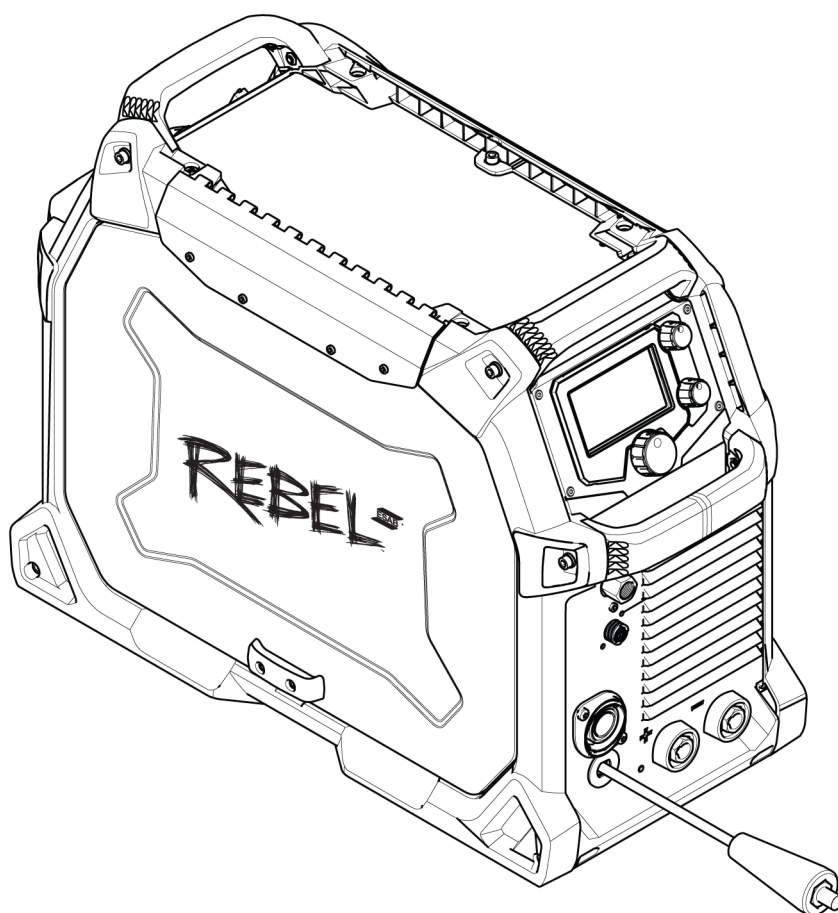


Rebel EMP 285ic 3 PH



Spare parts list

Ordering no.	Product	Notes
0558 102 556	Rebel EMP 285ic 3 PH	CSA

Spare parts may be ordered through your nearest ESAB dealer, see [esab.com](https://www.esab.com). When ordering, please state product type, serial number, denominations and ordering numbers according to the spare parts list. This facilitates dispatch and ensures correct delivery.

Maintenance and repair work should be performed by an experienced person, and electrical work only by a trained electrician. Use only recommended spare parts.

