	SBP014	O-ring	1	NSS
33	SBM248012	Socket Bolt	8		80	ACVBF14-1	Air Check Valve	1	
34	SBG135	O-ring	1	NSS	81	SPBT08	Socket Plug	1	
35	E215VC	Valve Cover	1	NSS	82	RP30	Rubber Plug	2	
36	SBG060	O-ring	2	NSS	83	E210FCP	Front Cover Pin	2	
37	ST3P110	Back-up Ring	1	NSS	84	SPBT04	Socket Plug	1	
38	SBP110	O-ring	1	NSS	85	GNBT04	Grease Nipple	1	
39	E205VS	Valve Sleeve	1	NSS	86	09000RP	Rod Pin	2	
40	E205V	Valve	1	NSS	87	E205FH-V2H4	Front Head	1	
41	E205VH	Valve Housing	1	NSS	100	E205S-A2	Seal Kit	1	Assembly
42	09000KP	Knock Pin	4	NSS	101	E205SV-AY	Valve Assy	1	
43	10000VA	Valve Adjuster	1		102	E205A-AY	Acc. Assy	1	
44	SBG035	O-ring	1	NSS	103	E205TB-Z1-AY	Through Bolt Assy	4	
45	10000VAHN	Valve Adjuster Nut	1		104	E210TLB-S-ST	Toolbox-ST	1	
46	SBM308012	Socket Bolt	6		105	E205BH-A1-AY	Back Head Assy	1	
47	HPBF20	Hex. Plug	1		106	E205CY-A2-AY	Cylinder Assy	1	
48	SBP040	O-ring	1	NSS	107	E205FH-V2H4-AY	Front Head Assy	1	
49	SFSM57	O-ring	2	NSS	108	E205AB-AY	Acc. Body Assy	1	
50	SBG070	O-ring	1	NSS					

EDDIE205T



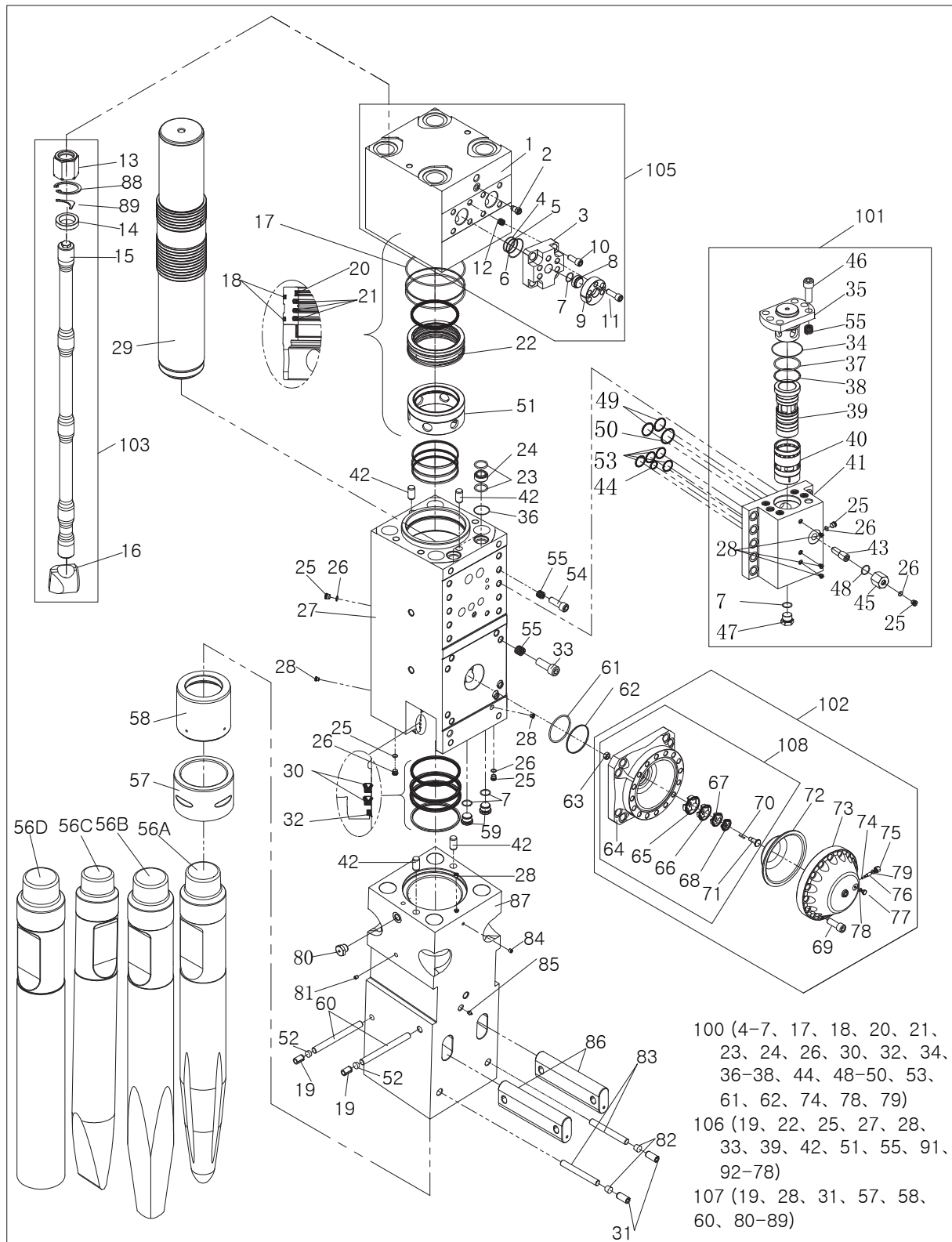
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E205F-T	Frame	1	
2	E205SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	HBM42190	Hex bolt	12	
4	W42	Washer	24	
5	HNM42	Hex.Nut	24	
6	E205MC-T	Mount Cap	1	
7	E205MP	Mount Pin	2	
8	E205MPR	Mount Pin Ring	2	
9	E205MPS	Mount Pin Stopper	2	
10	E205MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE205S



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E205F-S	Frame	1	
2	E205SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	E205CPL	Clamping Plate	2	
4	E205GP	Guide Plate	2	
5	E205MP	Mount Pin	2	
6	E205MPR	Mount Pin Ring	2	
7	E205MPS	Mount Pin Stopper	2	
8	E205MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

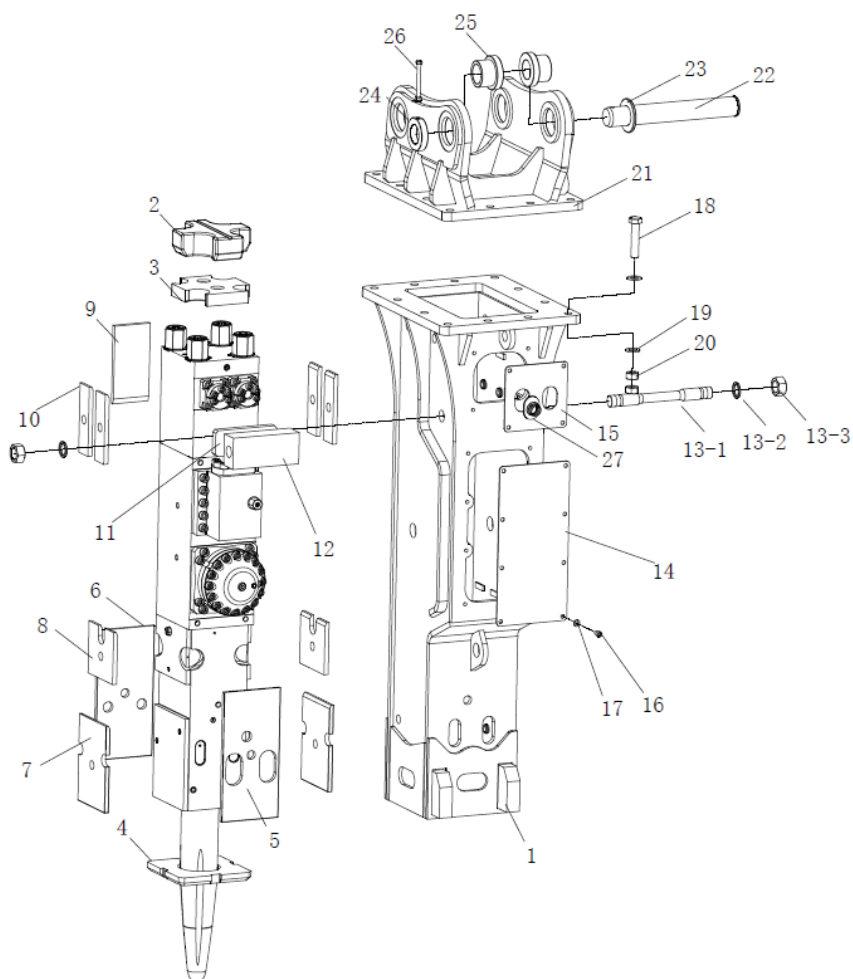
EDDIE205-B MAIN BODY PARTS



EDDIE205-B MAIN BODY PARTS LIST

NO.	PART NO.	PART NAME	QTY	REMARKS	NO.	PART NO.	PART NAME	QTY	REMARKS
1	E205BH-G2	Back Head	1		52	RP26A	Rubber Plug	2	
2	BHCVBF08	B/H Charging Valve	1		53	SBG050	O-ring	4	NSS
3	10000PFA	Flange Adapter	2		54	SBM249012	Socket Bolt	10	
4	SBP080	O-ring	2	NSS	55	HCM243009	Heli Coil	24	
5	ST3P080A	Back-up Ring	2	NSS	56A	E205T-CS	Tool-CS Type	1	
6	SBP110	O-ring	2	NSS	56B	E205T-MF	Tool-MF Type	1	
7	SBP048	O-ring	2	NSS	56C	E205T-H	Tool-H Type	1	
8	FP4FS24N	Flange Plug	2		56D	E205T-B	Tool-B Type	1	
9	SFCFS24N-AY	Split Flange Clamp Assy	2		57	09500FFCS-1	Front Cover	1	
10	SBM307012	Socket Bolt	8		58	09500FRB	Ring Bush	1	
11	SBM247012	Socket Bolt	12		59	SPBF20A	Socket Plug	2	
12	HCM303509	Heli Coil	8		60	E210SP	Stop Pin	2	
13	E200ETBHN-G2	Through Bolt Hex. Nut	4	NSS	61	SBP145	O-ring	1	NSS
14	E200ETBW-G2	Through Bolt Washer	4	NSS	62	S4BP145	Back-up Ring	1	NSS
15	E205TB-Z1	Through Bolt	4	NSS	63	10000AHN-A	Acc. Holder Nut	1	NSS
16	09000TBRN-D2	Through Bolt Rd. Nut	4	NSS	64	E205AB-3-AY	Acc. Body	1	NSS
17	SBG300	O-ring	1	NSS	65	10000AHD-A	Acc. Holder D	1	NSS
18	S0RI250	O-ring	2	NSS	66	10000AHC-A	Acc. Holder C	1	NSS
19	SP2643	Spring Pin	2		67	10000AHB-A	Acc. Holder B	1	NSS
20	SCG200	Gas Seal	1	NSS	68	10000AHA-A	Acc. Holder A	1	NSS
21	SCS200	Step Seal	3	NSS	69	SBM278012	Socket Bolt	16	
22	E205SR-2	Upper part of Assembled Seal Retainer	1		70	10000AHKP	Acc. Holder Knock Pin	1	NSS
23	SBP048A	O-ring	4	NSS	71	10000AHBT-A	Acc. Holder Bolt	1	NSS
24	E205CB	Connecting Bush	2	NSS	72	10000AD	Acc. Diaphragm	1	
25	SPBF08	Socket Plug	3		73	E210AC	Acc. Cover	1	
26	SBP018	O-ring	3	NSS	74	SBP005	O-ring	1	NSS
27	E205CY-A2	Cylinder	1		75	02000ACVC	Acc. Charging Valve Cover	1	
28	SPBF04	Socket Plug	3		76	02000ACV	Acc. Charging Valve	1	
29	E205P-A2	Piston	1		77	02000AHP	Acc. Hex. Plug	1	
30	SCUP205A	U-Packing	2	NSS	78	SBP011	O-ring	1	NSS
31	SP3060	Spring Pin	2		79	SBP014	O-ring	1	NSS
32	SCD205A	Dust Seal	1	NSS	80	ACVBF14-1	Air Check Valve	1	
33	SBM248012	Socket Bolt	8		81	SPBT08	Socket Plug	1	
34	SBG135	O-ring	1	NSS	82	RP30	Rubber Plug	2	
35	E215VC	Valve Cover	1	NSS	83	E210FCP	Front Cover Pin	2	
36	SBG060	O-ring	2	NSS	84	SPBT04	Socket Plug	1	
37	ST3P110	Back-up Ring	1	NSS	85	GNBT04	Grease Nipple	1	
38	SBP110	O-ring	1	NSS	86	09000RP	Rod Pin	2	
39	E205VS	Valve Sleeve	1	NSS	87	E205FH-V2	Front Head	1	
40	E205V	Valve	1	NSS	88	SRS120	Snap Ring- Shaft	4	
41	E205VH	Valve Housing	1	NSS	89	09000FNCG	Clip-On Gasket	4	
42	09000KP	Knock Pin	4	NSS	100	E205S-A2	Seal Kit	1	Assembly
43	10000VA	Valve Adjuster	1		101	E205SV-AY	Valve Assy	1	
44	SBG035	O-ring	1	NSS	102	E205A-AY	Acc. Assy	1	
45	10000VAHN	Valve Adjuster Nut	1		103	E205TB-Z1-AY	Through Bolt Assy	4	
46	SBM308012	Socket Bolt	6		104	E210TLB-S-ST	Toolbox-ST	1	
47	HPBF20	Hex. Plug	1		105	E205BH-G2-AY	Back Head Assy	1	
48	SBP040	O-ring	1	NSS	106	E205CY-A2-AY	Cylinder Assy	1	
49	SFSM57	O-ring	2	NSS	107	E205FH-V2H4-AY	Front Head Assy	1	
50	SBG070	O-ring	1	NSS	108	E205AB-AY	Acc. Body Assy	1	
51	E205LASR-2	Lower part of Assembled Seal Retainer	1						

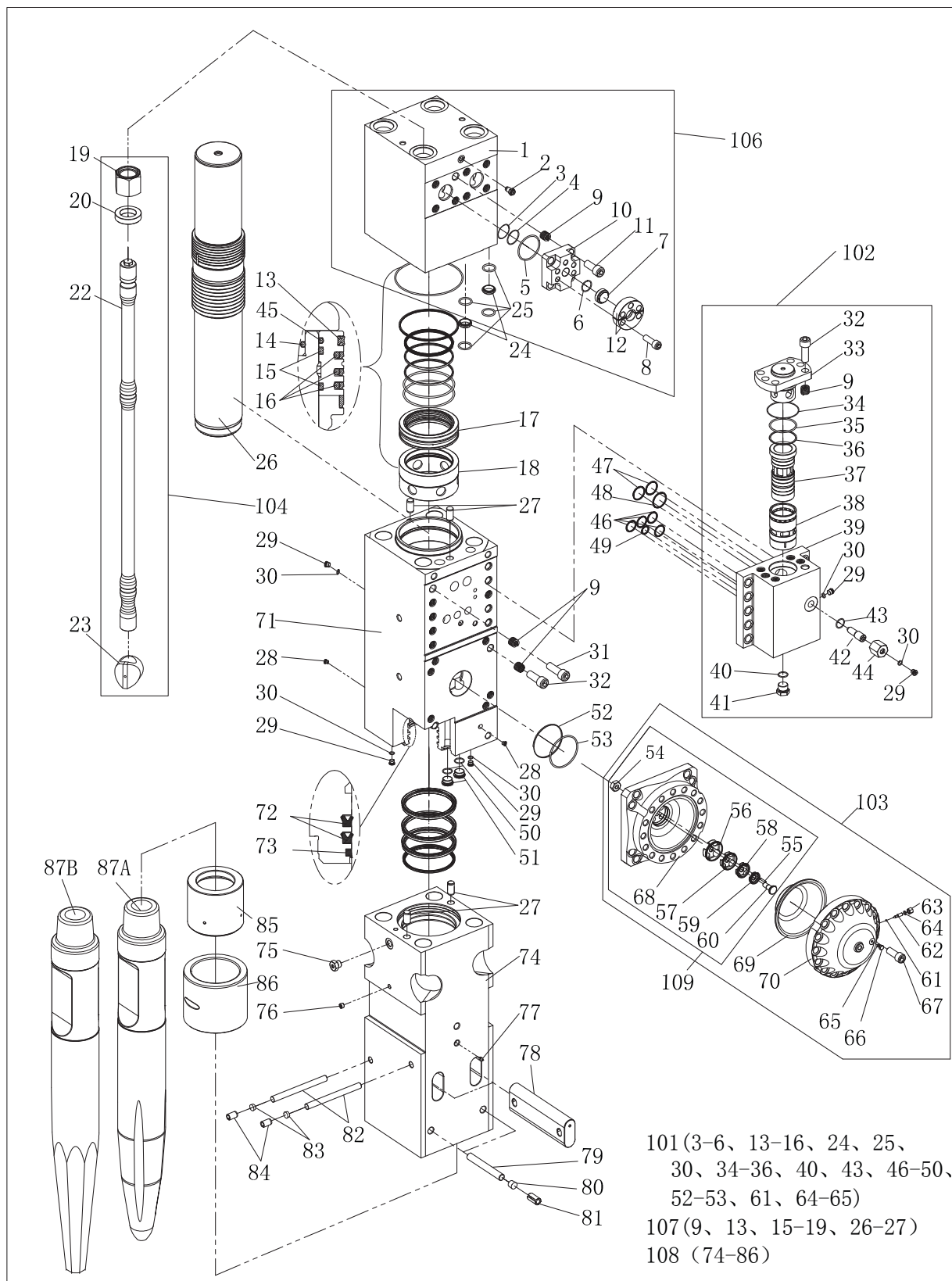
EDDIE205B



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E205F-B20	Frame	1	
2	E205CRDA	Cross Damper A	1	
3	E205CRDB	Cross Damper B	1	
4	E205BLD	Below Damper	1	
5	E205SDA	Side Damper A	1	
6	E205SDB	Side Damper B	1	
7	E205SDC	Side Damper C	2	
8	E205SDG	Side Damper G	2	
9	E205SDD	Side Damper D	1	
10	E205SDE	Side Damper E	4	
11	E205SDF	Side Damper F	1	
12	E205TB-B	Tie Bush	1	
13	E205SB-BAY	Side Bolt Assy	1	12-1/12-2/12-3
14	E205CVM	Middle Cover Plate	1	

