

Remote Controls

***MTA1 CAN, M1 10P CAN,
AT1 CAN, AT1 CF CAN, M1, AT1,
AT1 CF, RA 12, RA 23, RA T1,
FS 002 CAN, FS 002,
T1 Foot CAN, ER 1, ER 1F***



Spare parts list

Ordering numbers

0459 491 880	Remote control MTA1 CAN
0459 491 882	Remote control M1 10Prog CAN
0459 491 883	Remote control AT1 CAN
0459 491 884	Remote control AT1 CoarseFine CAN
0459 491 895	Remote control M1
0459 491 896	Remote control AT1
0459 491 897	Remote control AT1 CoarseFine
0459 491 910	Remote control adapter RA 12 with holder
0459 491 911	Remote control adapter RA 23 with holder
0459 491 912	Remote control adapter RA T1 with holder and 4 - 12 pole connection cable
0459 491 913	Remote control adapter RA T1 with holder and 4 - 10 pole connection cable
0349 090 890	Remote control FS 002 CAN with 5 m connection cable
0349 090 886	Remote control FS 002 with 5 m connection cable
0460 315 880	Remote control T1 Foot CAN with 5 m connection cable and 12 pole plug
0460 315 881	Remote control T1 Foot CAN with 5 m connection cable and 10 pole plug
0445 536 880	Remote control ER 1 with 4 pin, 5 m (16.4 ft) cable
0445 536 881	Remote control ER 1 with 6 pin, 5 m (16.4 ft) cable
0445 536 882	Remote control ER 1 with 6 pin, 10 m (32.8 ft) cable
0445 536 883	Remote control ER 1 with 6 pin, 25 m (82 ft) cable
0445 550 880	Remote control ER 1F with 4 pin, 5 m (16.4 ft) cable
0445 550 881	Remote control ER 1F with 6 pin, 5 m (16.4 ft) cable
0445 550 882	Remote control ER 1F with 6 pin, 10 m (32.8 ft) cable

Spare parts may be ordered through your nearest ESAB dealer, see the back cover of this document. 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.

SPARE PARTS LIST	4
MTA1 CAN, M1 10P CAN, AT1 CAN, AT1 CF CAN, RA 12, RA 23, RA T1	4
M1, AT1, AT1 CF	7
FS 002 CAN	8
FS 002	9
T1 Foot CAN	10
ER 1F	11
ER 1	12
Accessories for MTA1 CAN, M1 10P CAN, AT1 CAN, AT1 CF CAN, RA 12, RA 23, RA T1, M1, AT1, AT1 CF, FS 002 CAN, FS 002, ER 1, ER 1F	14

SPARE PARTS LIST

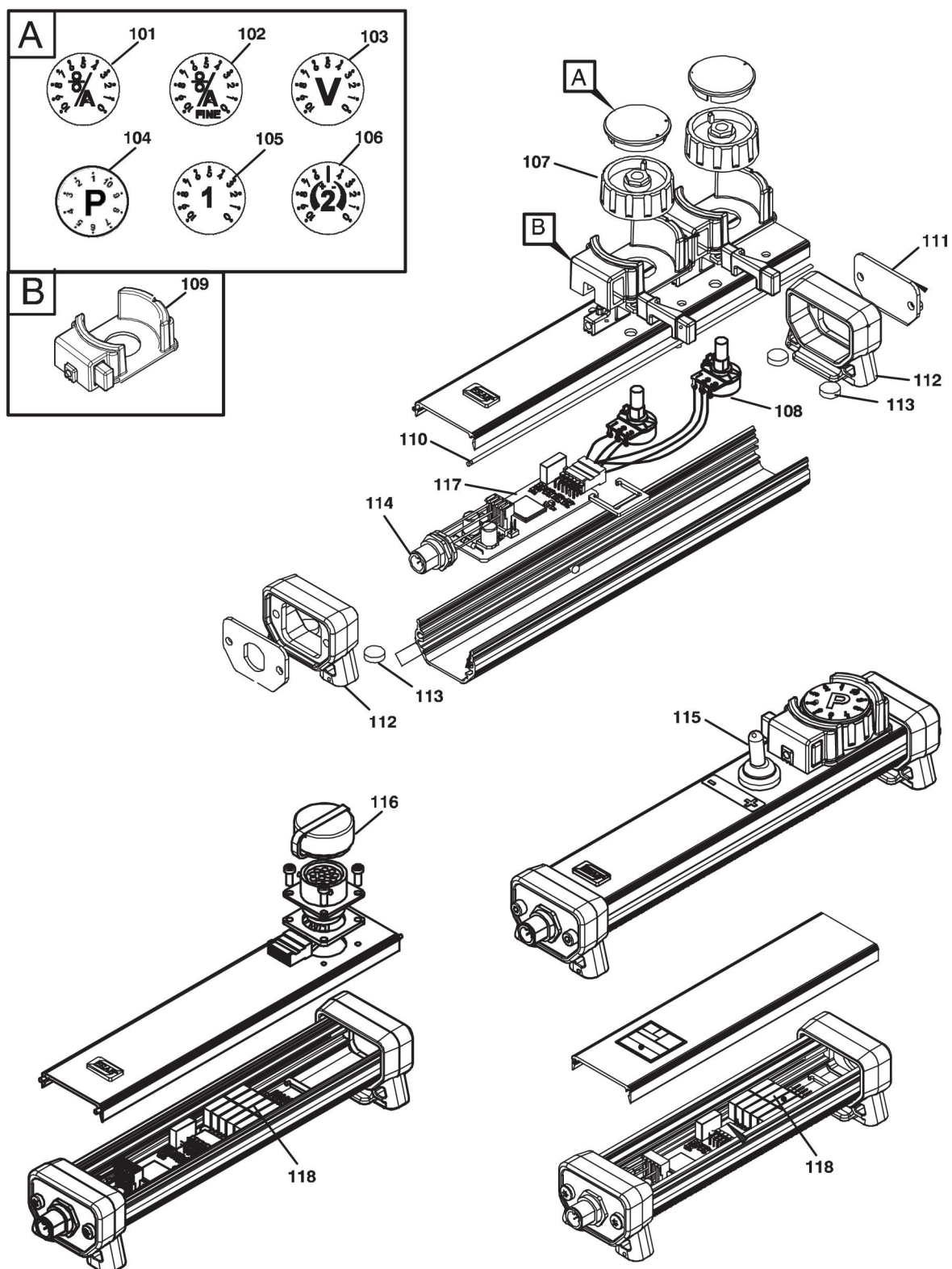
MTA1 CAN, M1 10P CAN, AT1 CAN, AT1 CF CAN, RA 12, RA 23, RA T1**C = component designation in the circuit diagram**