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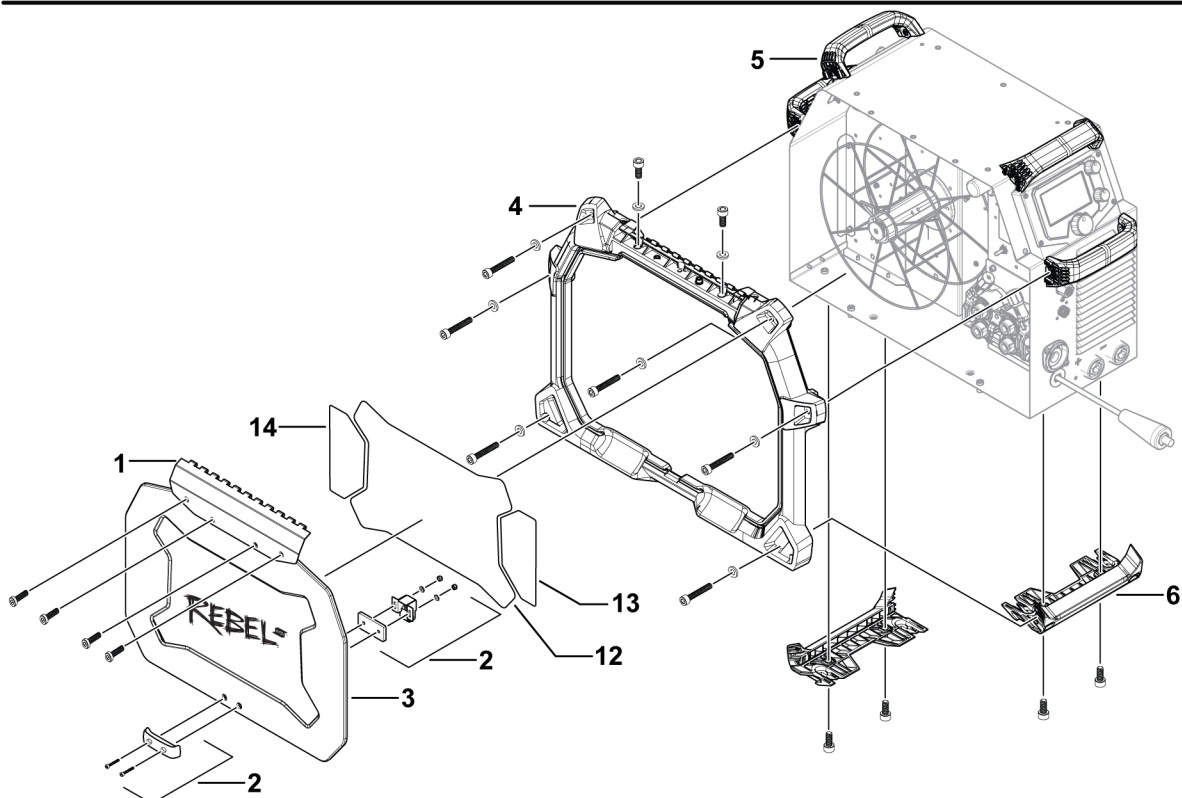