NO.	PART NO.	PART NAME	Q'TY	REMARKS
15	E205CVB	Behind Cover Plate	1	
16	SBM2030	Socket Bolt	12	
17	F20	Washer	12	
18	HBM42190	Hex. Bolt	12	
19	W42	Washer	24	
20	HNM42	Hex. Nut	24	
21	E205MC-B	Mount Cap	1	
22	E205MP	Mount Pin	2	
23	E205MPR	Mount Pin Ring	2	
24	E205MPS	Mount Pin Stopper	2	
25	E205MPB	Mount Pin Bush	4	
26	HBWH-AY	Hex bolt With Hole Assy	2	
27	HOB1-1/2	Hose Bush	2	

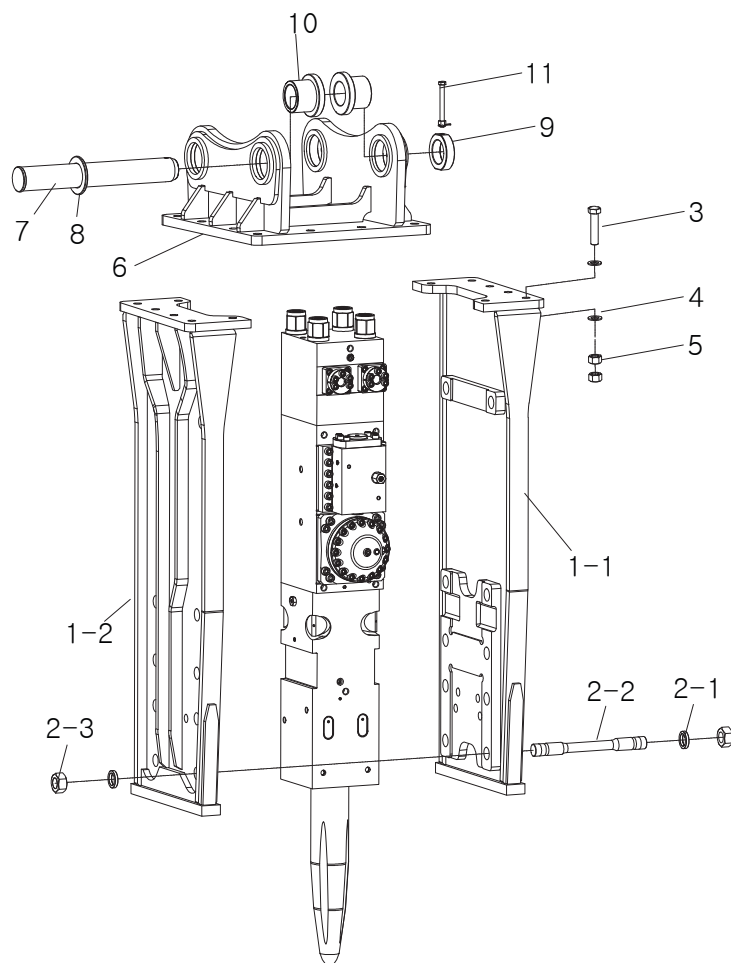
EDDIE210—T/S MAIN BODY PARTS



EDDIE210—T/S MAIN BODY PARTS LIST

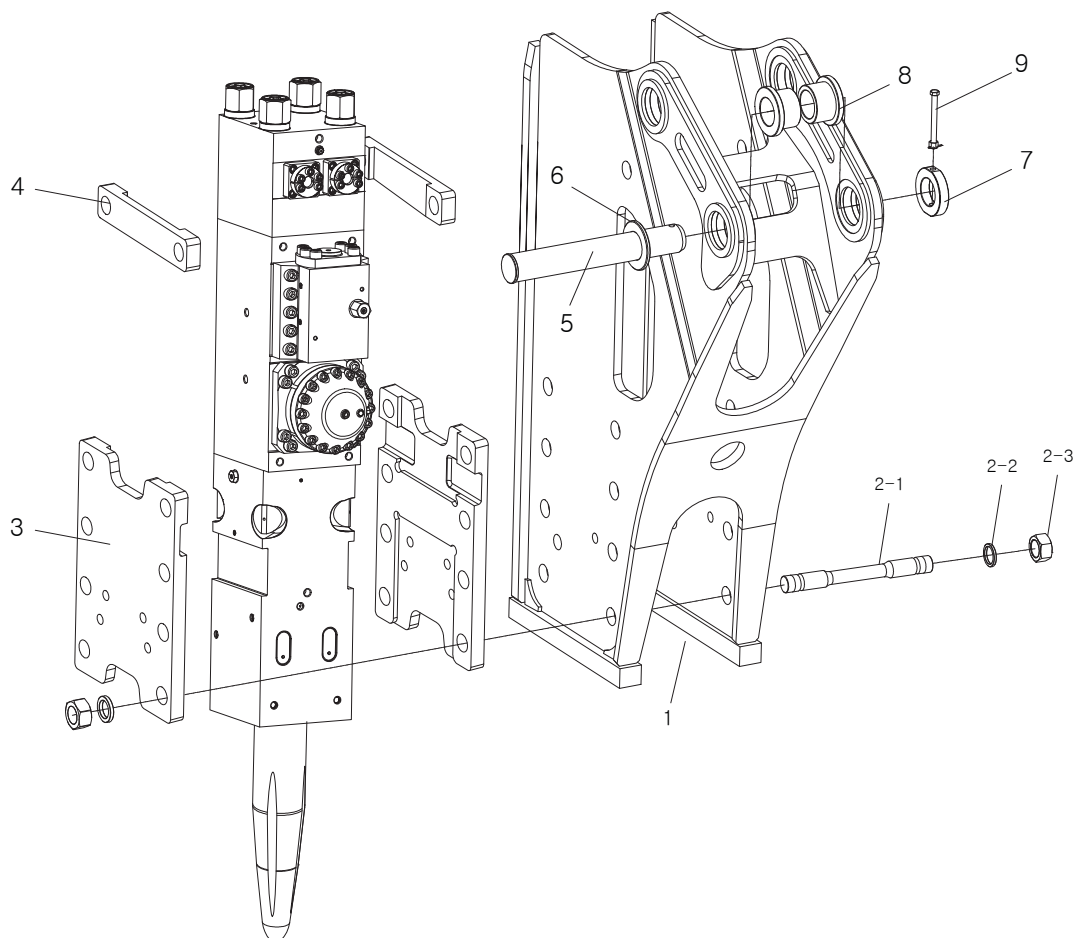
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E210BH-A1	Back Head	1		55	10000AHKP	Acc. Holder Knock Pin	1	NSS
2	BHCVBF08	B/H Charging Valve	1		56	10000AHD	Acc. Holder D	1	NSS
3	SBP080	O-ring	2	NSS	57	10000AHC	Acc. Holder C	1	NSS
4	ST3P080A	Back-up Ring	2	NSS	58	10000AHB	Acc. Holder B	1	NSS
5	SBP110	O-ring	2	NSS	59	10000AHA	Acc. Holder A	1	NSS
6	SBP048	O-ring	2	NSS	60	10000AHBT	Acc. Holder Bolt	1	NSS
7	FP4FS24N	Flange Plug	2		61	SBP005	O-ring	1	NSS
8	SBM247012	Socket Bolt	10		62	02000ACV	Acc. Charging Valve	1	
9	HCM303509	Heli Coil	32		63	02000ACVC	Acc. Charging Valve Cover	1	
10	10000PFA	Flange Adapter	2		64	SBP014	O-ring	1	NSS
11	SBM307012	Socket Bolt	8		65	SBP011	O-ring	1	NSS
12	SFCFS24N-AY	Split Flange Clamp Assy	2		66	02000AHP	Acc. Hex. Plug	1	
13	SCG205	Gas Seal	1	NSS	67	SBM278012	Socket Bolt	16	
14	SBG290	O-ring	1	NSS	68	E210AB	Acc. Body	1	NSS
15	SORI250	O-ring	1	NSS	69	10000AD	Acc. Diaphragm	1	
16	SCS205	Step Seal	2	NSS	70	E210AC	Acc. Cover	1	
17	E210SR-V9-2	Seal Retainer	1		71	E210CY-A2	Cylinder	1	
18	E210SS-V9-2	Support Sleeve	1		72	SCUPT210-B	U-Packing	3	NSS
19	10000TBHN-A1	Through Bolt Hex. Nut	4	NSS	73	SCDT210-LB	Dust Seal	1	NSS
20	E220BW-A1	Through Bolt Washer	4	NSS	74	E210FH-V7	Front Head	1	
22	E210TB-V1	Through Bolt	4	NSS	75	ACVBF14-1	Air Check Valve Core	1	
23	09000TBRN-D2	Through Bolt Rd. Nut	4	NSS	76	SPBT08	Socket Plug	1	
24	10000ACB	Connecting Bush	2	NSS	77	GNBT04	Grease Nipple	1	
25	SBP048A	O-ring	4	NSS	78	E210RP	Rod Pin	2	
26	E210P-F	Piston	1		79	E210FCP	Front Cover Pin	2	
27	09000KP	Knock Pin	4		80	RP30	Rubber Plug	2	
28	SPBF04	Socket Plug	7		81	SP3060	Spring Pin	2	
29	SPBF08	Socket Plug	5		82	E210SP	Stop Pin	2	
30	SBP018	O-ring	5	NSS	83	RP26A	Rubber Plug	2	
31	SBM309012	Socket Bolt	10		84	SP2643	Spring Pin	2	
32	SBM308012	Socket Bolt	14		85	E210RB-X	Ring Bush	1	
33	10000AVC	Valve Cover	1		86	E210FCS-X	Front Cover	1	
34	SBG135	O-ring	1	NSS	87A	E210T-X3-CS	Tool-CS Type	1	
35	ST3P110	Back-up Ring	1	NSS	87B	E210T-X3-MF	Tool-MF Type	1	
36	SBP110	O-ring	1	NSS	101	E210S	Seal Kit	1	Assembly
37	E215V-T9-1	Valve Sleeve	1		102	E210V-AY	Valve Assy	1	
38	E210VS-T9-1c	Valve	1		103	E210A-AY	Acc. Assy	1	
39	E210VH-T9-1	Vakve Housing	1		104	E210TB-AY	Through Bolt Assy	4	
40	SBP038	O-ring	1	NSS	105	E210TLB-S-ST	Toolbox-ST	1	
41	HPBF20	Hex. Plug	1		106	E210BH-AY	Back Head Assy	1	
42	10000VA	Valve Adjuster	1		107	E210CYAY	Cylinder Assy	1	
43	SBP040	O-ring	1	NSS	108	E210FH-AY	Front Head Assy	1	
44	10000VAHN	Valve Adjuster Nut	1		109	E210AB-AY	Acc. Body Assy	1	
45	SBG250	O-ring	1	NSS	101	E210S-SR-C	Seal Kit	1	
46	SBG050	O-ring	4	NSS	102	E210BH-N-AY	Back Head Assy	1	
47	SFSM57	O-ring	2	NSS	103	E210CY-AY	Cylinder Assy	1	
48	SBG070	O-ring	1	NSS	104	E210V-A-AY	Valve Assy	1	
49	SBG035	O-ring	1	NSS	105	E210FH-D1-AY	Front Head Assy	1	
50	SBP038	O-ring	2	NSS	106	E210A-AY	Acc. Assy	1	
51	SPBF20A	Socket Plug	2		107	E210AB-AY	Acc. Body Assy	1	
52	S4BP145	Back-up Ring	1	NSS	108	E210TB-N-AY	Through Bolt Assy	4	
53	SBP145	O-ring	1	NSS	109	E210TLB-ST	Tool Box	1	
54	10000AHN	Acc. Holder Nut	1	NSS					

EDDIE210T



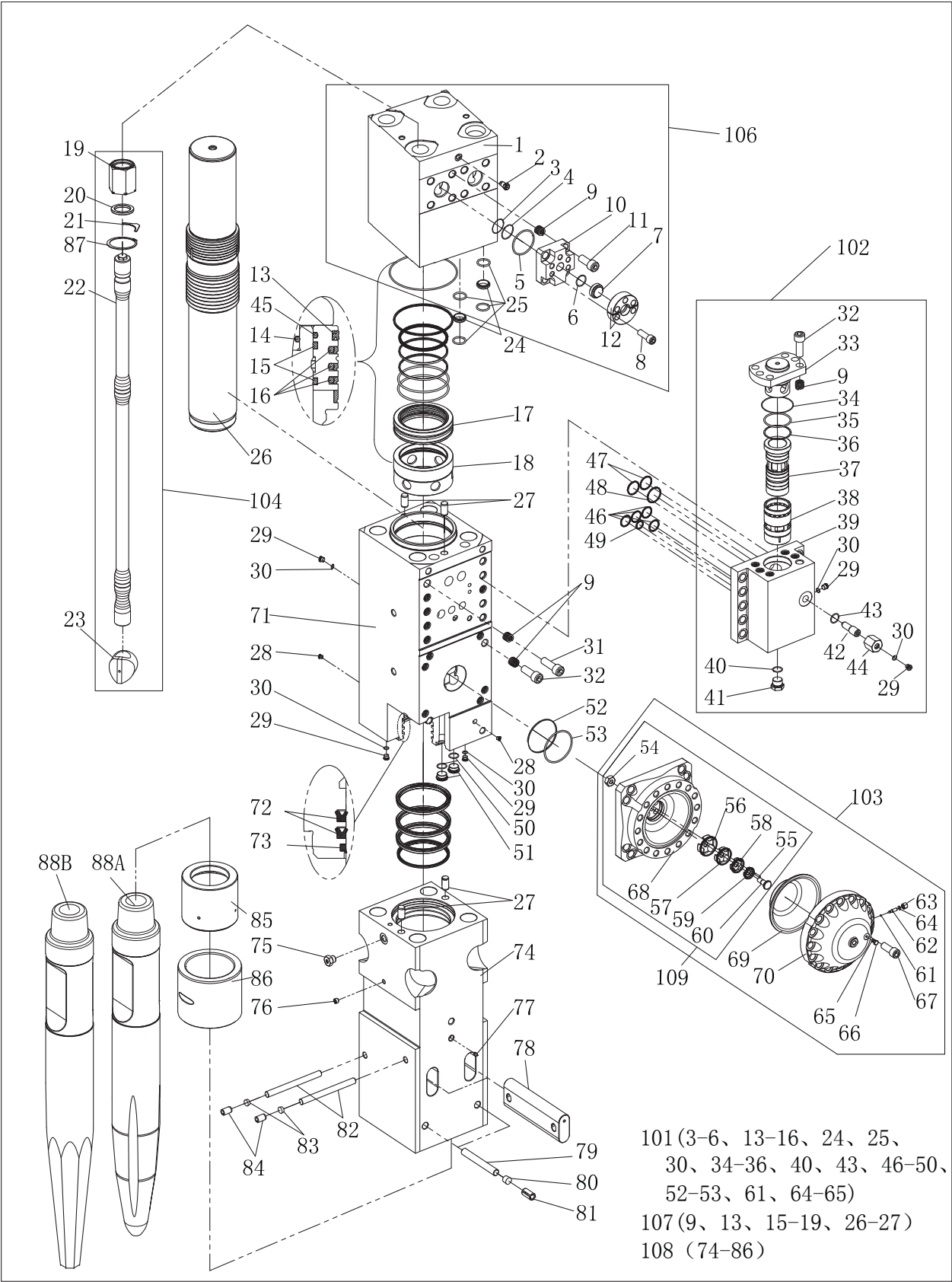
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E210F-T	Frame	1	
2	E210SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	HBM42190	Hex bolt	12	
4	W42	Washer	24	
5	HNM42	Hex.Nut	24	
6	E210MC-T	Mount Cap	1	
7	E210MP	Mount Pin	2	
8	E210MPR	Mount Pin Ring	2	
9	E210MPS	Mount Pin Stopper	2	
10	E210MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE210S



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E210F-S	Frame	1	
2	E210SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	E210CPL	Clamping Plate	2	
4	E210GP	Guide Plate	2	
5	E210MP	Mount Pin	2	
6	E210MPR	Mount Pin Ring	2	
7	E210MPS	Mount Pin Stopper	2	
8	E210MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