Item	Ordering no.	Denomination	MTA1 CAN	M1 10P CAN	AT1 CAN	AT1 CF CAN	RA 12	RA 23	RA T1	C
101	See item 150	Knob cover Wire / A	-	-	1	1	-	-	-	
102	See item 150	Knob cover Wire / A Fine	-	-	-	1				
103	See item 150	Knob cover V	-	-	-	-	-	-	-	
104	See item 150	Knob cover 10P	-	1	-	-	-	-	-	
105	See item 150	Knob cover 1	1	-	-	-	-	-	-	
106	See item 150	Knob cover 2	1	-	-	-	-	-	-	
107	0459 529 001	Knob	2	1	1	2	-	-	-	
108	0459 561 880	Cable set, M1, with potentiometers	1	-	-	-	-	-	-	43R1 43R2
	0459 561 881	Cable set, M1 10P, with switches	-	1	-	-	-	-	-	43S1 43S2
	0459 561 882	Cable set, AT1, with potentiometer	-	-	1	-	-	-	-	43R1
	0459 561 883	Cable set, AT1 CF, with potentiometers	-	-	-	1	-	-	-	43R3 43R4
109	0459 536 880	Lock	2	1	1	2	-	-	-	
110	0459 543 001	Sealing strip	2	2	2	2	2	2	2	
111	0459 531 001	End piece with hook	1	1	1	1	1	1	-	
112	0459 541 001	Rubber end piece	2	2	2	2	2	2	2	
113	0459 542 001	Magnet	4	4	4	4	-	-	-	
114	0459 551 880	Connection CAN	1	1	1	1	1	1	1	
115	0147 866 009	Cover rubber	-	1	-	-	-	-	-	
116	0366 285 001	Protection cap	-	-	-	-	1	-	-	
	0455 516 001	Protection cap	-	-	-	-	-	1	-	
117	0460 146 880	CAN adapter board *	1	1	1	1	1	1	1	43AP1
118	0487 230 880	Filter board	-	-	-	-	-1	1	1	43AP2

*) Item 117 CAN adapter board must be configured when installed.

SPARE PART SET

Item	Ordering no.	Denomination	Notes
150	0459 698 880	Knob cover set	Contains items 101, 102, 103, 104, 105 and 106



Machine ID for remotes:

