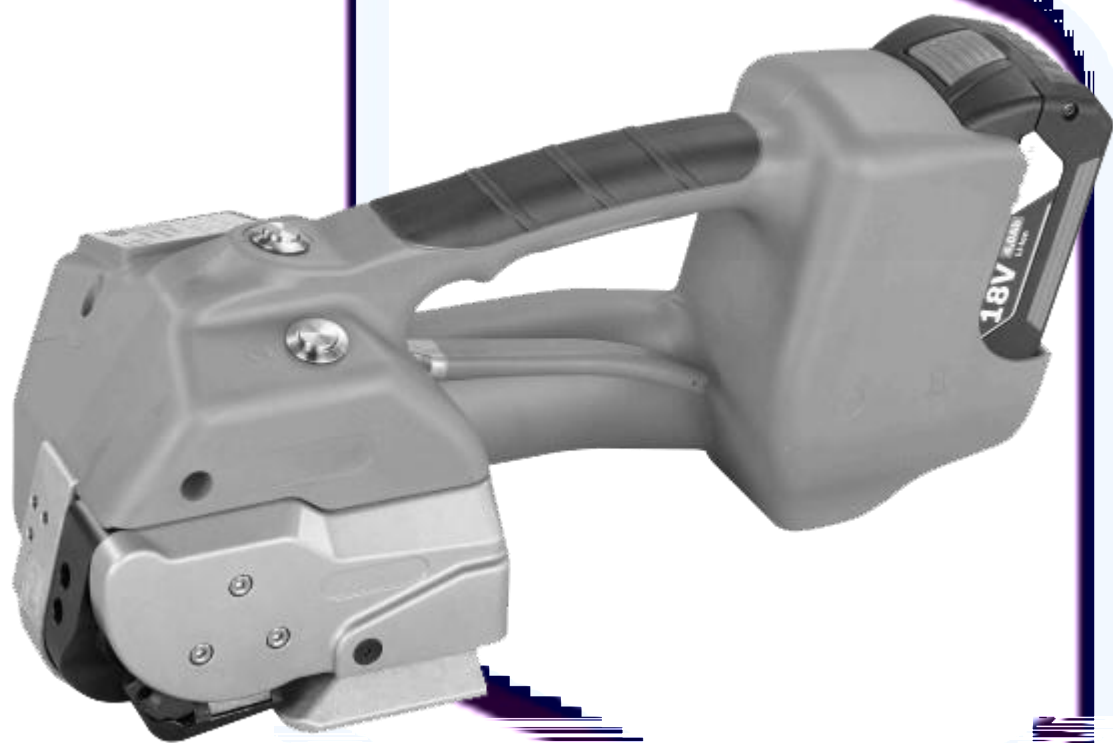
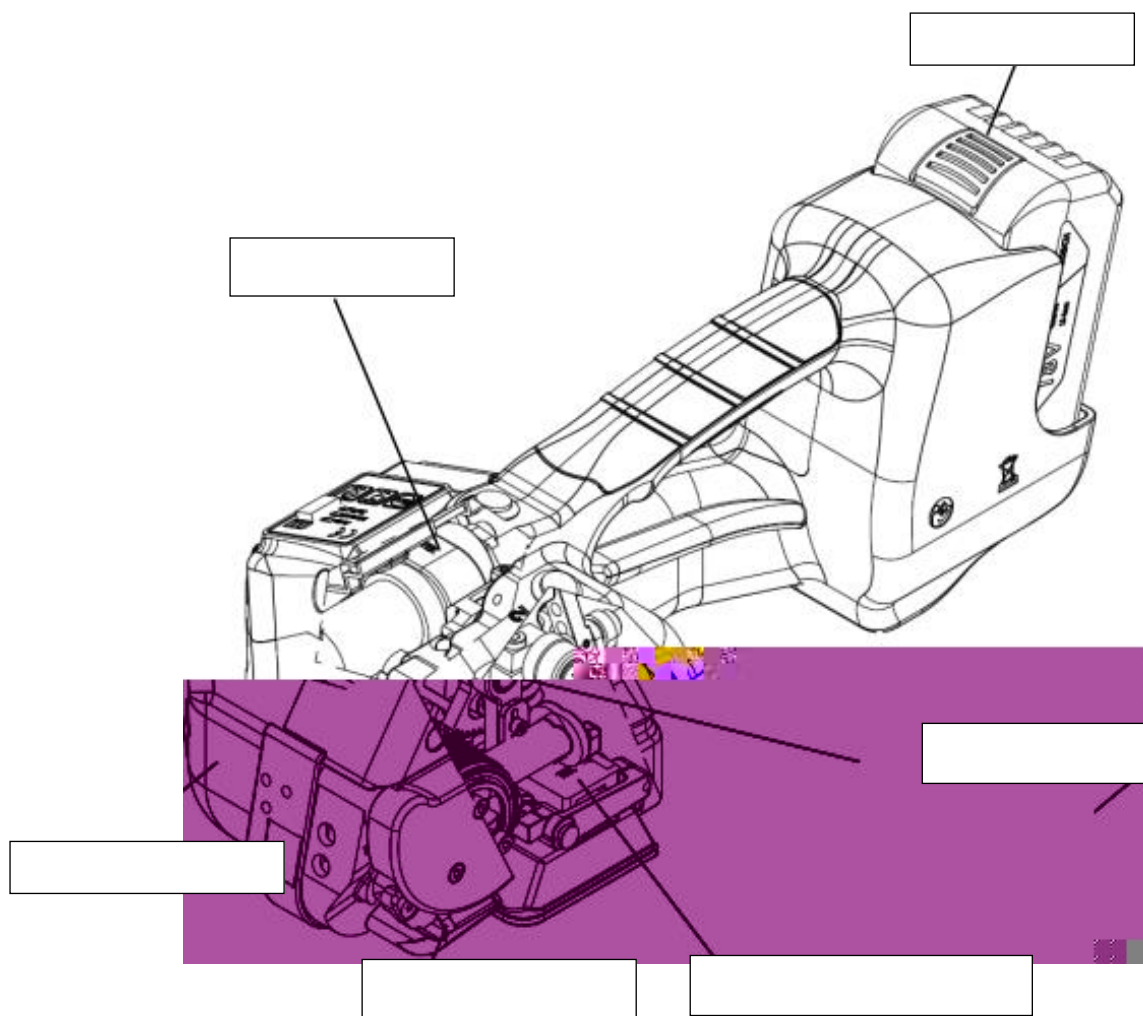
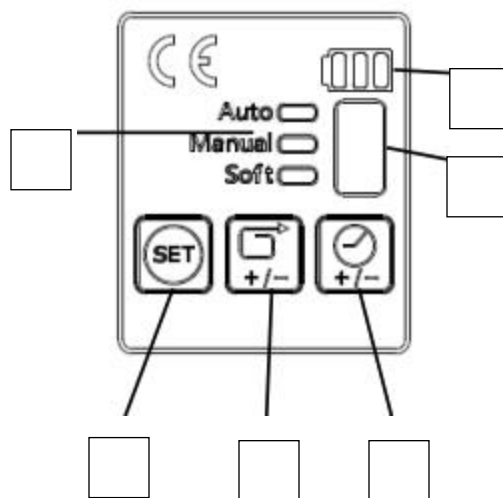
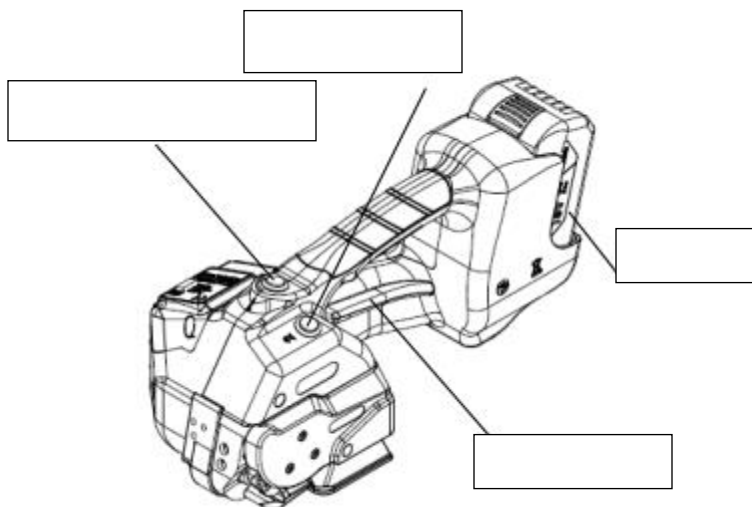
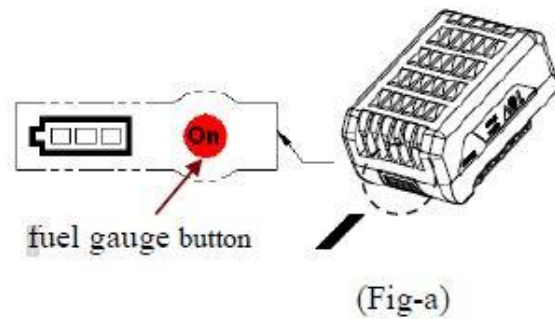
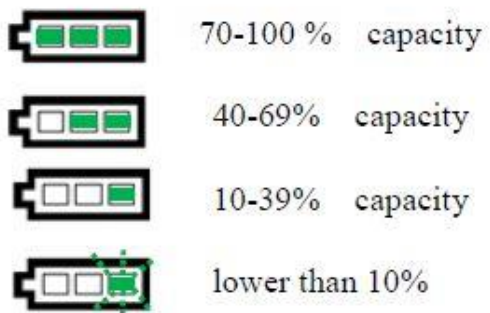


