



# PARTS LIST

## Magical Balancer

EDB-50/EDB-85/EDB-130



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This Parts List covers products from 2020 onwards. Please contact us for any inquiries regarding other parts of the product.

HMP-0002b  
Issued in December 2020

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## 1. Introduction

- Please use only genuine parts for replacements or repairing.

- Scope of the parts list

This parts list shows parts for the Magical Balancer EDB series. Models are as below.

Model	Air pressure (MPa)	Capacity (kg)	Mass (kg)※	Stroke (m)	Dia of wire rope (mm)	Air inlet	Power supply voltage	Rated current
EDB-50	0.4	20	42	1.9	φ 4.76	Rc 1/2	single phase AC100V-240V	AC 0.7A (AC100V) AC 0.7A (AC115V) AC 0.4A (AC240V)
	0.5	30						
	0.6	40						
	0.7	50						
EDB-85	0.4	40	43					
	0.5	55						
	0.6	70						
	0.7	85						
EDB-130	0.4	61	50					
	0.5	84						
	0.6	107						
	0.7	130						

※With the optional trolley, there is an additional 6kg approximately.

- How to find the part from the list

Please refer the reference number on the exploded view and choose the part from the list according to its reference number.

- How to order the part

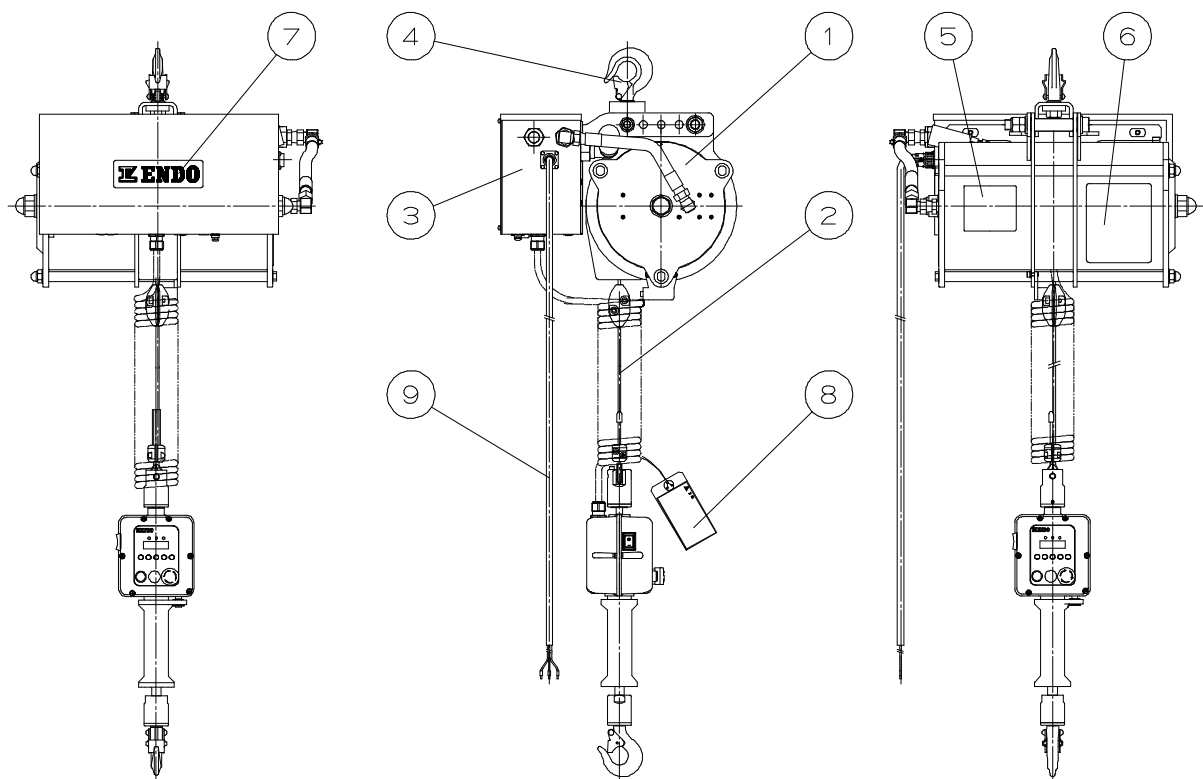
Please inform us or our distributors of the part information which include the part number, the description, quantity and the model.

Example

model:EDB-50 part number:P2H301200 description:case quantity:1

## 2. Exploded view and Parts list

### Magical Balancer parts list



Ref. No.	Part No.	Description	Quantity			Note
			EDB-50	EDB-85	EDB-130	
1	LHP002824	Magical Balancer main body	1	-	-	
1	LHP002825	Magical Balancer main body	-	1	-	
1	LHP002826	Magical Balancer main body	-	-	1	
2	LHP002821	Wire rope assembly	1	1	1	
3	LHP002810	control module assembly	1	1	-	
3	LHP002822	control module assembly	-	-	1	
4	LHP002146	Hook compl.	1	1	1	
5	P2H301554	Name plate	1	-	-	
5	P2H301555	Name plate	-	1	-	
5	P2H301556	Name plate	-	-	1	
6	P2H301149	Warning label	1	1	1	
7	P2H300777	Name plate	1	1	1	
8	P2H300779	Tag	1	1	1	
9	LHP002846	Power cable	1	1	1	