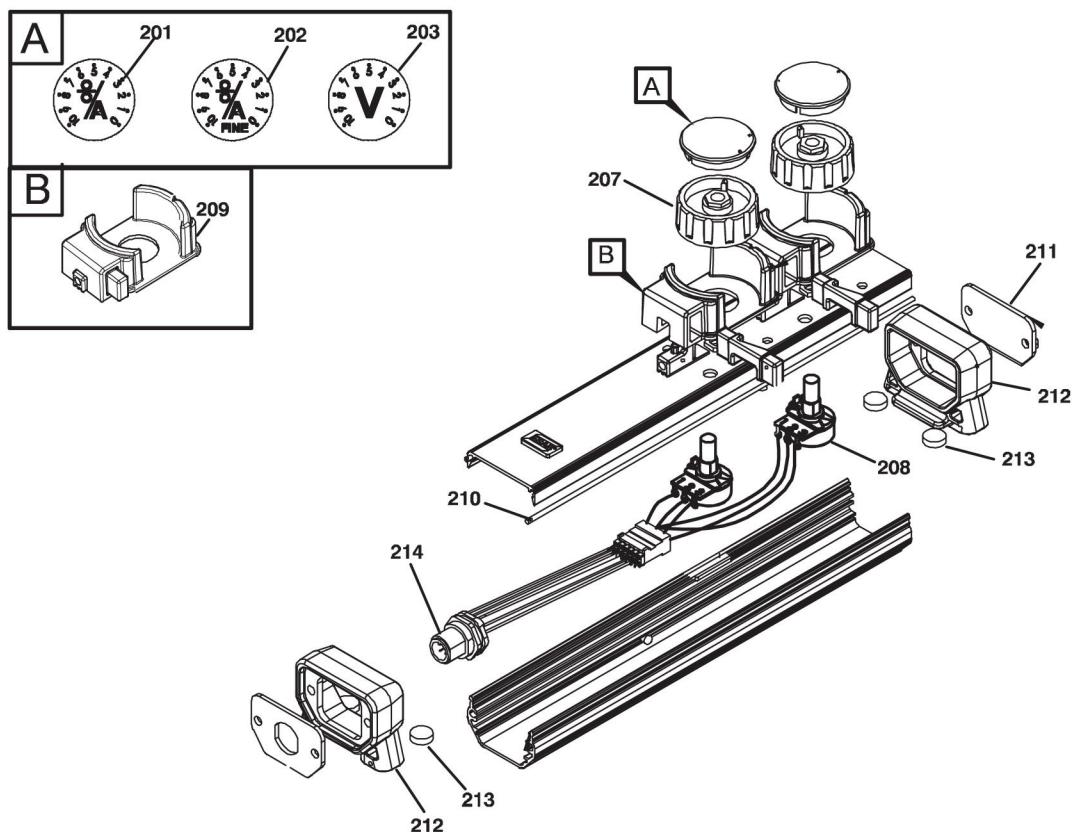
ID no	Product	Notes
1	RA 23	
1	RA 12	Up to and including serial number 506- 640- 4574
2	RA 12	From serial number 506- 640- 4575
3	AT1 CAN	
3	AT1 CF CAN	
4	MTA1 CAN	
6	M1 10Prog CAN	
10	RA T1	

M1, AT1, AT1 CF**C = component designation in the circuit diagram**

Item	Ordering no.	Denomination	M1	AT1	AT1 CF	C
201	See item 250	Knob cover Wire / A	1	1	1	
202	See item 250	Knob cover Wire / A Fine	-	-	1	
203	See item 250	Knob cover V	1	-	-	
207	0459 529 001	Knob	2	1	2	
208	0459 561 880	Cable set, M1, with potentiometers	1	-	-	43R1, 43R2
	0459 561 882	Cable set, AT1, with potentiometer	-	1	-	43R1
	0459 561 883	Cable set, AT1 CF, with potentiometers	-	-	1	43R3, 43R4
209	0459 536 880	Lock	2	1	2	
210	0459 543 001	Sealing strip	2	2	2	
211	0459 531 001	End piece with hook	1	1	1	
212	0459 541 001	Rubber end piece	2	2	2	
213	0459 542 001	Magnet	4	4	4	
214	0459 551 881	Connection analogue	1	1	1	

SPARE PART SET

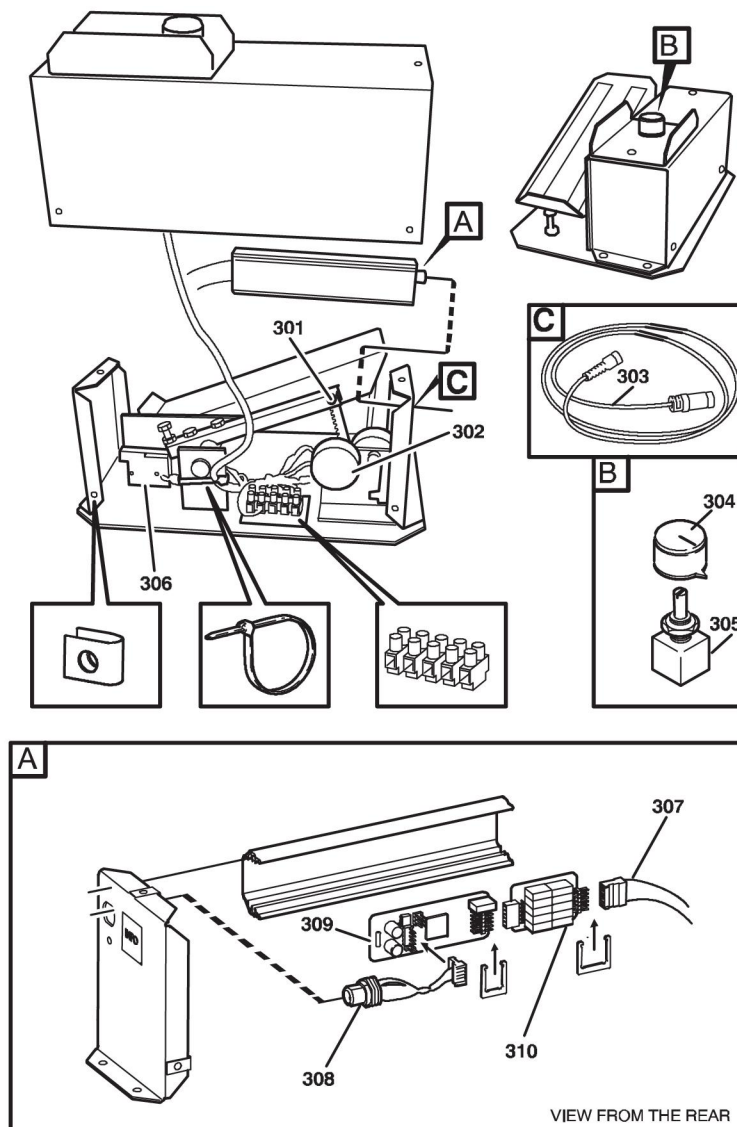
Item	Ordering no.	Denomination	Notes
250	0459 698 880	Knob cover set	Contains items 201, 202, 203, 104, 105 and 106



