

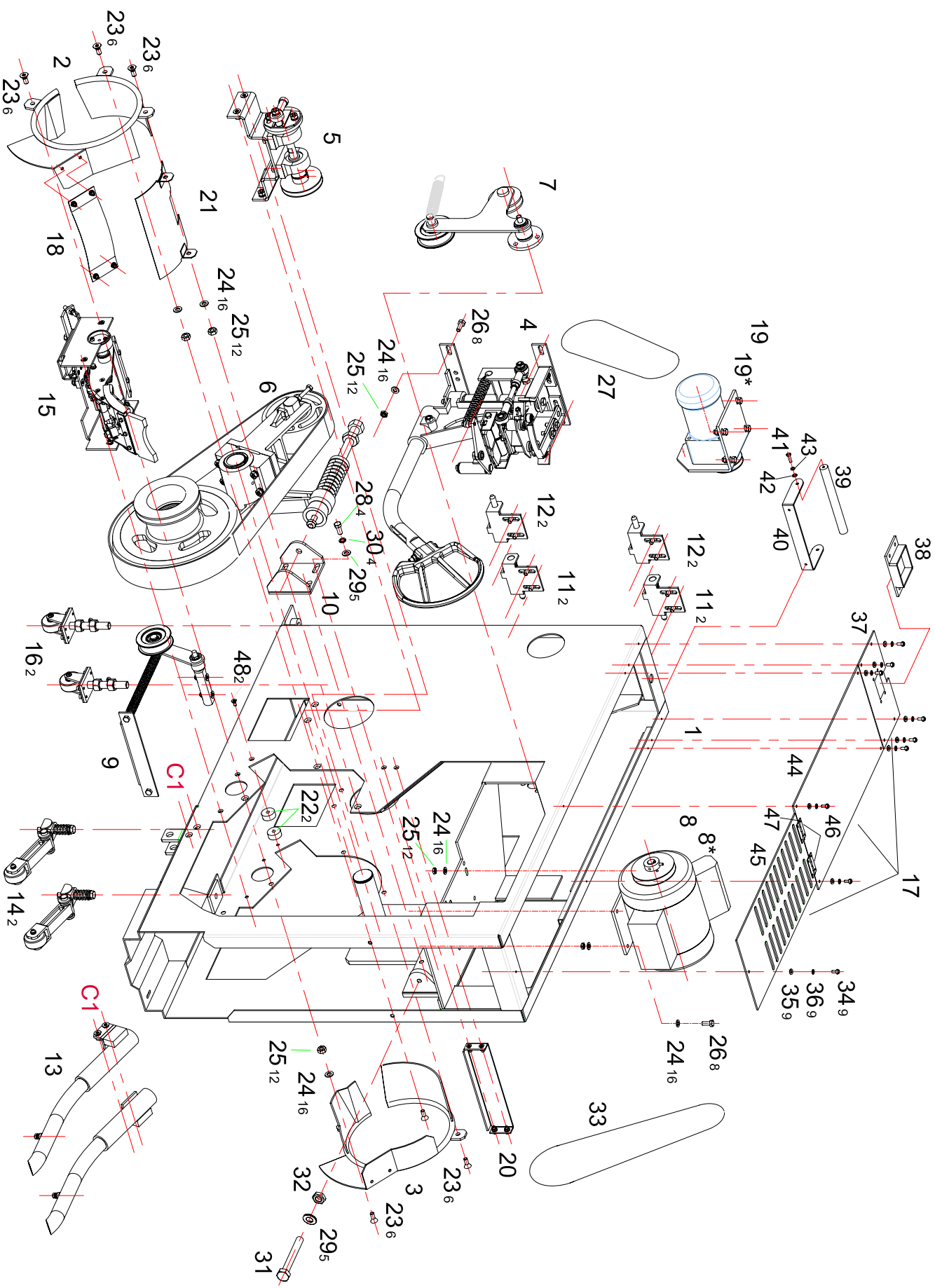
Switch[®] bowling with style



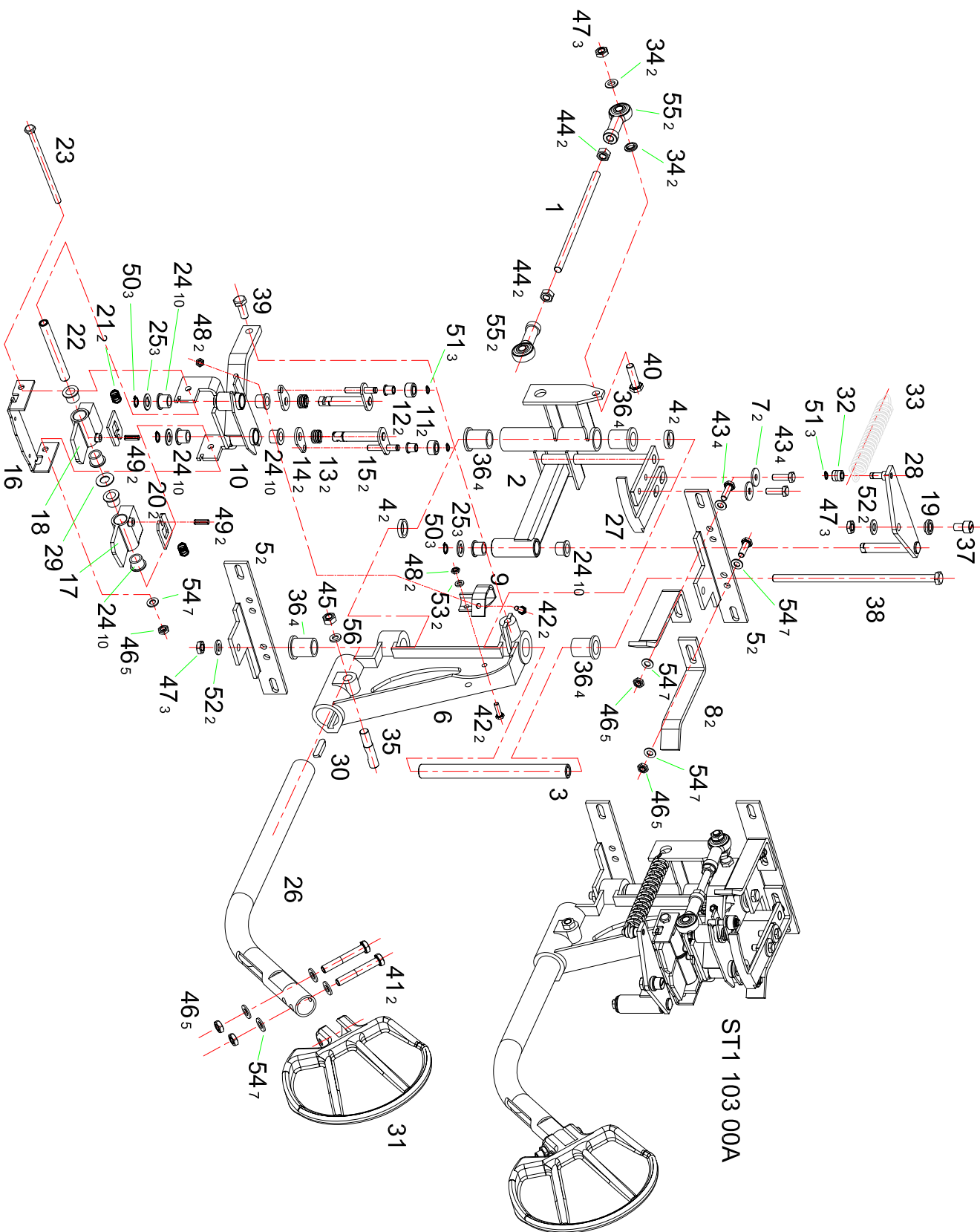
SA-1 (380V 50HZ)
&
SA-1*(220V 60HZ)
Parts manual

ver: 2.00.7.1

SWITCH ACCELERATOR SA-1 & SA-1*	
BALL SENSOR ASSEMBLY	
PADDLE ASSEMBLY	
ACCELERATOR ASSEMBLY	
DOUBLE TENSIONER ASSEMBLY	
MOTOR ASSEMBLY	
TENSIONER II	
BOLT ASSEMBLY	
TRACK RAIL ASSEMBLY	
ROLLER ASSEMBLY	
BALL SUPPORT BAFFLE ASSEMBLY	
SPRING BRACKET ASSEMBLY	
LOCK ASSEMBLY	
SWITCH ASSEMBLY I	
BALL SUPPORT PANEL ASSEMBLY	
SWITCH ASSEMBLY II	
ACTIVE ROLLER ASSEMBLY	
ARC BAFFLE & STRENGTHEN PANEL ASSY.	
GEAR BOX ASSEMBLY	
INDEX	
ST1 100 00A (00A*)	1 □2
ST1 103 00A	3 □4
ST1 105 00A	5 □6
ST1 106 00	7
ST1 107 00A	8
ST1 108 00 (00*)	9
ST1 109 00A	10
ST1 110 00 & ST1 110 01	11
ST1 111 00	12
ST1 112 00	13
ST1 113 00	14
ST1 114 00	15
ST1 115 00	16
ST1 116 00	17
ST1 117 00	18
ST1 118 00	19
ST1 119 00	20
ST1 120 00 & ST1 122 00	21
ST1 121 00A (00A*)	22
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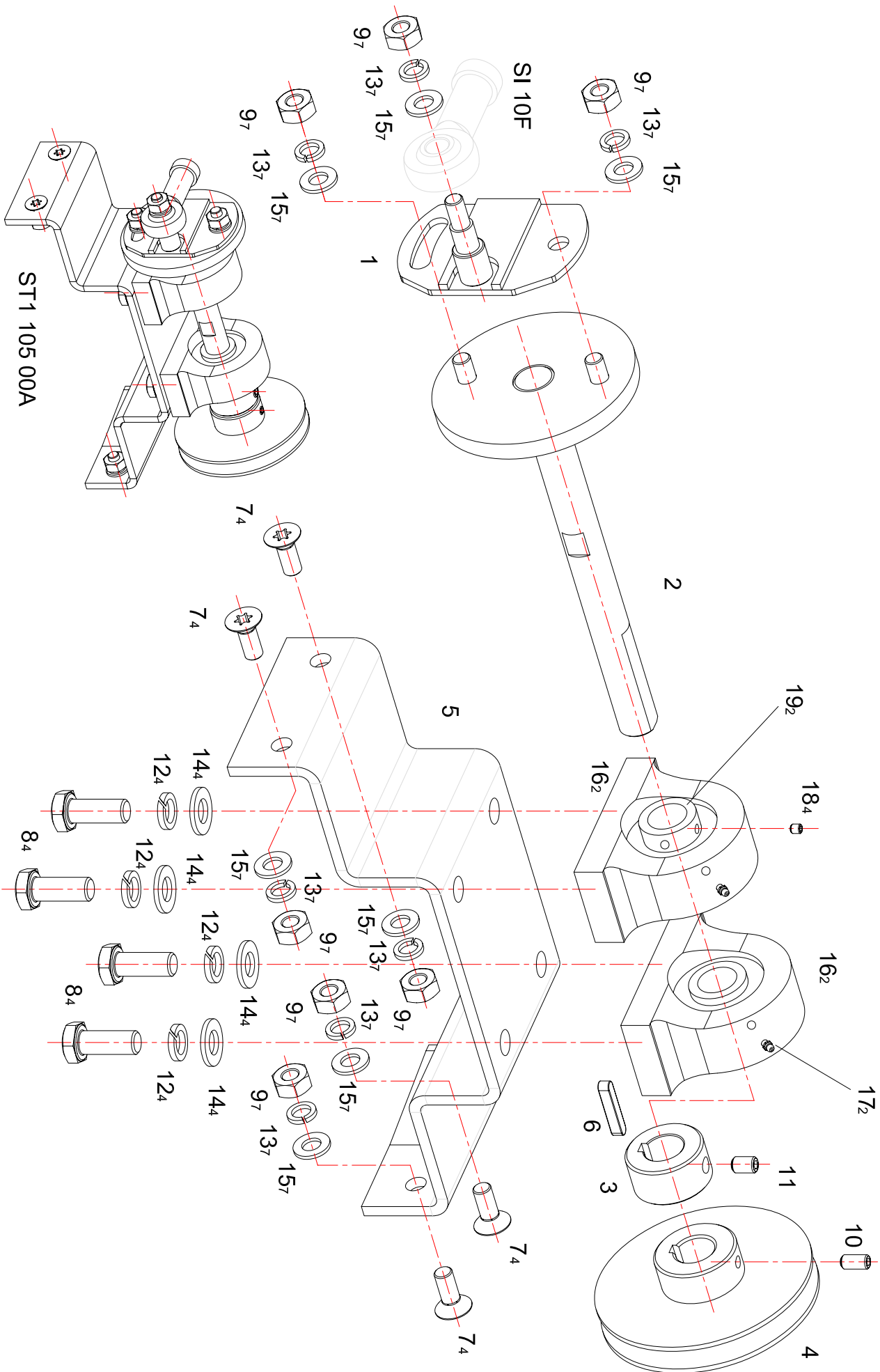


ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	ST1 101 01A	BRACKET WELDMENT	25	ST1 067 04	LOCK NUT M8
2	ST1 101 02	BALL SUPPORT A	26	ST1 065 09	HEX HEAD SCREW M8X20
3	ST1 101 03	BALL SUPPORT B	27	ST1 080 02	"V" BELT Z49
4	ST1 103 00A	BALL SENSOR ASSEMBLY	28	ST1 065 13	HEX HEAD SCREW M10X20
5	ST1 105 00A	PADDLE ASSEMBLY	29	ST1 076 06	FLAT WASHER Ø10
6	ST1 106 00	ACCELERATOR ASSEMBLY	30	ST1 075 05	SPRING WASHER Ø10
7	ST1 107 00A	DOUBLE TENSIONER ASSEMBLY	31	ST1 064 22	HEX HEAD SCREW M10X50
8	ST1 108 00	MOTOR ASSEMBLY (380V 50Hz)	32	ST1 066 07	NUT M10
8*	ST1 108 00*	MOTOR ASSEMBLY (220V 60Hz)	33	ST1 080 03	"V" BELT A 50
9	ST1 109 00A	TENSIONER II	34	ST1 080 22	BUTTON HEAD SKT. CAP SCR. M4X12
10	ST1 101 10	LEVER SUPPORT	35	ST1 076 01	FLAT WASHER Ø4
11	ST1 110 00	BOLT ASSEMBLY I	36	ST1 075 01	SPRING WASHER Ø4
12	ST1 110 01	BOLT ASSEMBLY II	37	ST1 101 37	REAR PLATE
13	ST1 111 00	TRACK RAIL ASSEMBLY	38	ST1 101 38	PLUG MOTOR
14	ST1 112 00	ROLLER ASSEMBLY	39	ST1 101 39	HANDLE
15	ST1 113 00	BALL SUPPORT BAFFLE ASS.	40	ST1 101 40	BRACKET
16	ST1 119 00	ACTIVE ROLLER ASSEMBLY	41	ST1 065 04	HEX CAP SCREW M6X16
17	ST1 101 17	CAP ASSEMBLY	42	ST1 076 03	FLAT WASHER Ø6
18	ST1 120 00	BAFFLE ASSEMBLY	43	ST1 075 03	SPRING WASHER Ø6
19	ST1 121 00A	GEAR BOX ASSEMBLY (380V 50Hz)	44	ST1 101 36	FIXED CAP
19*	ST1 121 00A*	GEAR BOX ASSEMBLY (220V 60Hz)	45	ST1 101 35	ACTIVE CAP
20	ST1 122 00	STRENGTHEN PANEL ASS.	46	ST1 101 46	GEMEL 2"
21	ST1 101 21	SAFEGUARD WELDMENT	47	ST1 072 05	RIVET M4 X16
22	ST1 101 41	BUMPER ASSEMBLY	48	ST1 062 02	FLAT SOCKET CAP SCREW M6X16
23	ST1 062 07	FLAT SOCKET CAP SCREW M8X25			
24	ST1 076 04	FLAT WASHER Ø8			



BALL SENSOR ASSEMBLY ST1 103 00A

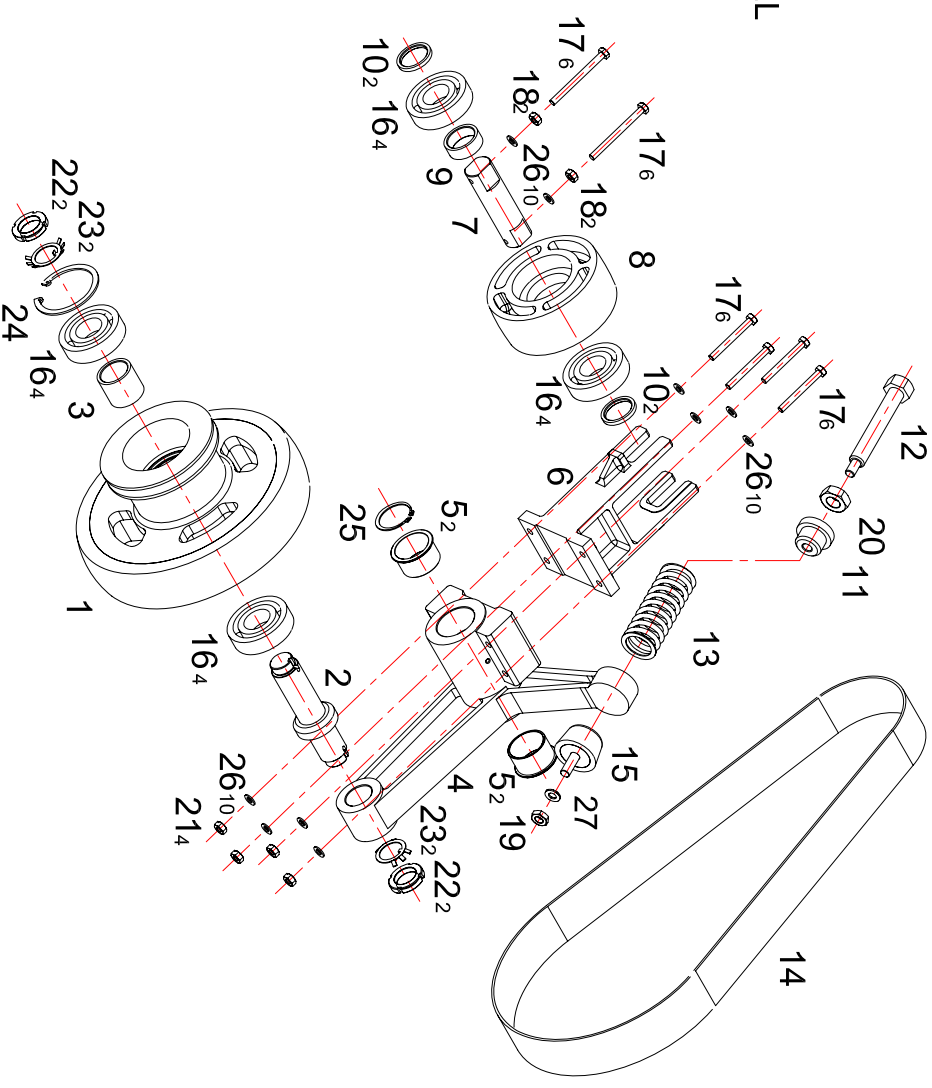
ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	ST1 103 01A	ROD	29	ST1 103 29	WASHER SPACER Ø13
2	ST1 103 02	RUDDER DRIVE WELDMENT	30	ST1 103 30	SPECIAL KEY 40X8X7
3	ST1 103 03	SHAFT RUDDER	31	ST1 103 31	PADDLE
4	ST1 103 04	SPECIAL WASHER Ø19	32	ST1 103 32	ROLLER II
5	ST1 103 05A	RUDDER ARM SUPPORT	33	ST1 055 02	SPRING
6	ST1 103 06	RUDDER ARM SUPPORT	34	ST1 103 34	UNIBALL BEARING WASHER Ø10
7	ST1 103 07	WASHER Ø9	35	ST1 103 35	CLAMP STUD
8	ST1 103 08	TRIP ARM	36	ST1 103 36	FLANGE BEARING
9	ST1 103 09	STRENGTHEN PANEL	37	ST1 005 40	CAM FOLLOWER CF10KZ
10	ST1 103 10	CAM SENSOR ASSEMBLY	38	ST1 064 32	HEX HEAD SCREW M10X240
11	ST1 103 11	ROLLER	39	ST1 065 14	HEX HEAD SCREW M10X25
12	ST1 103 12	FLANGE BEARING	40	ST1 065 16	HEX HEAD SCREW M10X40
13	ST1 103 13	SPRING	41	ST1 064 14	HEX HEAD SCREW M8X60
14	ST1 103 14	TAB II	42	ST1 065 05	HEX HEAD SCREW M6X20
15	ST1 103 15	TRIP ARM ASSEMBLY	43	ST1 065 09	HEX HEAD SCREW M8X20
16	ST1 103 16	CAM	44	ST1 066 07	NUT M10
17	ST1 103 17	RUDDER CAM ASSEMBLY L.H.	45	ST1 066 09	NUT M12
18	ST1 103 18	RUDDER CAM ASSEMBLY R.H.	46	ST1 067 04	LOCK NUT M8
19	ST1 103 19	WASHER PLAIN Ø11	47	ST1 067 05	LOCK NUT M10
20	ST1 103 20	TRIP FINGER	48	ST1 067 03	LOCK NUT M6
21	ST1 103 21	SPRING	49	ST1 073 13	ROLL PIN Ø6X20
22	ST1 103 22	SLEEVE	50	ST1 074 03	RETAINING RING Ø12
23	ST1 064 31	HEX HEAD SCREW M8X140	51	ST1 074 11	RETAINING RING Ø8
24	ST1 103 24	FLANGE BEARING	52	ST1 076 06	FLAT WASHER Ø10
25	ST1 103 25	SPECIAL WASHER Ø13	53	ST1 076 03	FLAT WASHER Ø6
26	ST1 103 26	RUDDER ARM	54	ST1 076 04	FLAT WASHER Ø8
27	ST1 103 27	CAM WELDMENT	55	ST1 017 43	ROD END BNF-10
28	ST1 103 28	LINK WELDMENT	56	ST1 076 07	FLAT WASHER Ø12