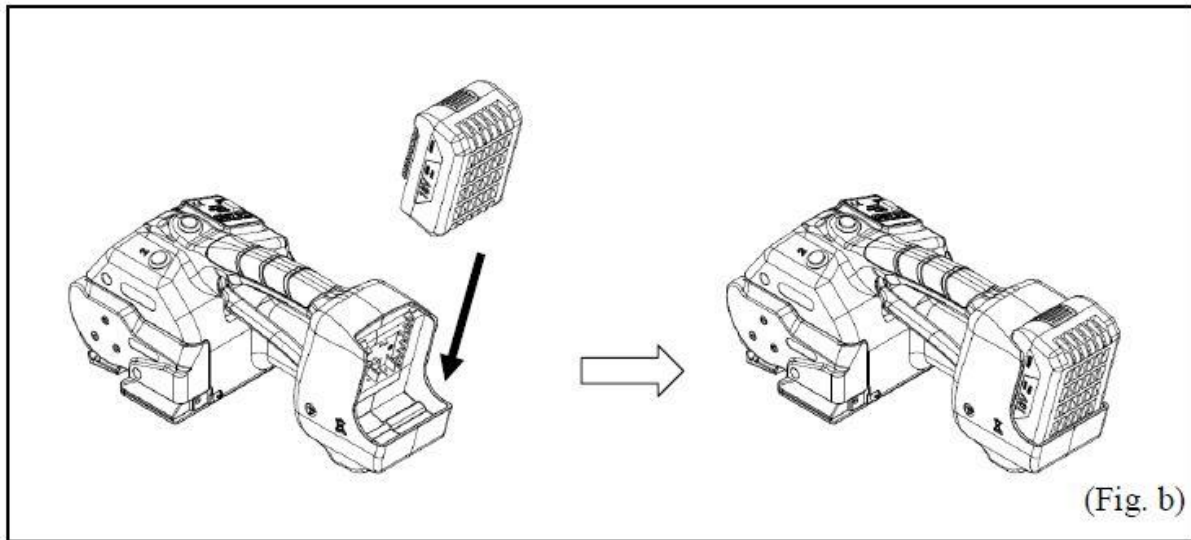




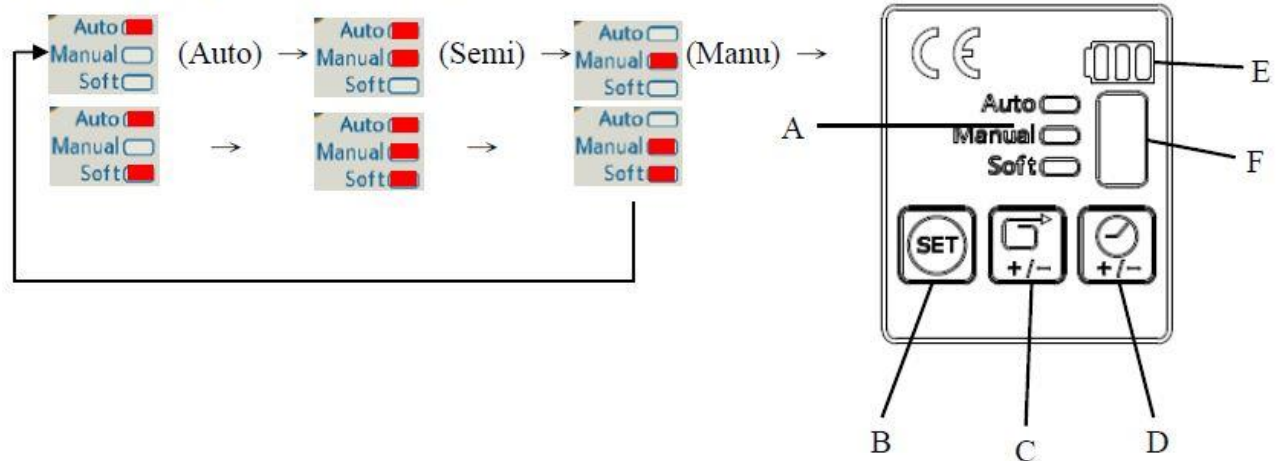
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			:	







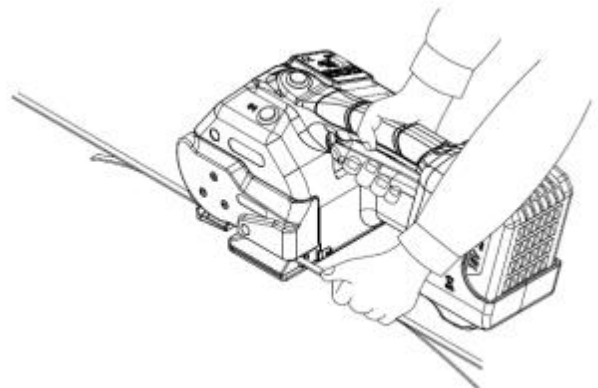
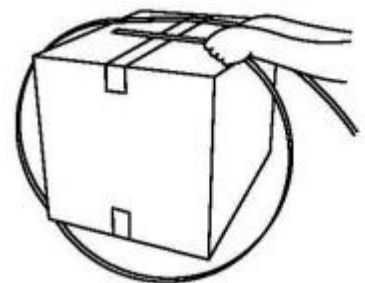
5.3.1 Adjusting the Operation mode

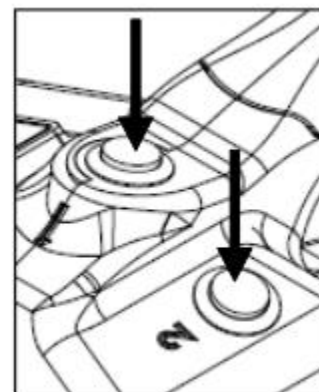
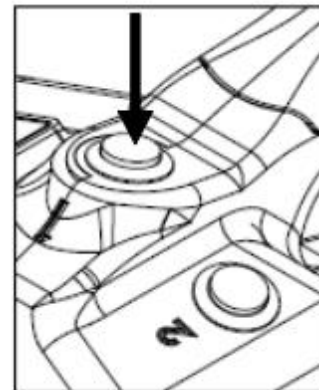


H-46A		1	2	3	4	5	6	7	8	9
normal	kg	90	110	130	150	170	190	210	230	250
	lbs	198	242	286	330	375	418	463	507	551
soft	kg	40	52	64	76	88	100	112	124	136
	lbs	88	114	141	167	194	220	247	273	300