## 2-1 Parts List Magical Balancer main body

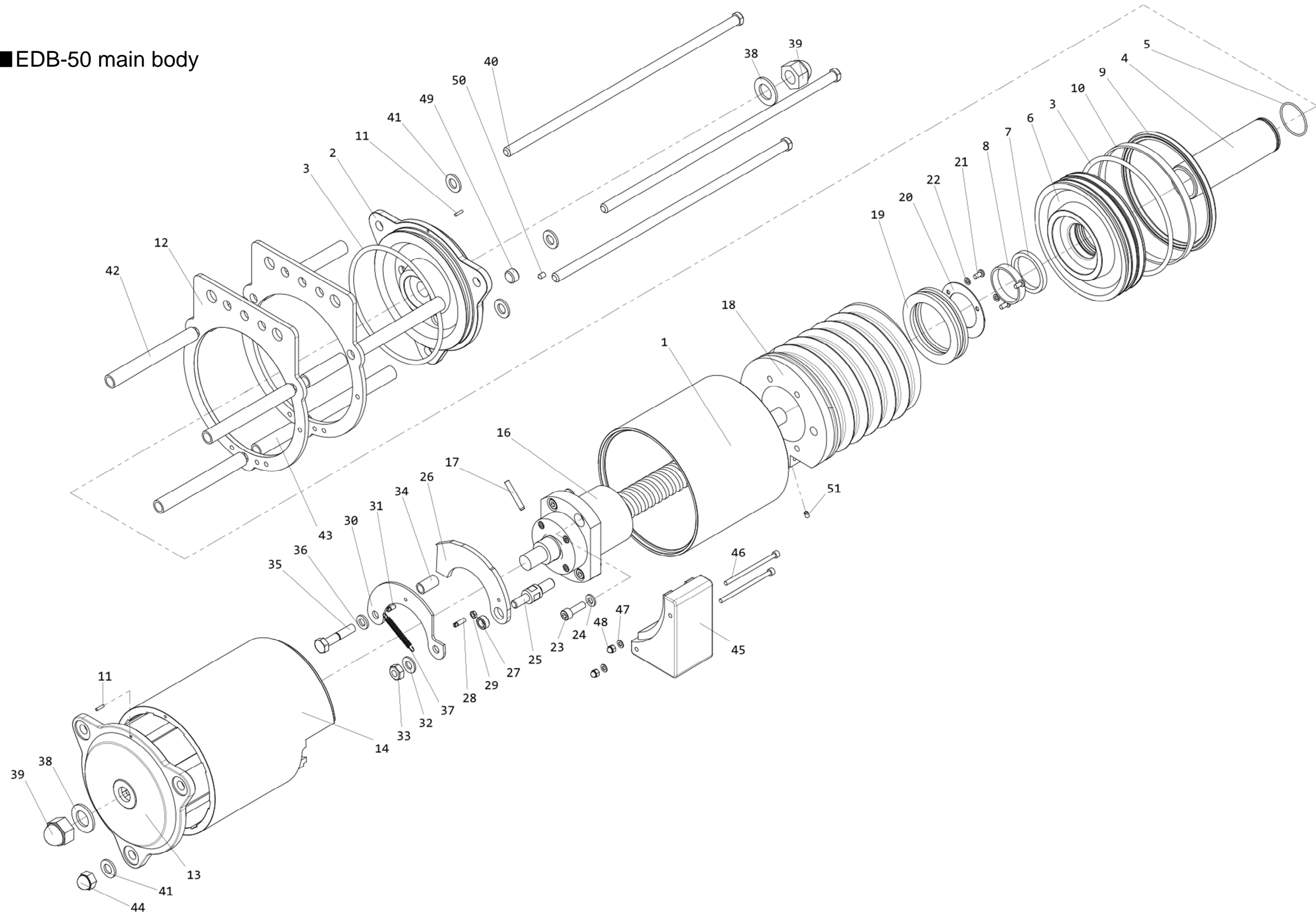
### 2-1-1. Parts list EDB-50

Ref. No.	Part No.	Description	Quantity	Note
1	LHP002824	Magical Balancer main body	1	For EDB-50

Ref. No.	Part No.	Description	Quantity	Note
1	P2H301200	Case	1	
2	P2H200241	End cap	1	
• 3	KA50301500	O-ring	2	
4	P2H301137	Ball screw cover	1	
• 5	KA50200420	O-ring	1	
6	P2H200242	Piston	1	
• 7	P2H402349	Packing	1	
• 8	P2H402350	Wear ring	1	
• 9	P2H402470	Packing	1	
• 10	P2H402471	Wear ring	1	
11	KA42510312	Spring pin	2	
12	P2H301201	Hanger	2	
13	P2H200243	End cap	1	
14	P2H200244	Ratchet wheel	1	
16	P2H301139	Ball screw	1	
17	P2H402353	Pin	1	
18	P2H200235	Drum	1	
19	KA60401140	Thrust bearing	1	
20	P2H402354	Plate	1	
21	KA10120510	Machine screw	3	
22	KA31120500	Spring washer	3	
23	KA00910825	Cap screw	4	
24	KA31120800	Spring washer	4	
25	P2H402355	Shaft	1	
26	P2H301140	Ratchet	1	
27	P2H402356	Collar	1	
28	P2S400020	Pin	1	
29	KA20320500	Hex. nut	1	
30	P2H402357	Plate	1	
31	P2H402358	Pin	1	
32	KA30221000	Washer	1	
33	KA25521002	U-nut	1	
34	P2H402359	Pipe	1	
35	KA00121044	Hex. bolt	1	
36	KA31121000	Spring washer	1	
37	P2H402360	Spring	1	
38	KA30222000	Washer	2	
39	KA25722001	U-nut	2	
40	P2H402361	Bolt	3	
41	KA30221200	Washer	6	
42	P2H402362	Pipe	6	
43	P2H402363	Pipe	3	
44	KA25721202	U-nut	3	
• 45	P2H301202	Wire guide	1	
46	P2H402364	Cap screw	2	
47	KA30220500	Washer	2	
48	KA25720502	U-nut	2	
49	P2H400137	Plug	2	
50	KA16410610	Set screw	8	
51	P2H402976	Set screw	1	