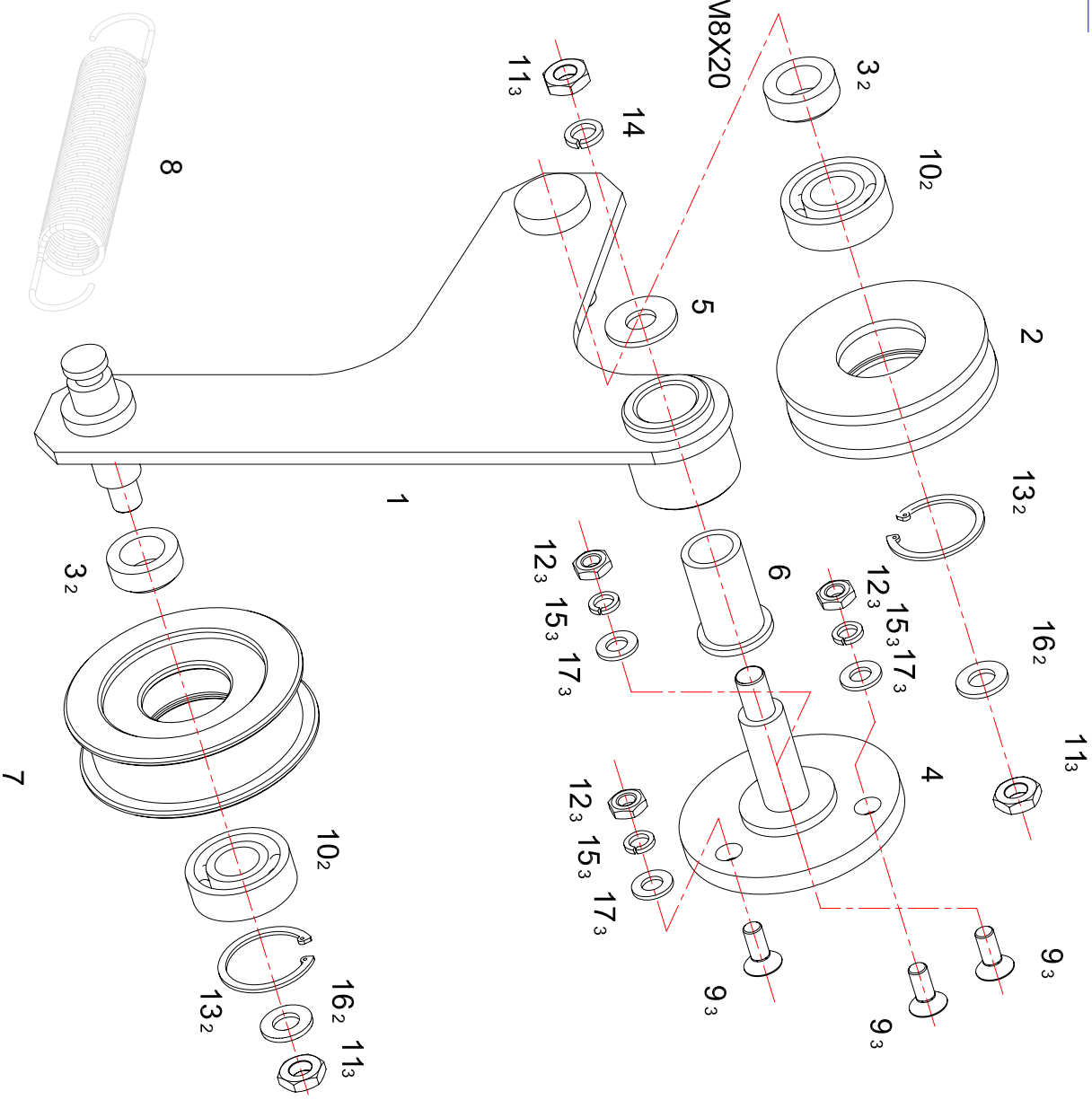
ST1 105 00A

ITEM	PART NO.	DESCRIPTION
1	ST1 105 01A	CRANK ADJUSTMENT PLATE
2	ST1 105 02A	CRANK SHAFT WELDMENT
3	ST1 105 03A	FIXED RING
4	ST1 105 04A	PULLEY
5	ST1 105 05A	BRACKET WELDMENT
6	ST1 060 11	KEY 28x5x5
7	ST1 062 06	FLAT SOCKET CAP SCREW M8X20
8	ST1 065 13	HEX DEAD SCREW M10X20
9	ST1 067 04	LOCK NUT M8
10	ST1 070 02	SOCKET HEAD CAP SCREW M6X12
11	ST1 070 08	SOCKET HEAD CAP SCREW M8X10
12	ST1 075 05	SPRING WASHER Ø10
13	ST1 075 04	SPRING WASHER Ø8
14	ST1 076 06	FLAT WASHER Ø10
15	ST1 076 04	FLAT WASHER Ø8
16	ST1 105 06A	BRACKET WITH BEARING UC 203
17	ST1 061 03	GREASE FITTING M6
18	ST1 070 13	SOCKET SET SCREW M5X5
19	ST1 063 15	BEARING UC 203

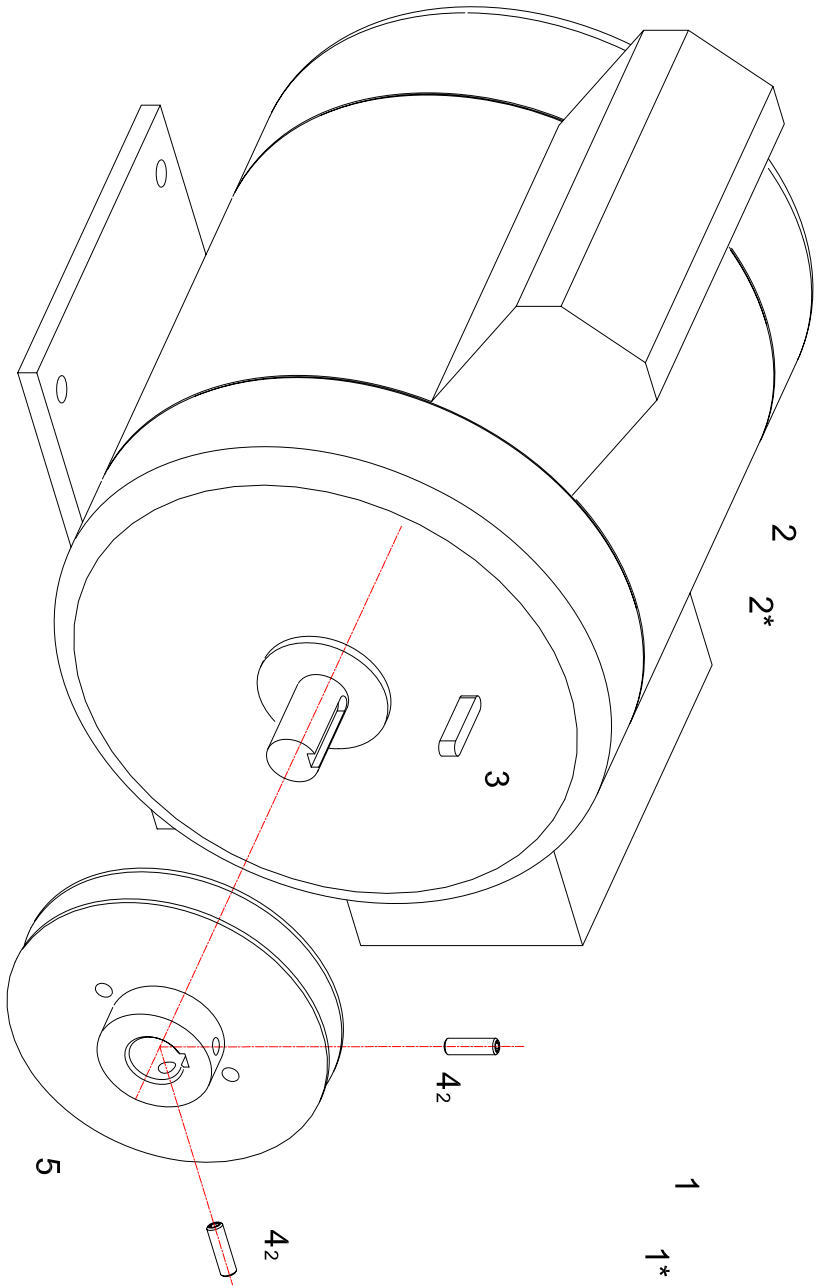
ITEM	PART NO.	DESCRIPTION
1	ST1 106 01	ACCELERATION DRIVER
2	ST1 106 02	SHAFT
3	ST1 106 03	SHAFT SLEEVE
4	ST1 106 04	ARM
5	ST1 106 05	BEARING SLEEVE
6	ST1 106 06	WHEEL SUPPORT ASSEMBLY
7	ST1 106 07	SHAFT
8	ST1 106 08	ACCELARATION DRIVEN WHEEL
9	ST1 106 09	SHAFT SLEEVE
10	ST1 106 10	SHAFT SLEEVE
11	ST1 106 11	SHAFT SLEEVE
12	ST1 106 12	SPECIAL SCREW M30X140
13	ST1 106 13	SPRING
14	ST1 106 14	BELT GUIDE
15	ST1 106 15	RUBBER BLOCK
16	ST1 063 14	BEARING 80307
17	ST1 064 16	HEX CAP SCREW M8X70
18	ST1 066 06	NUT M8
19	ST1 066 09	NUT M12
20	ST1 066 13	NUT M20
21	ST1 067 04	LOCK NUT M8
22	ST1 066 14	NUT M30X1,5
23	ST1 075 09	WASHER Ø30
24	ST1 074 13	INTERNAL RING Ø80
25	ST1 074 16	EXTERNAL RING Ø45
26	ST1 076 04	FLAT WASHER Ø8
27	ST1 076 07	FLAT WASHER Ø12



ITEM	PART NO.	DESCRIPTION
1	ST 1 107 01A	BELT TIGHTENER ARM
2	ST 1 107 02	TENSIONER
3	ST 1 049 02	FLANGE BEARING
4	ST 1 107 04	FIXED PLATE
5	ST 1 107 05	WASHER Ø10
6	ST 1 107 06	FLANGE BEARING
7	ST 1 049 03	TENSIONER
8	ST 1 107 08	SPRING
9	ST 1 062 06	FLAT SOCKET CAP SCREW M8X20
10	ST 1 063 06	BEARING 80202
11	ST 1 067 05	LOCK NUT M10
12	ST 1 067 04	LOCK NUT M8
13	ST 1 074 06	RAITAINING RING Ø35
14	ST 1 075 05	SPRING WASHER Ø10
15	ST 1 075 04	SPRING WASHER Ø8
16	ST 1 076 06	FLAT WASHER Ø10
17	ST 1 076 04	FLAT WASHER Ø6

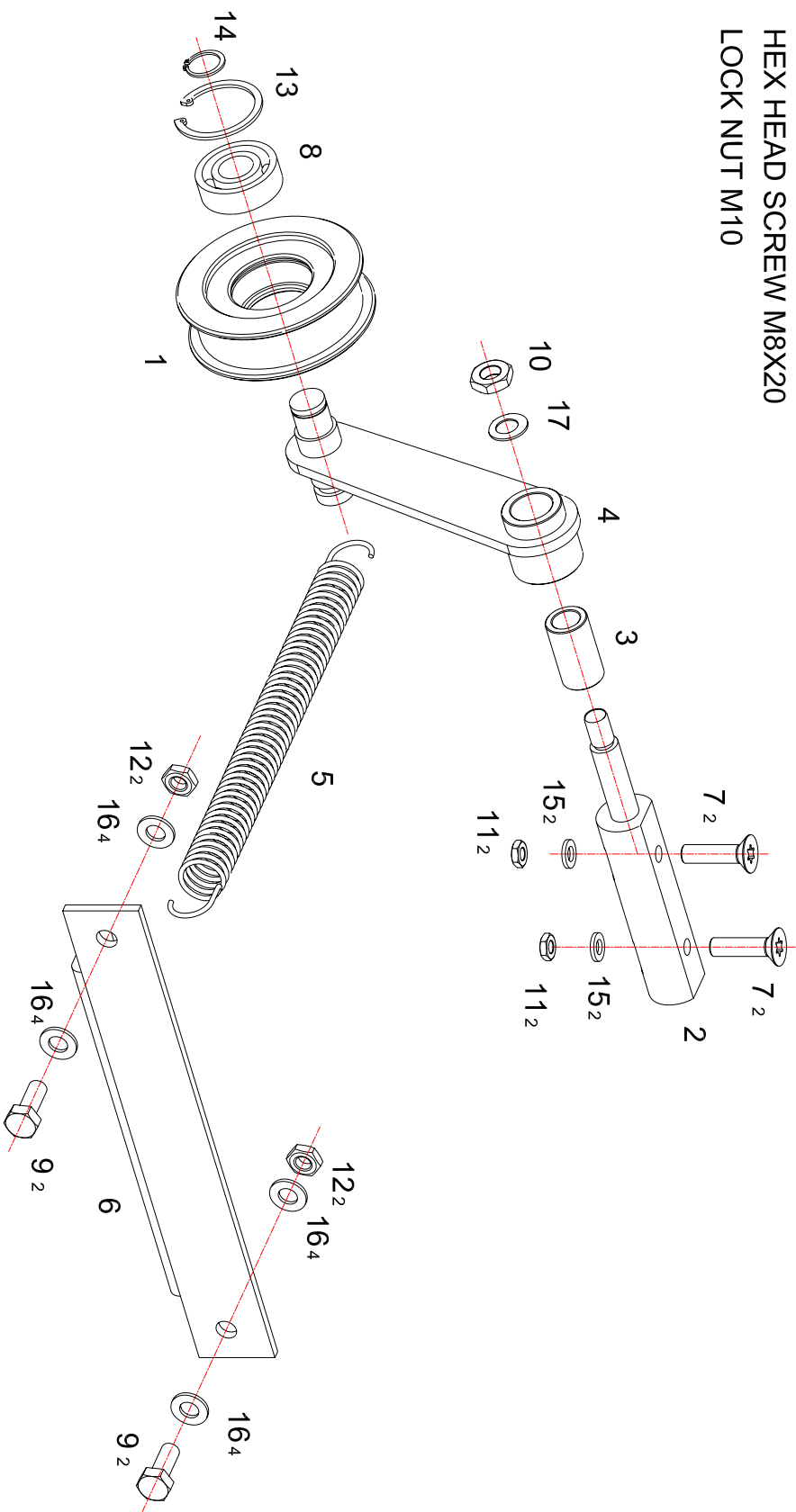


ITEM	PART NO.	DESCRIPTION
1	ST1 108 00	MOTOR ASSEMBLY (380V 50Hz)
1*	ST1 108 00*	MOTOR ASSEMBLY (220V 60Hz)
2	ST1 108 02	MOTOR (380V 50Hz)
2*	ST1 108 02*	MOTOR (220V 60Hz)
3	ST1 060 10	KEY 20x5x5
4	ST1 070 12	SOCKET SET SCREW M5X16
5	ST1 108 05	BELT PULLEY