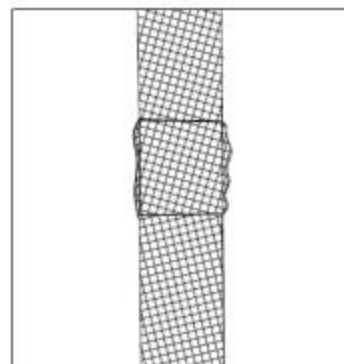
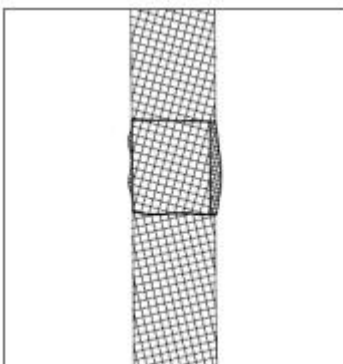
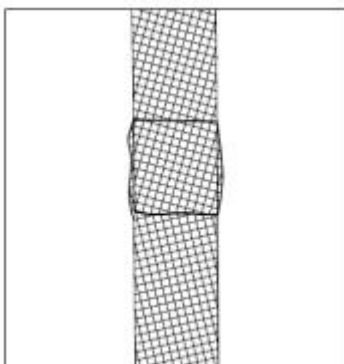
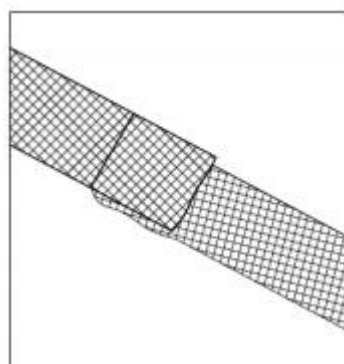
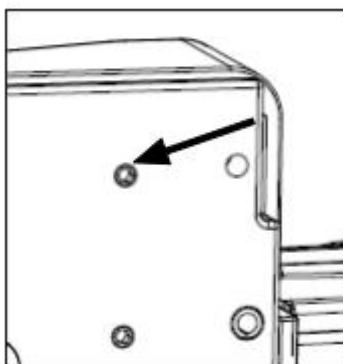
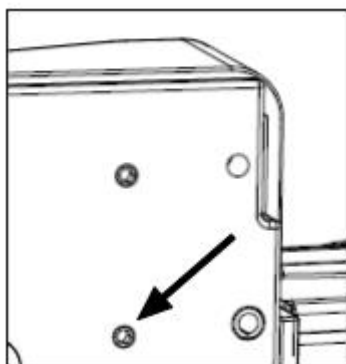
H-46B		1	2	3	4	5	6	7	8	9
normal	kg	120	155	190	225	260	295	330	365	400
	lbs	264	342	419	496	573	650	727	805	882
soft	kg	40	55	70	85	100	115	130	145	160
	lbs	88	121	154	187	220	253	286	319	353

1 → 2 → 3 → 4 → 5 → 6 → 7 → 8 → 9









70-100%



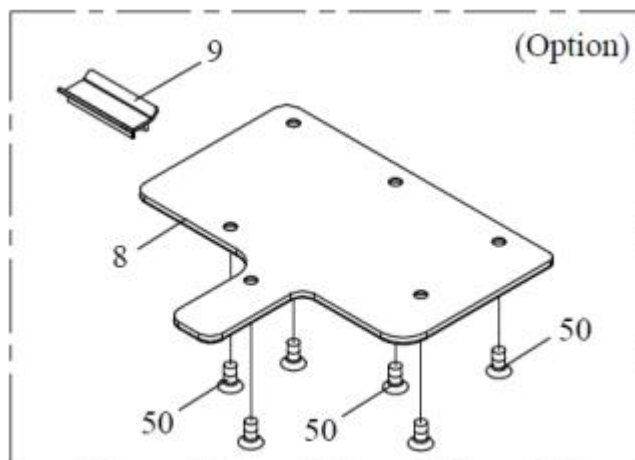
4-69 %

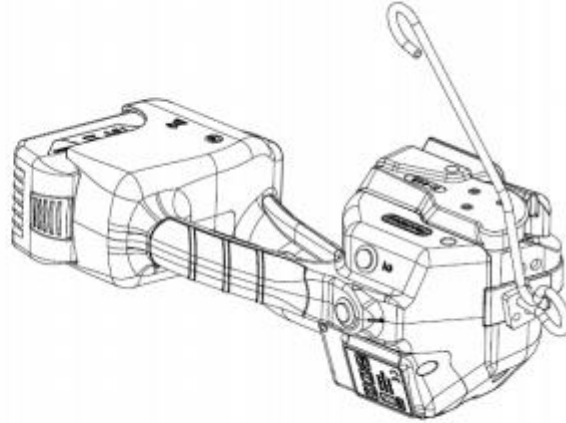
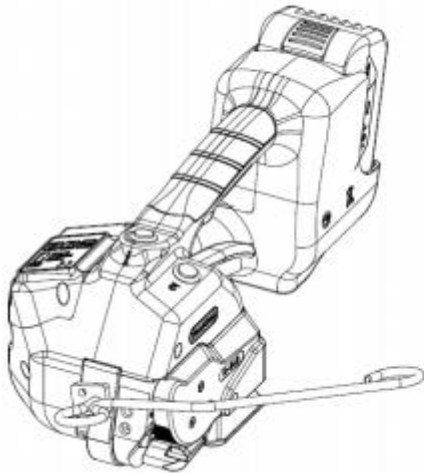


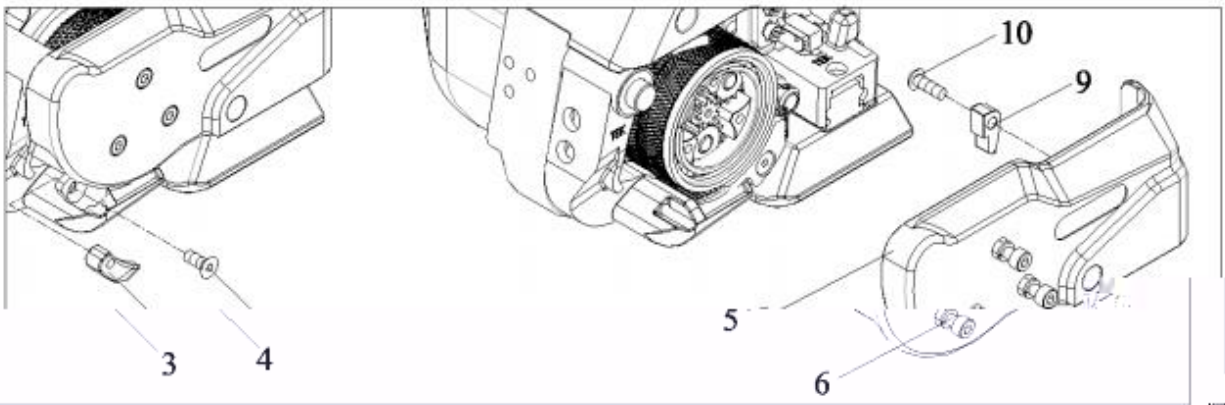
1-39%

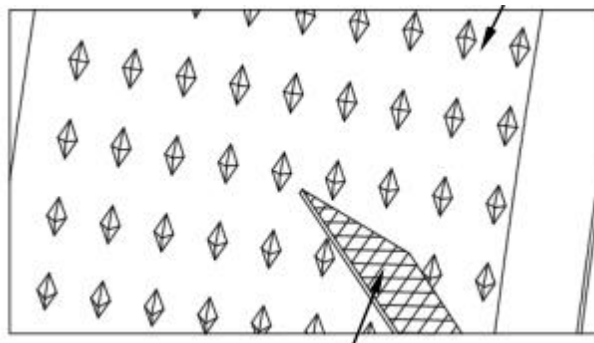
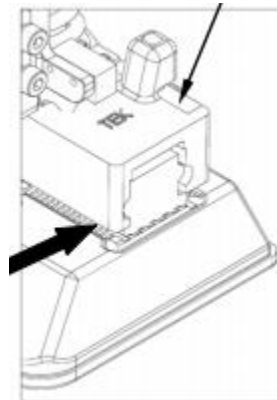
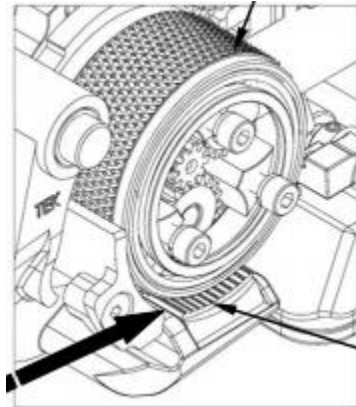