FS 002 CAN**C = component designation in the circuit diagram**

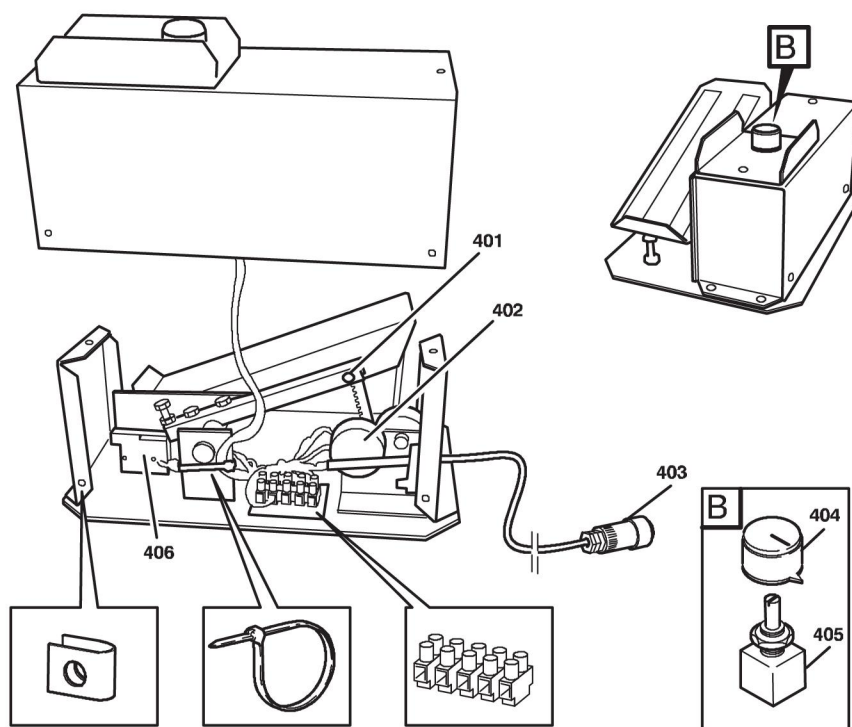
Item	Qty	Ordering no.	Denomination	Notes	C
301	1		Roll pin	D3x20 mm	
302	1	0369 171 880	Potentiometer complete	10 kohm	43R2
303	1	0459 554 880	Remote cable CAN	12 pole, 5 metre	
304	1	0191 510 106	Knob		
305	1	0191 870 212	Potentiometer	2.5 kohm	43R1
306	1	0347 178 001	Micro switch		43SB1
307	1	0459 696 880	Cable set		43XS3
308	1	0459 551 880	Connection CAN		43XP2
309	1	0460 146 880	CAN adapter board *	Must be configured when installed *	43AP1
310	1	0487 230 880	Filter board		43AP2

*) Machine ID = 5



FS 002**C = component designation in the circuit diagram**

Item	Qty	Ordering no.	Denomination	Notes	C
401	1		Roll pin	D3x20 mm	
402	1	0369 171 880	Potentiometer complete	10 kohm	43R2
403	1	0349 086 881	Connection cable	12 pole, 5 metre	
	1	0368 541 003	Pin plug	Included in item 403	
	5	0193 513 005	Connector pin	Included in item 403	
404	1	0191 510 106	Knob		
405	1	0191 870 212	Potentiometer	2.5 kohm	43R1
406	1	0347 178 001	Micro switch		43SB1