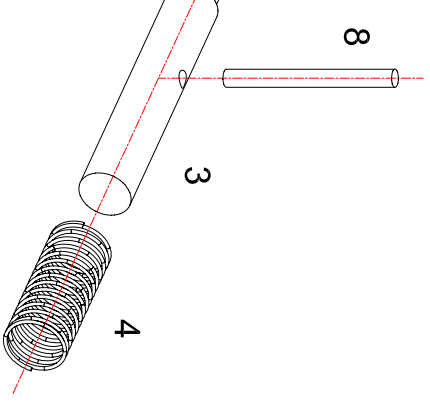
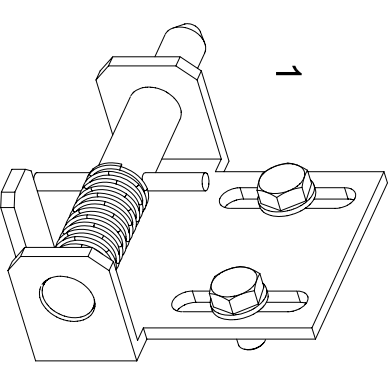
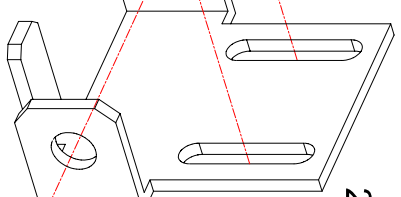
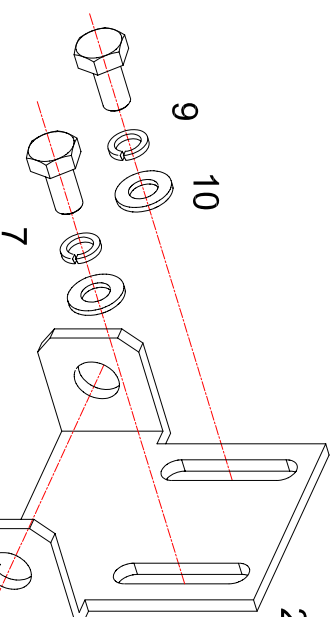
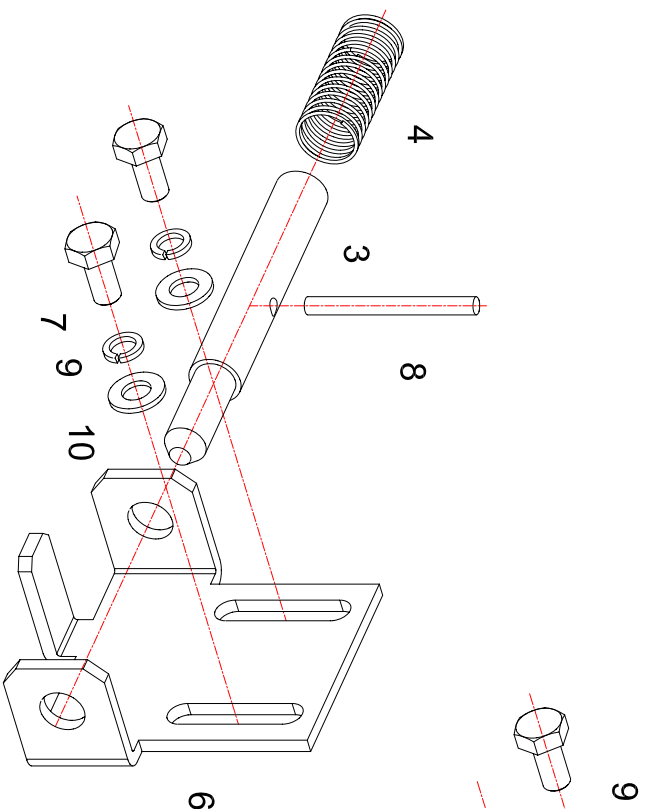
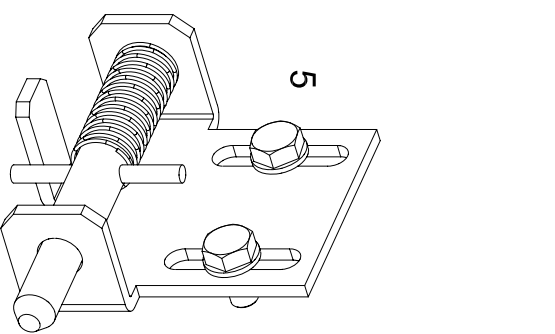


MODEL	ST1 108 02	ST1 108 02*
OUTPUT	0.75KW	
VOLT	380 V	220 V
AMPERE	2.1A	3.7A
FREQ.	50Hz	60Hz
POLE	4	
R.P.M.	1420	1700
INS.CL	F	
PHASE	3	

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	ST1 049 03	TENSIONER	11	ST1 067 03	LOCK NUT M6
2	ST1 109 02A	SHAFT	12	ST1 067 04	LOCK NUT M8
3	ST1 109 03	BRONZE BUSH	13	ST1 074 06	RAITAINING RING Ø35
4	ST1 109 04A	BELT TIGHTENER ARM	14	ST1 074 15	EXTERNAL RING Ø14
5	ST1 109 05	SPRING	15	ST1 076 03	FLAT WASHER Ø6
6	ST1 109 06	SPRING HOOK	16	ST1 076 04	FLAT WASHER Ø8
7	ST1 062 15	FLAT SOCKET CAP SCREW M6X35	17	ST1 076 06	FLAT WASHER Ø10
8	ST1 063 06	BEARING 80202			
9	ST1 065 09	HEX HEAD SCREW M8X20			
10	ST1 067 05	LOCK NUT M10			

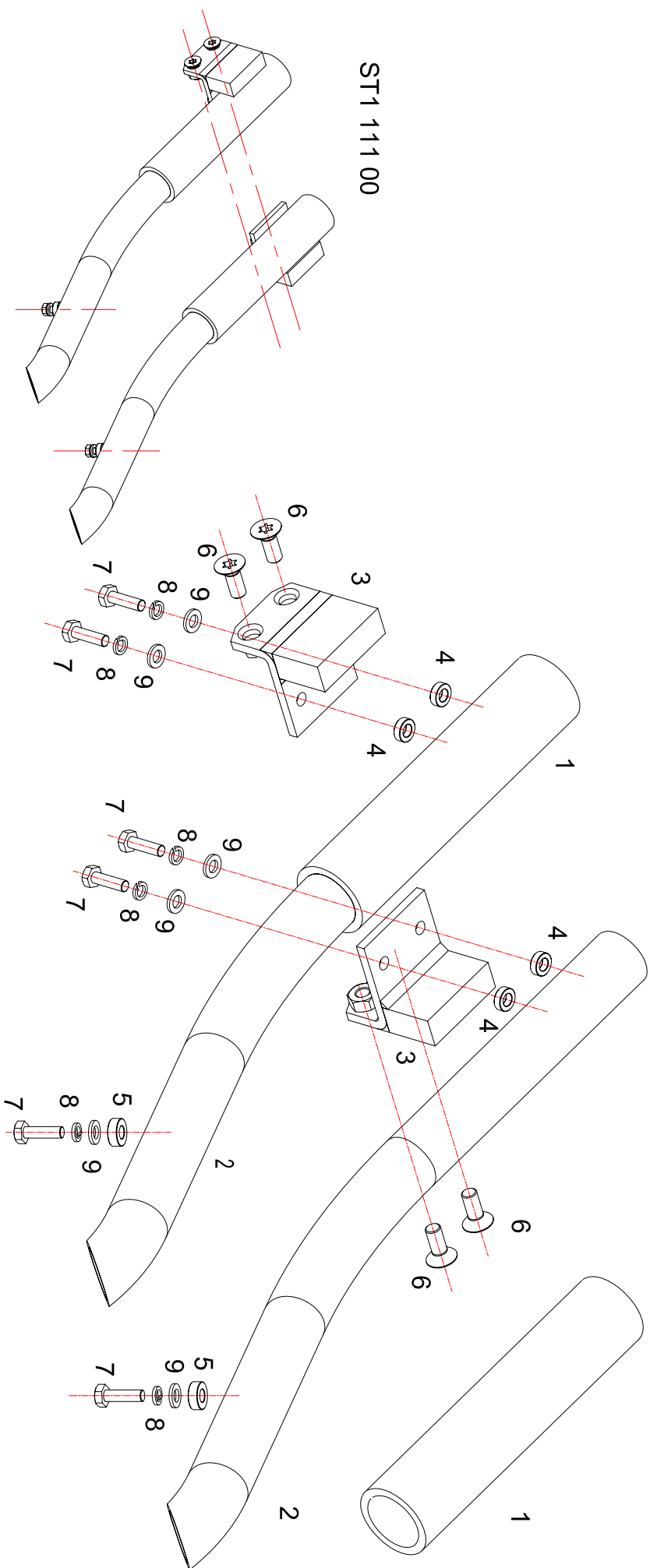


ITEM	PART NO.	DESCRIPTION
1	ST1 110 00	BOLT ASSEMBLY I
2	ST1 110 02	BOLT BRACKET WELDMENT I
3	ST1 110 03	SPECIAL BOLT
4	ST1 110 04	SPRING
5	ST1 110 01	BOLT ASSEMBLY II
6	ST1 110 06	BOLT BRACKET WELDMENT II
7	ST1 065 08	HEX CAP SCREW M8X16
8	ST1 073 14	ROLL PIN Ø5X50
9	ST1 075 04	SPRING WASHER Ø8
10	ST1 076 04	FLAT WASHER Ø8

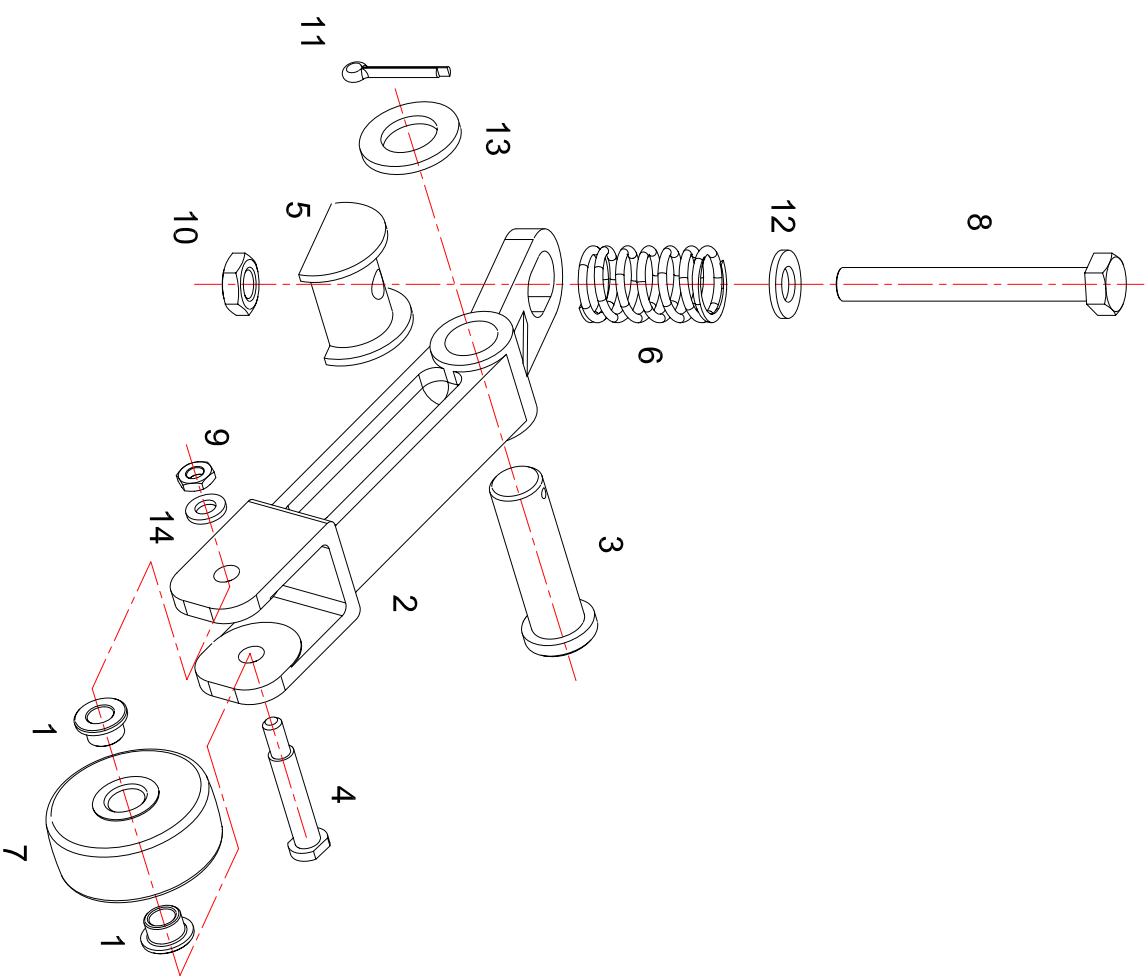


ITEM	PART NO.	DESCRIPTION
1	ST1 111 01	TRACK COVER
2	ST1 111 02	TRACK RAIL WELDMENT
3	ST1 111 03	TRACK RAIL SUPPORT
4	ST1 111 04	SPECIAL WASHER Ø7X4
5	ST1 111 05	SPECIAL WASHER Ø7X5
6	ST1 062 06	FLAT SOCKET CAP SCREW M8X20
7	ST1 065 05	HEX CAP SCREW M6X20
8	ST1 075 03	SPRING WASHER Ø6
9	ST1 076 03	FLAT WASHER Ø6