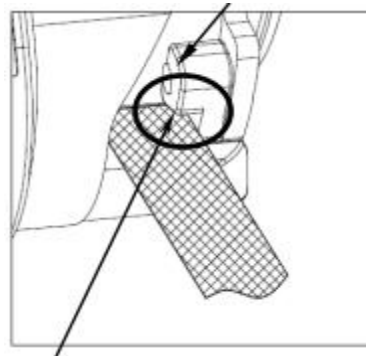
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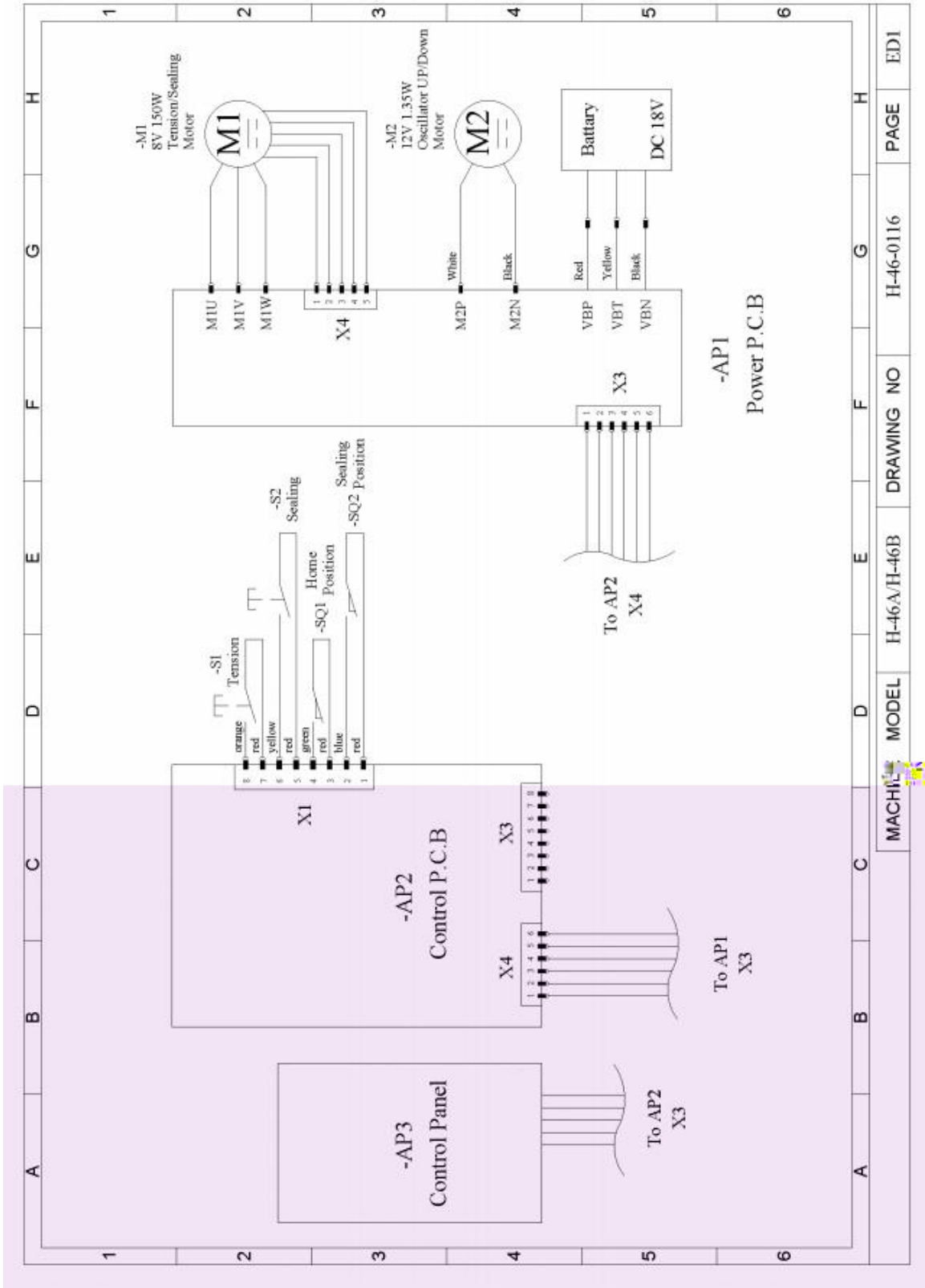












shape	classification	shape	classification
	HBS		ER
	TMS		RR
	PMS		SR
	FMS		SP
	HB		BR
	THS		

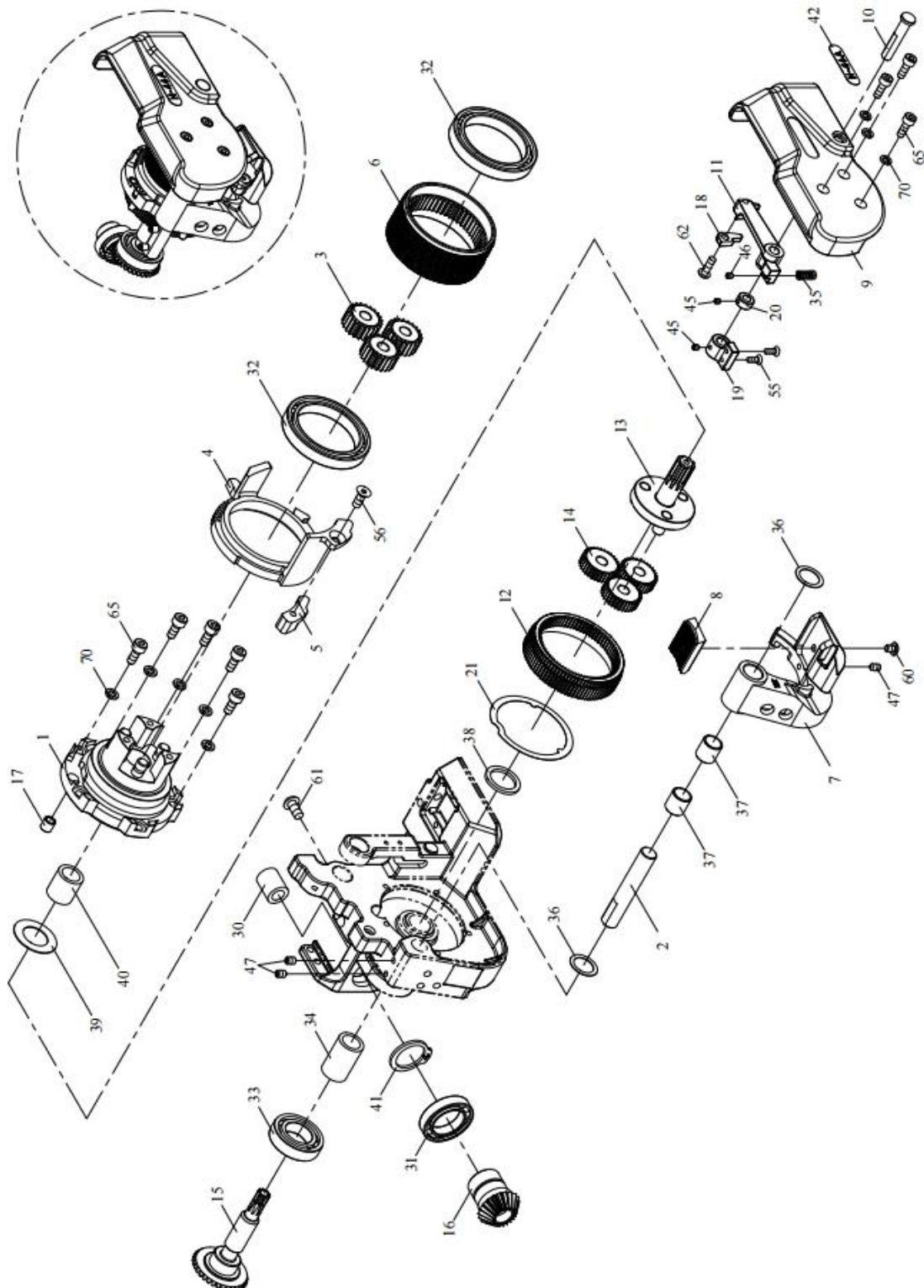
1

TENSIONING UNIT

H46-10000

H46-10010

a.