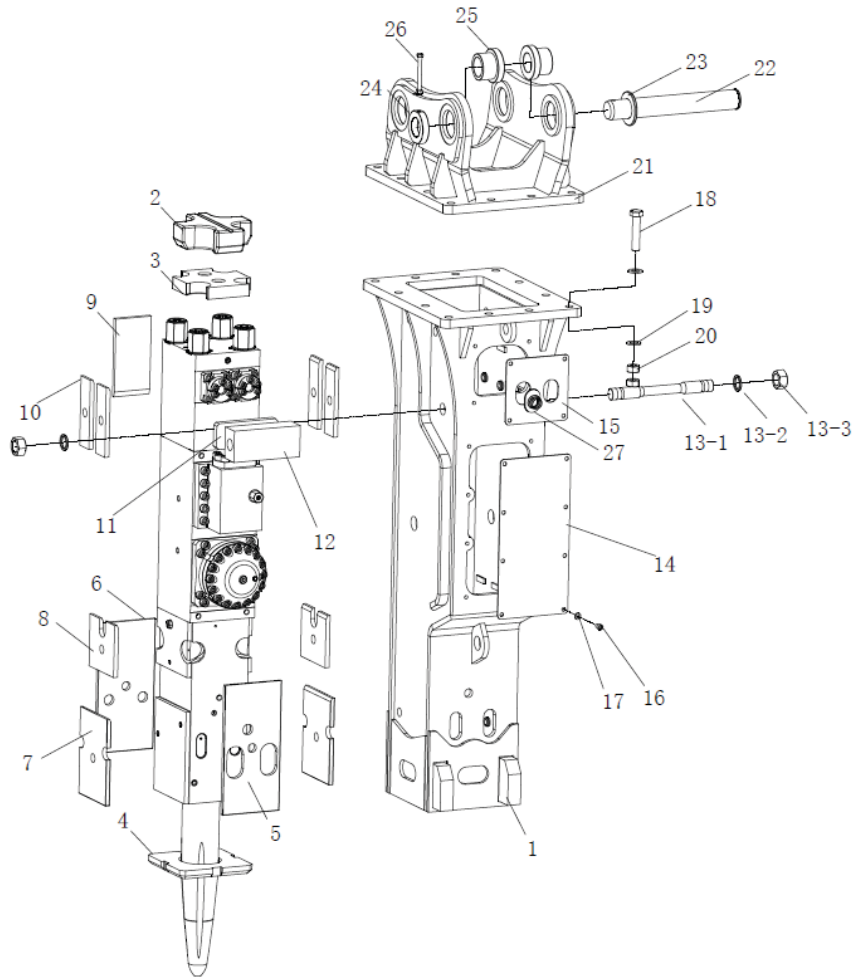
EDDIE210—B MAIN BODY PARTS



EDDIE210—B MAIN BODY PARTS LIST

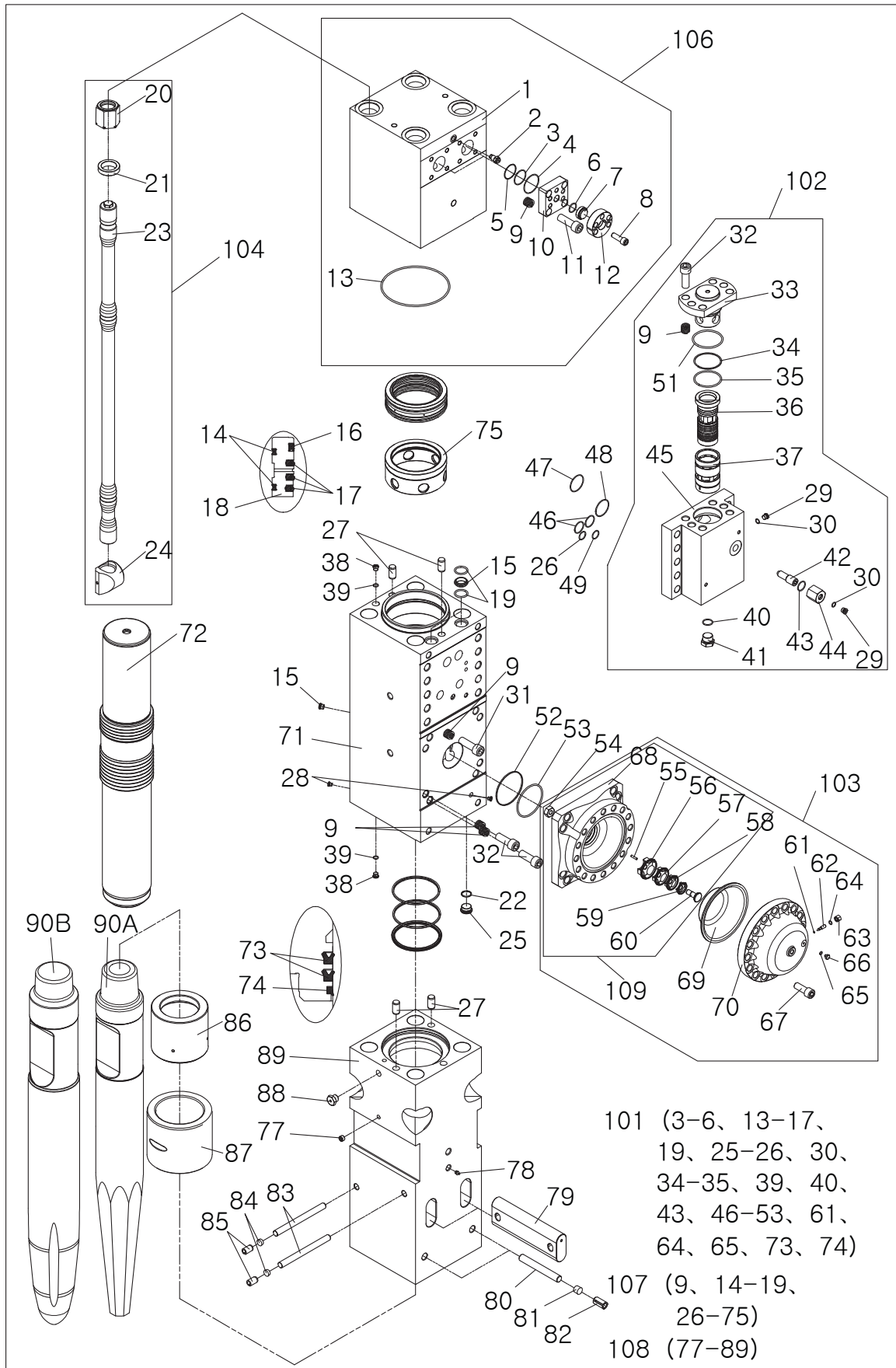
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E210BH-G	Back Head	1		54	10000AHN	Acc. Holder Nut	1	NSS
2	BHCVBFO8	B/H Charging Valve	1		55	10000AHKP	Acc. Holder Knock Pin	1	NSS
3	SBP080	O-ring	2	NSS	56	10000AHD	Acc. Holder D	1	NSS
4	ST3P080A	Back-up Ring	2	NSS	57	10000AHC	Acc. Holder C	1	NSS
5	SBP110	O-ring	2	NSS	58	10000AHB	Acc. Holder B	1	NSS
6	SBP048	O-ring	2	NSS	59	10000AHA	Acc. Holder A	1	NSS
7	FP4FS24N	Flange Plug	2		60	10000AHBT	Acc. Holder Bolt	1	NSS
8	SBM247012	Socket Bolt	10		61	SBP005	O-ring	1	NSS
9	HCM303509	Heli Coil	32		62	02000ACV	Acc. Charging Valve	1	
10	10000PFA	Flange Adapter	2		63	02000ACVC	Acc. Charging Valve Cover	1	
11	SBM307012	Socket Bolt	8		64	SBP014	O-ring	1	NSS
12	SFCFS24N-AY	Split Flange Clamp Assy	2		65	SBP011	O-ring	1	NSS
13	SCG205	Gas Seal	1	NSS	66	02000AHP	Acc. Hex. Plug	1	
14	SBG290	O-ring	1	NSS	67	SBM278012	Socket Bolt	16	
15	SORI250	O-ring	1	NSS	68	E210AB	Acc. Body	1	NSS
16	SCS205	Step Seal	2	NSS	69	10000AD	Acc. Diaphragm	1	
17	E210SR-V10-1	Seal Retainer	1		70	E210AC	Acc. Cover	1	
18	E210SS-V10	Support Sleeve	1		71	E210CY-A2	Cylinder	1	
19	E200ETBHN-G2	Through Bolt Hex. Nut	4	NSS	72	SCUPT210-B	U-Packing	2	NSS
20	E200ETBW-G2	Through Bolt Washer	4	NSS	73	SCDT210-LB	Dust Seal	1	NSS
21	09000FNCG	Hexagon Nut Clip-On Gasket	4	NSS	74	E210FH-V9H10	Front Head	1	
22	E210TB-Z1	Through Bolt	4	NSS	75	ACVBF14-1	Air Check Valve Core	1	
23	09000TBRN-D2	Through Bolt Rd. Nut	4	NSS	76	SPBT08	Socket Plug	1	
24	10000ACB	Connecting Bush	2	NSS	77	GNBT04	Grease Nipple	1	
25	SBP048A	O-ring	4	NSS	78	E210RP	Rod Pin	2	
26	E210P-F	Piston	1		79	E210FCP	Front Cover Pin	2	
27	09000KP	Knock Pin	4		80	RP30	Rubber Plug	2	
28	SPBF04	Socket Plug	7		81	SP3060	Spring Pin	2	
29	SPBF08	Socket Plug	5		82	E210SP	Stop Pin	2	
30	SBP018	O-ring	5	NSS	83	RP26A	Rubber Plug	2	
31	SBM309012	Socket Bolt	10		84	SP2643	Spring Pin	2	
32	SBM308012	Socket Bolt	14		85	E210RB-X	Ring Bush	1	
33	10000AVC	Valve Cover	1		86	E210FCS-X	Front Cover	1	
34	SBG135	O-ring	1	NSS	87	SRS120	Snap Ring	4	NSS
35	ST3P110	Back-up Ring	1	NSS	88A	E210T-X3-CS	Tool-CS Type	1	
36	SBP110	O-ring	1	NSS	88B	E210T-X3-MF	Tool-MF Type	1	
37	E210VS-M	Valve Sleeve	1	NSS	101	E210S	Seal Kit	1	Assembly
38	E210V-M7	Valve	1	NSS	102	E210V-AY	Valve Assy	1	
39	E210VH-MnT1	Vakve Housing	1	NSS	103	E210A-AY	Acc. Assy	1	
40	SBP038	O-ring	1	NSS	104	E210TB-AY	Through Bolt Assy	4	
41	HPBF20	Hex. Plug	1		105	E210TLB-S-ST	Toolbox-ST	1	
42	10000VA	Valve Adjuster	1		106	E210BH-AY	Back Head Assy	1	
43	SBP040	O-ring	1	NSS	107	E210CYAY	Cylinder Assy	1	
44	10000VAHN	Valve Adjuster Nut	1		108	E210FH-AY	Front Head Assy	1	
45	SBG250	O-ring	1	NSS	109	E210AB-AY	Acc. Body Assy	1	
46	SBG050	O-ring	4	NSS	102	E210BH-N-AY	Back Head Assy	1	
47	SFSM57	O-ring	2	NSS	103	E210CY-AY	Cylinder Assy	1	
48	SBG070	O-ring	1	NSS	104	E210V-A-AY	Valve Assy	1	
49	SBG035	O-ring	1	NSS	105	E210FH-D1-AY	Front Head Assy	1	
50	SBP038	O-ring	2	NSS	106	E210A-AY	Acc. Assy	1	
51	SPBF24A	Socket Plug	2		107	E210AB-AY	Acc. Body Assy	1	
52	S4BP145	Back-up Ring	1	NSS	108	E210TB-N-AY	Through Bolt Assy	4	
53	SBP145	O-ring	1	NSS	109	E210TLB-ST	Tool Box	1	

EDDIE210B



NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E210F-B20	Frame	1		15	E210CVB	Behind Cover Plate	1	
2	E210CRDA	Cross Damper A	1		16	SBM2030	Socket Bolt	12	
3	E210CRDB	Cross Damper B	1		17	F20	Washer	12	
4	E210BLD	Below Damper	1		18	HBM42190	Hex. Bolt	12	
5	E210SDA	Side Damper A	1		19	W42	Washer	24	
6	E210SDB	Side Damper B	1		20	HNH42	Hex. Nut	24	
7	E210SDC	Side Damper C	2		21	E210MC-B	Mount Cap	1	
8	E210SDG	Side Damper G	2		22	E210MP	Mount Pin	2	
9	E210SDD	Side Damper D	1		23	E210MPR	Mount Pin Ring	2	
10	E210SDE	Side Damper E	4		24	E210MPS	Mount Pin Stopper	2	
11	E210SDF	Side Damper F	1		25	E210MPB	Mount Pin Bush	4	
12	E210TB-B	Tie Bush	1		26	HBWH-AY	Hex bolt With Hole Assy	2	
13	E210SB-BAY	Side Bolt Assy	1	12-1/12-2/12-3	27	HOB1-1/2	Hose Bush	2	
14	E210CVM	Middle Cover Plate	1						