ST1 111 00

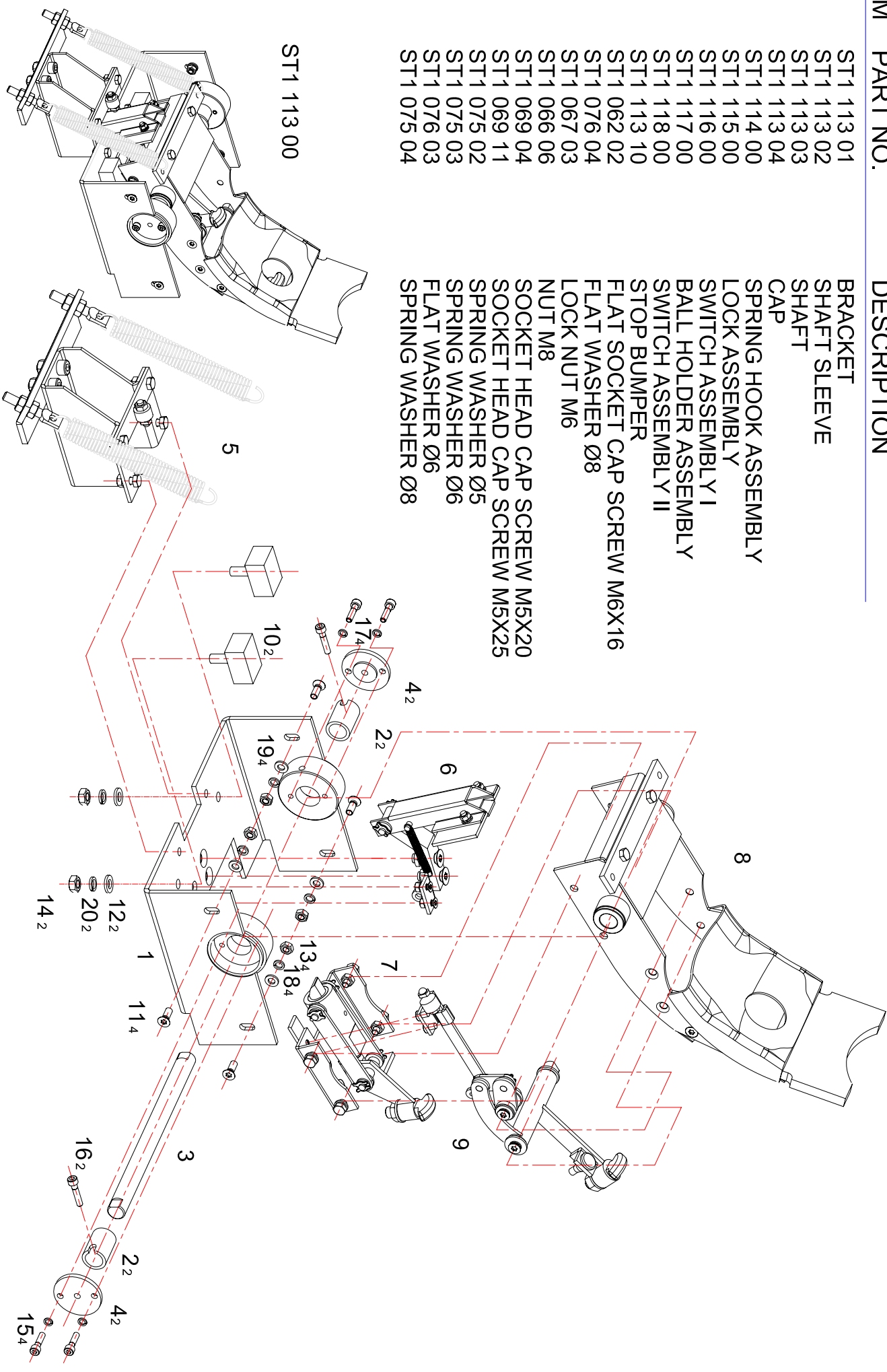


ITEM	PART NO.	DESCRIPTION
1	ST1 019 25	FLANGE BEARING
2	ST1 112 02	IDLER PULLEY ARM
3	ST1 112 03	SHAFT
4	ST1 112 04	SHAFT
5	ST1 112 05	SPECIAL NUT M10
6	ST1 112 06	SPRING
7	ST1 112 07	ROLLER
8	ST1 064 33	HEX HEAD SCREW M10X80
9	ST1 067 03	LOCK NUT M6
10	ST1 067 05	LOCK NUT M10
11	ST1 073 16	PIN 3,25X25
12	ST1 076 06	FLAT WASHER Ø10
13	ST1 076 08	FLAT WASHER Ø16
14	ST1 076 03	FLAT WASHER Ø6

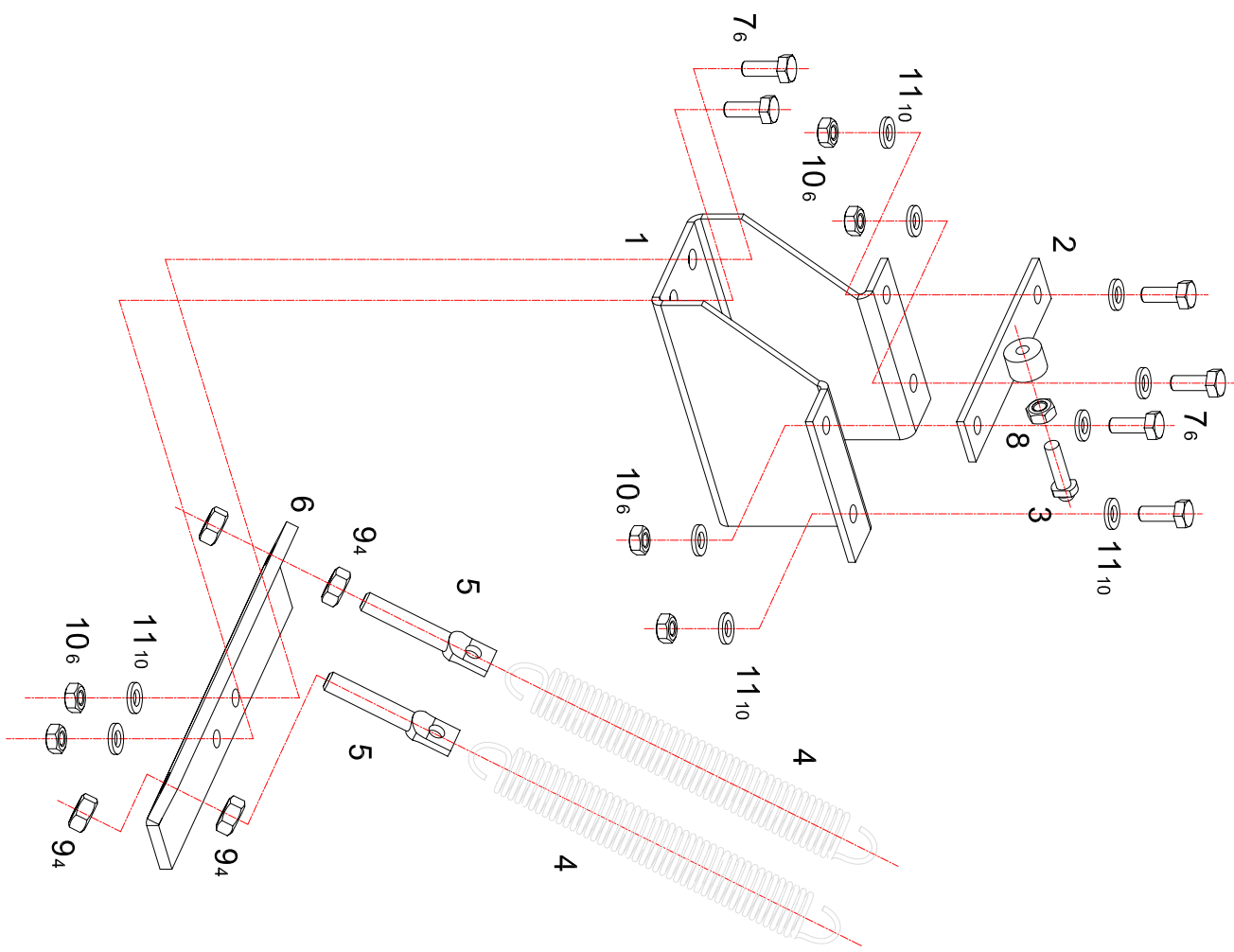
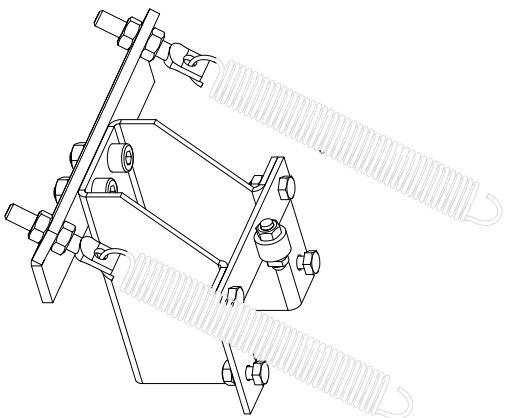


ITEM	PART NO.	DESCRIPTION
1	ST1 113 01	BRACKET
2	ST1 113 02	SHAFT SLEEVE
3	ST1 113 03	SHAFT
4	ST1 113 04	CAP
5	ST1 114 00	SPRING HOOK ASSEMBLY
6	ST1 115 00	LOCK ASSEMBLY
7	ST1 116 00	SWITCH ASSEMBLY I
8	ST1 117 00	BALL HOLDER ASSEMBLY
9	ST1 118 00	SWITCH ASSEMBLY II
10	ST1 113 10	STOP BUMPER
11	ST1 062 02	FLAT SOCKET CAP SCREW M6X16
12	ST1 076 04	FLAT WASHER Ø8
13	ST1 067 03	LOCK NUT M6
14	ST1 066 06	NUT M8
15	ST1 069 04	SOCKET HEAD CAP SCREW M5X20
16	ST1 069 11	SOCKET HEAD CAP SCREW M5X25
17	ST1 075 02	SPRING WASHER Ø5
18	ST1 075 03	SPRING WASHER Ø6
19	ST1 076 03	FLAT WASHER Ø6
20	ST1 075 04	SPRING WASHER Ø8