1 **TENSIONING UNIT** **H46-10000**
a. **(For H-46A)** **H46-10010**

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	H46-10000	Tensioning Unit (For H-46A, 12mm)	1	
	H46-10010	Tensioning Unit (For H-46A, 16mm)	1	
1	H46-10200	Bracket A	1	
2	H46-10300	Swivel Shaft	1	
3	H46-10400	Front Gear A	3	
4	H46-10500	Cam Disk	1	
5	H46-10600	Strap Stop (For 16mm)	1	
	H46-10610	Strap Stop (For 12mm)	1	
6	H46-10700	Tensioning Wheel A	1	
7	H46-10801	Tensioning Body	1	
8	H46-10901	Gripper	1	
9	H46-11010	End Cover	1	
10	H46-11100	Shaft	1	
11	H46-11200	Strap Stop	1	
12	H46-11300	Spur Wheel A	1	
13	H46-11500	Tensioning Wheel Shaft A	1	
14	H46-11700	Rear Gear A	3	
15	H46-12000	Bevel Gear A	1	
16	H46-12100	Bevel Gear A	1	
17	H46-12400	Bushing	1	
18	H46-12500	Strap Stop (For 16mm)	1	
	H46-12510	Strap Stop (For 12mm)	1	
19	H46-13100	Collar	1	
20	H46-21410	Collar (φ6)	1	
21	H46-51900	Washer	1	
30	BRFC0612	Bearing, FC0612	1	
31	BR6802ZZ	Bearing, 6802ZZ	1	
32	BR6807Z	Bearing, 6807Z	2	
33	BR6902-2RS	Bearing, 6902 2RS	1	
34	HFL1022	Bearing, 10×14×22	1	
35	H42-1212	Spring	1	
36	H44-10070	Washer	2	
37	MB1010	Metal Bushing, 1010	2	
38	MCO-A-183200	Spacer	1	
39	MWA-A-140050	Washer	1	
40	TLA1015	Needle Bearing, 1015	1	
41	SR15	Snap Ring, S-15	1	
42	TA-60100	TA-60100	1	

1
a.

TENSIONING UNIT
(For H-46A)

H46-10000
H46-10010

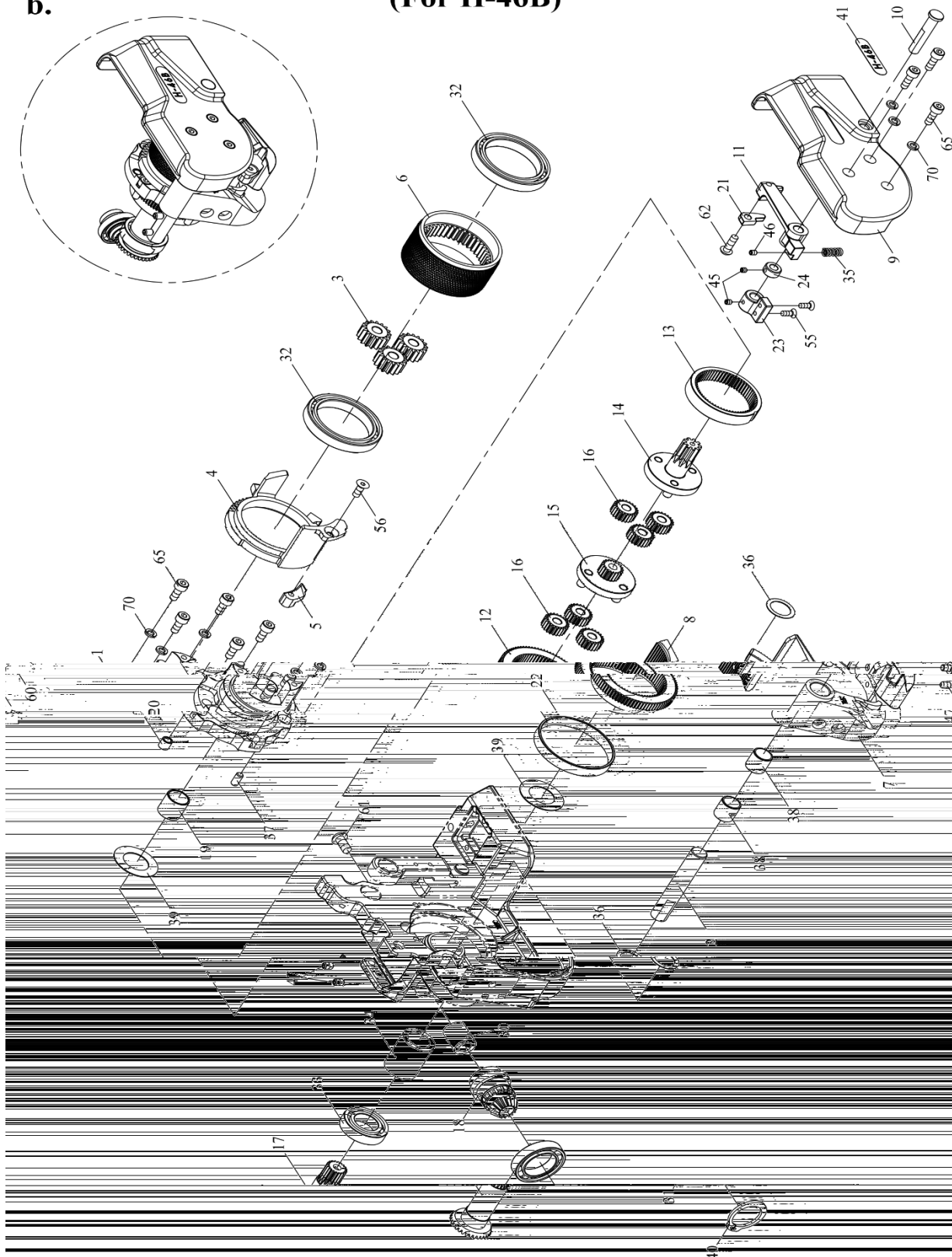
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
45	HSS0303N	HSS, M3×3 (N)	2	
46	HSS0305	HSS, M3×5	1	
47	HSS0406GN	HSS, M4×6 (G)(N)	3	
55	FHS0308N	FHS, M3×8 (N)	2	
56	FHS0410N	FHS, M4×10 (N)	1	
60	THS0405N	THS, M4×5 (N)	1	
61	THS0408N	THS, M4×8 (N)	1	
62	THS0412N	THS, M4×12 (N)	1	
65	HRS0412N	HRS, M4×12 (N)	8	
70	SW04	SW, M4		8

1

b.