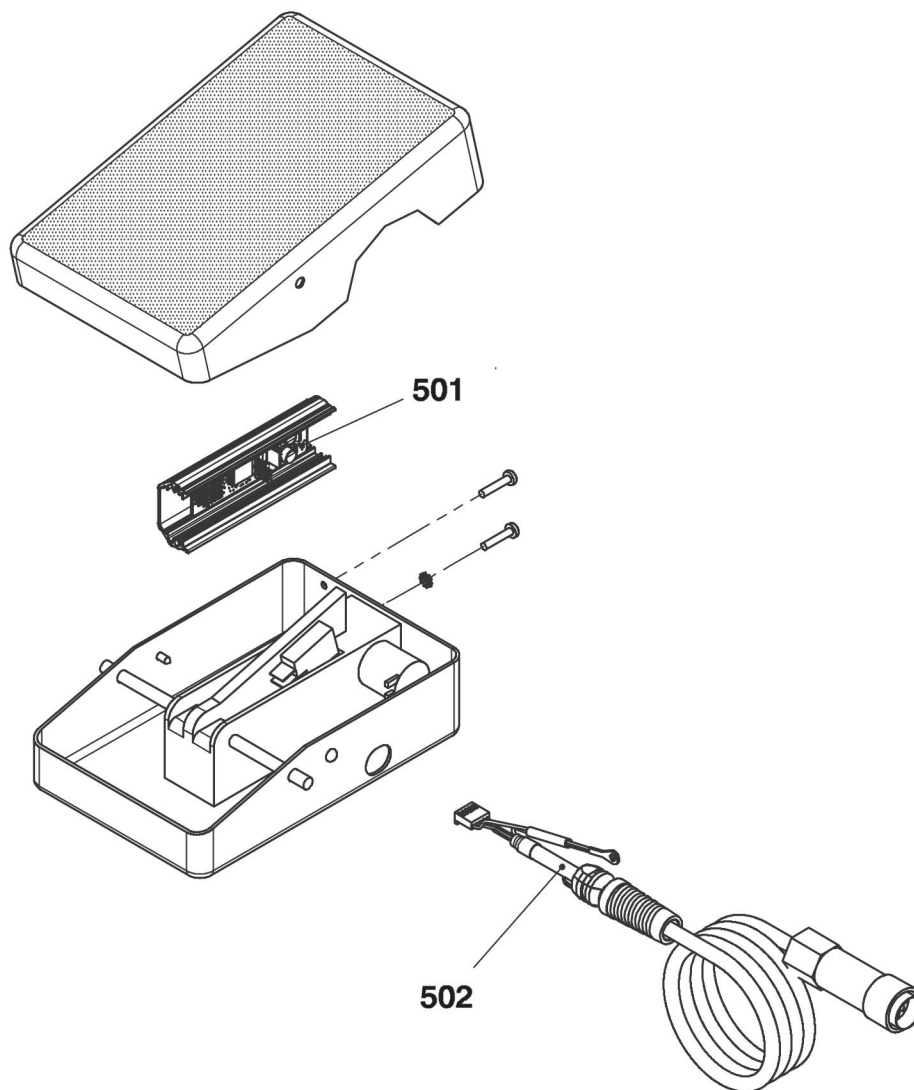


T1 Foot CAN

C = component designation in the circuit diagram

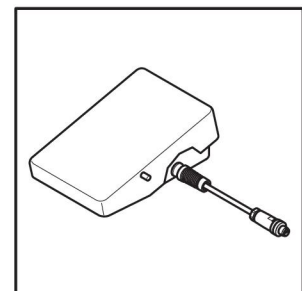
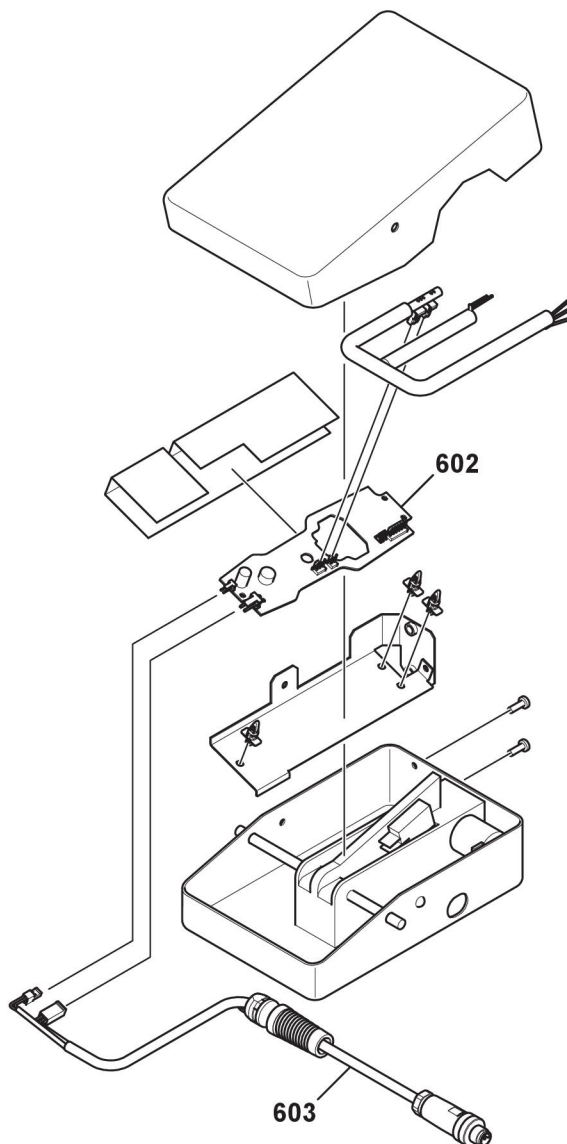
Item	Qty	Ordering no.	Denomination	Notes	C
501	1	0460 146 880	CAN adapter board*	Must be configured when installed*	43AP1
502	1	0459 554 885	Remote CAN cable	With 12 pole plug	43XP4
	1	0459 960 885	Remote CAN cable	With 10 pole plug	43XP4