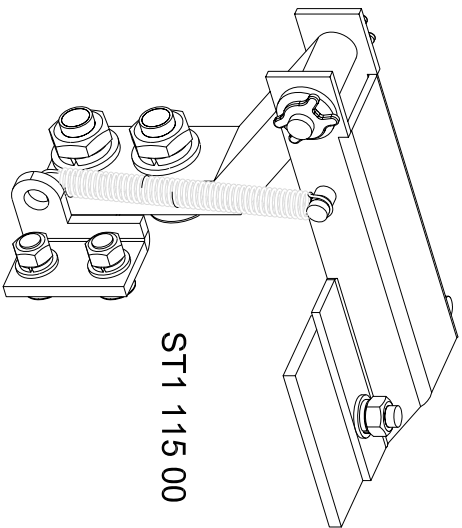
ST1 113 00



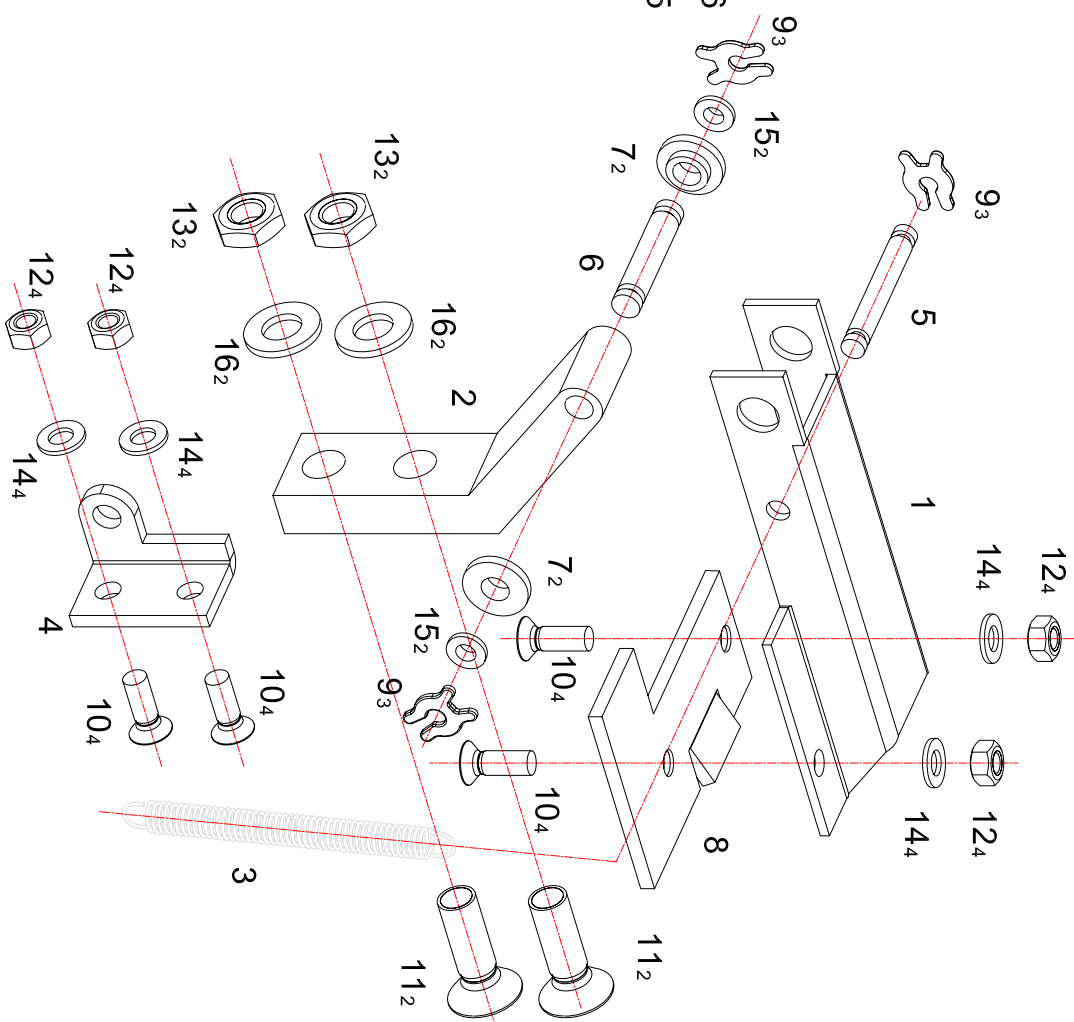
ITEM	PART NO.	DESCRIPTION
1	ST1 114 01	SPRING HOOK SUPPORT
2	ST1 114 02	ADJUSTMENT WELDMENT
3	ST1 114 03	BLOCK
4	ST1 114 04	SPRING
5	ST1 114 05	SPECIAL SCREW M8
6	ST1 114 06	CONNECTING PANEL
7	ST1 065 05	HEX HEAD SCREW M6X20
8	ST1 066 04	NUT M6
9	ST1 066 06	NUT M8
10	ST1 067 03	LOCK NUT M6
11	ST1 076 03	FLAT WASHER Ø6



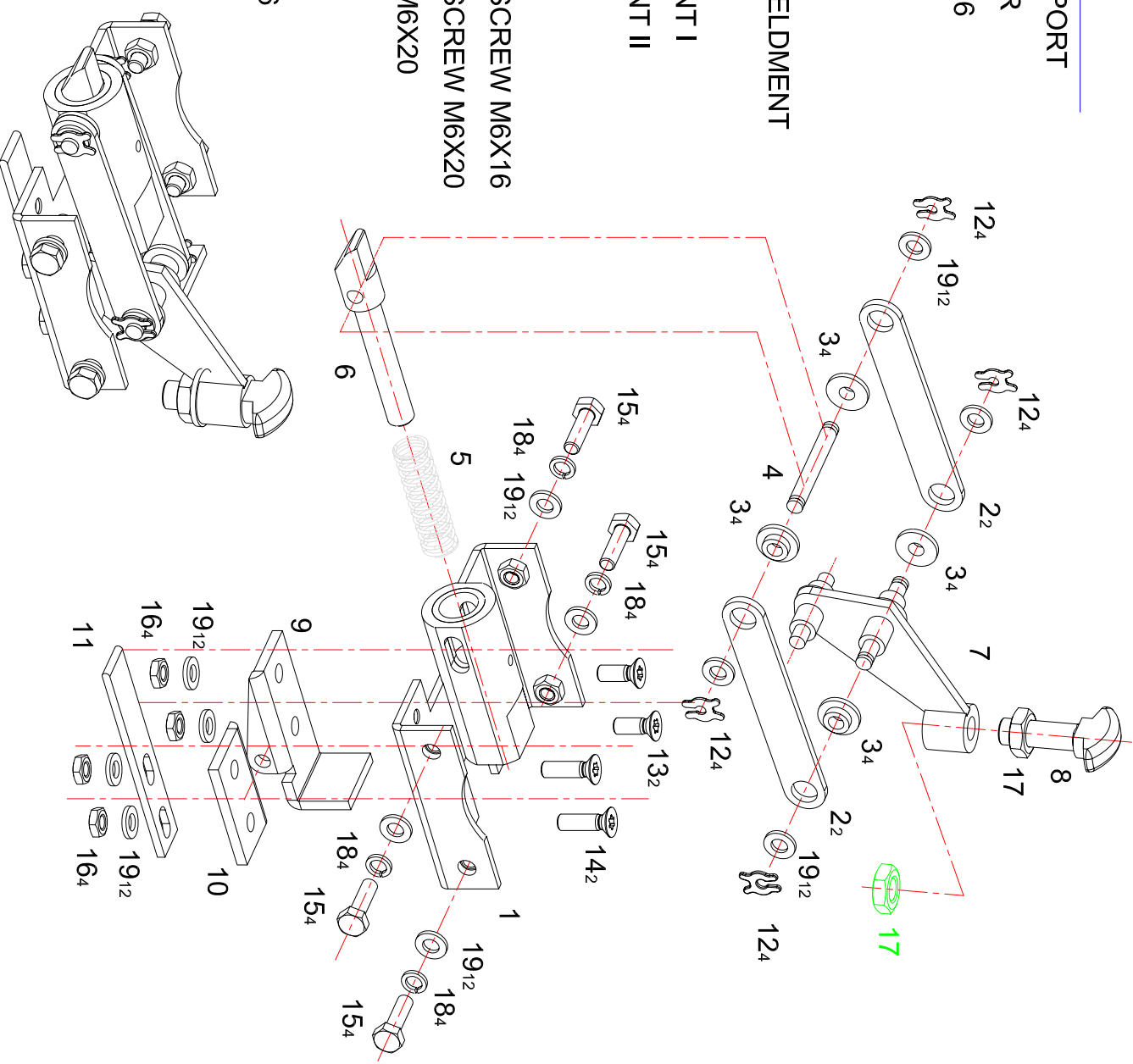
ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	ST1 115 01	LOCK WELDMENT	15	ST1 076 03	FLAT WASHER Ø6
2	ST1 115 02	LOCK WELDMENT SUPPORT	16	ST1 076 04	FLAT WASHER Ø8
3	ST1 115 03	SPRING			
4	ST1 115 04	SPRING HOOK			
5	ST1 115 05	SHAFT			
6	ST1 115 06	SHAFT			
7	ST1 115 07	SPECIAL WASHER Ø6			
8	ST1 115 08	LIMITED PANEL			
9	ST1 007 22	X WASHER			
10	ST1 062 13	FLAT SOCKET CAP SCREW M5X16			
11	ST1 062 07	FLAT SOCKET CAP SCREW M8X25			
12	ST1 067 02	LOCK NUT M5			
13	ST1 067 04	LOCK NUT M8			
14	ST1 076 02	FLAT WASHER Ø5			



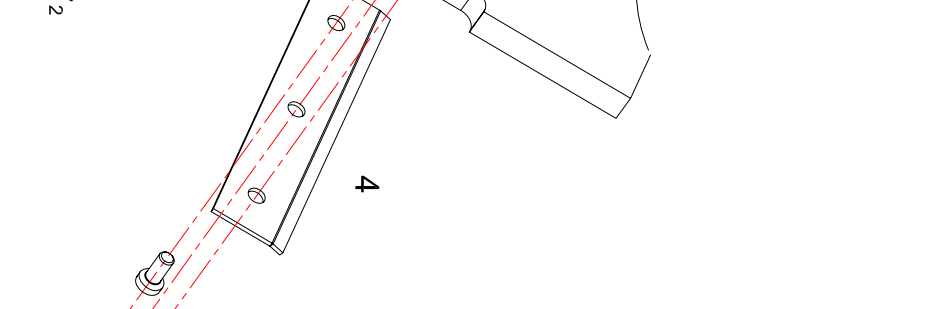
ST1 115 00



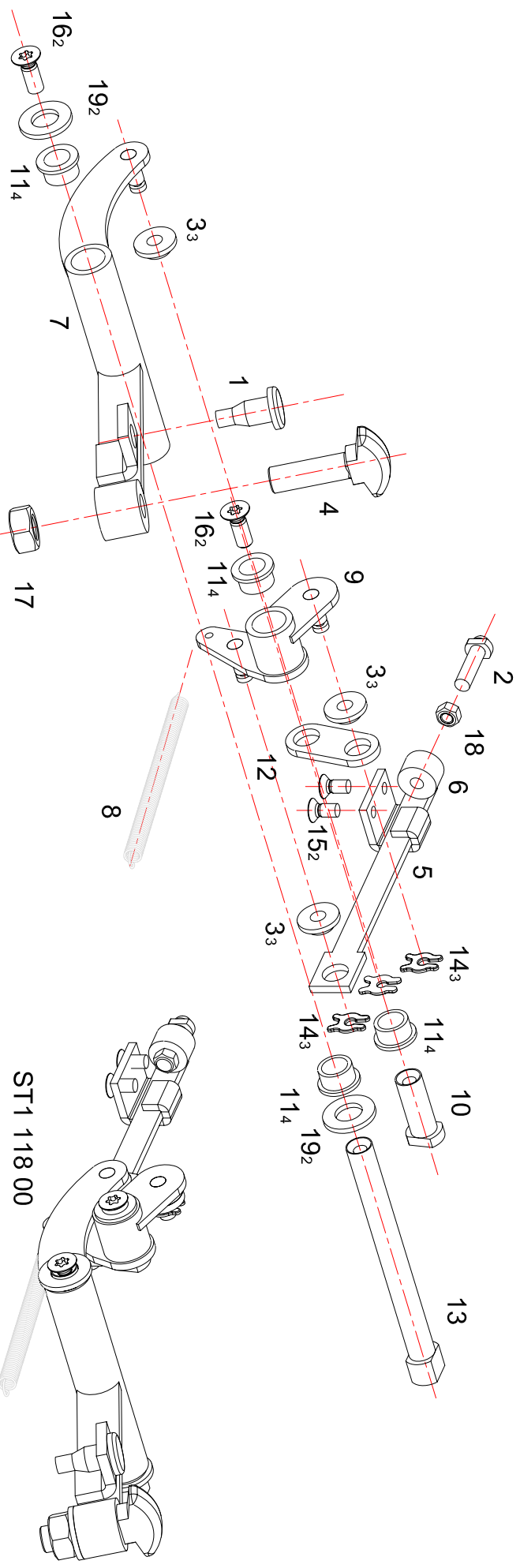
ITEM	PART NO.	DESCRIPTION
1	ST1 116 01	TRACK COVER SUPPORT
2	ST1 116 02	CONNECTING LEVER
3	ST1 116 03	SPECIAL WASHER Ø6
4	ST1 116 04	SHAFT
5	ST1 116 05	SPRING
6	ST1 116 06	SPECIAL ROLL PIN
7	ST1 116 07	BLOCK SUPPORT WELDMENT
8	ST1 116 08	BLOCK
9	ST1 116 09	SUPPORT WELDMENT I
10	ST1 116 10	SUPPORT WELDMENT II
11	ST1 116 11	LOWER PANEL
12	ST1 007 22	X WASHER
13	ST1 062 02	FLAT SOCKET CAP SCREW M6X16
14	ST1 062 03	FLAT SOCKET CAP SCREW M6X20
15	ST1 065 05	HEX HEAD SCREW M6X20
16	ST1 067 03	LOCK NUT M6
17	ST1 066 07	LOCK NUT M10
18	ST1 075 03	SPRING WASHER Ø6
19	ST1 076 03	FLAT WASHER Ø6