■ EDB-50 main body

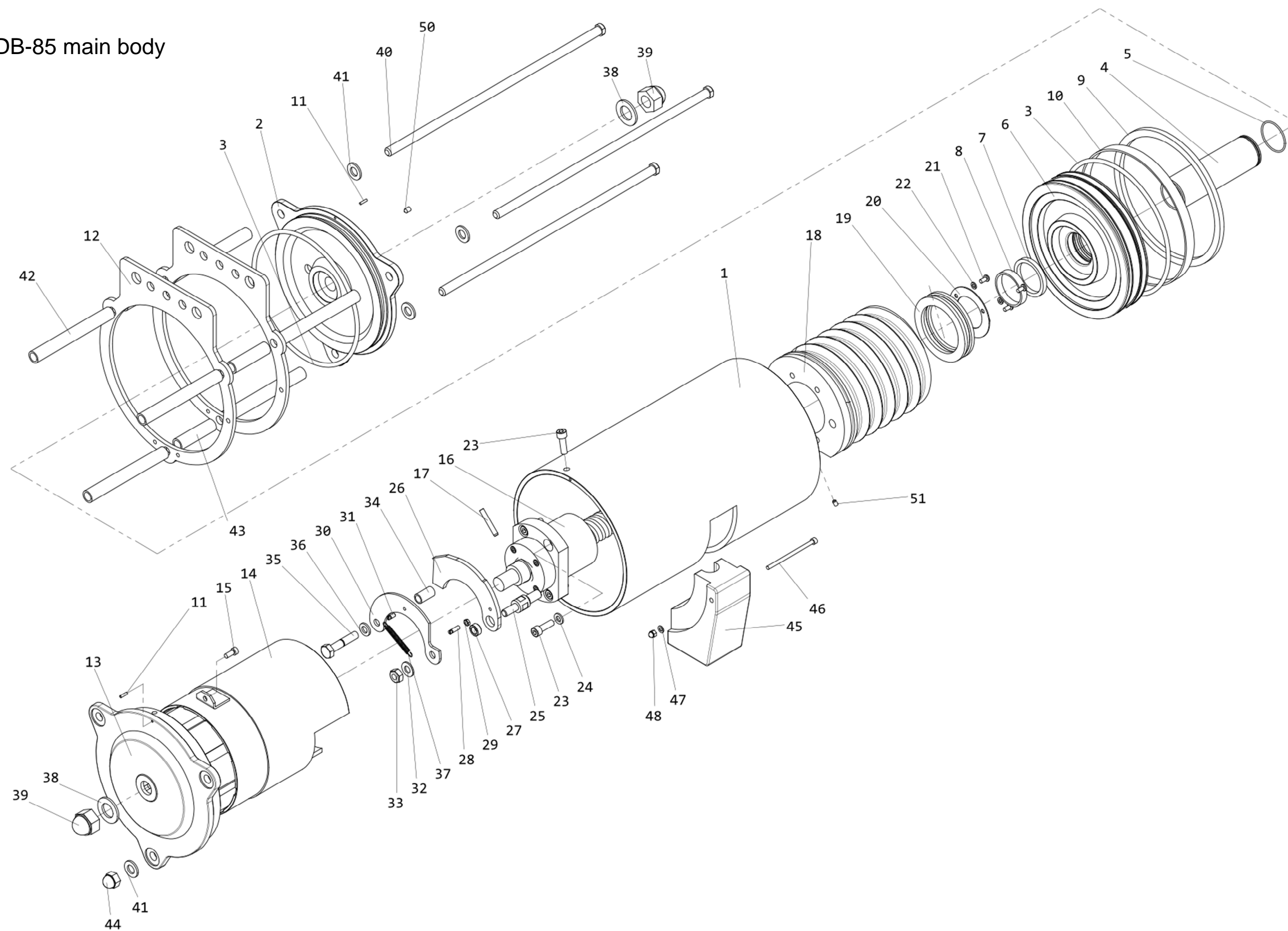


## 2-1-2. Parts list EDB-85

Ref. No.	Part No.	Description	Quantity	Note
1	LHP002825	Magical Balancer main body	1	For EDB-85