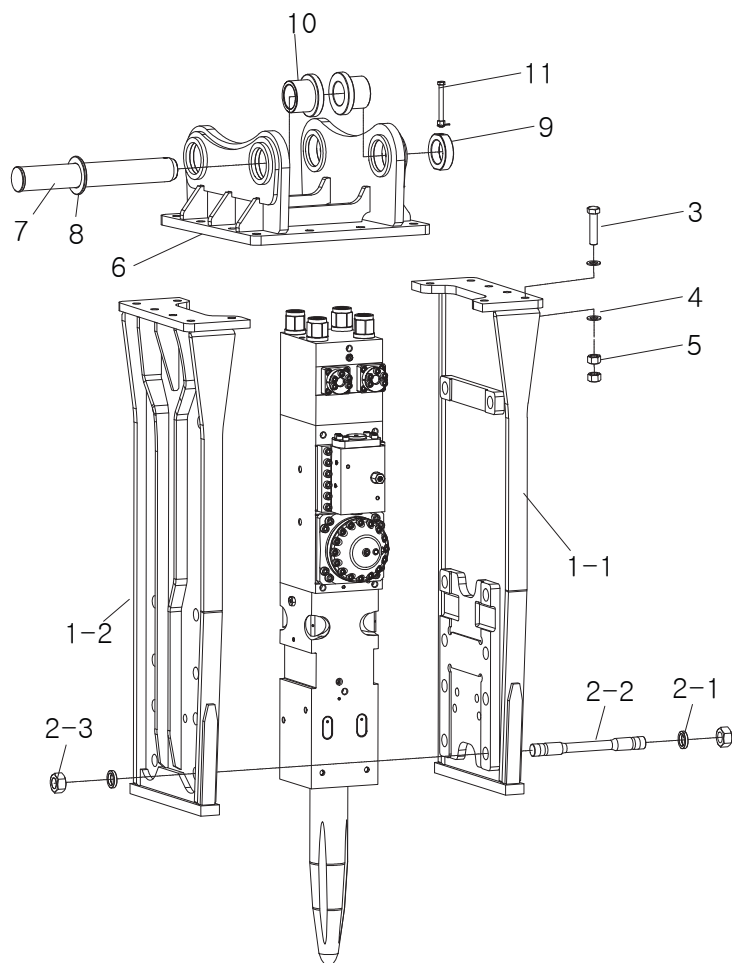
EDDIE215 MAIN BODY PARTS



EDDIE215 MAIN BODY PARTS LIST

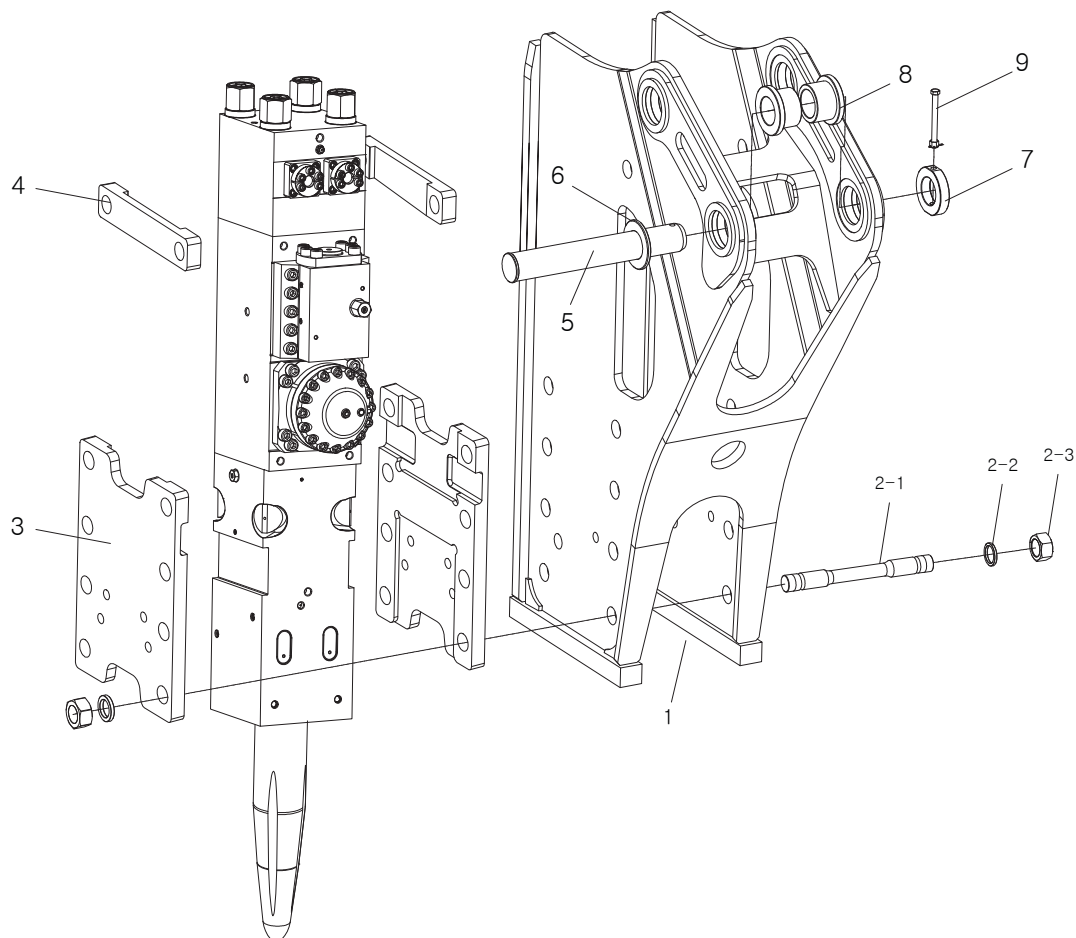
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E215BH-A2	Back Head	1		51	SBG130	O-ring	1	NSS
2	BHCVBF08	B/H Charging Valve	1		52	S4BP145	Back-up Ring	1	NSS
3	SBP080	O-ring	2	NSS	53	SBP145	O-ring	1	NSS
4	SBP110	O-ring	2	NSS	54	10000AHN	Acc. Holder Nut	1	NSS
5	ST3P080A	Back-up Ring	2	NSS	55	10000AHKP	Acc. Holder Knock Pin	1	NSS
6	SBP048	O-ring	2	NSS	56	10000AHD	Acc. Holder D	1	NSS
7	FP4FS24N	Flange Plug	2		57	10000AHC	Acc. Holder C	1	NSS
8	SBM247012	Socket Bolt	10		58	10000AHB	Acc. Holder B	1	NSS
9	HCM303509	Heli Coil	32		59	10000AHA	Acc. Holder A	1	NSS
10	10000PFA	Flange Adapter	2		60	10000AHBT	Acc. Holder Bolt	1	NSS
11	SBM307012	Socket Bolt	8		61	SBP005	O-ring	1	NSS
12	SFCFS24-C	Flange Clamp-AY	2		62	02000ACV	Acc. Charging Valve	1	
13	SBG305	O-ring	1	NSS	63	02000ACVC	Acc. Charging Valve Cover	1	
14	SPPIY265	O-ring	2	NSS	64	SBP014	O-ring	1	NSS
15	E215CB	Connecting Bush	2	NSS	65	SBP011	O-ring	1	NSS
16	SCG208.5	Gas Seal	1	NSS	66	02000AHP	Acc. Hex. Plug	1	
17	SCS208.5	Step Seal	3	NSS	67	SBM278012	Socket Bolt	16	
18	E215SR-T2-3	Seal Retainer	1		68	09500FAB	Acc. Body	1	NSS
19	SBP048A	O-ring	4	NSS	69	10000AD	Acc. Diaphragm	1	
20	10000TBHN-A1	Through Bolt Hex. Nut	4	NSS	70	E210AC	Acc. Cover	1	
21	09000TBW-N	Through Bolt Washer	4	NSS	71	E215CY-A2	Cylinder	1	
22	SBP044	O-ring	1	NSS	72	E215P-B1-1	Piston	1	
23	E215TB-Z1	Through Bolt	4	NSS	73	SCUP215	U-Packing	2	NSS
24	09000TBRN-D2	Through Bolt Rd. Nut	4	NSS	74	SCD215	Dust Seal	1	NSS
25	SPBF24	Socket Plug	1	NSS	75	E215SS-T2-1	Support Sleeve	1	
26	SBG035	O-ring	1	NSS	77	SPBT08	Socket Plug	1	
27	09000KP	Knock Pin	4		78	GNBT04	Greasing Nipple	1	
28	SPBF04	Socket Plug	16		79	10000RP	Rod Pin	1	
29	SPBF08	Socket Plug	5		80	10000PFCP	Front Cover Pin	2	
30	SBP018	O-ring	5	NSS	81	RP30	Pubber Plug	4	
31	SBM309012	Socket Bolt	10		82	SP3060	Spring Pin	4	
32	SBM308012	Socket Bolt	14		83	10000PSP	Stop Pin	1	
33	E215VC	Valve Cover	1		84	RP26A	Pubber Plug	1	
34	ST3P110	Back-up Ring	1	NSS	85	SP2643	Spring Pin	1	
35	SBP110	O-ring	1	NSS	86	10000PRB-A	Ring Bush	1	
36	E215VS-T9-1	Valve Sleeve	1		87	10000PFC-A	Front Cover	1	
37	E215V-T9-1	Valve	1		88	ACVBF14-1	Air Check Valve	1	
38	SPBF12	Socket Plug	2		89	E215FH-B	Front Head	1	
39	SBP22.4	O-ring	2	NSS	90A	10000PT-A2-MF	Tool-MF Type	1	
40	SBP038	O-ring	1	NSS	90B	10000PT-A2-CS	Tool-CS Type	1	
41	HPBF20	Hex. Plug	1		101	E215S-9	Seal Kit	1	Assembly
42	10000VA	Valve Adjuster	1		102	E215V-T9-1-AY	Valve Assy	1	
43	SBP040	O-ring	1	NSS	103	E210A-AY	Acc. Assy	1	
44	10000VAHN	Valve Adjuster Hex. Nut	1		104	E215TB-Z1-AY	Through Bolt Assy	4	
45	E215VH-T9-1	Valve Housing	1		105	10000PTLB-ST	Tool Box	1	
46	SBG065	O-ring	2	NSS	106	E215BH-A2-AY	Back Head Assy	1	
47	SFSM80Pb	Face Seal	1	NSS	107	E215CY-A2-AY	Cylinder Assy	1	
48	SBG075	O-ring	1	NSS	108	E215FH-B-AY	Front Head Assy	1	
49	SBG040	O-ring	1	NSS	109	E210AB-AY	Acc. Body Assy	1	

EDDIE215T



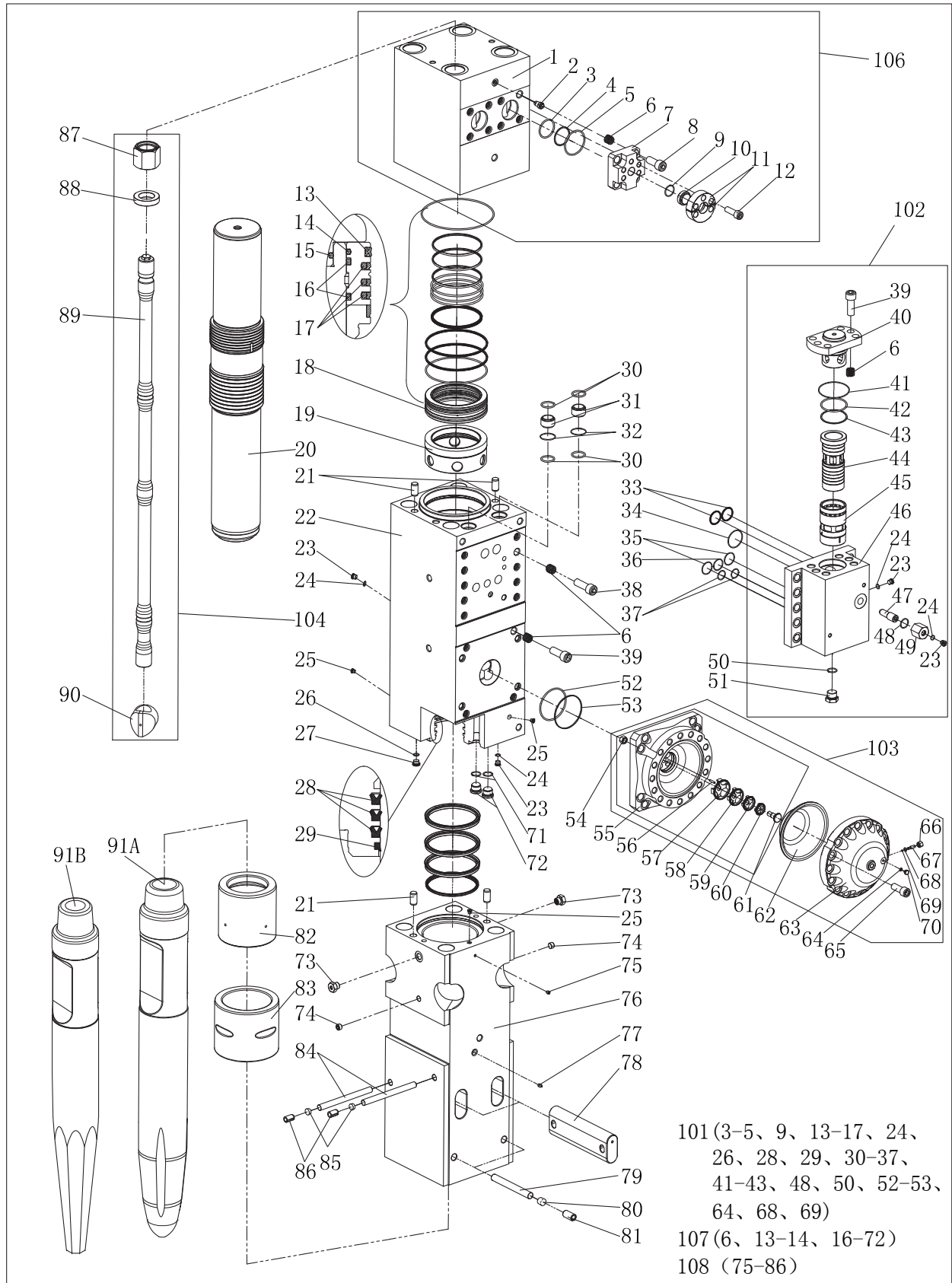
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E215F-T	Frame	1	
2	E215SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	HBM42190	Hex bolt	12	
4	W42	Washer	24	
5	HNM42	Hex.Nut	24	
6	E215MC-T	Mount Cap	1	
7	E215MP	Mount Pin	2	
8	E215MPR	Mount Pin Ring	2	
9	E215MPS	Mount Pin Stopper	2	
10	E215MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE215S



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E215F-S	Frame	1	
2	E215SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	E215CPL	Clamping Plate	2	
4	E215GP	Guide Plate	2	
5	E215MP	Mount Pin	2	
6	E215MPR	Mount Pin Ring	2	
7	E215MPS	Mount Pin Stopper	2	
8	E215MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