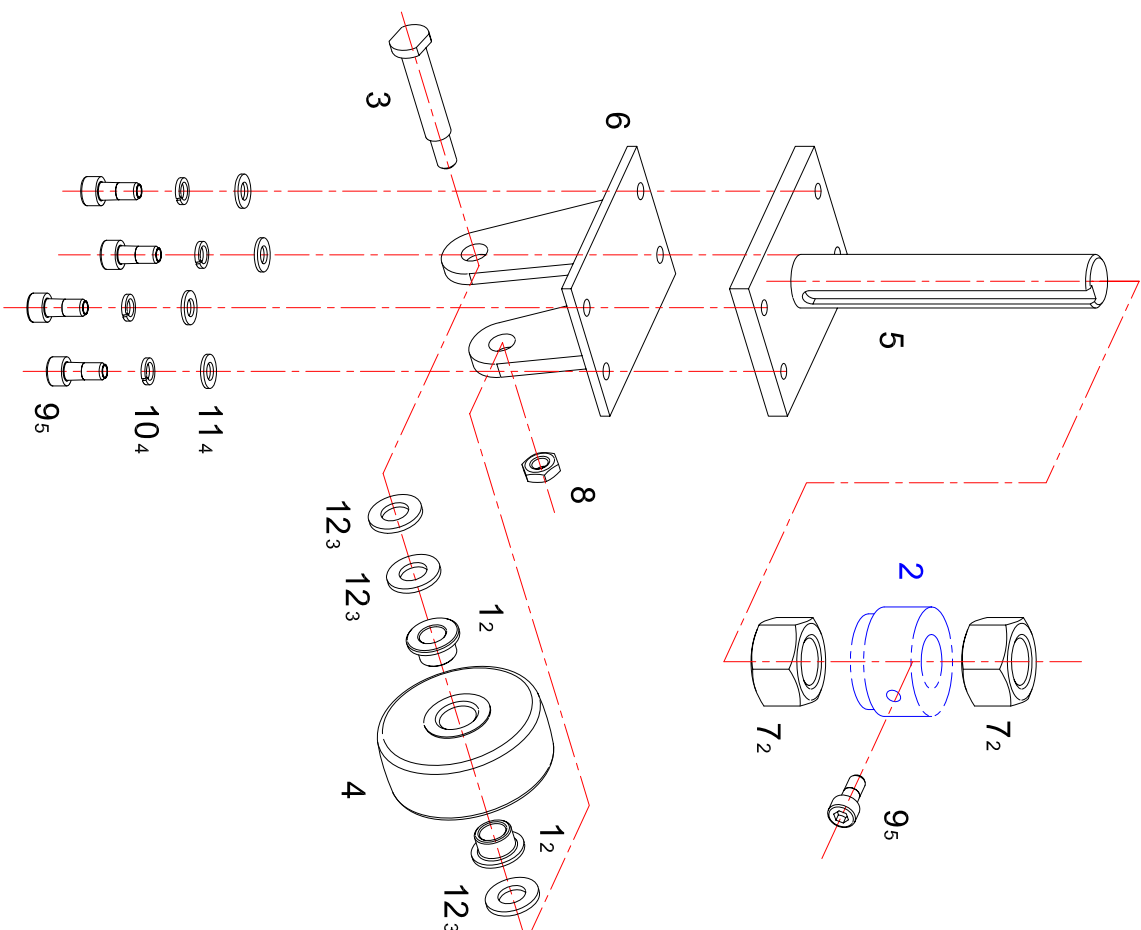
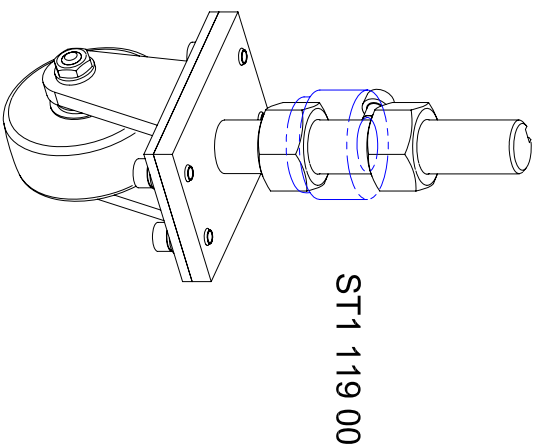
SA-1



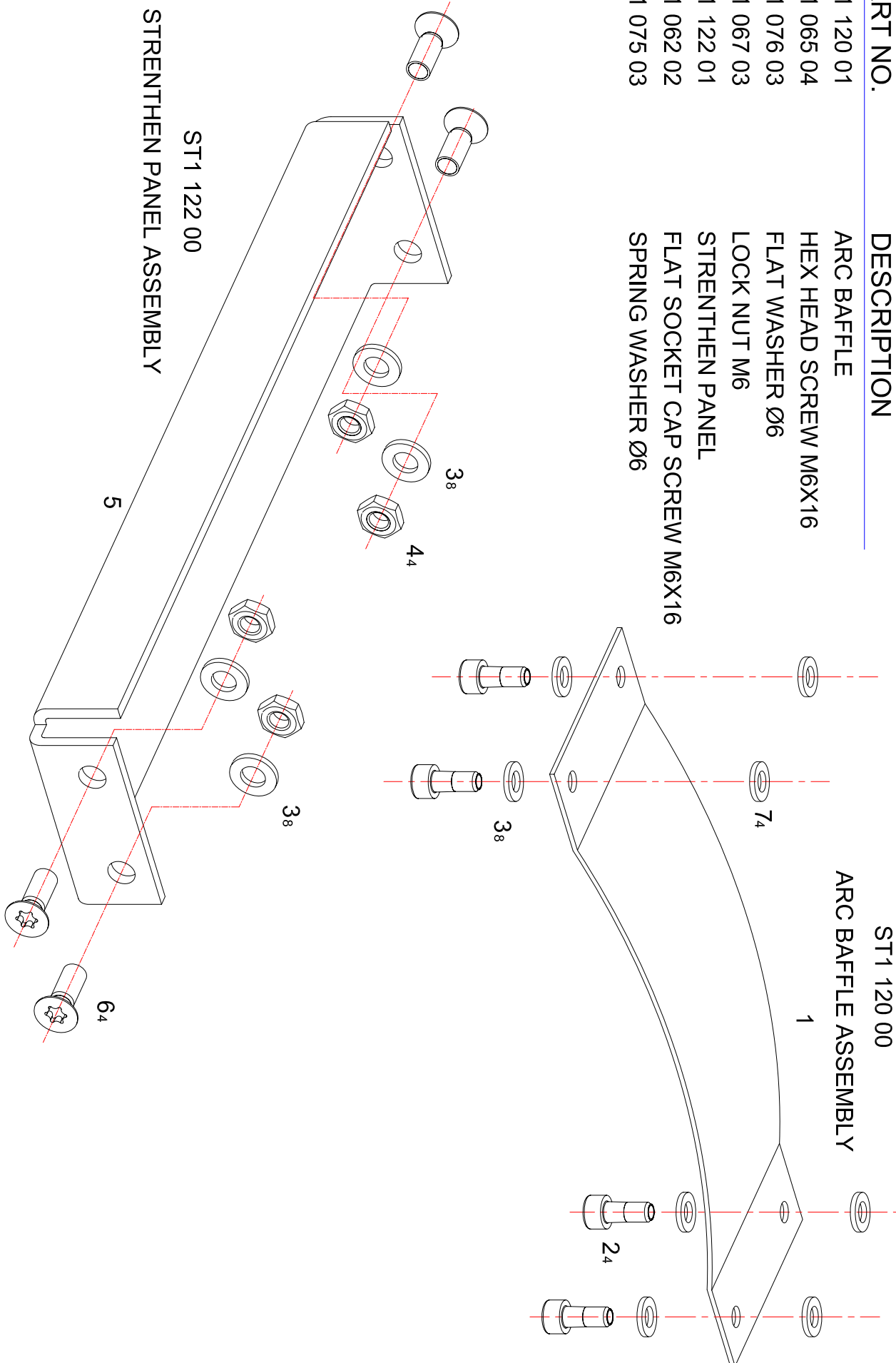
ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	ST1 009 27	RUBBER BUMPER	11	ST1 118 11	SPECIAL WASHER Ø10
2	ST1 114 03	BLOCK	12	ST1 118 12	ROD
3	ST1 116 03	SPECIAL WASHER Ø6	13	ST1 118 13	SHAFT
4	ST1 116 08	BUMPER BLOCK	14	ST1 007 22	X WASHER
5	ST1 118 05	DIRECTION PANEL	15	ST1 062 14	FLAT SOCKET CAP SCREW M5X8
6	ST1 118 06	ROD	16	ST1 062 01	FLAT SOCKET CAP SCREW M6X12
7	ST1 118 07	ROD	17	ST1 066 07	NUT M10
8	ST1 118 08	SPRING	18	ST1 066 04	NUT M6
9	ST1 118 09	TRIANGLE PANEL	19	ST1 076 06	FLAT WASHER Ø10
10	ST1 118 10	SHAFT			



ITEM	PART NO.	DESCRIPTION
1	ST1 019 25	FLANGE BEARING
2	ST1 101 01A	BRACKET WELDMENT
3	ST1 112 04	SHAFT
4	ST1 112 07	ROLLER
5	ST1 119 05	ROLLER ADJUSTMENT WELDMENT
6	ST1 119 06	ACTIVE ROLLER ARM
7	ST1 066 12	NUT M16
8	ST1 067 03	LOCK NUT M6
9	ST1 069 03	SOCKET HEAD CAP SCREW M5X16
10	ST1 075 02	SPRING WASHER Ø5
11	ST1 076 02	FLAT WASHER Ø5
12	ST1 076 04	FLAT WASHER Ø8

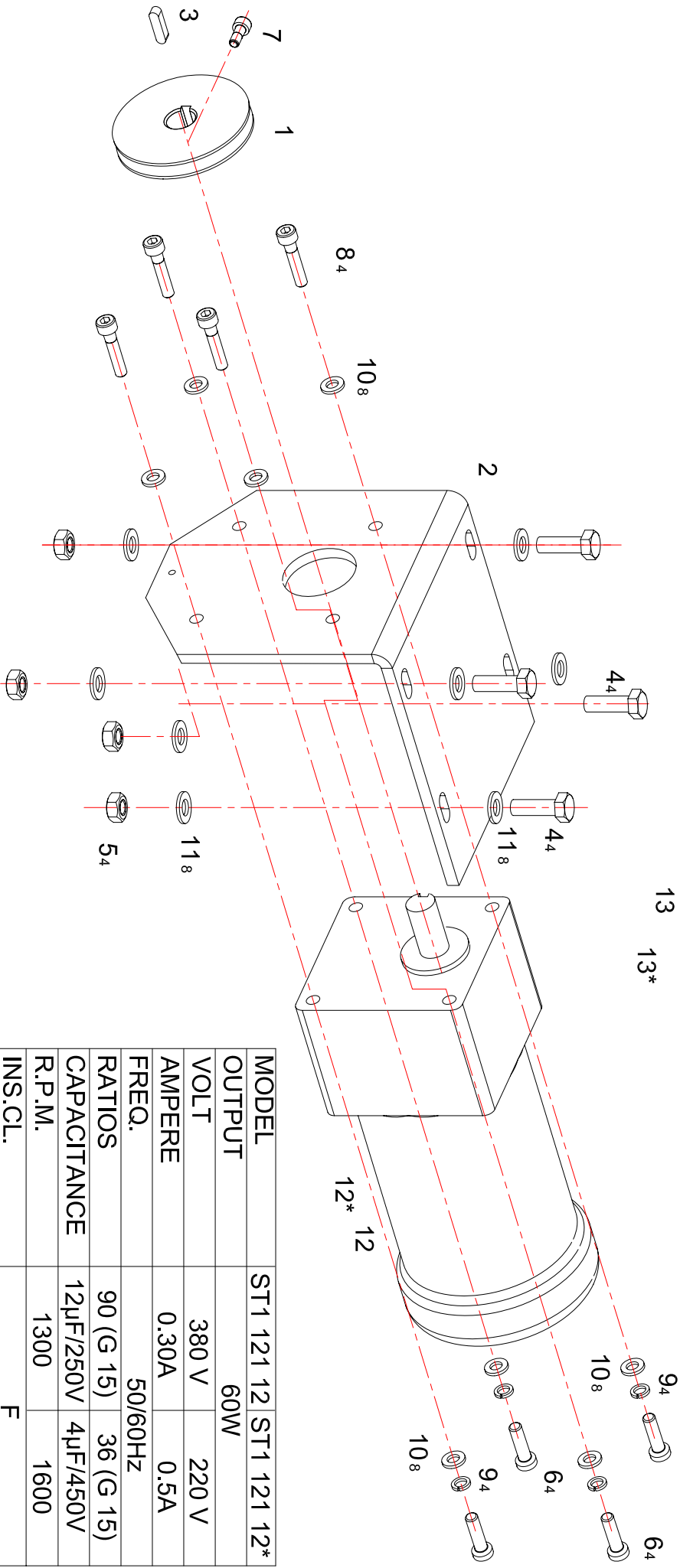


ITEM	PART NO.	DESCRIPTION
1	ST1 120 01	ARC BAFFLE
2	ST1 065 04	HEX HEAD SCREW M6X16
3	ST1 076 03	FLAT WASHER Ø6
4	ST1 067 03	LOCK NUT M6
5	ST1 122 01	STRENTHEN PANEL
6	ST1 062 02	FLAT SOCKET CAP SCREW M6X16
7	ST1 075 03	SPRING WASHER Ø6