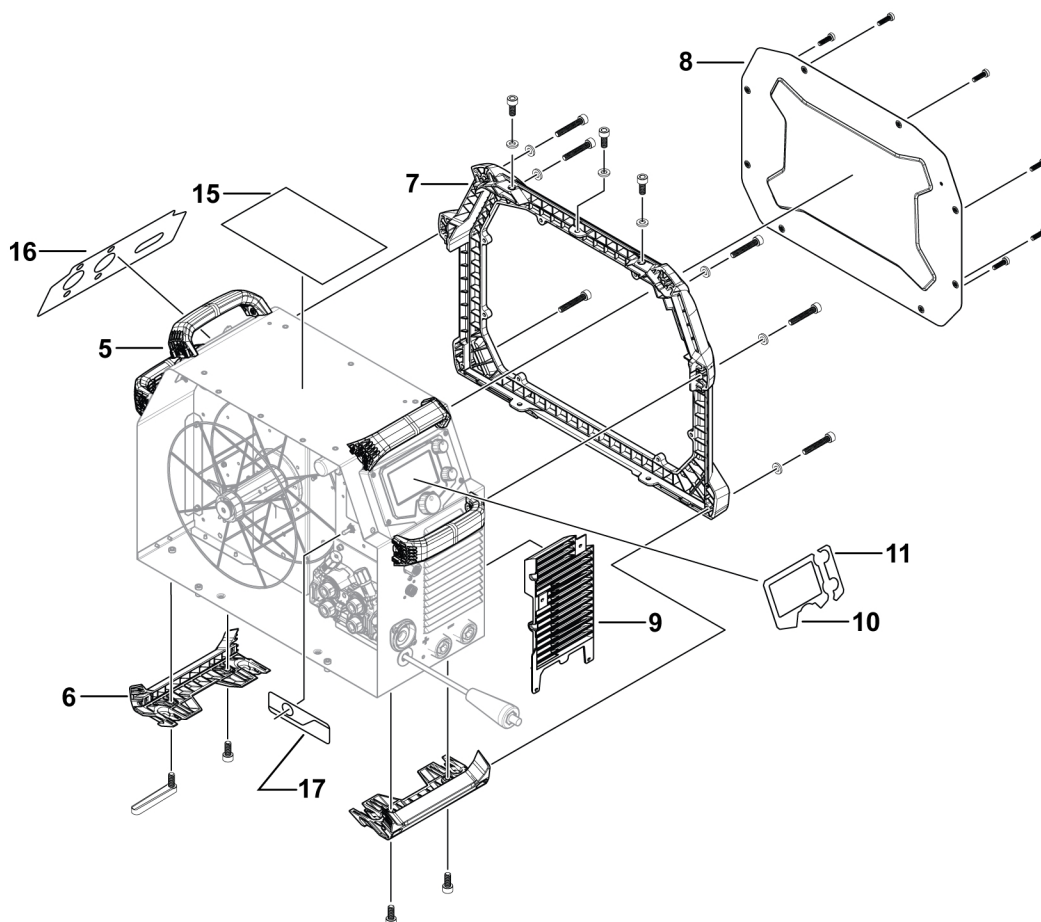
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1 SPARE PARTS