Ref. No.	Part No.	Description	Quantity	Note
1	P2H301136	Case	1	
2	P2H200232	End cap	1	
• 3	KA50301900	O-ring	2	
4	P2H301137	Ball screw cover	1	
• 5	KA50200420	O-ring	1	
6	P2H200233	Piston	1	
• 7	P2H402349	Packing	1	
• 8	P2H402350	Wear ring	1	
• 9	P2H402351	Packing	1	
• 10	P2H402474	Wear ring	1	
11	KA42510312	Spring pin	2	
12	P2H301138	Hanger	2	
13	P2H200234	End cap	1	
14	LHP001903	Ratchet wheel	1	
15	KA00910614	Cap screw	2	
16	P2H301139	Ball screw	1	
17	P2H402353	Pin	1	
18	P2H200235	Drum	1	
19	KA60401140	Thrust bearing	1	
20	P2H402354	Plate	1	
21	KA10120510	Machine screw	3	
22	KA31120500	Spring washer	3	
23	KA00910825	Cap screw	5	
24	KA31120800	Spring washer	4	
25	P2H402355	Shaft	1	
26	P2H301140	Ratchet	1	
27	P2H402356	Collar	1	
28	P2S400020	Pin	1	
29	KA20320500	Hex. nut	1	
30	P2H402357	Plate	1	
31	P2H402358	Pin	1	
32	KA30221000	Washer	1	
33	KA25521002	U-nut	1	
34	P2H402359	Pipe	1	
35	KA00121044	Hex. bolt	1	
36	KA31121000	Spring washer	1	
37	P2H402360	Spring	1	
38	KA30222000	Washer	2	
39	KA25722001	U-nut	2	
40	P2H402361	Bolt	3	
41	KA30221200	Washer	6	
42	P2H402362	Pipe	6	
43	P2H402363	Pipe	3	
44	KA25721202	U-nut	3	
• 45	P2H301145	Wire guide	1	
46	P2H402364	Cap screw	1	
47	KA30220500	Washer	1	
48	KA25720502	U-nut	1	
50	KA16410610	Set screw	8	
51	P2H402976	Set screw	1	

■ EDB-85 main body

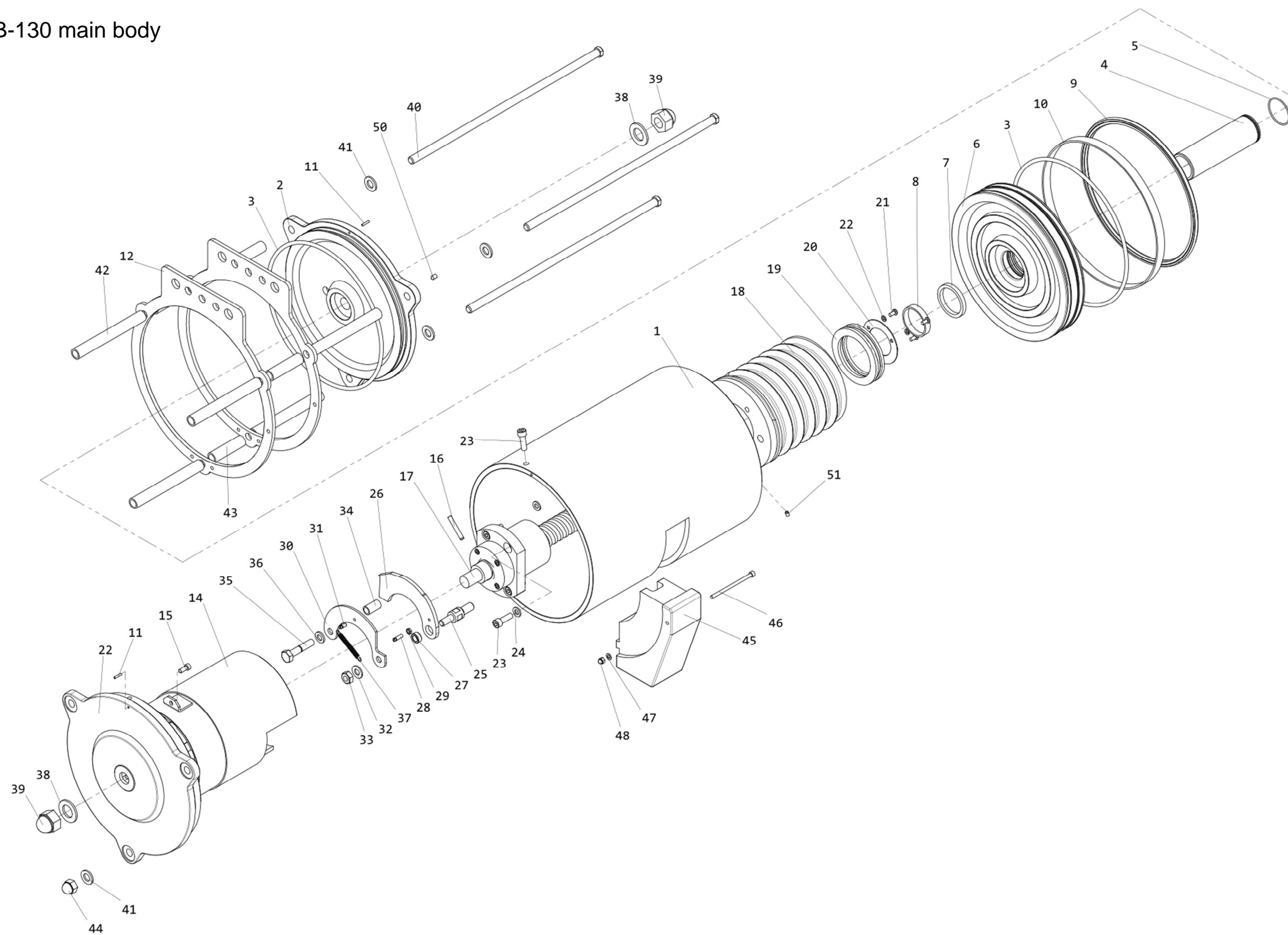


## 2-1-3. Parts list EDB-130

Ref. No.	Part No.	Description	Quantity	Note
1	LHP002826	Magical Balancer main body	1	For EDB-130