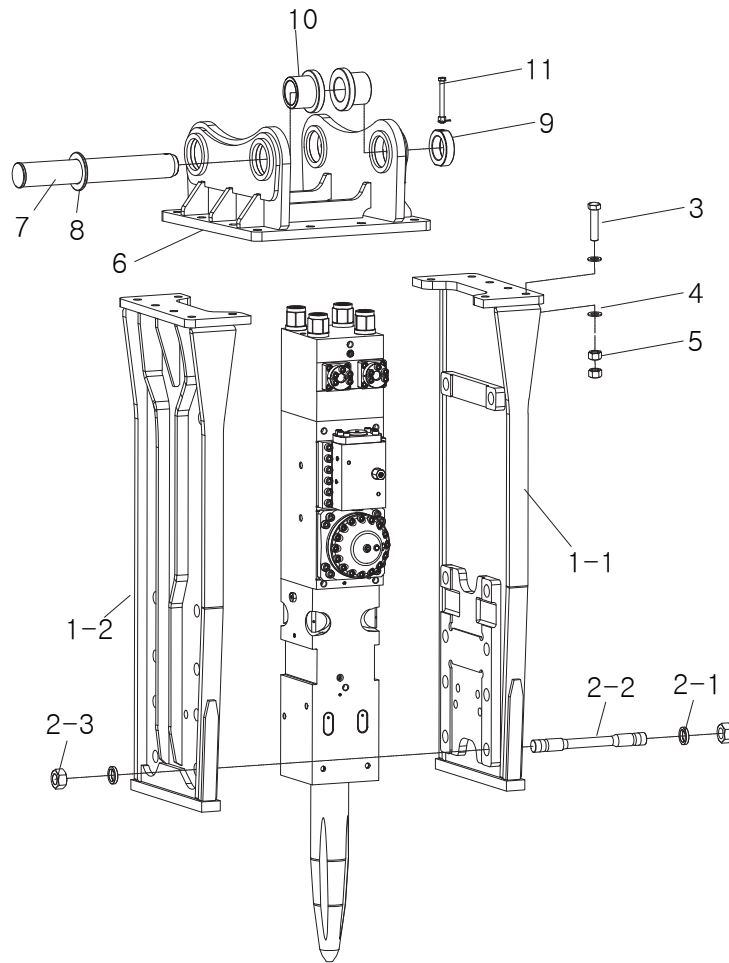
EDDIE220 MAIN BODY PARTS



EDDIE220 MAIN BODY PARTS LIST

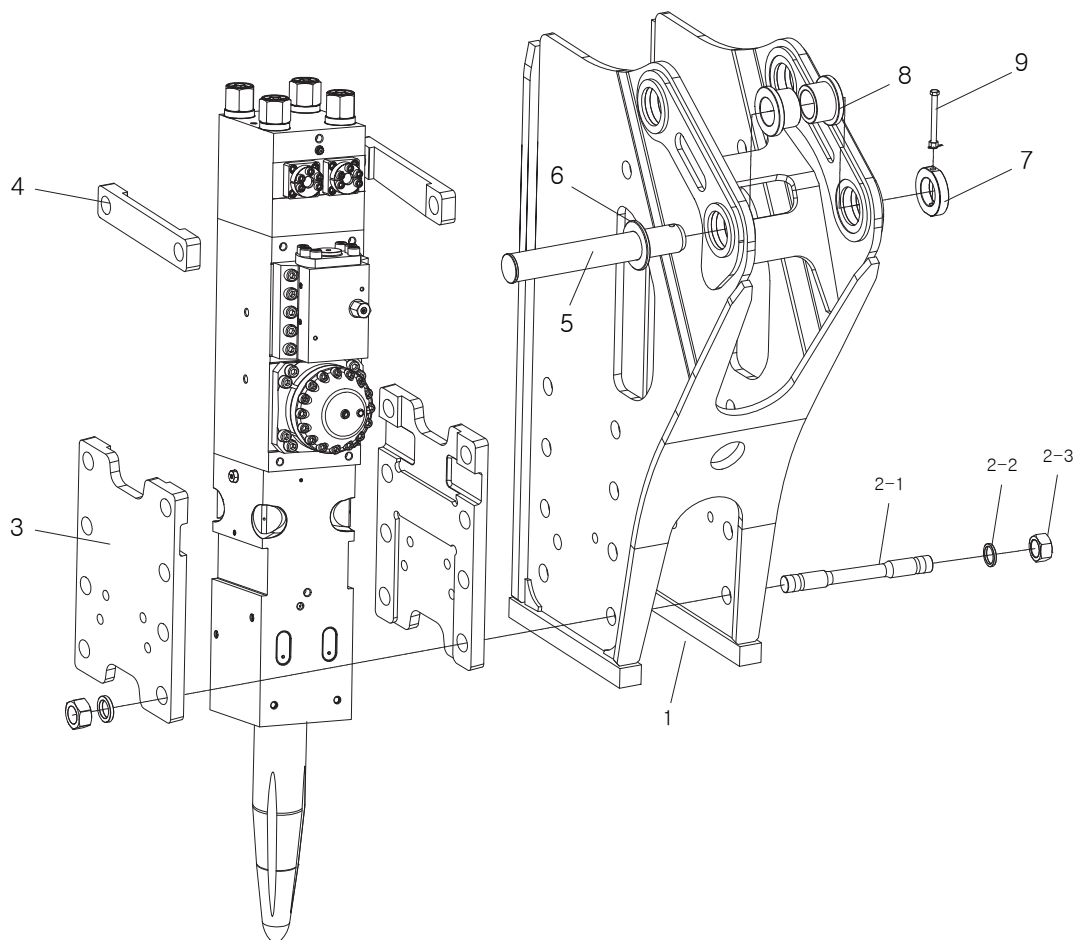
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E220BH-A2	Back Head	1		52	S4BP145	Back-up Ring	1	NSS
2	BHCVBF08	B/H Charging Valve	1		53	SBP145	O-ring	1	NSS
3	SBP080	O-ring	2	NSS	54	10000AHN	Acc. Holder Nut	1	NSS
4	ST3P080A	Back-up Ring	2	NSS	55	09500FAB	Acc. Body	1	NSS
5	SBP110	O-ring	2	NSS	56	10000AHKP	Acc. Holder Knock Pin	1	NSS
6	HCM303509	Heli Coil	32		57	10000AHD	Acc. Holder D	1	NSS
7	10000PFA	Flange Adapter	2		58	10000AHC	Acc. Holder C	1	NSS
8	SBM307012	Socket Bolt	8		59	10000AHB	Acc. Holder B	1	NSS
9	SBP048	O-ring	2	NSS	60	10000AHA	Acc. Holder A	1	NSS
10	FP4FS24N	Flange Plug	2		61	10000AHBT	Acc. Holder Bolt	1	NSS
11	SFCFS24-C	Split Flange Clamp Assy	2		62	10000AD	Acc. Diaphragm	1	
12	SBM247012	Socket Bolt	10		63	09500FAC	Acc. Cover	1	
13	SCG213.5	Gas Seal	1	NSS	64	SBP011	O-ring	1	NSS
14	SBG270	O-ring	1	NSS	65	SBM278012	Socket Bolt	16	
15	SBG320	O-ring	1	NSS	66	02000ACVC	Acc. Charging Valve Cover	1	
16	SORI270	O-ring	2	NSS	67	02000ACV	Acc. Charging Valve	1	
17	SCS213.5	Step Seal	3	NSS	68	SBP014	O-ring	1	NSS
18	E220SR-A3	Seal Retainer	1		69	SBP005	O-ring	1	NSS
19	E220SS-A3	Support Sleeve	1		70	02000AHP	Acc. Hex. Plug	1	
20	E220P-A5	Piston	1		71	SBP038	O-ring	2	NSS
21	09000KP	Knock Pin	4		72	SPBF20A	Socket Plug	2	
22	E220CY-A5	Cylinder	1		73	ACVBF14-1	Air Check Valve Core	2	
23	SPBF08	Socket Plug	4		74	SPBT08	Socket Plug	2	
24	SBP018	O-ring	4	NSS	75	SPBT04	Socket Plug	1	
25	SPBF04	Socket Plug	2		76	E220FH-C	Front Head	1	
26	SBP22.4	O-ring	1	NSS	77	GNBT04	Grease Nipple	1	
27	SPBF12	Socket Plug	1		78	10000RP	Rod Pin	2	
28	SCUPT220-B	U-Packing	3	NSS	79	10000PFCP	Front Cover Pin	2	
29	SCDT220-LB	Dust Seal	1	NSS	80	RP30	Rubber Plug	2	
30	SBP053	O-ring	4	NSS	81	SP3060	Spring Pin	2	
31	09500CB	Connecting Bush	2	NSS	82	E220RB	Ring Bush	1	
32	SBG065	O-ring	2	NSS	83	E220FCS	Front Cover	1	
33	STRC-G60	O-ring	2	NSS	84	E220SP	Stop Pin	2	
34	SBG080	O-ring	1	NSS	85	RP26A	Rubber Plug	2	
35	SBG055	O-ring	2	NSS	86	SP2643	Spring Pin	2	
36	SBG050	O-ring	1	NSS	87	10000TBHN-A1	Through Bolt Hex. Nut	4	NSS
37	SBG040	O-ring	2	NSS	88	09000TBW-N	Through Bolt Washer	4	NSS
38	SBM309012	Socket Bolt	10		89	E220TB-Z1	Through Bolt	4	NSS
39	SBM308012	Socket Bolt	14		90	09000TBRN-D2	Through Bolt Rd. Nut	4	NSS
40	E215VC	Valve Cover	1		91A	E220-CS	Tool-CS Type	1	
41	SBG135	O-ring	1	NSS	91B	E220-MF	Tool-MF Type	1	
42	ST3P110	Back-up Ring	1	NSS	101	E220S	Seal Kit	1	Assembly
43	SBP110	O-ring	1	NSS	102	E220V-C2-AY	Valve Assy	1	
44	E220VS-C5	Valve Sleeve	1		103	E210A-AY	Acc. Assy	1	
45	E220V-C5c	Valve	1		104	E220TB-Z1-AY	Through Bolt Assy	4	
46	E220VH-C2	Valve Housing	1		105	E220TLB-S-ST	Toolbox-ST	1	
47	10000VA	Valve Adjuster	1		106	E220BH-A2-AY	Back Head Assy	1	
48	SBP040	O-ring	1	NSS	107	E220CY-A5-AY	Cylinder Assy	1	
49	10000VAHN	Valve Adjuster Nut	1		108	E220FH-C-AY	Front Head Assy	1	
50	SBP038	O-ring	1	NSS	109	E210AB-AY	Acc. Body Assy	1	
51	HPBF20	Hex. Plug	1						

EDDIE220T



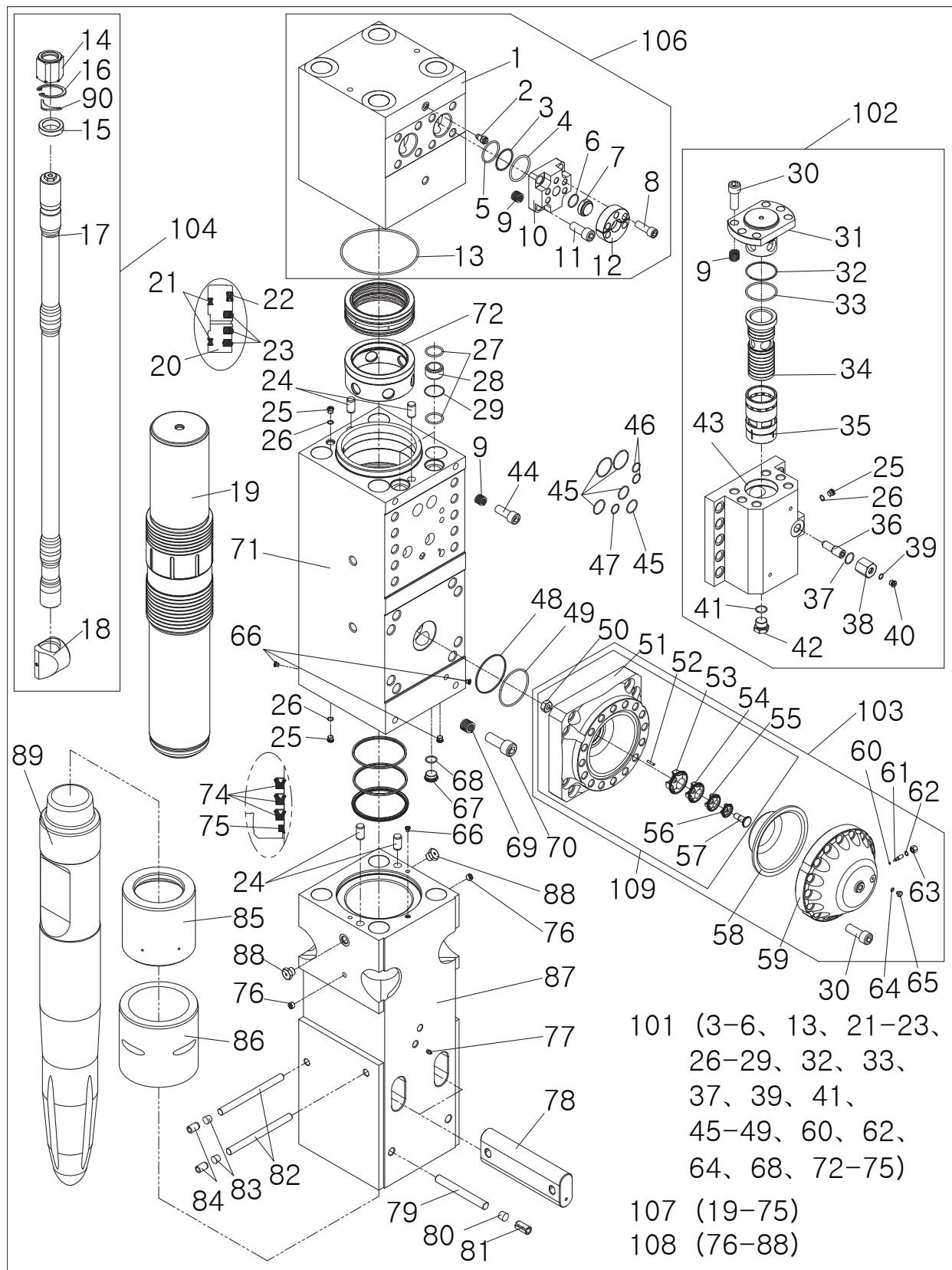
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E220F-T	Frame	1	
2	E220SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	HBM42190	Hex bolt	12	
4	W42	Washer	24	
5	HNM42	Hex.Nut	24	
6	E220MC-T	Mount Cap	1	
7	E220MP	Mount Pin	2	
8	E220MPR	Mount Pin Ring	2	
9	E220MPS	Mount Pin Stopper	2	
10	E220MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE220S



NO.	PART NO.	PART NAME	QTY	REMARKS
1	E220F-S	Frame	1	
2	E220SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	E220CPL	Clamping Plate	2	
4	E220GP	Guide Plate	2	
5	E220MP	Mount Pin	2	
6	E220MPR	Mount Pin Ring	2	
7	E220MPS	Mount Pin Stopper	2	
8	E220MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

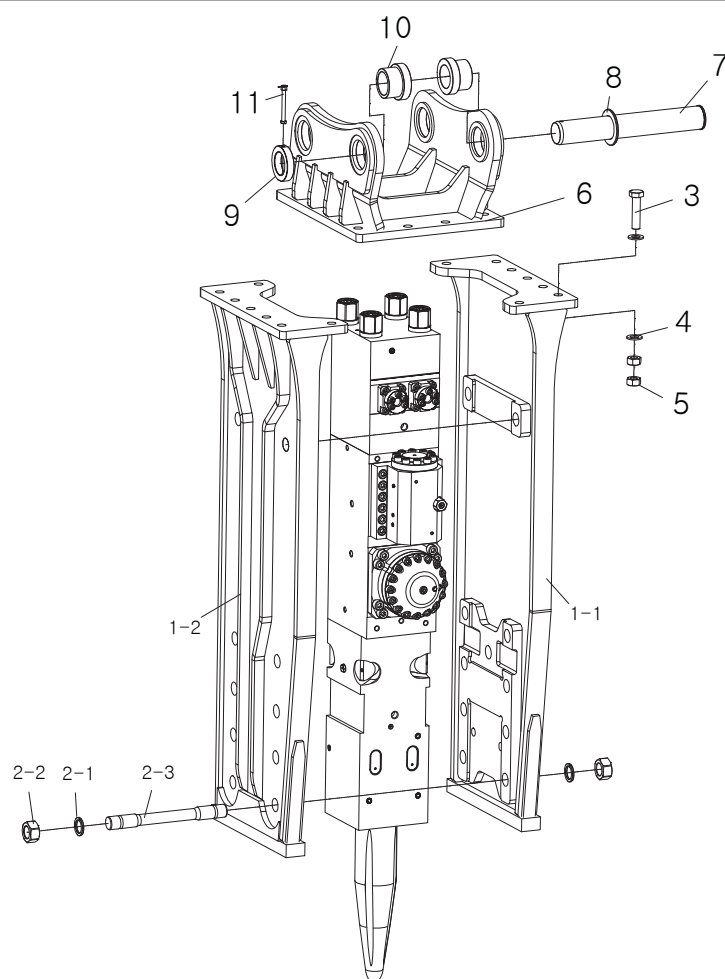
EDDIE230 MAIN BODY PARTS



EDDIE230 MAIN BODY PARTS LIST

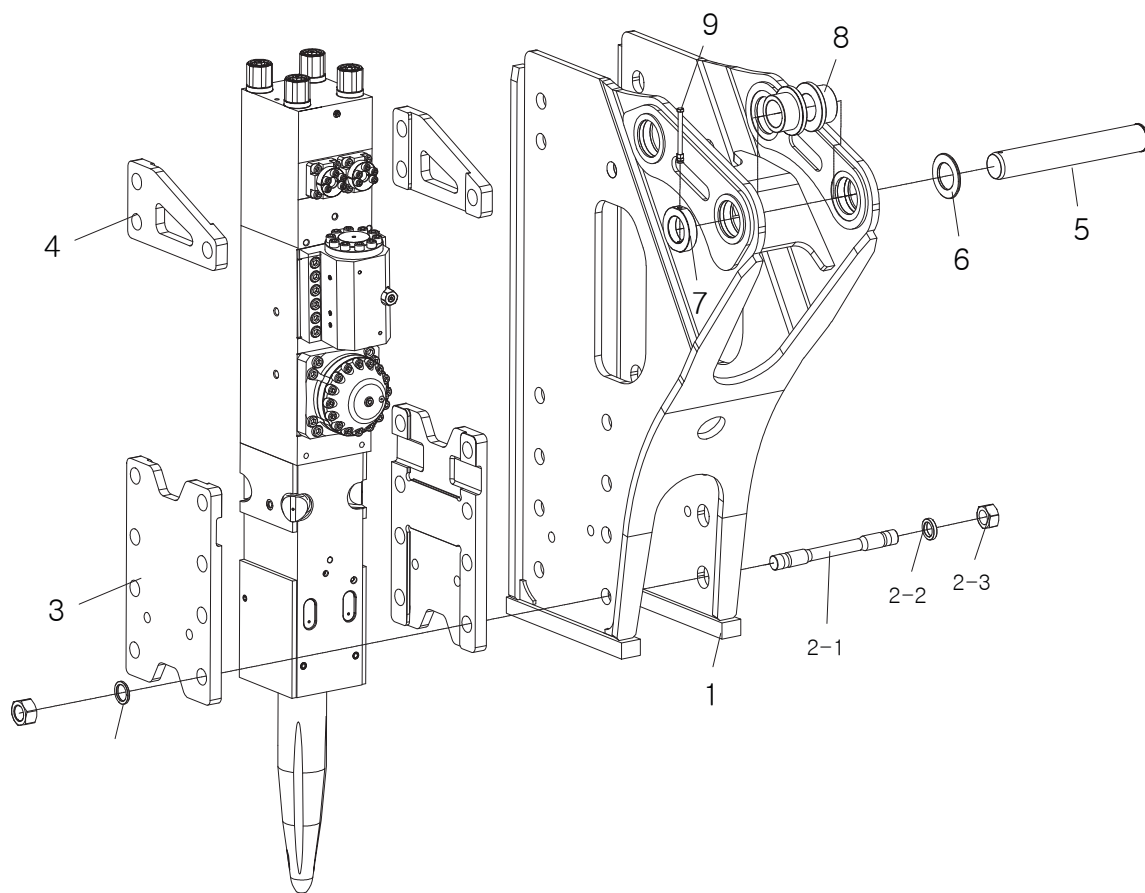
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E230BH-A1	Back Head	1		50	10000AHN	Acc. Holder Nut	1	NSS
2	BHCVBF08	B/H Charging Valve	1		51	E230AB-A3	Acc. Body	1	NSS
3	SBP080	O-ring	2	NSS	52	10000AHKP	Acc. Holder Knock Pin	1	NSS
4	SBP110	O-ring	2	NSS	53	10000AHD	Acc. Holder D	1	NSS
5	ST3P080A	Back-up Ring	2	NSS	54	10000AHC	Acc. Holder C	1	NSS
6	SBP048	O-ring	2	NSS	55	10000AHB	Acc. Holder B	1	NSS
7	FP4FS24N	Flange Plug	2		56	10000AHA	Acc. Holder A	1	NSS
8	SBM247012	Socket Bolt	10		57	10000AHBT	Acc. Holder Bolt	1	NSS
9	HCM303509	Heli Coil	24		58	11000AD	Acc. Diaphragm	1	
10	10000PFA	Flange Adapter	2		59	11000AC	Acc. Cover	1	
11	SBM307012	Socket Bolt	8		60	SBP005	O-ring	1	NSS
12	SFCFS24-C	Flange Clamp-AY	2		61	02000ACV	Acc. Charging Valve	1	
13	SBP325	O-ring	1	NSS	62	SBP014	O-ring	1	NSS
14	11000TBHN	Through Bolt Hex. Nut	4		63	02000ACVC	Acc. Charging Valve Cover	1	
15	E230TBW	Through Bolt Washer	4		64	SBP011	O-ring	1	NSS
17	E230TB-Z1	Through Bolt	4		65	02000AHP	Acc. Hex. Plug	1	
18	E230TBRN-B1	Through Bolt Rd. Nut	4		66	SPBF04	Socket Plug	4	
19	E230P-B6-1	Piston	1		67	SPBF28	Socket Plug	1	
20	E230SR-B2	Seal Retainer	1		68	SBP048A	O-ring	1	NSS
21	SBP044	O-ring	2	NSS	69	HCM364009	Heli Coil	8	
22	SCG223.5	Gas Seal	1	NSS	70	SBM3610012	Socket Bolt	8	
23	SCS223.5	Step Seal	3	NSS	71	E230CY-B5-1	Cylinder	1	
24	09000KP	Knock Pin	4		72	E230SR-B2	Support Sleeve	1	NSS
25	SPBF12	Socket Plug	3		74	SCUP230	U-Packing	3	NSS
26	SBP22.4	O-ring	3	NSS	75	SCD230	Dust Seal	1	NSS
27	SBP058	O-ring	4	NSS	76	SPBT08	Socket Plug	2	
28	E230CB	Connecting Bush	2	NSS	77	GNBT04	Greasing Nipple	1	
29	SBG070	O-ring	2	NSS	78	E230RP-B1	Rod Pin	2	
30	SBM308012	Socket Bolt	28		79	10000PFCP	Front Cover Pin	2	
31	E230VC-B1	Valve Cover	1		80	RP30	Pubber Plug	2	
32	ST3P115	Back-up Ring	1	NSS	81	SP3060	Spring Pin	2	
33	SBP115	O-ring	1	NSS	82	10000PSP	Stop Pin	2	
34	E230VS-B5-1	Valve Sleeve	1		83	RP26	Pubber Plug	2	
35	E230V-B5-1c	Valve	1		84	SP2643	Spring Pin	2	
36	E230VA-B1	Valve Adjuster	1		85	E230RB	Ring Bush	1	
37	SBP035	O-ring	1	NSS	86	E230FCS	Front Cover	1	
38	10000VAHN	Valve Adjuster Hex. Nut	1		87	E230FH-C	Front Head	1	
39	SBP018	O-ring	1	NSS	88	ACVBF14-1	Air Check Valve	2	
40	SBPF06	Socket Plug	1		89	E230T-CS	Tool-CS Type	1	
41	SBP038	O-ring	1	NSS	101	E230S-B1	Seal Kit	1	Assembly
42	HPBF20	Hex. Plug	1		102	E230V-B5-1-AY	Valve Assy	1	
43	E230VH-B5-1	Valve Housing	1		103	E230A-A3-AY	Acc. Assy	1	
44	SBM309012	Socket Bolt	10		104	E230TB-Z1-AY	Through Bolt Assy	4	
45	SFSM62	Face Seal	5	NSS	105	11000ATLB-ST	Tool Box	1	
46	SBG035	O-ring	2	NSS	106	E230BH-A1-AY	Back Head Assy	1	
47	SBG040	O-ring	1	NSS	107	E230CY-B5-1-AY	Cylinder Assy	1	
48	S4BP145	Back-up Ring	1	NSS	108	E230FH-C-AY	Front Head Assy	1	
49	SBP145	O-ring	1	NSS	109	E230AB-A3-AY	Acc. Body Assy	1	