1.1 Housing module

C = Component designation in the circuit diagram

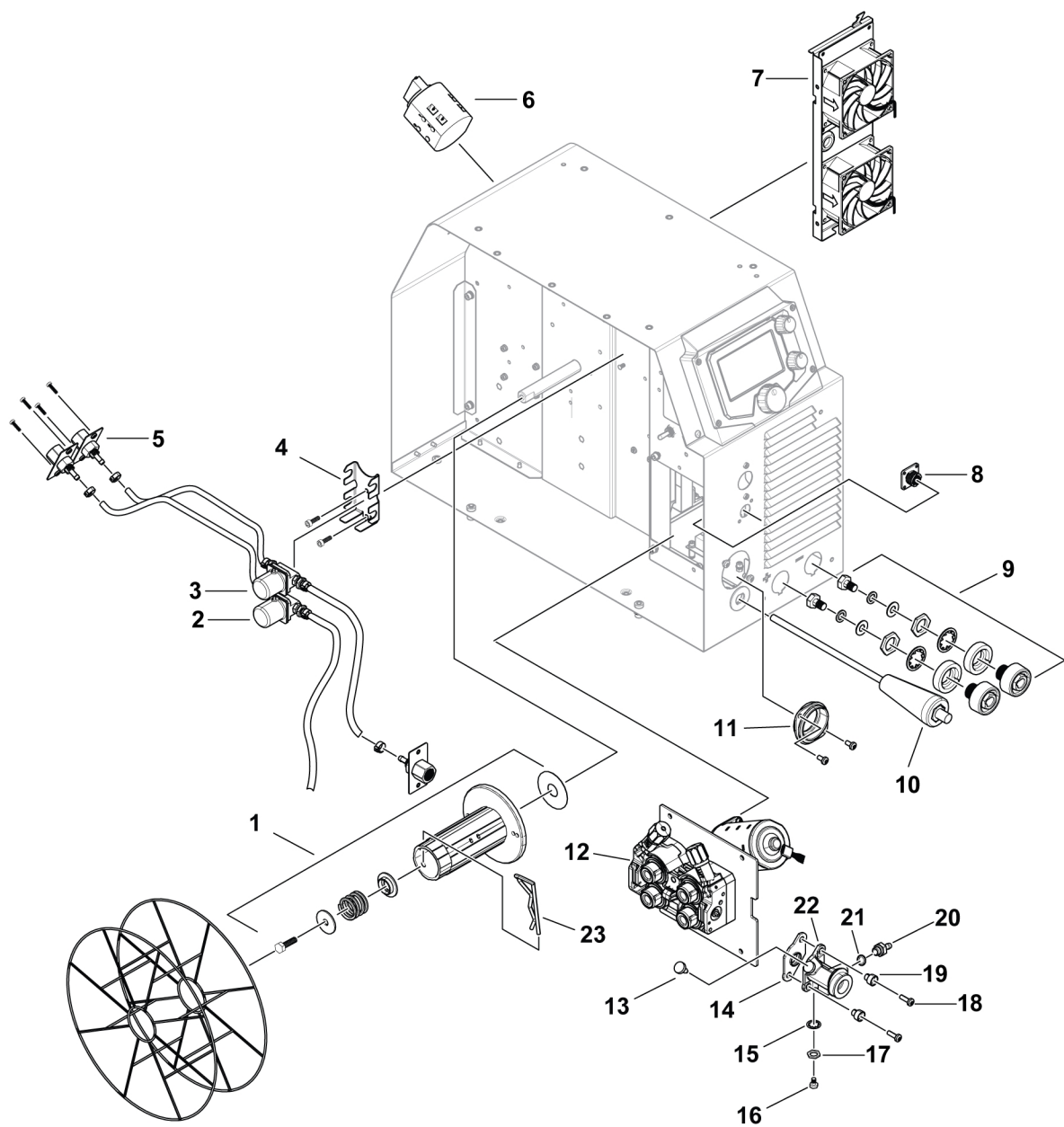
Item	Qty	Ordering no.	Denomination	Notes	C
1	1	0558 102 537	Hinge		
2	1	0558 102 538	Door pull and latch		
3	1	0558 102 620	Side door, spool side		
4	1	0558 102 544	Side frame, spool side		
5	4	0558 102 399	Handle		
6	2	0558 102 545	Foot (with 2× M6x20 screw)		
7	1	0558 102 546	Side frame, power side		
8	1	0558 102 547	Side door, power side		
9	1		Single piece grill		
10	1		Label, product name, Rebel, 285 3P		
11	1		Label, front, WFS,A,V, Rebel		
12	1		Label, parametric chart, door, EMP 285 3P CSA		
13	1		Label, parts, wear, 285 3P, CSA right		
14	1		Label, parts, wear, 285 3P, CSA left		
15	1		Label, general precautionary, 235 and 285, CSA		
16	1		Label, mains, rear, upper, 285 and 320 3P		
17	1		Label, warning, pinch, jog or purge		