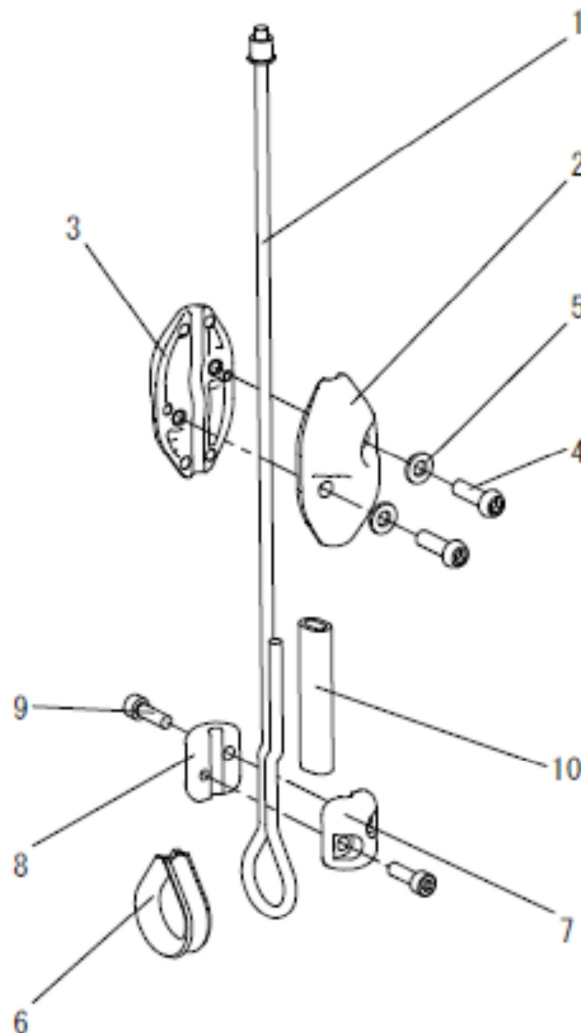
Ref. No.	Part No.	Description	Quantity	Note
1	P2H301214	Case	1	
2	P2H200245	End cap	1	
• 3	KA50312400	O-ring	2	
4	P2H301137	Ball screw cover	1	
• 5	KA50200420	O-ring	1	
6	P2H200247	Piston	1	
• 7	P2H402349	Packing	1	
• 8	P2H402350	Wear ring	1	
• 9	P2H402501	Packing	1	
• 10	P2H402502	Wear ring	1	
11	KA42510314	Spring pin	2	
12	P2H301215	Hanger	2	
13	P2H200246	End cap	1	
14	LHP001903	Ratchet wheel	1	
15	KA00910614	Cap screw	2	
16	P2H301139	Ball screw	1	
17	P2H402353	Pin	1	
18	P2H200235	Drum	1	
19	KA60401140	Thrust bearing	1	
20	P2H402354	Plate	1	
21	KA10120510	Machine screw	3	
22	KA31120500	Spring washer	3	
23	KA00910825	Cap screw	5	
24	KA31120800	Spring washer	4	
25	P2H402355	Shaft	1	
26	P2H301140	Ratchet	1	
27	P2H402356	Collar	1	
28	P2S400020	Pin	1	
29	KA20320500	Hex. nut	1	
30	P2H402357	Plate	1	
31	P2H402358	Pin	1	
32	KA30221000	Washer	1	
33	KA25521002	U-nut	1	
34	P2H402359	Pipe	1	
35	KA00121044	Hex. bolt	1	
36	KA31121000	Spring washer	1	
37	P2H402360	Spring	1	
38	KA30222000	Washer	2	
39	KA25722001	U-nut	2	
40	P2H402505	Bolt	3	
41	KA30221200	Washer	6	
42	P2H402362	Pipe	6	
43	P2H402363	Pipe	3	
44	KA25721202	U-nut	3	
• 45	P2H301216	Wire guide	1	
46	P2H402364	Cap screw	1	
47	KA30220500	Washer	1	
48	KA25720502	U-nut	1	
50	KA16410610	Set screw	8	
51	P2H402976	Set screw	1	