EDDIE230T



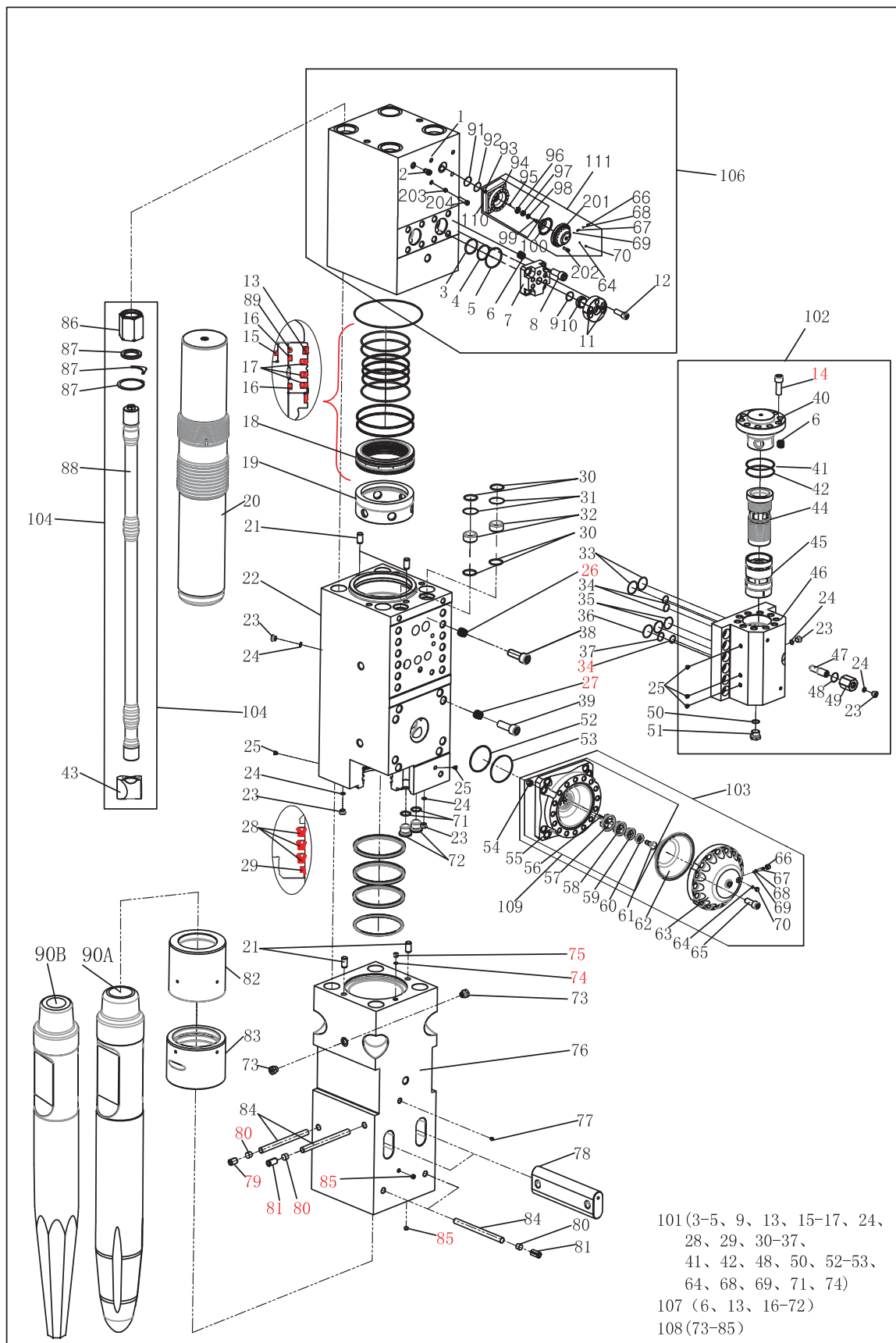
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	230F-T	Frame	1	
2	230SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	HBM48200	Hex bolt	14	
4	W48	Washer	28	
5	HNM48	Hex.Nut	28	
6	230MC-T	Mount Cap	1	
7	230MP	Mount Pin	2	
8	230MPR	Mount Pin Ring	2	
9	230MPS	Mount Pin Stopper	2	
10	230MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE230S



NO.	PART NO.	PART NAME	QTY	REMARKS
1	E230F-S	Frame	1	
2	E230SB-AY	Side Bolt-AY	11	2-1/2-2/2-3
3	E230CPL	Clamping Plate	2	
4	E230GP	Guide Plate	2	
5	E230MP	Mount Pin	2	
6	E230MPR	Mount Pin Ring	2	
7	E230MPS	Mount Pin Stopper	2	
8	E230MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

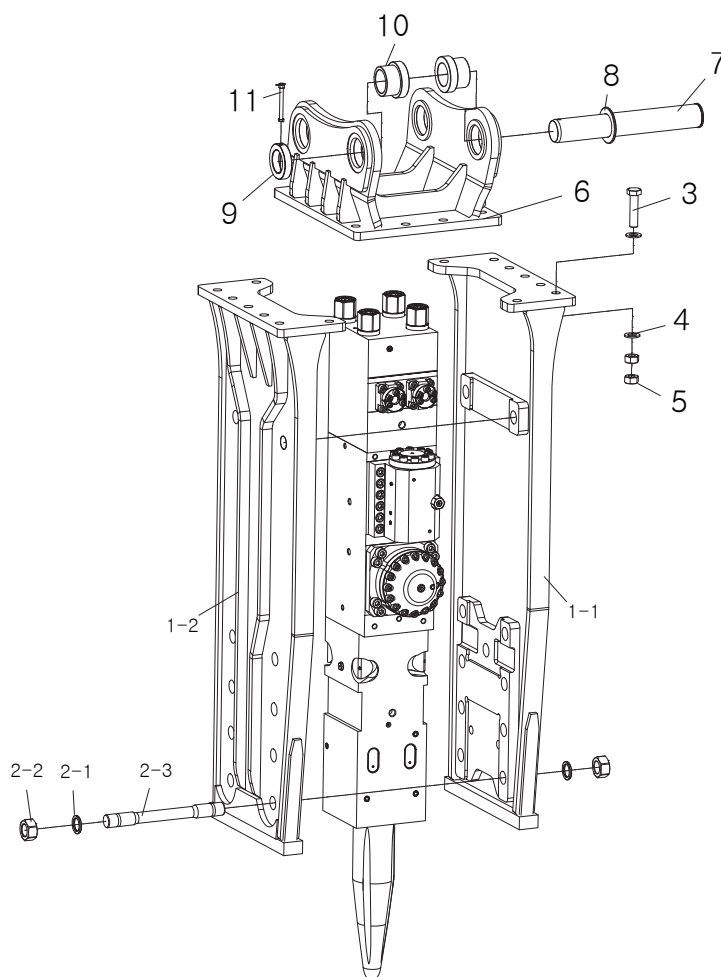
EDDIE248 MAIN BODY PARTS



EDDIE248 MAIN BODY PARTS LIST

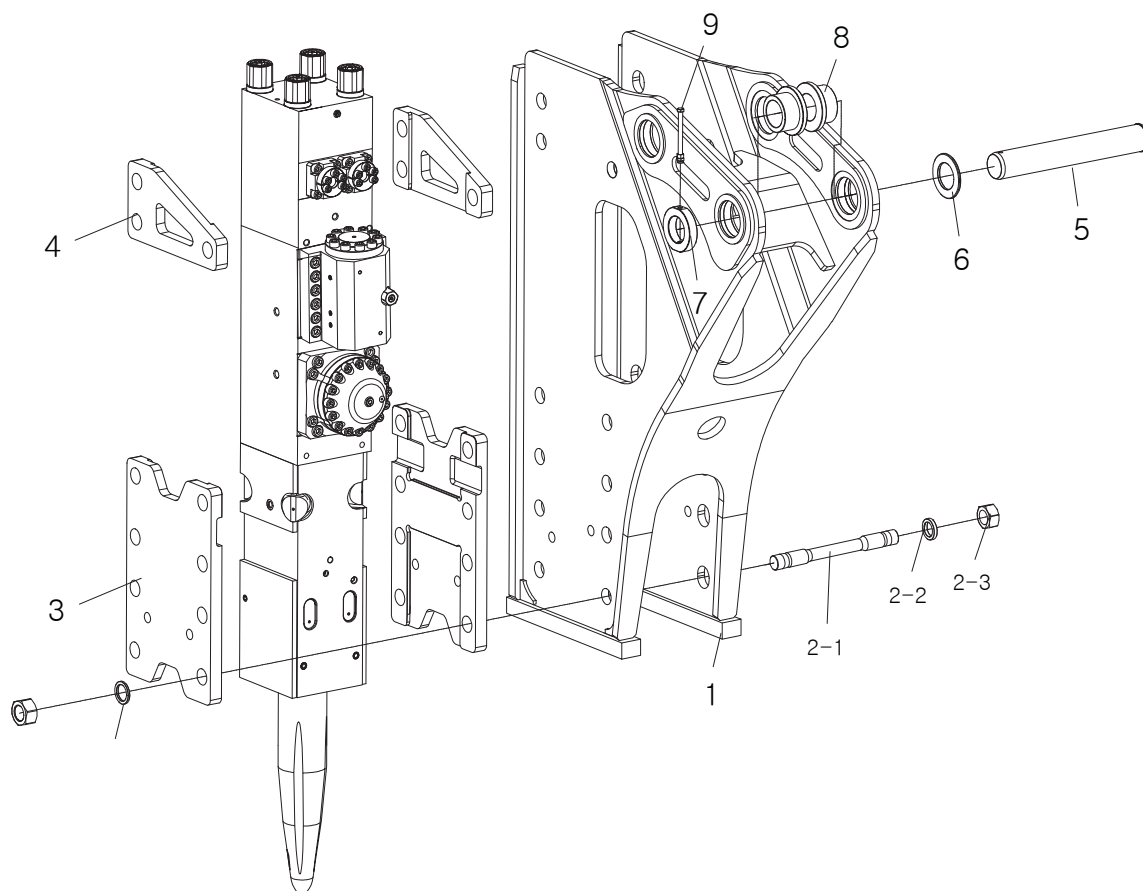
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E248BH	Back Head	1		59	E248AHB	Acc. Holder B	1	NSS
2	BHCVBF08	B/H Charging Valve	1		60	E248AHA	Acc. Holder A	1	NSS
3	SBP080	O-ring	2	NSS	61	E248AHBT	Acc. Holder Bolt	1	NSS
4	ST3P080A	Back-up Ring	2	NSS	62	E248AD	Acc. Diaphragm	1	
5	SBP110	O-ring	2	NSS	63	E248AC	Acc. Cover	1	
6	HCM303509	Heli Coil	18		64	SBP011	O-ring	1	NSS
7	10000PFA	Flange Adapter	2		65	SBM308012	Socket Bolt	16	
8	SBM307012	Socket Bolt	8		66	02000ACVC	Acc. Charging Valve Cover	1	
9	SBP048	O-ring	2	NSS	67	02000ACV	Acc. Charging Valve	1	
10	FP4FS24N	Flange Plug	2		68	SBP014	O-ring	1	NSS
11	SFCFS24N-AY	Split Flange Clamp Assy	2		69	SBP005	O-ring	1	NSS
12	SBM247012	Socket Bolt	10		70	02000AHP	Acc. Hex. Plug	1	
13	SCG253.5	Gas Seal	1	NSS	71	SBP48A	O-ring	2	NSS
14	SBM308012	Socket Bolt	10	NSS	72	SPBF28A	Socket Plug	2	
15	SBG375	O-ring	1	NSS	73	ACVBF14-1	Air Check Valve Core	2	
16	SORI315	O-ring	2	NSS	74	SBP018	O-ring	1	
17	SCS253.5	Step Seal	3	NSS	75	SPBT08	Socket Plug	1	
18	E258UASR-A3	Upper part of Assembled Seal Retainer	1		76	E258FH	Front Head	1	
19	E258LASR-A3	Lower part of Assembled Seal Retainer	1		77	GNBT04	Grease Nipple	1	
20	E258P-A1	Piston	1		78	E258RP	Rod Pin	2	
21	09000KP	Knock Pin	4		79	SP3045	Spring Pin	1	
22	E258CY	Cylinder	1		80	RP30	Rubber Plug	4	
23	SPBF12	Socket Plug	3		81	SP3060	Spring Pin	3	
24	SBP22.4	O-ring	3	NSS	82	E258RB	Ring Bush	1	
25	SPBF04	Socket Plug	5		83	E258S	Front Cover	1	
26	HCM364010	Heli Coil	12		84	E220SP	Stop Pin	4	
27	HCM394010	Heli Coil	8		85	SPBT08	Socket Plug	2	
28	SCUPT258	U-Packing	3	NSS	86	E258TBHN	Through Bolt Hex. Nut	4	NSS
29	SCDT258	Dust Seal	1	NSS	87	E258TBW	Through Bolt Washer	4	NSS
30	SBP067	O-ring	4	NSS	88	E258TB	Through Bolt	4	NSS
31	E258CB	Connecting Bush	2	NSS	89	SBP315	O-ring	1	NSS
32	SBG080	O-ring	2	NSS	90A	E248-CS	Tool-CS Type	1	
33	SFSM67	O-ring	2	NSS	90B	E248-MF	Tool-MF Type	1	
34	SBG040	O-ring	3	NSS	91	S4BP080	Back-up Ring	1	NSS
35	SBG065	O-ring	2	NSS	92	SBP080	O-ring	1	NSS
36	SBG070	O-ring	1	NSS	93	02000AHN	Acc. Holder Nut	1	NSS
37	SBG045	O-ring	1	NSS	94	02000AB	Acc. Body	1	NSS
38	SBM3610012	Socket Bolt	12		95	02000AHKP	Acc. Holder Knock Pin	1	NSS
39	SBM3910012	Socket Bolt	8		96	02000AHA	Acc. Holder A	1	
40	E258VC	Valve Cover	1		97	02000AHB	Acc. Holder B	1	
41	SBP150	O-ring	1	NSS	98	02000AHC	Acc. Holder C	1	
42	ST3P150	Back-up Ring	1	NSS	99	02000AHBT	Acc. Holder Bolt	1	
43	E258TBRN	Through Bolt Rd. Nut	4		100	02000AD	Acc. Diaphragm	1	
44	E258V-A1	Valve Sleeve	1		201	02000AC	Acc. Cover	1	
45	E258VS-A1	Valve	1		202	SBM1840F212	Socket Bolt	12	
46	E258VH-A1	Valve Housing	1		203	HCM243012	Socket Bolt	4	
47	11000VA	Valve Adjuster	1		204	SBM246012	Heli Coil	4	
48	SBG050	O-ring	1	NSS	101	E258S	Seal Kit	1	
49	11000VAHN	Valve Adjuster Nut	1		102	E258V-AY	Valve Assy	1	
50	SBP038	O-ring	1	NSS	103	E248A-AY	Acc. Assy	1	
51	HPBF20	Hex. Plug	1		104	E248TB-AY	Through Bolt Assy	4	
52	S4BP175	Back-up Ring	1	NSS	105	E248TLB-S-ST	Toolbox-ST	1	
53	SBP175	O-ring	1	NSS	106	E248BH-AY	Back Head Assy	1	
54	E248AHN	Acc. Holder Nut	1	NSS	107	E248CYAY	Cylinder Assy	1	
55	E258AB	Acc. Body	1	NSS	108	E248FH-AY	Front Head Assy	1	
56	E248AHKP	Acc. Holder Knock Pin	1	NSS	109	E248AB-AY	Acc. Body Assy	1	
57	E248AHD	Acc. Holder D	1	NSS	110	02000AB-AY	Acc. Body Assy	1	
58	E248AHC	Acc. Holder C	1	NSS	111	02000A-AY	Acc. Assy	1	