1.2 Connection module

C = Component designation in the circuit diagram

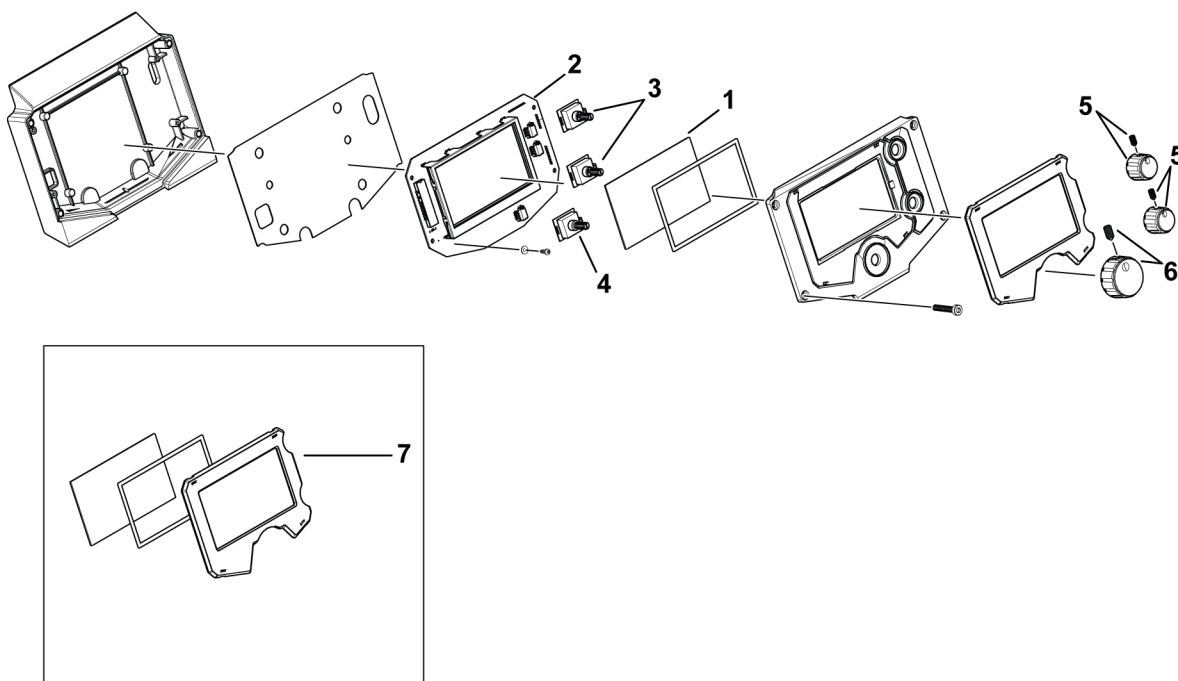
Item	Qty	Ordering no.	Denomination	Notes	C
1	1	0558 102 521	Brake hub kit		
2	1	0558 102 522	MIG gas solenoid system		
3	1	0558 102 523	TIG/Spool gun gas solenoid system		
4	1	0558 102 525	Bracket, gas solenoid mounting		
5	3	0558 102 524	Gas inlet/outlet, bulkhead fitting		
6	1	0464 646 880	Power switch, 3 ph only		
7	1	0558 102 611	Fan bracket assembly		
8	1	0558 102 530	8 pin female remote receptacle and harness		
9	2	0558 102 527	Female OKC connector		
10	1	0464 752 278	Polarity change cable and male OKC connector		
11	1	0445 813 001	Torch connector seat		
12	1		Wire drive assembly, bayonet connector	See <i>"Feeder mechanism module"</i> , page 11	
13	1	0446 026 001	Thumb screw		
14	1	0445 815 001	Torch connector insulator		
15			Cup spring M10		
16			Hex screw, M10x20, steel 8.8 fzb*		
17			Washer 10,5 A2K		
18	2	0194 277 329	Screw MRT M5x16		
19	2	0445 814 001	Screw insulator		
20	1		Brass fitting, OD=1/4", ID=5/32", G=1/8"		
21	1		O-ring, NBR, ID=19/64", OD=7/16", T=1/16", SH A70		
22	1	0445 809 002	Tweco 4 connector		
23	1	0558 102 679	Spool retention key		