■ EDB-130 main body



## 2-2. Parts List Wire rope assembly

Ref. No.	Part No.	Description	Quantity	Note
2	LHP002821	Wire rope assembly	1	



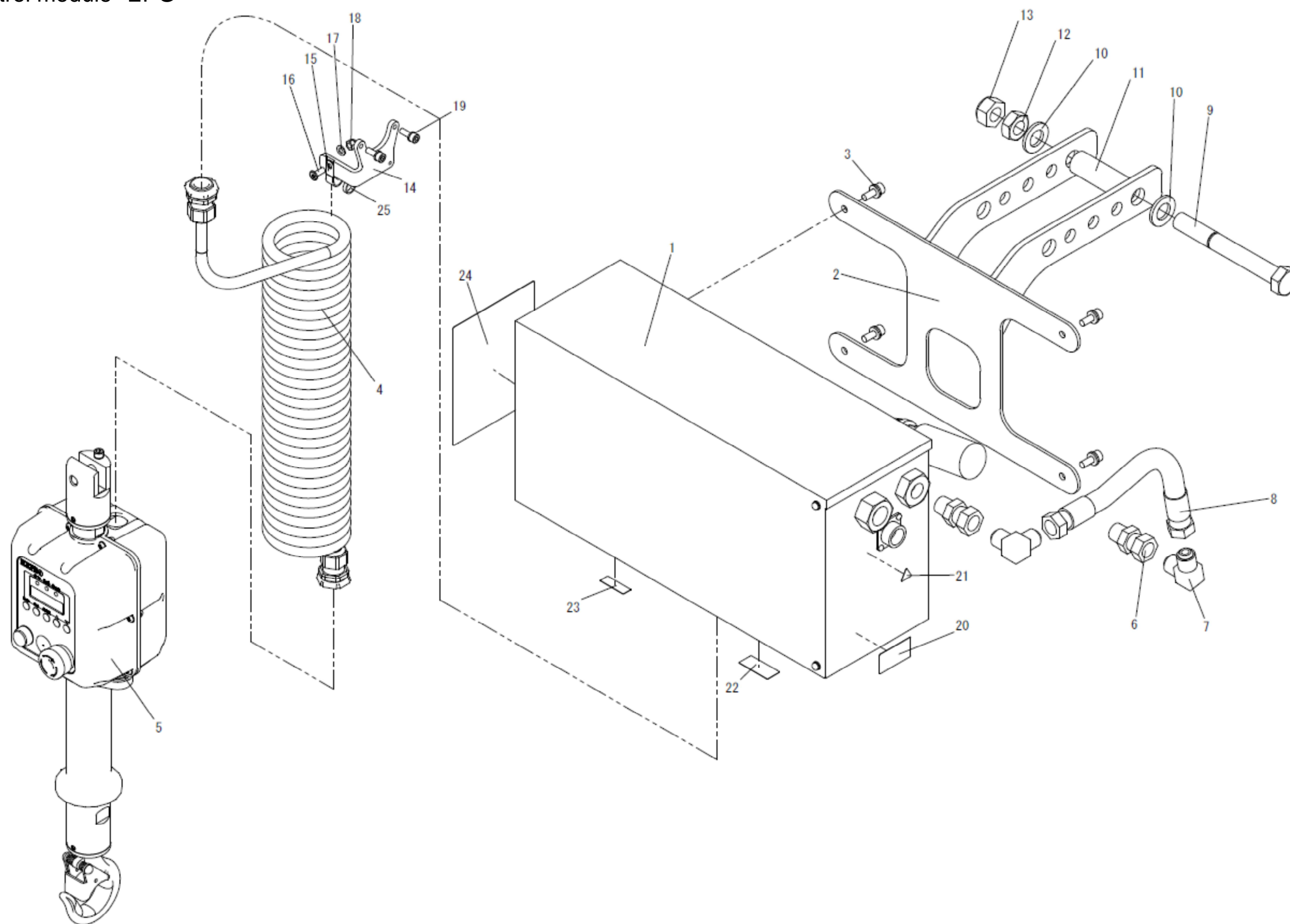
Ref. No.	Part No.	Description	Quantity	Note
• 1	LHP001904	—Wire rope	1	
-	LHP002820	—Stopper assembly	1	
2	—	Stopper	1	
3	—	Stopper	1	
4	—	Button head cap screw	2	
5	—	Spring washer	2	
6	P2B400067	—Thimble	1	
-	LHP002823	—Wire clip set	1	
7	—	Wire clip	1	
8	—	Wire clip	1	
9	—	Cap screw	2	
10	P2H403445	—Tube	1	

## 2-3. Parts List Control module assembly

Ref. No.	Part No.	Description	Quantity	Note
3	LHP002810	Control module assembly	1	For EDB-50 and EDB-85
3	LHP002822	Control module assembly	1	For EDB-130

Ref. No.	Part No.	Description	Quantity	Note
1	LHP002802	Control box assembly	1	
2	LHP002800	Bracket	1	For EDB-50 and EDB-85
2	LHP002818	Bracket	1	For EDB-130
3	P2H403441	Cap screw	4	
4	LHP002794	Curl code assembly	1	
5	LHP002791	Grip switch	1	
6	P2H402460	Adapter	2	
7	P2H402461	Adapter	2	
8	P2H301191b	Hose	1	
9	KA00171667	Hex. bolt	1	
10	KA30221600	Washer	2	
11	P2H402475	Pipe	1	
12	KA20321600	Hex. nut	1	
13	KA25521601	U-nut	1	
14	P2H301549	Bracket	1	
15	P2H403431	Cable clip	1	
16	P2B402580	Low head bolt	1	
17	KA30220500	Washer	1	
18	KA25520502	U-nut	1	
19	P2H403442	Low head bolt	4	
20	P2H301552	Name plate	1	
21	P2B402479	Warning label	1	
22	P2H403425	Label	1	
23	P2H403428	Label	1	
24	P2H301558	Error code table	1	
25	P2H403487	Cable tie	1	