EDDIE248T



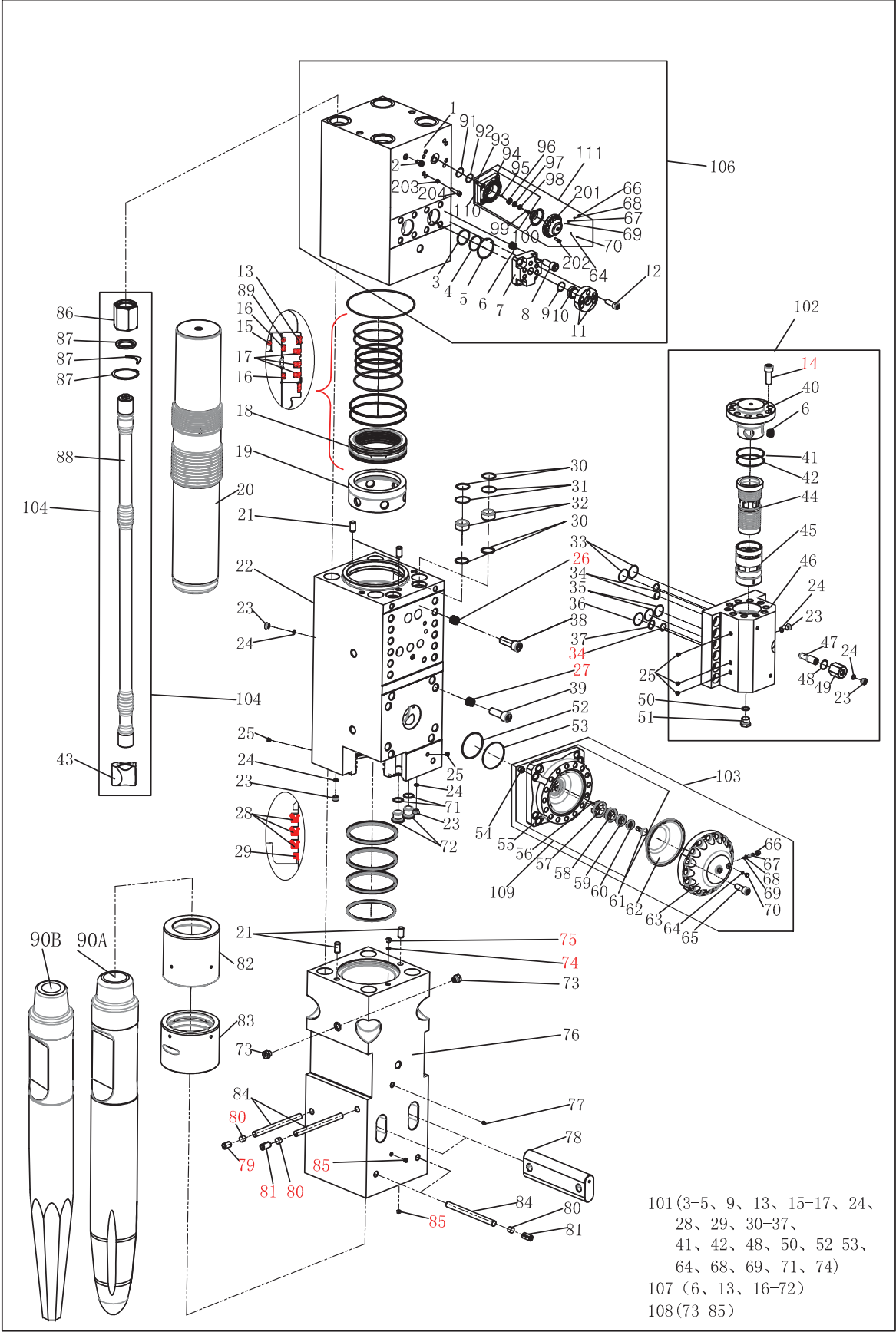
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E248F-T	Frame	1	
2	E248SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	HBM48200	Hex bolt	14	
4	W48	Washer	28	
6	HNM48	Hex.Nut	28	
7	E248MC-T	Mount Cap	1	
8	E248MP	Mount Pin	2	
9	E248MPR	Mount Pin Ring	2	
10	E248MPS	Mount Pin Stopper	2	
11	E248MPB	Mount Pin Bush	4	
12	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE248S



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E248AF-S	Frame	1	
2	E248ASB-AY	Side Bolt-AY	11	2-1/2-2/2-3
3	E248ACPL	Clamping Plate	2	
4	E248AGP	Guide Plate	2	
5	E248MP	Mount Pin	2	
6	E248MPR	Mount Pin Ring	2	
7	E248MPS	Mount Pin Stopper	2	
8	E248MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

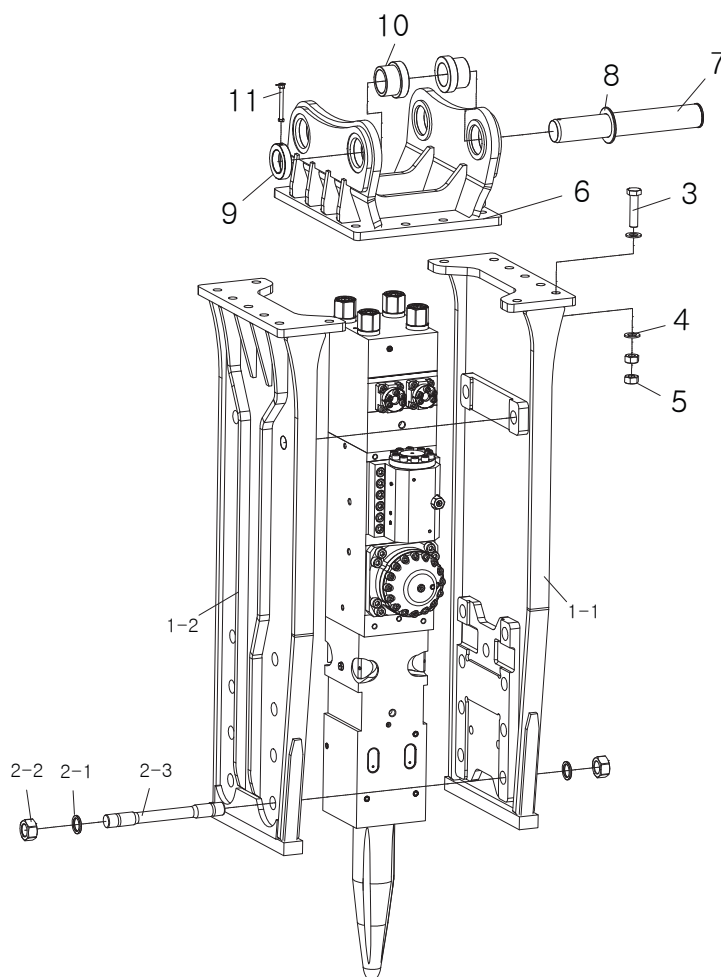
EDDIE258—T/S MAIN BODY PARTS



EDDIE258—T/S MAIN BODY PARTS LIST

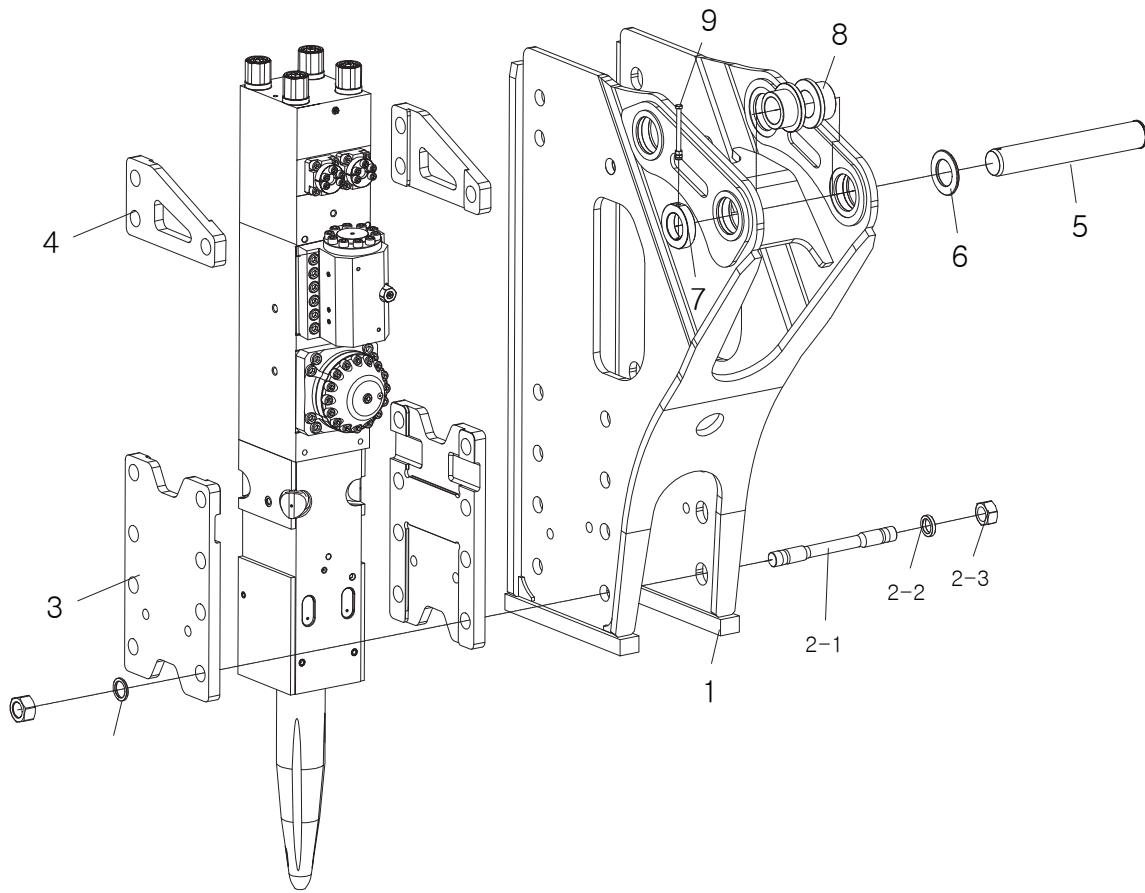
NO.	PART NO.	PART NAME	Q'TY	REMARKS	NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E258BH	Back Head	1		59	E248AHB	Acc. Holder B	1	NSS
2	BHCVBF08	B/H Charging Valve	1		60	E248AHA	Acc. Holder A	1	NSS
3	SBP080	O-ring	2	NSS	61	E248AHBT	Acc. Holder Bolt	1	NSS
4	ST3P080A	Back-up Ring	2	NSS	62	E248AD	Acc. Diaphragm	1	
5	SBP110	O-ring	2	NSS	63	E248AC	Acc. Cover	1	
6	HCM303509	Heli Coil	18		64	SBP011	O-ring	1	NSS
7	10000PFA	Flange Adapter	2		65	SBM308012	Socket Bolt	16	
8	SBM307012	Socket Bolt	8		66	02000ACVC	Acc. Charging Valve Cover	1	
9	SBP048	O-ring	2	NSS	67	02000ACV	Acc. Charging Valve	1	
10	FP4FS24N	Flange Plug	2		68	SBP014	O-ring	1	NSS
11	SFCFS24N-AY	Split Flange Clamp Assy	2		69	SBP005	O-ring	1	NSS
12	SBM247012	Socket Bolt	10		70	02000AHP	Acc. Hex. Plug	1	
13	SCG253.5	Gas Seal	1	NSS	71	SBP48A	O-ring	2	NSS
14	SBM308012	Socket Bolt	10	NSS	72	SPBF28A	Socket Plug	2	
15	SBG375	O-ring	1	NSS	73	ACVBF14-1	Air Check Valve Core	2	
16	SORI315	O-ring	2	NSS	74	SBP018	O-ring	1	
17	SCS253.5	Step Seal	3	NSS	75	SPBT08	Socket Plug	1	
18	E258UASR-A3	Upper part of Assembled Seal Retainer	1		76	E258FH	Front Head	1	
19	E258LASR-A3	Lower part of Assembled Seal Retainer	1		77	GNBT04	Grease Nipple	1	
20	E258P-A1	Piston	1		78	E258RP	Rod Pin	2	
21	09000KP	Knock Pin	4		79	SP3045	Spring Pin	1	
22	E258CY	Cylinder	1		80	RP30	Rubber Plug	4	
23	SPBF12	Socket Plug	3		81	SP3060	Spring Pin	3	
24	SBP22.4	O-ring	3	NSS	82	E258RB	Ring Bush	1	
25	SPBF04	Socket Plug	5		83	E258S	Front Cover	1	
26	HCM364010	Heli Coil	12		84	E220SP	Stop Pin	4	
27	HCM394010	Heli Coil	8		85	SPBT08	Socket Plug	2	
28	SCUPT258	U-Packing	3	NSS	86	E258TBHN	Through Bolt Hex. Nut	4	NSS
29	SCDT258	Dust Seal	1	NSS	87	E258TBW	Through Bolt Washer	4	NSS
30	SBP067	O-ring	4	NSS	88	E258TB	Through Bolt	4	NSS
31	E258CB	Connecting Bush	2	NSS	89	SBP315	O-ring	1	NSS
32	SBG080	O-ring	2	NSS	90A	E258-CS	Tool-CS Type	1	
33	SFSM67	O-ring	2	NSS	90B	E258-MF	Tool-MF Type	1	
34	SBG040	O-ring	3	NSS	91	S4BG105	Back-up Ring	1	NSS
35	SBG065	O-ring	2	NSS	92	SBG105	O-ring	1	NSS
36	SBG070	O-ring	1	NSS	93	02000AHN	Acc. Holder Nut	1	NSS
37	SBG045	O-ring	1	NSS	94	04500AB	Acc. Body	1	NSS
38	SBM3610012	Socket Bolt	12		95	02000AHKP	Acc. Holder Knock Pin	1	NSS
39	SBM3910012	Socket Bolt	8		96	02000AHA	Acc. Holder A	1	
40	E258VC	Valve Cover	1		97	02000AHB	Acc. Holder B	1	
41	SBP150	O-ring	1	NSS	98	02000AHC	Acc. Holder C	1	
42	ST3P150	Back-up Ring	1	NSS	99	02000AHBT	Acc. Holder Bolt	1	
43	E258TBRN	Through Bolt Rd. Nut	4		100	04500AD	Acc. Diaphragm	1	
44	E258V-A1	Valve Sleeve	1		201	04500AC	Acc. Cover	1	
45	E258VS-A1	Valve	1		202	SBM205012	Socket Bolt	16	
46	E258VH-A1	Valve Housing	1		203	HCM202509	Socket Bolt	8	
47	11000VA	Valve Adjuster	1		204	SBM206012	Heli Coil	8	
48	SBG050	O-ring	1	NSS	101	E258S	Seal Kit	1	
49	11000VAHN	Valve Adjuster Nut	1		102	E258V-AY	Valve Assy	1	
50	SBP038	O-ring	1	NSS	103	E248A-AY	Acc. Assy	1	
51	HPBF20	Hex. Plug	1		104	E258TB-AY	Through Bolt Assy	4	
52	S4BP175	Back-up Ring	1	NSS	105	E258TLB-S-ST	Toolbox-ST	1	
53	SBP175	O-ring	1	NSS	106	E258BH-AY	Back Head Assy	1	
54	E248AHN	Acc. Holder Nut	1	NSS	107	E258CYAY	Cylinder Assy	1	
55	E258AB	Acc. Body	1	NSS	108	E258FH-AY	Front Head Assy	1	
56	E248AHKP	Acc. Holder Knock Pin	1	NSS	109	E248AB-AY	Acc. Body Assy	1	
57	E248AHD	Acc. Holder D	1	NSS	110	04500AB-AY	Acc. Body Assy	1	
58	E248AHC	Acc. Holder C	1	NSS	111	04500A-AY	Acc. Assy	1	