1.3 User interface module

C = Component designation in the circuit diagram

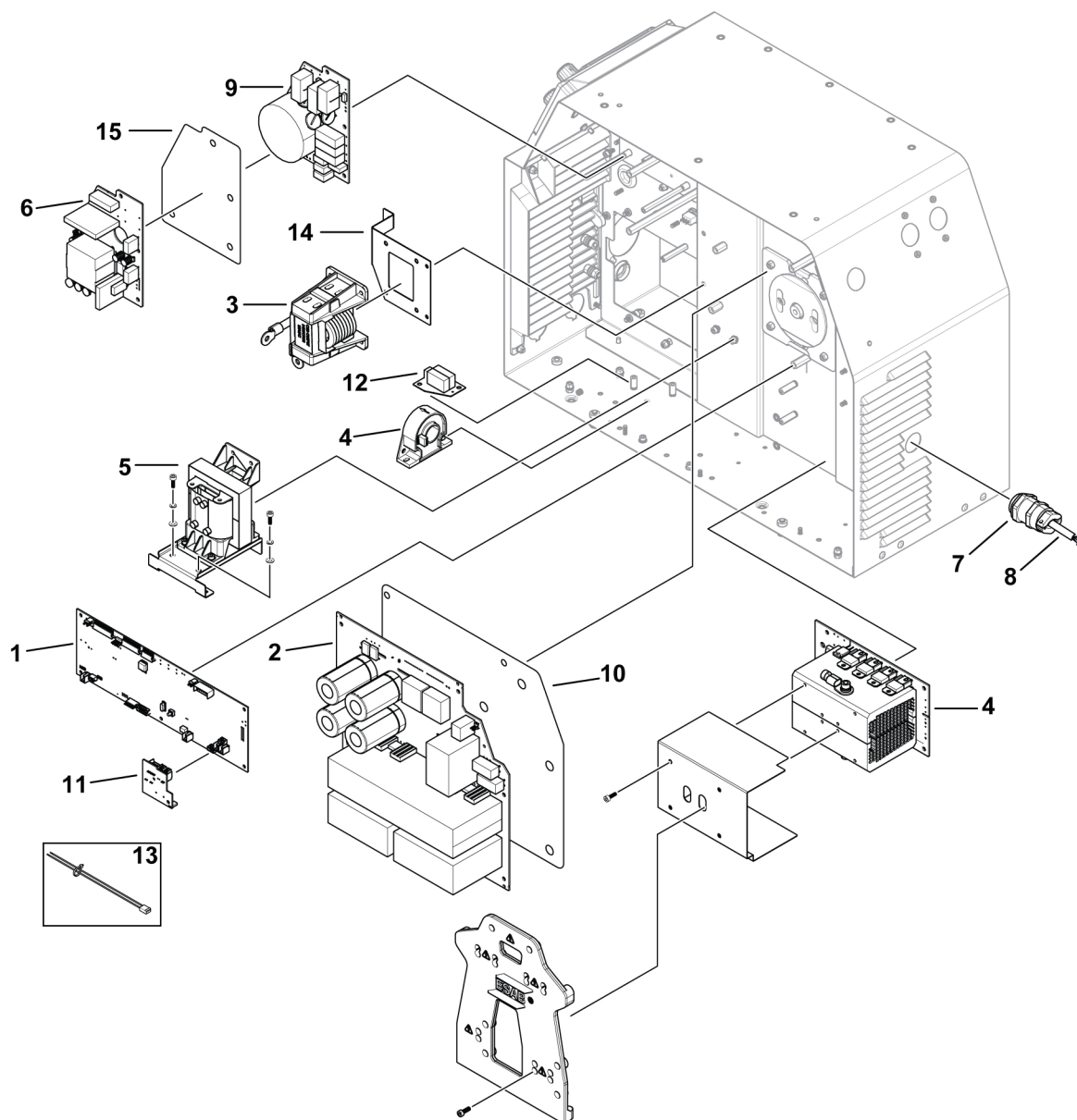
Item	Qty	Ordering no.	Denomination	Notes	C
1	1	0558 102 438	Replaceable display lens		
2	1	0464 752 287	UI PCBA		1AP1
3	2	0558 102 423	Encoder for small knob		
4	1	0558 102 424	Encoder for large knob		
5	2	0558 102 440	Knob, small		
6	1	0558 102 441	Knob, large		
7	1	0558 102 617	Lens assembly kit		