TENSIONING UNIT **(For H-46B)**

H46-10020
H46-10030



1
b. **TENSIONING UNIT** **H46-10020**
(For H-46B) **H46-10030**

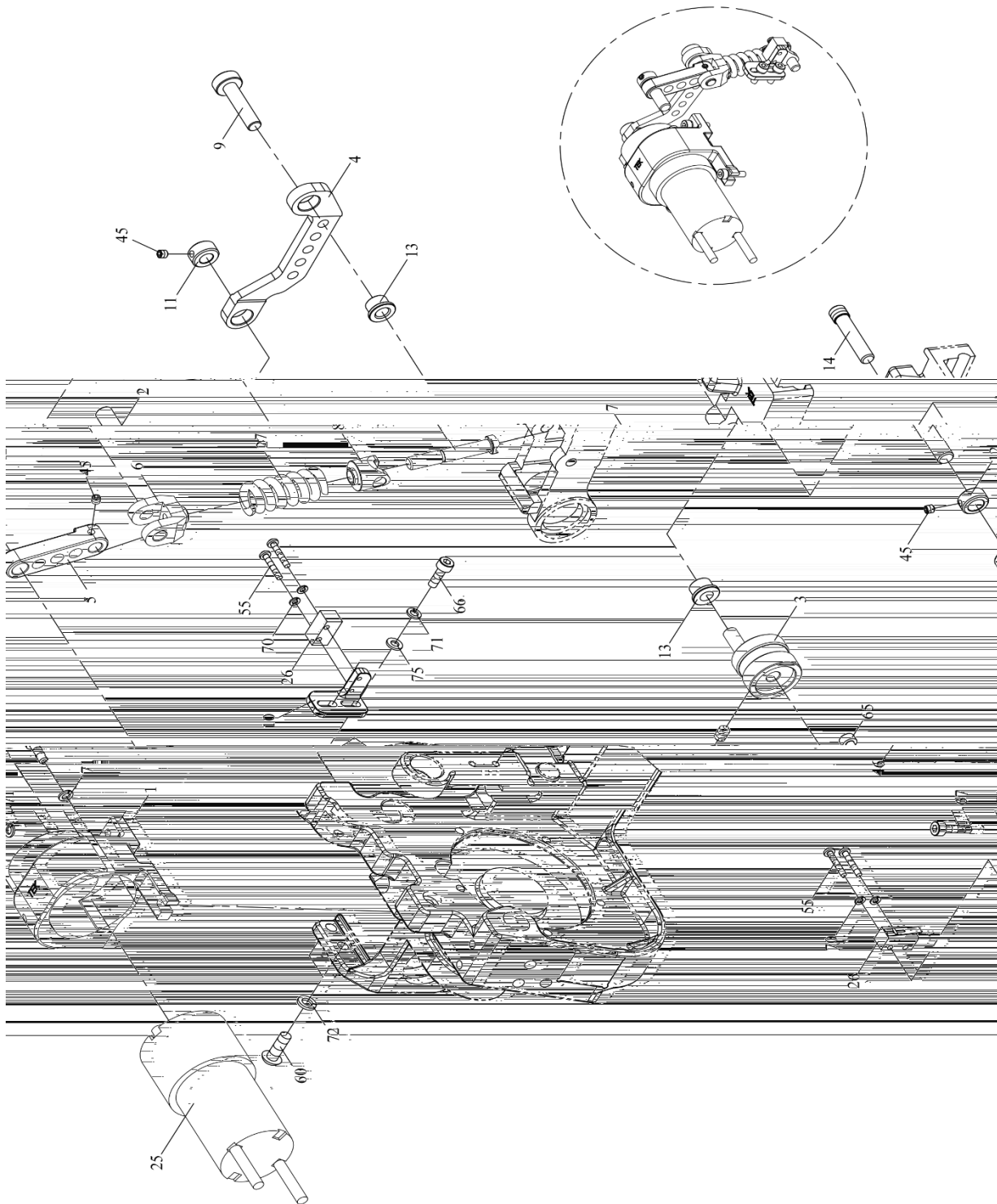
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	H46-10020	Tensioning Unit (For H-46B, 16mm)	1	
	H46-10030	Tensioning Unit (For H-46B, 19mm)	1	
1	H46-10210	Bracket B	1	
2	H46-10300	Swivel Shaft	1	
3	H46-10410	Front Gear B	3	
4	H46-10500	Cam Disk	1	
5	H46-10600	Strap Stop (Only 16mm)	1	
6	H46-10710	Tensioning Wheel B	1	
7	H46-10800	Tensioning Body	1	
8	H46-10900	Gripper	1	
9	H46-11000	End Cover	1	
10	H46-11100	Shaft	1	
11	H46-11200	Strap Stop	1	
12	H46-11310	Spur Wheel B	1	
13	H46-11320	Tension Gear	1	
14	H46-11510	Tensioning Wheel Shaft B	1	
15	H46-11520	Tension Shaft	1	
16	H46-11710	Rear Gear B	6	
17	H46-12010	Bevel Gear B	1	
18	H46-12110	Bevel Gear B	1	
19	H46-12300	Bushing	1	
20	H46-12400	Bushing	1	
21	H46-12500	Strap Stop (Only 16mm)	1	
22	H46-12700	Bushing	1	
23	H46-13100	Collar	1	
24	H46-21410	Collar (φ6)	1	
30	BRFC0612	Bearing, FC0612	1	
31	BR6802ZZ	Bearing, 6802ZZ	1	
32	BR6807Z	Bearing, 6807Z	2	
33	BR6902-2RS	Bearing, 6902-2RS	1	
34	HFL1426	Bearing, 14×20×26	1	
35	H42-1212	Spring	1	
36	H44-10070	Washer	2	
37	H44-10710	Lock Pin, 4×8	1	
38	MB1010	Metal Bushing, 1010	2	
39	MWA-A-140050	Washer	2	
40	SR15	Snap Ring, S-15	1	
41	LA-60110	Label	1	

1
b.

TENSIONING UNIT
(For H-46B)