*) Machine ID = 11



ER 1F**C = component designation in the circuit diagram**

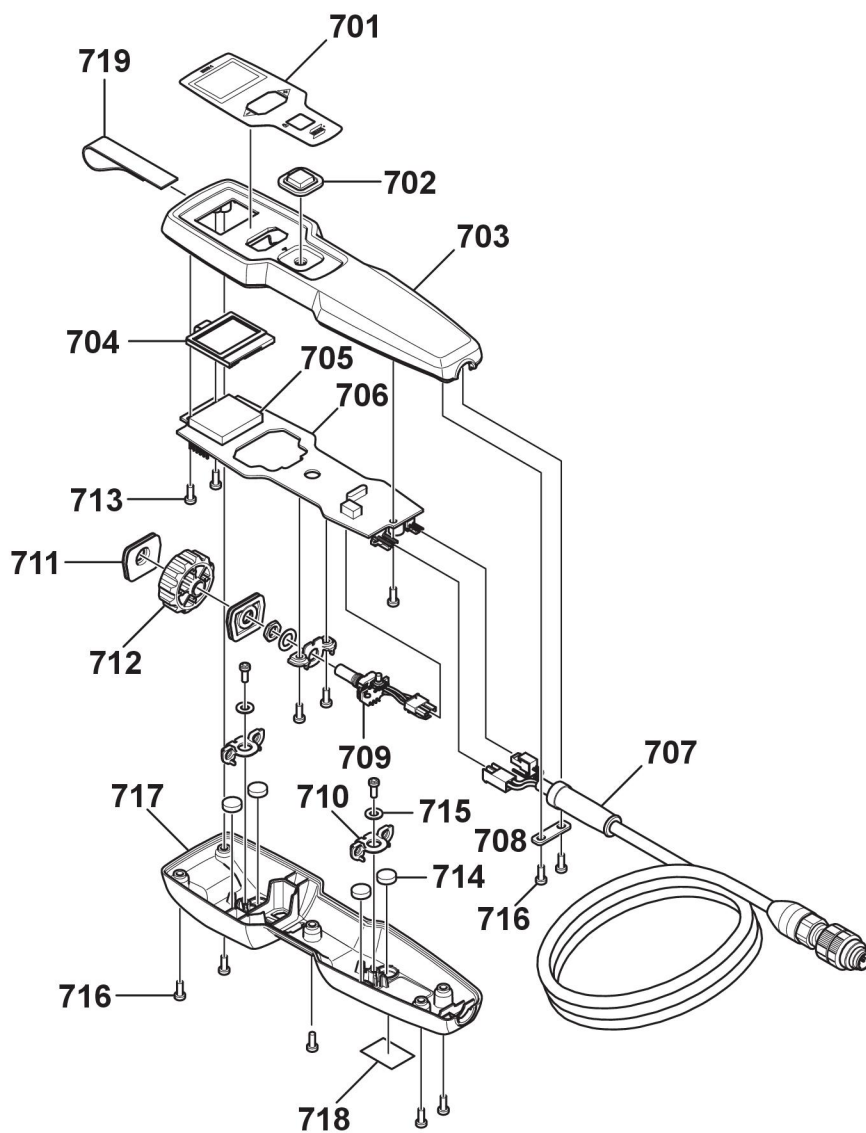
Item	Qty	Ordering no.	Denomination	Notes	C
			Foot control		
602	1	0440 184 881	PCBA Control board ER 1F	The product needs to be configured after replacement. See the service manual.	
603	1	0445 451 880	Interconnection cable 4 pin, 5 m (16.4 ft)		
		0445 254 880	Interconnection cable 6 pin, 5 m (16.4 ft)		



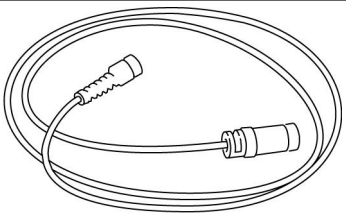
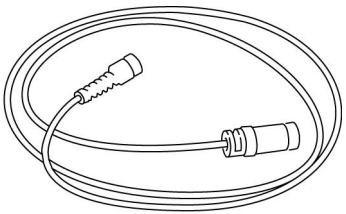
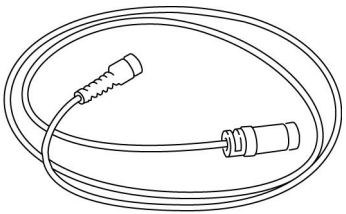
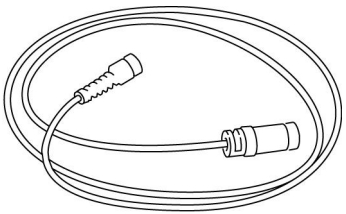
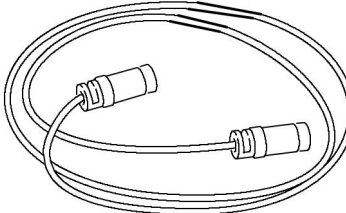
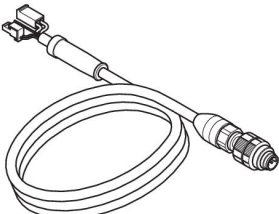
ER 1**C = component designation in the circuit diagram**