1.4 Control/power module

C = Component designation in the circuit diagram

Item	Qty	Ordering no.	Denomination	Notes	C
1	1	0464 752 281	Control PCB		20AP1
2	1	0464 752 280	Main power board assembly		15AP1
3	1	0558 102 595	Output inductor		
4	1	0558 102 596	Output diode assembly		15AP4
5	1	0558 102 626	Main transformer		
6	1	0558 102 628	IPS board assembly		
7	1	0558 102 438	Strain relief, mains cable		15AP2
8	1	0558 102 622	Mains cable		
9	1	0558 102 624	Filter board assembly		2AP1
10	1		Mylar, center wall power PCB divider		
11	1	0464 752 282	Fan PCBA		20AP2
12	1	0464 752 283	Filter cap board		15AP3
13	1	0464 752 277	Encoder harness assembly	Connenction between motor (see " <i>Feeder mechanism module</i> ", page 11, item 1) and CN7 of fan PCBA	
14	1		Output inductor bracket		
15	1		Mylar, IPS board		



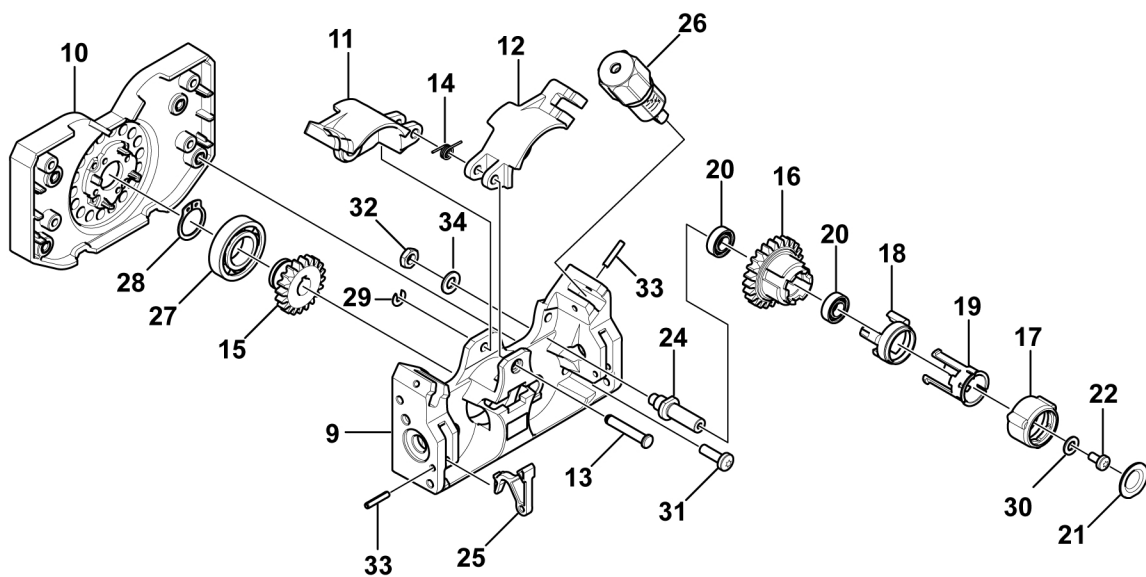
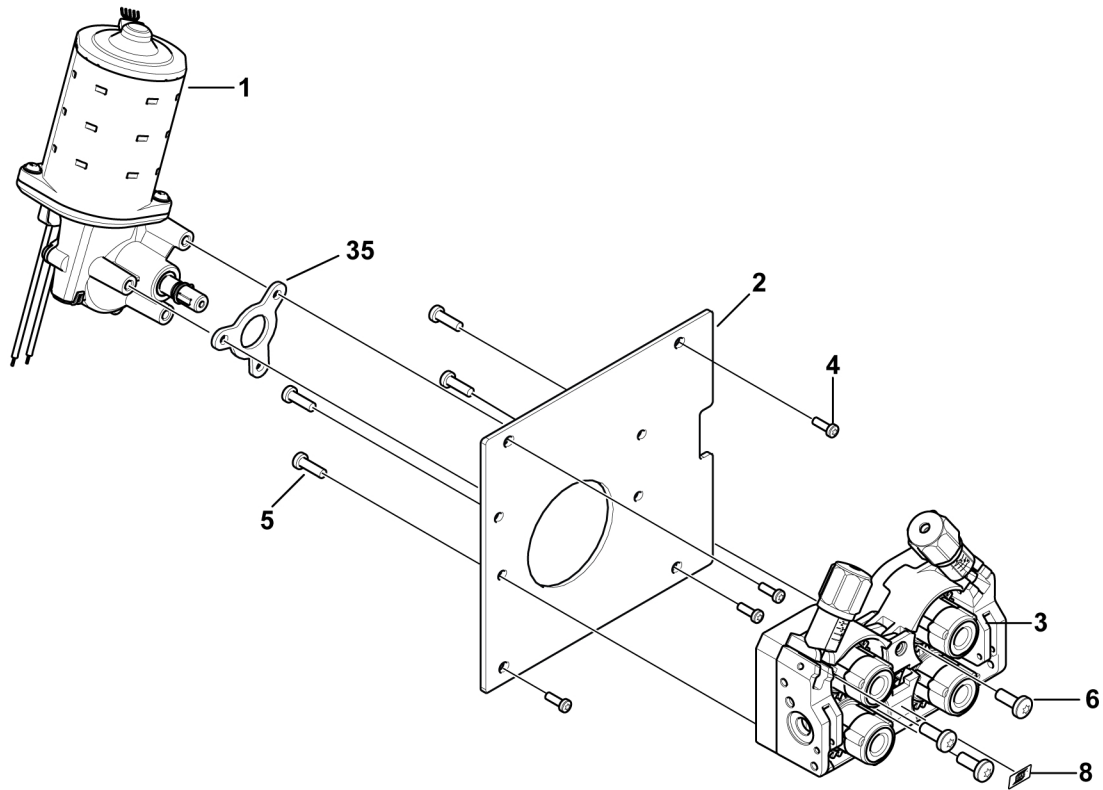
1.5 Feeder mechanism module