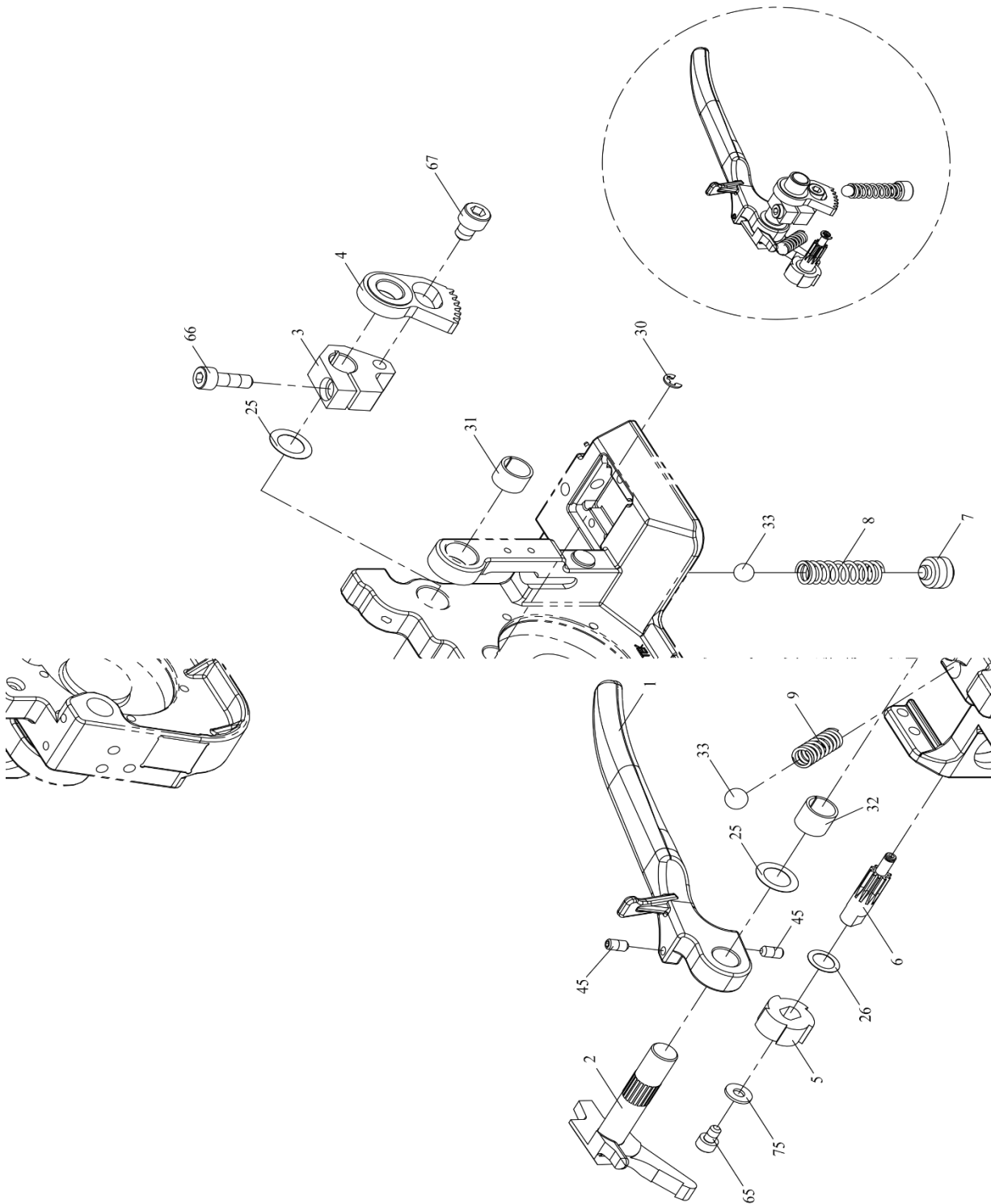
H46-10020
H46-10030

REF.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	45 HSS0303N	HSS, M3×3 (N)	2	
	46 HSS0305	HSS, M3×5	1	
	47 HSS0406GN	HSS, M4×6 (G)(N)	3	
	55 FHS0308N	FHS, M3×8 (N)	2	
	56 FHS0410N	FHS, M4×10 (N)(Only 16mm)	1	
	60 THS0405N	THS, M4×5 (N)	1	
	61 THS0408N	THS, M4×8 (N)	1	
	62 THS0412N	THS, M4×12 (N)(Only 16mm)	1	
	65 HBS0412N	HBS, M4×12 (N)	8	
	70 SW04	SW, M4	8	



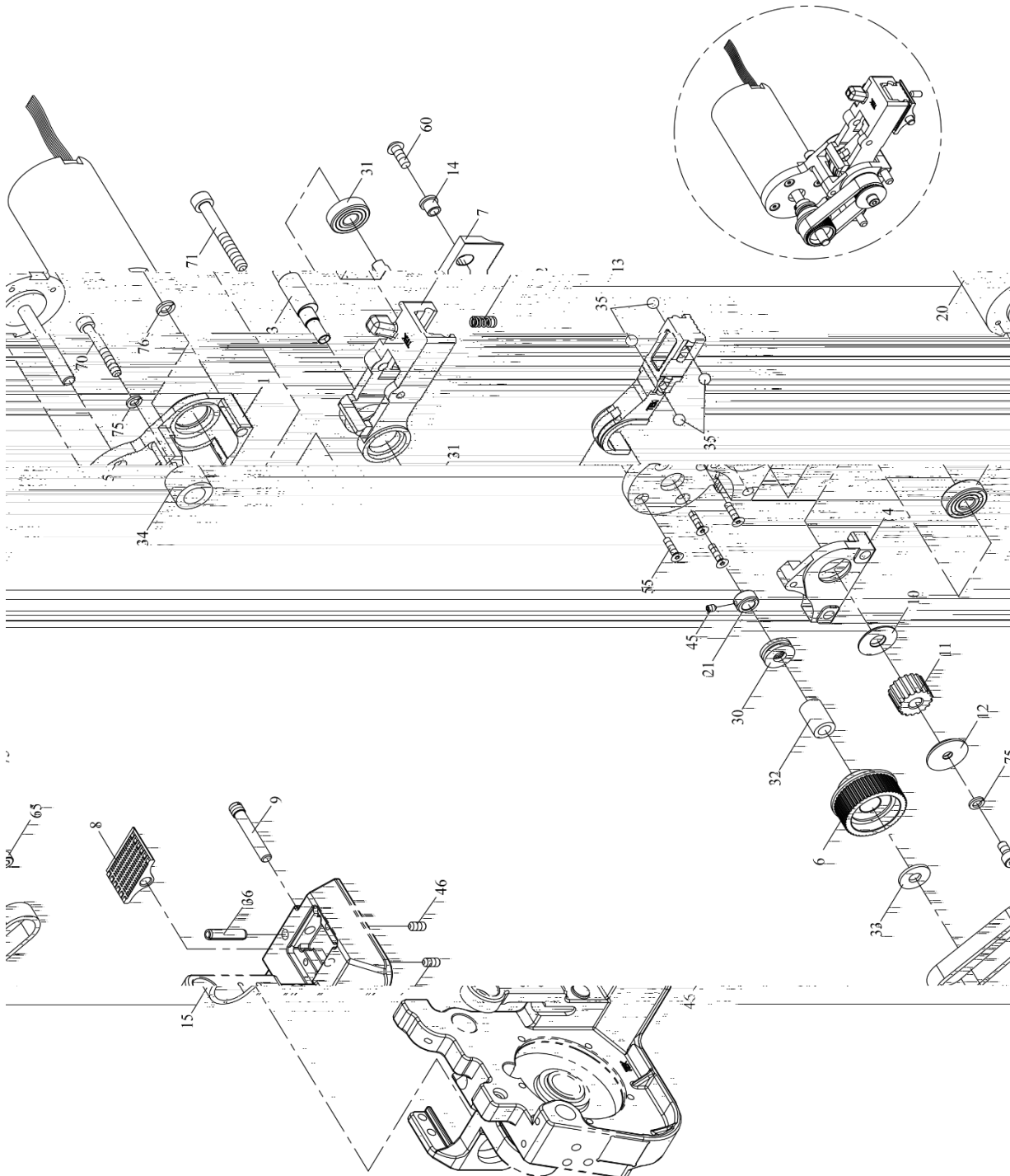
2
GRIPPER UNIT
H46-20000

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	H46-20200	M2 Bracket	1	
2	H46-20300	Shaft	1	
3	H46-20400	Eccentric Shaft	1	
4	H46-20500	Lever	1	
5	H46-20600	Lever	1	
6	H46-20700	Upper Linkage	1	
7	H46-20800	Shaft	1	
8	H46-21000	Lower Linkage	1	
9	H46-21100	Shaft	1	
10	H46-21310	Bracket	1	
11	H46-21400	Collar (φ5)	1	
12	H46-21410	Collar (φ6)	1	
13	H46-21600	Bushing	2	
14	H46-40600	Pin	1	
25	H45-20080	M2 Motor	1	
26	H45-20090	Micro Switch	2	
27	MSP-F-3514000	Spring	1	
45	HSS0303N	HSS, M3×3 (N)	3	
46	HSS0406GN	HSS, M4×6 (G)(N)	2	
55	PMS0210N	PMS, M2×10 (N)	4	
60	THS0412N	THS, M4×12 (N)	2	
65	HBS0308N	HBS, M3×8 (N)	1	
66	HBS0310N	HBS, M3×10 (N)	2	
67	HBS0312N	HBS, M3×12 (N)	2	
70	SW02	SW, M2	4	
71	SW03	SW, M3	5	
72	SW04	SW, M4	2	
75	PW03	PW, M3	2	



3
LINKAGE UNIT
H46-30000

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	H46-30100	Handle Lever	1	
2	H46-30200	Handle Cam	1	
3	H46-30300	Block	1	
4	H46-30400	Toothed Lever	1	
5	H46-30600	Pawl Wheel	1	
6	H46-30700	Pawl Shaft	1	
7	H46-30800	Set Screw	1	
8	H46-30900	Spring	1	
9	H46-31000	Spring	1	
25	H44-10070	Washer	2	
26	H45-10250	Washer	1	
30	ER03	Snap Ring, E-3	1	
31	MB1008	Metal Bushing, 1008	1	
32	MB1010	Metal Bushing, 1010	1	
33	SB07	Ball, $\phi 7$	2	
45	HSS0408GN	HSS, M4 $\times$ 8 (G)(N)	2	
65	HBS0406N	HBS, M4 $\times$ 6 (N)	1	
66	HBS0516N	HBS, M5 $\times$ 16 (N)	1	
67	HBS0608N	HBS, M6 $\times$ 8 (N)	1	
75	PW04	PW, M4	1	