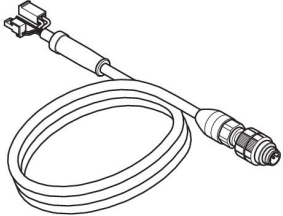
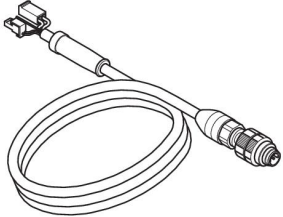
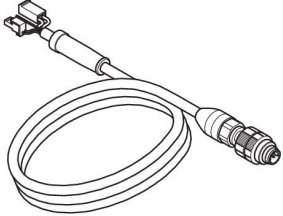
Item	Qty	Ordering no.	Denomination	Notes	C
701	1		Overlay	Incl. in 751	
702	1		Rubber button	Incl. in 751	
703	1		Top panel	Incl. in 751	
704	1	0445 415 001	LCD Display 96×64		21XS2
705	1		Foam	Incl. in 752	
706	1		PCBA Control board ER 1	Incl. in 752	21AP1
707	1	0445 450 880	Interconnection cable 4 pin, 5 m (16.4 ft)		
		0445 280 880	Interconnection cable 6 pin, 5 m (16.4 ft)		
708	1	0445 538 001	Strain relief plate		
709	1		Encoder harness	Incl. in 753	
710	3		Encoder holder	Incl. in 753, 754	
711	2		Encoder bearing part	Incl. in 753	
712	1		Wheel knob	Incl. in 753	
713	6		Screw Remform	M3x8	
714	4		Magnet	Incl. in 754	
715	2		Washer	M4	
716	7		Screw	M3x8	
717	1		Bottom panel	Incl. in 754	
718	1		Rating plate ER 1		
719	1		Velcro strap	Incl. in 754	

Item	Qty	Ordering no.	Denomination	Notes	C
751	1	0464 594 880	Top panel compl.		
752	1	0464 595 880	PCBA Control board ER 1	The product needs to be configured after replacement. See the service manual.	
753	1	0464 596 880	Encoder compl.		
754	1	0464 597 880	Bottom panel compl.		



**Accessories for MTA1 CAN, M1 10P CAN, AT1 CAN,
AT1 CF CAN, RA 12, RA 23, RA T1, M1, AT1, AT1 CF,
FS 002 CAN, FS 002, ER 1, ER 1F**

Remote cable CAN 4 pole - 12 pole		
0459 554 884	0.25 m (0.82 ft)	
0459 554 880	5 m (16.4 ft)	
0459 554 881	10 m (32.8 ft)	
0459 554 882	15 m (49.2 ft)	
0459 554 883	25 m (82.0 ft)	
0459 554 980	5 m (16.4 ft) Heavy duty	
0459 554 981	10 m (32.8 ft) Heavy duty	
Remote cable CAN 4 pole - 10 pole		
0459 960 883	0.25 m (0.82 ft)	
0459 960 880	5 m (16.4 ft)	
0459 960 881	10 m (32.8 ft)	
0459 960 882	25 m (82.0 ft)	
0459 960 980	5 m (16.4 ft) Heavy duty	
0459 960 981	10 m (32.8 ft) Heavy duty	
0459 960 982	25 m (82.0 ft) Heavy duty	
Remote cable 8 pole - 12 pole for remote controls AT1 and AT1 CF		
0459 552 880	5 m (16.4 ft)	
0459 552 881	10 m (32.8 ft)	
0459 552 882	15 m (49.2 ft)	
0459 552 883	25 m (82.0 ft)	
Remote cable 8 pole - 23 pole for remote control M1		
0459 553 880	5 m (16.4 ft)	
Extension cable 12 pole for remote controls AT1, AT1 CF and FS 002		
0367 662 880	25 m (82.0 ft)	
Interconnection cable, 4 pin for remote control ER 1		
0445 450 880	5 m (16.4 ft)	

Interconnection cable, 6 pin for remote control ER 1		
0445 280 880	5 m (16.4 ft)	
0445 280 881	10 m (32.8 ft)	
0445 280 882	25 m (82.0 ft)	
Interconnection cable, 4 pin for remote control ER 1F		
0445 451 880	5 m (16.4 ft)	
Interconnection cable, 6 pin for remote control ER 1F		
0445 254 880	5 m (16.4 ft)	
0445 254 881	10 m (32.8 ft)	