C = Component designation in the circuit diagram

Item	Qty	Ordering no.	Denomination	Notes	C
1	1	0464 752 276	Drive unit wire feeder		13M1
2	1		Adaptor plate		
3	1	0445 630 880	Feeder mechanism		
4	4		Screw, socket head, M5 x 14		
5	4		Screw, torx, M5 x 16		
6	3		Screw MRT M6 × 16		
8	1	0445 916 001	ESAB logo silver		
9	1		Front plate	See item 104	
10	1		Back plate	See item 104	
11	1	0445 818 002	Swing arm left	See item 104	
12	1	0445 818 001	Swing arm right	See item 104	
13	1		Swing arm shaft	See items 102 and 104	
14	1	0445 839 001	Lift spring	See items 102 and 104	
15	1	0445 820 001	Motor pinion	See items 103 and 104	
16	4		Gear hub	See item 103	
17	4		Bezel	See item 103	
18	4		Driver	See item 103	
19	4		Retainer	See item 103	
20	8		Bearing 8×16×5	See item 103	
21	4		Cover	See item 103	
22	4		Screw MRT M4 × 8	See item 103	
24	4	0445 841 001	Feed roll shaft		
25	2	0446 059 001	Nozzle lever		
26	2	0445 831 880	Tensioner unit assembly		
27	1		Bearing, 17×35×8 mm	See item 101	
28	1		Lock ring Ø17	See item 101	
29	1		Circlip Ø6/4	See item 102	
30	4		Washer M4	See item 103	
31	4		Screw MRT M5 × 16		
32	4	0349 312 091	Hexagon thin nut		
33	4		Spring pin, Ø3×16	See item 104	
34	4		Cup spring		
35	1		Motor spacer		

1 SPARE PARTS

Item	Ordering no.	Denomination	Notes	C
101	0464 667 883	Bearing and lock ring kit	Including items 27 and 28	
102	0464 667 887	Swing arm shaft kit	Including items 13, 14 and 29	
103	0464 667 893	Gear hub complete kit	Including items 16-22 and 30	
104	0464 667 886	Feeder mechanism kit	Including items 9-15 and 33	





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