EDDIE258T



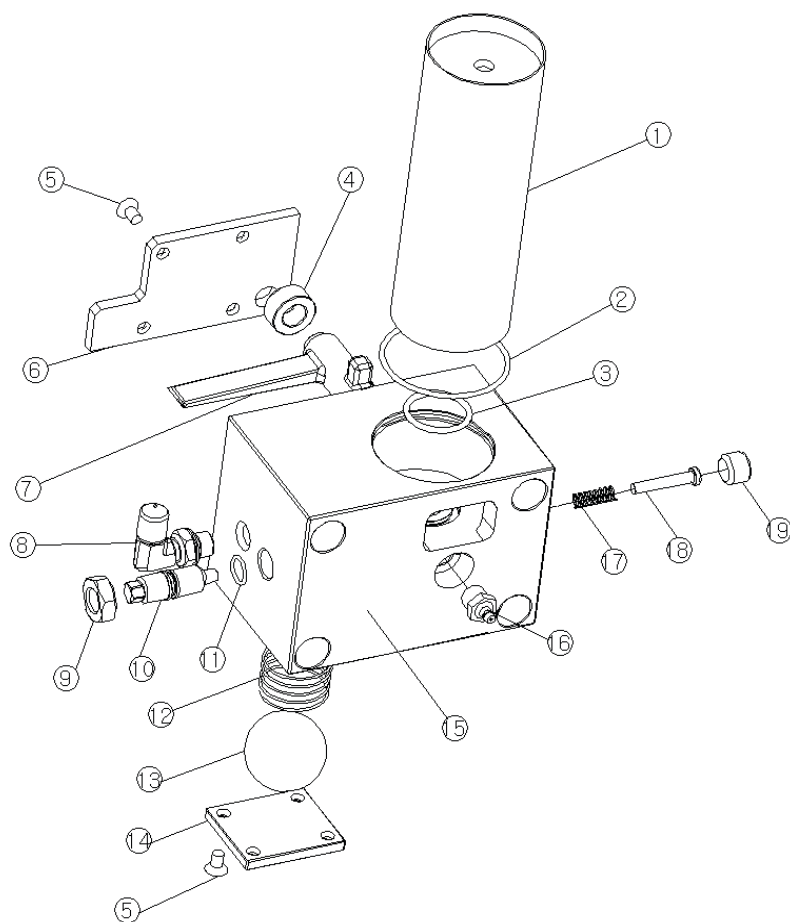
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E258F-T	Frame	1	
2	E258SB-AY	Side Bolt-AY	10	2-1/2-2/2-3
3	HBM48200	Hex bolt	14	
4	W48	Washer	28	
5	HNM48	Hex.Nut	28	
6	E258MC-T	Mount Cap	1	
7	E258MP	Mount Pin	2	
8	E258MPR	Mount Pin Ring	2	
9	E258MPS	Mount Pin Stopper	2	
10	E258MPB	Mount Pin Bush	4	
11	HBWH-AY	Hex bolt With Hole Assy	2	

EDDIE258S



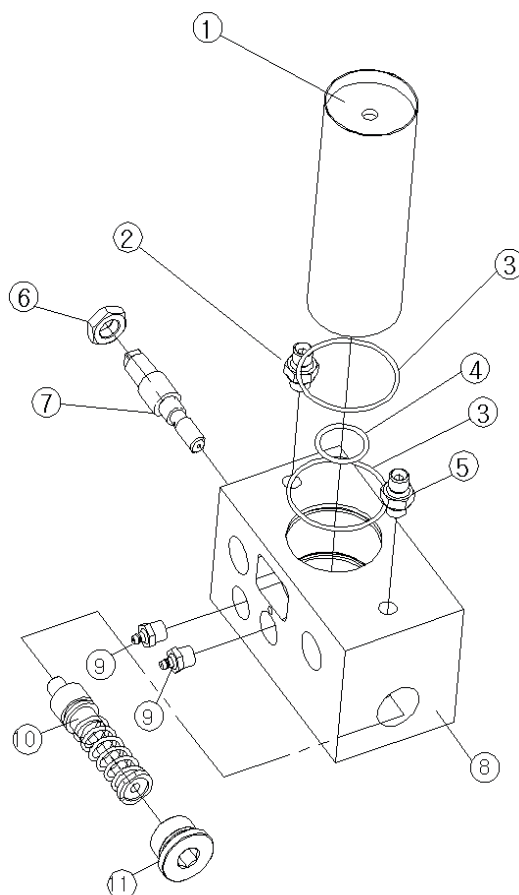
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	E258F-S	Frame	1	
2	E258SB-AY	Side Bolt-AY	11	2-1/2-2/2-3
3	E258CPL	Clamping Plate	2	
4	E258GP	Guide Plate	2	
5	E258MP	Mount Pin	2	
6	E258MPR	Mount Pin Ring	2	
7	E258MPS	Mount Pin Stopper	2	
8	E258MPB	Mount Pin Bush	4	
9	HBWH-AY	Hex bolt With Hole Assy	2	

AGD-Z5



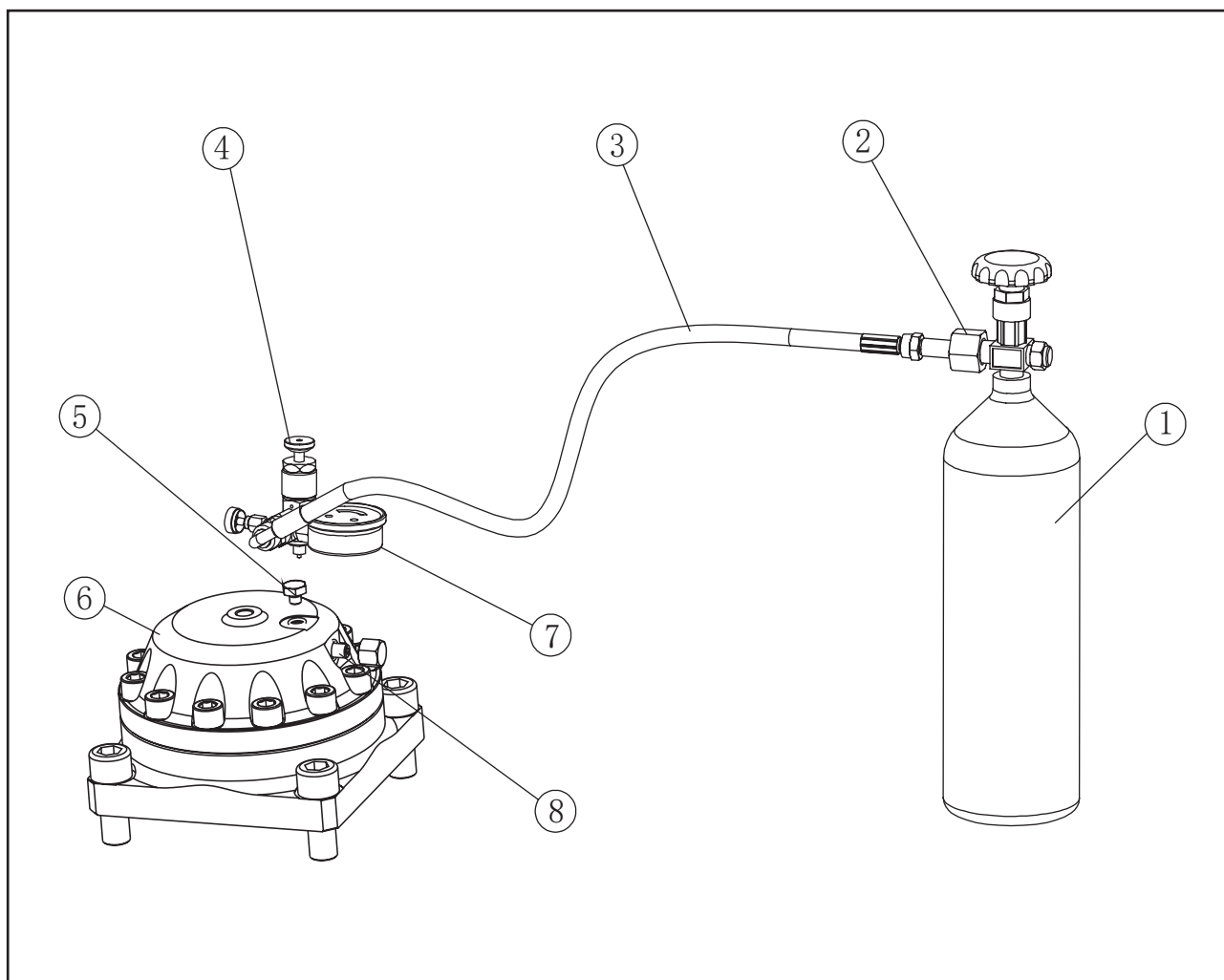
NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	Z5001	Cartridge	1	
2	Z5002	O-Ring	1	
3	Z5003	O-Ring	1	
4	Z5004	Fixing ring	1	
5	Z5005	BOLT	8	
6	Z5006	COVER	1	
7	Z5007	Shifter fork	1	
8	Z5008	Output Nipple	1	
9	Z5009	LOCK-NUT	1	
10	Z5010	ADJUSTER	1	
11	Z5011	O-Ring	1	
12	Z5012	SPRING	1	
13	Z5013	Steel ball	1	
14	Z5014	COVER	1	
15	Z5015	MAIN BLOCK	1	
16	Z5016	NIPPLE-GREASE	1	
17	Z5017	SPRING	1	
18	Z5018	Plunger	1	
19	Z5019	PLUG	1	

AGD-HP500



NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	HP5001	Cartridge	1	
2	HP5002	Output Nipple	1	
3	HP5003	O-Ring	2	
4	HP5004	O-Ring	1	
5	HP5005	Output Nipple	1	
6	HP5006	LOCK-NUT	1	
7	HP5007	ADJUSTER	1	
8	HP5008	MAIN BLOCK	1	
9	HP5009	NIPPLE-GREASE	2	
10	HP5010	Piston Assembly	1	
11	HP5011	PLUG	1	

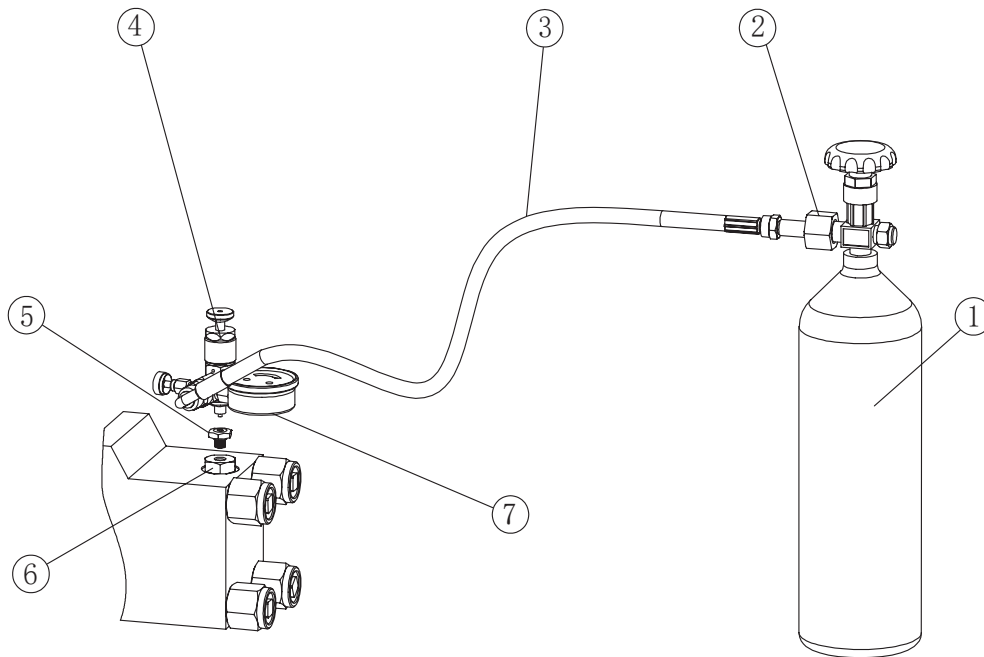
ACCUMULATOR GAS CHARGING KIT



ACCUMULATOR GAS CHARGING KIT LIST

NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	NG201	N ₂ Gas Cylinder	1	
2	NG202	Hose Connector	1	
3	NG203	Hose	1	1/4"
4	NG204	Pressure Adjust	1	
5	20049	Acc. Hex. Plug	1	
6	20042	Acc. Cover	1	
7	NG207	Pressure Gauge	1	100kg/cm ²
8	20047	Acc. Charging Valve	1	

NITROGEN GAS CHARGING KIT



NITROGEN GAS CHARGING KIT LIST

NO.	PART NO.	PART NAME	Q'TY	REMARKS
1	NG201	N ₂ Gas Cylinder	1	
2	NG202	Hose Connector	1	
3	NG203	Hose	1	1/4"
4	NG204	Pressure Adjust	1	
5	NG205	Gas Valve Plug	1	
6	NG206	B/H Charging Valve	1	
7	NG207	Pressure Gauge	1	100kg/cm ²

Note: The hose plug is installed on the side where the hammer hose is connected to the excavator. When the order includes a hammerhead hose, corresponding hose plugs and wrenches must be provided. If the hammer hose is not included, the toolbox does not come with a hose plug.

BOX TYPE TOOL PARTIAL LIST																		
BREAKER TYPE	DOUBLE END WRENCH	SINGLE END WRENCH	L-WRENCH	RING WRENCH	OTHER TOOLS FOR ALL	EYE BOLT	SPRING PIN BAR	HOSE TOOLS PLUG(2)	SPRING PIN	RUBBER PLUG	SOCKET	BEND ROD	CIRCLIP	CIRCLIP	LOCKING CLIP	CIRCLIP PLIERS FOR HOLES	EXTERNAL PLIERS	REMARKS
EDDIE35/EDDIE40(EDT100)BOX	27*30.19*22		5					1/2"										
EDDIE45/EDT200BOX	27*30.19*22		5					1/2"										
EDDIE53/EDT300BOX	27*30.19*22	36.24	5					1/2"										
EDDIE68BOX	27*30.19*22	36	5.8															
EDDIE68(EDT400)BOX (ACC)	27*30.19*22		5.10 (12.17)	41				1/2"										
EDT430(EDDIE75)BOX (ACC)	27*30.19*22		5.10 (12.17)	46				1/2"										
EDDIE68(EDT450)BOX (ACC)	30*32.19*22	27.36.55	5.8.10.12 (17)	50				3/4"										
EDDIE100(EDT800)BOX (ACC)	30*32.19*22	27.36	5.8.12 (17)	55				3/4"										
EDDIE125/EDDIE125P(EDT1600)BOX	19*22.30*32.36*41	27.55	5.8.12	65				1"								9 inches		
EDDIE135/EDT2000BOX	30*32.36*41.19*22	27.34	5.8.12.14.17.19	65.75				1"										Place a set of EDT2000 regulating valve assembly (1 EDT2000 cylinder regulator, 1 EDT2000 regulating valve nut, 1 LBP-30 O-ring, 1 LBP-12 O-ring, and 1 T3P-12 retaining ring each) in the ø 50.80 anti-aircraft tool box, the tool box needs to be labeled with part labels.
EDDIE135M(JMB70)BOX	19*22.30*32.36*41	27.34.24.46	5.6.8.10.12.22	65.75				1"										
EDDIE135F(EDT2000F)BOX	30*32.36*41.19*22	27.34	5.8.12.14.17.19	65.75				1"										
EDDIE140(EDT2200)BOX	36*41.19*22	27.50.55	5.8.12.14.17	75	14 1/4 sleeve (note: EDT4000)			1"										
EDDIE140A(EDT2200A)BOX	36*41.19*22	27.50	5.8.12.14.17.19	75				1"										
EDT3000BOX	30*32.36*41.19*22	27.34.46	5.8.12.14.17.22	70.75	horizontal pin punch, nitrogen filling tool	M12 M12	Ø18	1" 1/4"										
EDT3200BOX	30*32.19*22	27.34.46.55.41.50	5.8.12.14.17	75.85	assembly, nitrogen meter	M12 M12	Ø18	1 1/4"										
EDT3500BOX	30*32.19*22	27.34.46.50.55	5.8.12.14.17	75.85	extension rod	M12 M12	Ø18	1 1/4"										
EDT3500FBOX	36*41.30*32.19*22	27.46.50.55	5.6.8.12.14.17	85	EDT200, EDT300, EDT600, EDT1600, EDT400, EDT430, EDT435 require extension rod	M10 M12(2)	Ø26	1 1/4"										
EDT4000BOX	36*41.30*32.19*22	27.34.46.50.55(2)	5.6.8.12.14.17.19	75.85		M12 M12	Ø26	1 1/4"										
EDT4500/4500SBOX	36*41.30*32.19*22	27.50.55	5.12.14.17	85		M12 M12	Ø26	1 1/4"										
EDDIE186BOX	19*22	41.46.27.50	5.6.8.10.12.14.17.19.22	85	nitrogen meter extension rod (110MM);	M12 M12(2)	Ø26	1 1/4"	ø.26x35 (2)	ø.26 (3)			26# (3)					
EDDIE185					EDT400, EDT430, EDT435 require extension rod	M10 M12(2)	Ø26	1 1/4"		ø.26 (4)			Two D102 shaft clamps (4mm thick)			13 inches		
EDT6000F-D5 (Ave nut front shell scheme)	19*22	24.27.41.46.50	5.6.8.10.12.14.17.19	85.90	EDT400, EDT430, EDT435 require extension rod (245MM);	M10 M12(2)	Ø26	1 1/4"	ø.26x60 (2) ø.26x35 (1)	ø.26 (2) ø.26+12 (1)			Two D102 shaft clamps (4mm thick)			9 inches		2 M12 * 80 (heaven socket bolts) 2 O-rings LBP-38;
EDDIE185/EDT6000F-D4 (Net Ave nut front shell scheme)	19*22	24.27.41.46.50	5.6.8.10.12.14.17.19	85.90	EDDIE35 punch is ø 9; The punch for EDT100, EDT200, and EDT300 is ø 10. The punch for EDT400 and EDT430 are ø 10. The punch for EDT6000F is ø 10. The punch for EDT9000F is ø 10.5. The punch for EDT													

Note: The hose plug is installed on the side where the hammer hose is connected to the excavator. When the order includes a hammerhead hose, corresponding hose plugs and wrenches must be provided. If the hammer hose is not included, the toolbox does not come with a hose plug.

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