ESAB subsidiaries and representative offices

Europe

AUSTRIA

ESAB Ges.m.b.H
Vienna-Liesing
Tel: +43 1 888 25 11
Fax: +43 1 888 25 11 85

BELGIUM

S.A. ESAB N.V.
Heist-op-den-Berg
Tel: +32 15 25 79 30
Fax: +32 15 25 79 44

BULGARIA

ESAB Kft Representative Office
Sofia
Tel: +359 2 974 42 88
Fax: +359 2 974 42 88

THE CZECH REPUBLIC

ESAB VAMBERK s.r.o.
Vamberk
Tel: +420 2 819 40 885
Fax: +420 2 819 40 120

DENMARK

Aktieselskabet ESAB
Herlev
Tel: +45 36 30 01 11
Fax: +45 36 30 40 03

FINLAND

ESAB Oy
Helsinki
Tel: +358 9 547 761
Fax: +358 9 547 77 71

GREAT BRITAIN

ESAB Group (UK) Ltd
Waltham Cross
Tel: +44 1992 76 85 15
Fax: +44 1992 71 58 03

ESAB Automation Ltd
Andover

Tel: +44 1264 33 22 33
Fax: +44 1264 33 20 74

FRANCE

ESAB France S.A.
Cergy Pontoise
Tel: +33 1 30 75 55 00
Fax: +33 1 30 75 55 24

GERMANY

ESAB Welding & Cutting GmbH
Langenfeld
Tel: +49 2173 3945-0
Fax: +49 2173 3945-218

HUNGARY

ESAB Kft
Budapest
Tel: +36 1 20 44 182
Fax: +36 1 20 44 186

ITALY

ESAB Saldatura S.p.A.
Bareggio (Mi)
Tel: +39 02 97 96 8.1
Fax: +39 02 97 96 87 01

THE NETHERLANDS

ESAB Nederland B.V.
Amersfoort
Tel: +31 33 422 35 55
Fax: +31 33 422 35 44

NORWAY

AS ESAB
Larvik
Tel: +47 33 12 10 00
Fax: +47 33 11 52 03

POLAND

ESAB Sp. z o.o.
Katowice
Tel: +48 32 351 11 00
Fax: +48 32 351 11 20

PORTUGAL

ESAB Lda
Lisbon
Tel: +351 8 310 960
Fax: +351 1 859 1277

ROMANIA

ESAB Romania Trading SRL
Bucharest
Tel: +40 316 900 600
Fax: +40 316 900 601

RUSSIA

LLC ESAB
Moscow
Tel: +7 (495) 663 20 08
Fax: +7 (495) 663 20 09

SLOVAKIA

ESAB Slovakia s.r.o.
Bratislava
Tel: +421 7 44 88 24 26
Fax: +421 7 44 88 87 41

SPAIN

ESAB Ibérica S.A.
San Fernando de Henares
(MADRID)
Tel: +34 91 878 3600
Fax: +34 91 802 3461

SWEDEN

ESAB Sverige AB
Gothenburg
Tel: +46 31 50 95 00
Fax: +46 31 50 92 22

ESAB International AB

Gothenburg
Tel: +46 31 50 90 00
Fax: +46 31 50 93 60

SWITZERLAND

ESAB Europe GmbH
Baar
Tel: +41 1 741 25 25
Fax: +41 1 740 30 55

UKRAINE

ESAB Ukraine LLC
Kiev
Tel: +38 (044) 501 23 24
Fax: +38 (044) 575 21 88

North and South America

ARGENTINA

CONARCO
Buenos Aires
Tel: +54 11 4 753 4039
Fax: +54 11 4 753 6313

BRAZIL

ESAB S.A.
Contagem-MG
Tel: +55 31 2191 4333
Fax: +55 31 2191 4440

CANADA

ESAB Group Canada Inc.
Mississauga, Ontario
Tel: +1 905 670 0220
Fax: +1 905 670 4879

MEXICO

ESAB Mexico S.A.
Monterrey
Tel: +52 8 350 5959
Fax: +52 8 350 7554

USA

ESAB Welding & Cutting
Products
Florence, SC
Tel: +1 843 669 4411
Fax: +1 843 664 5748

Asia/Pacific

AUSTRALIA

ESAB South Pacific
Archerfield BC QLD 4108
Tel: +61 1300 372 228
Fax: +61 7 3711 2328

CHINA

Shanghai ESAB A/P
Shanghai
Tel: +86 21 2326 3000
Fax: +86 21 6566 6622

INDIA

ESAB India Ltd
Calcutta
Tel: +91 33 478 45 17
Fax: +91 33 468 18 80

INDONESIA

P.T. ESABindo Pratama
Jakarta
Tel: +62 21 460 0188
Fax: +62 21 461 2929

JAPAN

ESAB Japan
Tokyo
Tel: +81 45 670 7073
Fax: +81 45 670 7001

MALAYSIA

ESAB (Malaysia) Snd Bhd
USJ
Tel: +603 8023 7835
Fax: +603 8023 0225

SINGAPORE

ESAB Asia/Pacific Pte Ltd
Singapore
Tel: +65 6861 43 22
Fax: +65 6861 31 95

SOUTH KOREA

ESAB SeAH Corporation
Kyungnam
Tel: +82 55 269 8170
Fax: +82 55 289 8864

UNITED ARAB EMIRATES

ESAB Middle East FZE
Dubai
Tel: +971 4 887 21 11
Fax: +971 4 887 22 63

Africa

EGYPT

ESAB Egypt
Dokki-Cairo
Tel: +20 2 390 96 69
Fax: +20 2 393 32 13

SOUTH AFRICA

ESAB Africa Welding & Cutting
Ltd
Durbanvill 7570 - Cape Town
Tel: +27 (0)21 975 8924

Distributors

*For addresses and phone
numbers to our distributors in
other countries, please visit our
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www.esab.com



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