4
SEALING & CUTTING UNIT
H46-40000

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	H46-40100	Motor Support	1	
2	H46-40200	Swivel Bracket	1	
3	H46-40300	Welding Eccentric	1	
4	H46-40400	Motor Support	1	
5	H46-40500	Welding Shoe	1	
6	H46-40800	Pully	1	
7	H46-40900	Cutter	1	
8	H46-41000	Welding Stop Gripper	1	
9	H46-41100	Bolt	1	
10	H46-41500	Washer	1	
11	H46-41600	Gear	1	
12	H46-41700	Washer	1	
13	H46-42000	Spring	1	
14	H46-42200	Cutter Bushing	1	
15	H46-42300	Belt	1	
20	H46-10120	M1 Motor A'ssy	1	
21	H46-21410	Collar (φ6)	1	
30	BRF6-14M	Thrust Bearing, F6-14M	1	
31	BR607ZZ	Bearing, 607ZZ	2	
32	HFL0615-I	Bearing, 6×10×15	1	
33	JTM-0615-015	Thrust Washer	1	
34	TA1012	Needle Bearing, 1012	1	
35	SB05	Ball, φ5	4	
36	SP0520	Spring Pin, 5×20	1	
45	HSS0303N	HSS, M3×3 (N)	1	
46	HSS0408GN	HSS, M4×8 (G)(N)	2	
55	FHS0310N	FHS, M3×10 (N)	4	
60	THS0410N	THS, M4×10 (N)	1	
65	HBS0410N	HBS, M4×10 (N)	1	

H46-40000

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
70	HBS0430HN	HBS, M4×30 (H)(N)	1	
71	HBS0545HN	HBS, M5×45 (H)(N)	2	
75	SW04	SW, M4	2	
76	SW05	SW, M5	2	



5
BODY FRAME UNIT
H46-50000
H46-50010

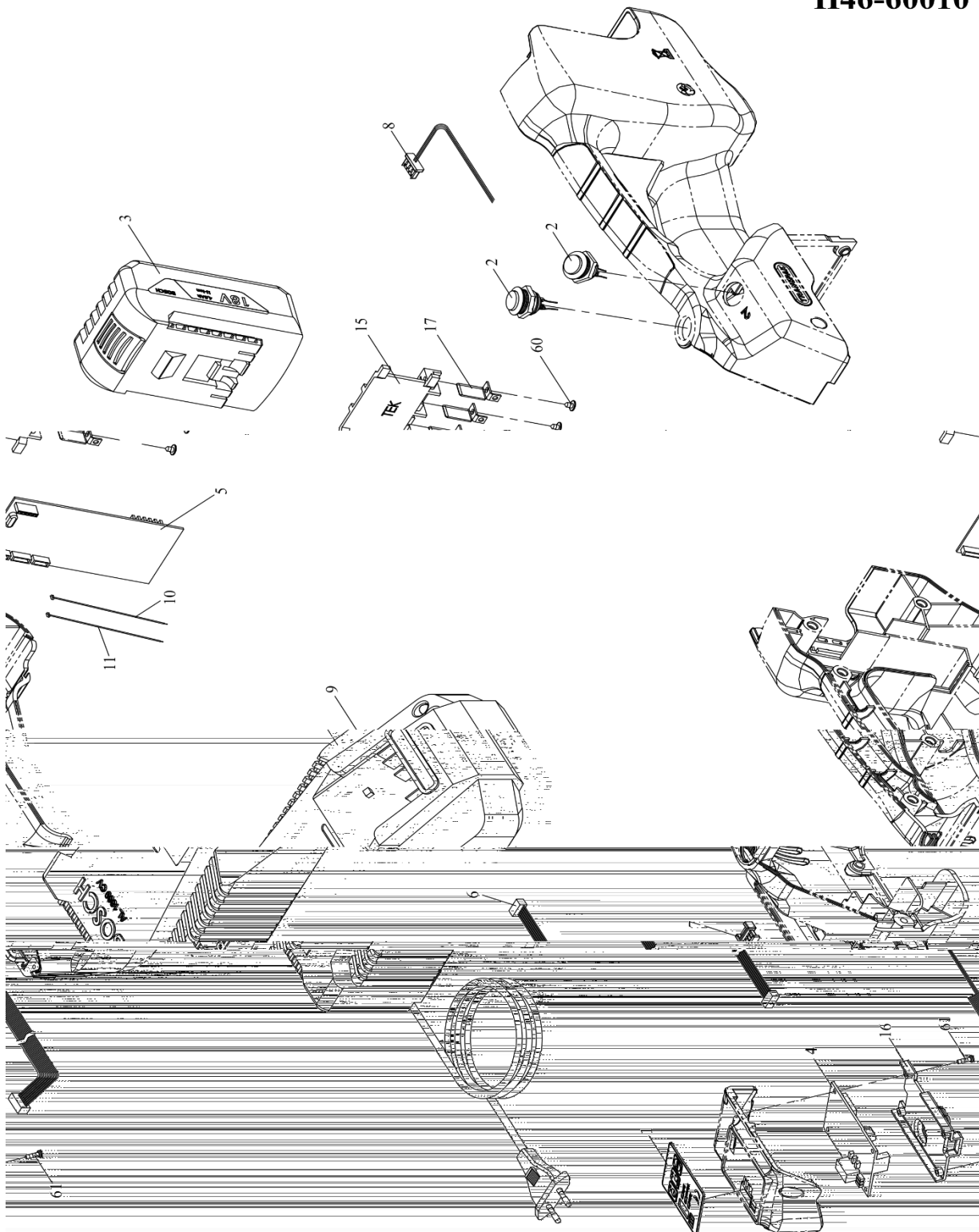
REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
1	H46-50000	Body Frame Unit (For H-46A)	1	
	H46-50010	Body Frame Unit (For H-46B)	1	
	H46-50100	Body Frame (For H-46A)	1	
	H46-50110	Body Frame (For H-46B)	1	
2	H46-50300	Suspension Bracket (Option)	1	
3	H46-50800	Cover Front	1	
4	H46-50900	Cover Rear	1	
5	H46-51000	M1 Cover Upper	1	
6	H46-51200	Cover	1	
7	H46-51210	Cover	1	
8	H46-51500	Bottom Base Wearing Protection Plate	1	
		(Option)		
	9 H46-51800	Bottom Base Protection Plate (Option)		1
	10 H46-52000	Bottom Base Protection Plate		1
	11 H46-52100	Bottom Base Wearing Protection Plate Set (Option)		1
	12 H46-52200	Suspension Bracket Set (Option)		1
	25 LA-60120	Label		1
	30 MB0810	Metal Bushing, 0810 (For H-46A)		1
	MB0812	Metal Bushing, 0812 (For H-46B)		1
	50 FHS0410N	FHS, M4×10 (N)(Option)		6
	55 TMS0410N	TMS, M4×10 (N)		3
	56 TMS0420N	TMS, M4×20 (N)		2
	60 TTP0312BN	TTP, M3×12 (B)(N)		4
	61 TTP0425BN	TTP, M4×25 (B)(N)		6
	65 HBS0516N	HBS, M5×16 (N)(Option)		2
	67 HSS0405GN	HSS, M4×5 (G)(N)		1
	70 SW05	SW, M5 (Option)		2

6

BATTERY UNIT

H46-60000

H46-60010



6
BATTERY UNIT
H46-60000
H46-60010

REF. NO.	PART NO.	DESCRIPTION	Q'TY	REMARKS
	H46-60000	Battery Unit (For H-46A, 220V/230V/240V)	1	
	H46-60010	Battery Unit (For H-46A, 110V)	1	
	H46-60020	Battery Unit (For H-46B, 220V/230V/240V)	1	
	H46-60030	Battery Unit (For H-46B, 110V)	1	
1	H46-60100	Control Panel	1	
2	H46-60200	Push Button Switch	2	
3	H46-60300	Battery	1	
4	H46-60400	Control P.C.B (For H-46A)	1	
	H46-60410	Control P.C.B (For H-46B)	1	
5	H46-60500	Power P.C.B	1	
6	H46-60600	Wire Ass'y	1	
7	H46-60800	Position Wire	1	
8	H46-60900	Switch Wire	1	
9	H46-61000	Li-Ion Battery Charger (For 110V)	1	
	H46-61010	Li-Ion Battery Charger (For 220V/230V/240V)	1	
10	H46-61100	Wire For M2 (Black)	1	
11	H46-61110	Wire For M2 (White)	1	
15	H46-51100	Adapter Frame	1	
16	H46-51300	Cover	1	
17	H46-51400	Adapter Pole	3	
60	TTP0306	TTP, M3×6	3	
61	TTP2.510N	TTP, M2.5×10 (N)	2	