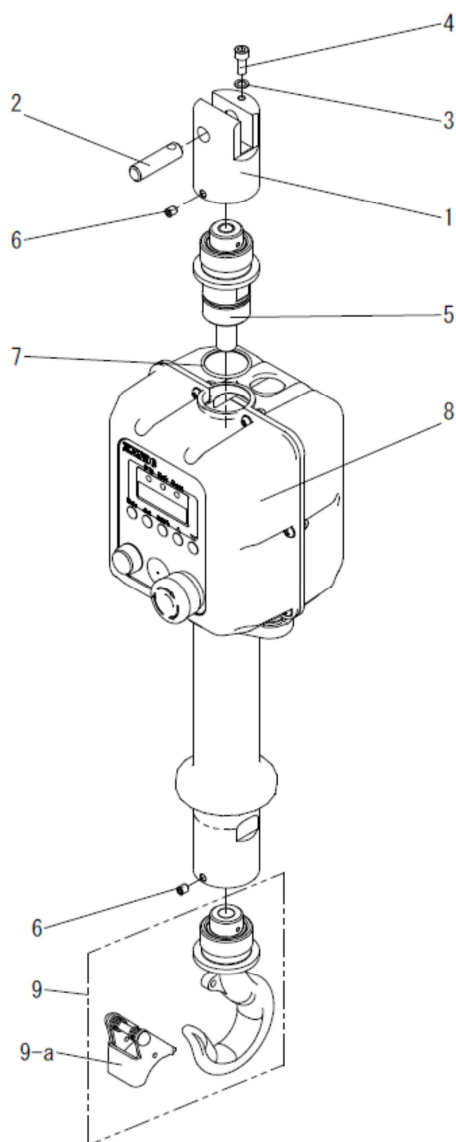
■ Control module EPG





## 2-3-1. Parts List Grip controller assembly

Ref. No.	Part No.	Description	Quantity	Note
5	LHP002791	Grip controller assembly	1	



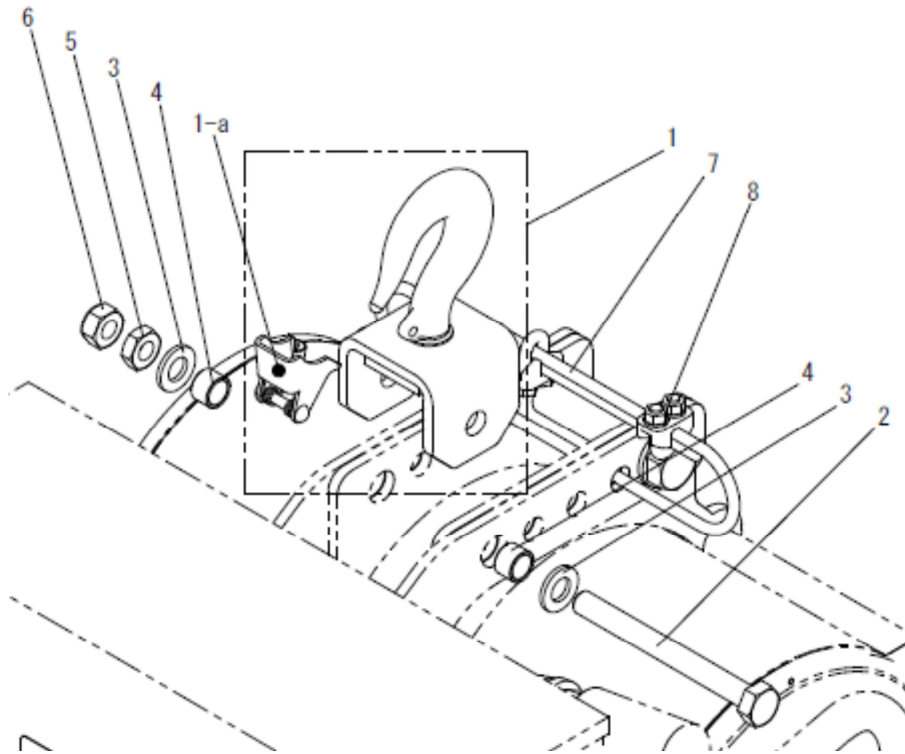
Ref. No.	Part No.	Description	Quantity	Note
1	P2H300665b	Hook holder	1	
2	P2H401218	pin	1	
3	KA32410520	Spring washer	1	
4	KA00910512	Cap screw	1	
5	LHP002829	Swivel adapter assembly	1	
6	KA16510506	Set screw	1	
7	KA50200260	O-ring	1	
8	—	Grip switch	1	
9	LHP002830	Hook compl.	1	

sub assembly

Ref. No.	Part No.	Description	Quantity	Note
9-a	LHP001674	Hook latch set	1	

## 2-4. Parts List Upper hook

Ref. No.	Description	Quantity	Note
LHP002146	Hook compl.	1	



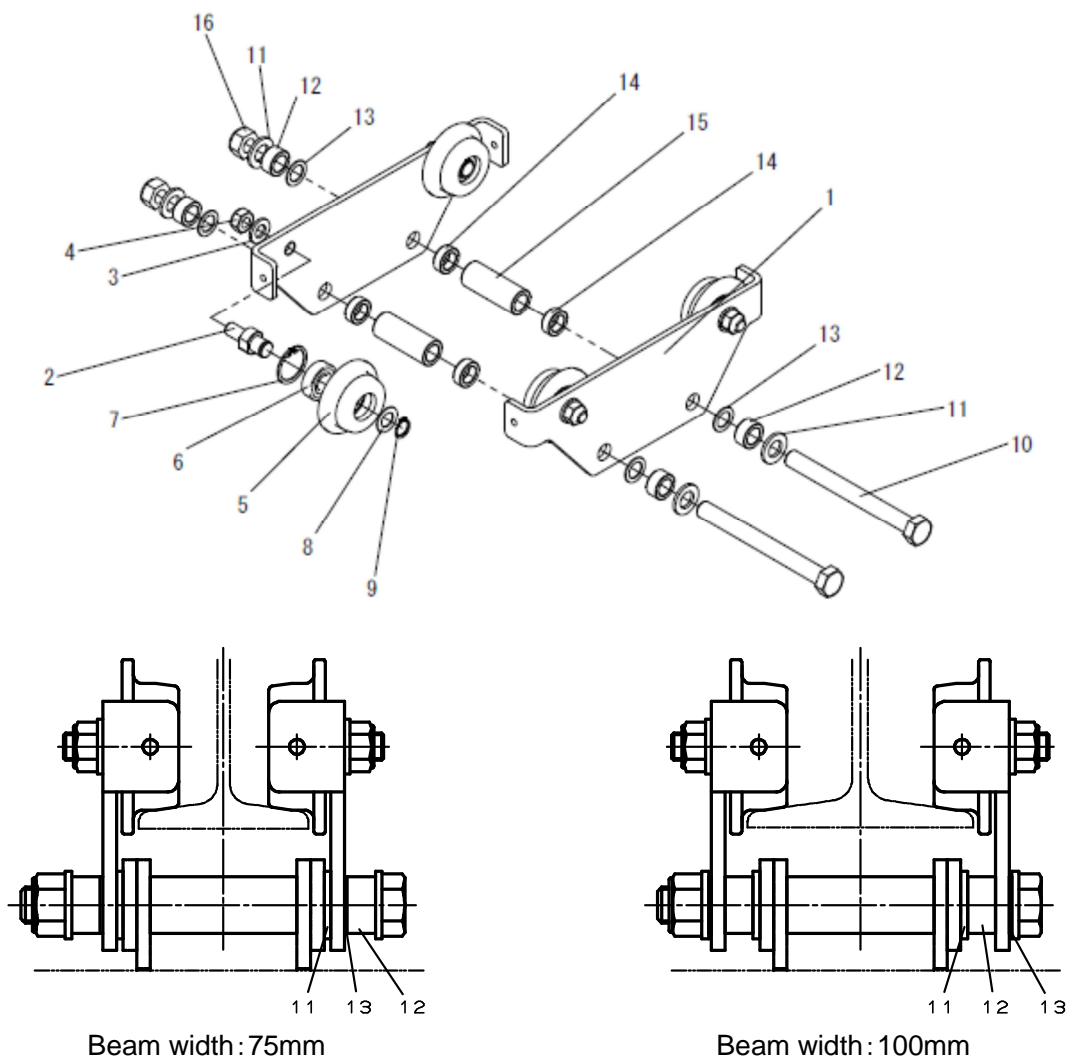
Ref. No.	Part No.	Description	Quantity	Note
1	LHP001918	Hook compl.	1	
2	KA00171265	Hex. bolt	1	
3	KA30221200	Washer	2	
4	P2H402478	Collar	2	
5	KA20321200	Hex. nut	1	
6	KA25521202	U-nut	1	
• 7	P2H401776	Wire rope	1	
8	P2B400261	Wire clip	2	

### sub assembly

Ref. No.	Part No.	Description	Quantity	Note
1-a	LHP000470	Hook latch set	1	

## 2-5. Parts list Trolley assembly (special specification)

Part No.	Description	Quantity	Note
LHP001899	Trolley	1	



Ref. No.	Part No.	Description	Quantity	Note
1	P2H300936	Plate	2	
2	P2B400885	Shaft	4	
3	KA30221200	Washer	4	
4	KA25521202	U-nut	4	
5	P2B400886	Wheel	4	
6	KA60104022	Ball bearing	4	
7	KA40210035	Retaining ring	4	
8	P2H400400	Washer	4	
9	KA40110015	Retaining ring	4	
10	P2H401996	Hex. bolt	2	
11	KA30221600	Washer	8	
12	P2H401997	Collar	4	
13	P2H402427	Collar	4	
14	P2H402425	Collar	4	It is not used with Magical balancers.
15	P2H402426	Collar	2	
16	KA25521601	U-nut	2	

# 遠藤工業株式会社

本社営業部	新潟県燕市秋葉町3丁目14番7号 〒959-1261 電話(0256)62-5133番 FAX (0256)62-5772番
工場	新潟県燕市小池5181 〒959-1276 電話(0256)62-5136番 FAX (0256)66-3291番
東京営業部	東京都千代田区神田東松下町12-2 JBSL神田ビル2F 〒101-0042 電話(03)5295-3711番(代表) FAX (03)5295-3717番
大阪営業部	大阪市浪速区幸町2丁目3番14号 ダイソービル3F 〒556-0021 電話(06)6568-1571番(代表) FAX (06)6568-1573番
名古屋営業所	愛知県名古屋市中区大須1丁目7番14号パークIMビル3F 〒460-0011 電話(052)253-6231番(代表) FAX (052)253-6240番
九州営業所	福岡市博多区博多駅東3丁目11番15号 文喜ビル3F 〒812-0013 電話(092)412-5281番(代表) FAX (092)412-5280番

## ENDO KOGYO CO., LTD.

Head Office: 3-14-7, Akiba-cho, Tsubame, Niigata, Japan  
Tel. 0256-62-5133 Fax. 0256-62-5772

URL <http://www.endo-kogyo.co.jp>

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