GEAR BOX ASSEMBLY ST1 121 00A (00A*)

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	ST1 121 01A	BELT PULLEY	9	ST1 075 03	SPRING WASHER Ø6
2	ST1 121 02A	MOTOR SUPPORT	10	ST1 076 03	FLAT WASHER Ø6
3	ST1 060 02	KEY 25X5X5	11	ST1 076 04	FLAT WASHER Ø8
4	ST1 065 10	HEX HEAD SCREW M8X25	12	ST1 121 12	MOTO & GEAR BOX (380V 50Hz)
5	ST1 067 04	LOCK NUT M8	12*	ST1 121 12*	MOTO & GEAR BOX (220V 60Hz)
6	ST1 071 10	UNIVERSAL SCREW M6X30	13	ST1 121 00A	GEAR BOX ASSEMBLY (380V 50Hz)
7	ST1 069 03	SOCKET CAP SCREW M5X16	13*	ST1 121 00A*	GEAR BOX ASSEMBLY (220V 60Hz)
8	ST1 069 12	SOCKET CAP SCREW M6X30			



MODEL	ST1 121 12	ST1 121 12*
OUTPUT	60W	
VOLT	380 V	220 V
AMPERE	0.30A	0.5A
FREQ.	50/60Hz	
RATIOS	90 (G 15)	36 (G 15)
CAPACITANCE	12µF/250V	4µF/450V
R.P.M.	1300	1600
INS.CL.	F	
PHASE	3	

SWITCH ACCELERATOR SA-1 AND SA-1*

DESCRIPTION	CODE	PAGE
CAM FOLLOWER CF10 KZ	ST1 005 40	4
X WASHER	ST1 007 22	16-17-19
FLANGE BUSHING	ST1 009 14	18
RUBBER BUMPER	ST1 009 27	19
ROD END BEARING BNF-10	ST1 017 43	4
FLANGE BUSHING	ST1 019 25	13-20
BUSHING	ST1 049 02	8
TENSION WHEEL	ST1 049 03	8-10
SPRING	ST1 055 02	4
KEY 25X5X5	ST1 060 02	22
KEY 20x5x5	ST1 060 10	9
KEY 28x5x5	ST1 060 11	6
GREASE FITTING M6	ST1 061 03	6
FLAT SOCKET CAP SCREW M6X12	ST1 062 01	19
FLAT SOCKET CAP SCREW M6X16	ST1 062 02	2-14--17-18-21
FLAT SOCKET CAP SCREW M6X20	ST1 062 03	17
FLAT SOCKET CAP SCREW M8X20	ST1 062 06	6-8-12
FLAT SOCKET CAP SCREW M8X25	ST1 062 07	2-16
FLAT SOCKET CAP SCREW M5X16	ST1 062 13	16
FLAT SOCKET CAP SCREW M5X8	ST1 062 14	19
FLAT SOCKET CAP SCREW M6X35	ST1 062 15	10
BEARING 80202	ST1 063 06	8-10
BEARING 80307	ST1 063 14	7
BEARING UC 203	ST1 063 15	6
HEX CAP SCREW M8X60	ST1 064 14	4
HEX CAP SCREW M8X70	ST1 064 16	7
HEX CAP SCREW M10X50	ST1 064 22	2
HEX HEAD SCREW M8X140	ST1 064 31	4
HEX HEAD SCREW M10X240	ST1 064 32	4

SWITCH ACCELERATOR SA-1 AND SA-1*

HEX HEAD SCREW M10X80	ST1 064 33	13
HEX CAP SCREW M6X16	ST1 065 04	2-18-21
HEX CAP SCREW M6X20	ST1 065 05	4-12-15-17
HEX CAP SCREW M8X20	ST1 065 09	2-4-10-11
HEX CAP SCREW M8X25	ST1 065 10	22
HEX CAP SCREW M10X20	ST1 065 13	2-6
HEX CAP SCREW M10X25	ST1 065 14	4
HEX CAP SCREW M10X40	ST1 065 16	4
NUT M6	ST1 066 04	15-19
NUT M8	ST1 066 06	7-14-15
NUT M10	ST1 066 07	2-4-17-19
NUT M12	ST1 066 09	4-7
NUT M16	ST1 066 12	20
NUT M20	ST1 066 13	7
NUT M30X1,5	ST1 066 14	7
LOCK NUT M5	ST1 067 02	16
LOCK NUT M6	ST1 067 03	4-10-13-14-15-17-18-20-21
LOCK NUT M8	ST1 067 04	2-4-6-7-8-10-16-22
LOCK NUT M10	ST1 067 05	4-8-10-13
SOCKET HEAD CAP SCREW M5X10	ST1 069 01	18
SOCKET HEAD CAP SCREW M5X16	ST1 069 03	20-22
SOCKET HEAD CAP SCREW M5X20	ST1 069 04	14
SOCKET SET SCREW M5X25	ST1 069 11	14
SOCKET CAP SCREW M6X30	ST1 069 12	22
SOCKET HEAD CAP SCREW M6X12	ST1 070 02	6
SOCKET HEAD CAP SCREW M8X10	ST1 070 08	6
SOCKET SET SCREW M5X16	ST1 070 12	9
SOCKET SET SCREW M5X5	ST1 070 13	6
UNIVERSAL SCREW M6X30	ST1 071 10	22
RIVET M4X16	ST1 072 05	2
ROLL PIN Ø6X20	ST1 073 13	4

SWITCH ACCELERATOR SA-1 AND SA-1*

ROLL PIN Ø5X50	ST1 073 14	11
PIN 3,2X25	ST1 073 16	13
RAITAINING RING Ø12	ST1 074 03	4
RAITAINING RING Ø35	ST1 074 06	8-10
RAITAINING RING Ø8	ST1 074 11	4
INTERNAL RING Ø80	ST1 074 13	7
EXTERNAL RING Ø14	ST1 074 15	10
EXTERNAL RING Ø45	ST1 074 16	7
SPRING WASHER Ø4	ST1 075 01	2
SPRING WASHER Ø5	ST1 075 02	14-20
SPRING WASHER Ø6	ST1 075 03	2-12-14-17-21-22
SPRING WASHER Ø8	ST1 075 04	6-8-11-14
SPRING WASHER Ø10	ST1 075 05	2-6-8
WASHER Ø30	ST1 075 09	7
FLAT WASHER Ø4	ST1 076 01	2
FLAT WASHER Ø5	ST1 076 02	16-20
FLAT WASHER Ø6	ST1 076 03	2-4-10-12-13-14-15-16-17-18-21-22
FLAT WASHER Ø8	ST1 076 04	2-4-6-7-8-10-11-14-16-20-22
FLAT WASHER Ø10	ST1 076 06	2-4-6-8-10-13-19
FLAT WASHER Ø12	ST1 076 07	4-7
FLAT WASHER Ø16	ST1 076 08	13
"V" BELT Z49"	ST1 080 02	2
"V" BELT A50"	ST1 080 03	2
SCREW M4X12	ST1 080 22	2
SWITCH ACCELERATOR SA-1 (380V 50Hz)	ST1 100 00A	2
SWITCH ACCELERATOR SA-1* (220V 60Hz)	ST1 100 00A*	2
BRACKET WELDMENT	ST1 101 01A	2-20
BALL SUPPORT A	ST1 101 02	2
BALL SUPPORT B	ST1 101 03	2
LEVER SUPPORT	ST1 101 10	2
CAP ASSEMBLY	ST1 101 17	2

SWITCH ACCELERATOR SA-1 AND SA-1*

SAFEGUARD WELDMENT	ST1 101 21	2
ACTIVE CAP	ST1 101 35	2
FIXED CAP	ST1 101 36	2
REAR PLATE	ST1 101 37	2
PLUG MOTOR	ST1 101 38	2
HANDLE	ST1 101 39	2
BRACKET	ST1 101 40	2
BUMPER ASSEMBLY	ST1 101 41	2
GEMEL 2"	ST1 101 46	2
BALL SENSOR ASSEMBLY	ST1 103 00A	2-4
ROD	ST1 103 01A	4
RUDDER DRIVE WELDMENT	ST1 103 02	4
SHAFT RUDDER	ST1 103 03	4
SPECIAL WASHER Ø19	ST1 103 04	4
RUDDER ARM SUPPORT	ST1 103 05A	4
RUDDER ARM SUPPORT	ST1 103 06	4
SPECIAL WASHER Ø9	ST1 103 07	4
TRIP ARM	ST1 103 08	4
STRENGHTEN PANEL	ST1 103 09	4
CAM SENSOR ASSEMBLY	ST1 103 10	4
ROLLER	ST1 103 11	4
FLANGE BEARING	ST1 103 12	4
SPRING	ST1 103 13	4
TAB II	ST1 103 14	4
TRIP ARM ASSEMBLY	ST1 103 15	4
CAM	ST1 103 16	4
RUDDER CAM ASSEMBLY L.H.	ST1 103 17	4
RUDDER CAM ASSEMBLY R.H.	ST1 103 18	4
WASHER PLAIN Ø11	ST1 103 19	4
TRIP FINGER	ST1 103 20	4
SPRING	ST1 103 21	4

SWITCH ACCELERATOR SA-1 AND SA-1*

SLEEVE	ST1 103 22	4
FLANGE BEARING	ST1 103 24	4
SPECIAL WASHER Ø13	ST1 103 25	4
RUDDER ARM	ST1 103 26	4
CAM WELDMENT	ST1 103 27	4
LINK WELDMENT	ST1 103 28	4
WASHER SPACER Ø13	ST1 103 29	4
SPECIAL KEY 40X8X7	ST1 103 30	4
PADDLE	ST1 103 31	4
ROLLER II	ST1 103 32	4
UNIBALL BEARING WASHER Ø10	ST1 103 34	4
CLAMP STUD	ST1 103 35	4
FLANGE BEARING	ST1 103 36	4
PADDLE ASSEMBLY	ST1 105 00A	2-6
CRANK ADJUSTMENT PLATE	ST1 105 01A	6
CRANK SHAFT WELDMENT	ST1 105 02A	6
FIXED RING	ST1 105 03A	6
PULLEY	ST1 105 04A	6
BRACKET WELDMENT	ST1 105 05A	6
BRACKET WITH BEARING UC 203	ST1 105 06A	6
ACCELERATOR ASSEMBLY	ST1 106 00	2-7
ACCELERATION DRIVER	ST1 106 01	7
SHAFT	ST1 106 02	7
SHAFT SLEEVE	ST1 106 03	7
ARM	ST1 106 04	7
BEARING SLEEVE	ST1 106 05	7
WHEEL SUPPORT ASSEMBLY	ST1 106 06	7
SHAFT	ST1 106 07	7
ACCELARATION DRIVEN WHEEL	ST1 106 08	7
SHAFT SLEEVE	ST1 106 09	7
SHAFT SLEEVE	ST1 106 10	7

SWITCH ACCELERATOR SA-1 AND SA-1*

SHAFT SLEEVE	ST1 106 11	7
SPECIAL SCREW M30X140	ST1 106 12	7
SPRING	ST1 106 13	7
BELT GUIDE	ST1 106 14	7
RUBBER BLOCK	ST1 106 15	7
DOUBLE TENSIONER ASSEMBLY	ST1 107 00A	2-8
BELT TIGHTENER ARM	ST1 107 01A	8
TENSION WHEEL	ST1 107 02	8
HOUSING	ST1 107 04	8
WASHER Ø10	ST1 107 05	8
FLANGE BEARING	ST1 107 06	8
SPRING	ST1 107 08	8
MOTOR ASSEMBLY (380V 50Hz)	ST1 108 00	2-9
MOTOR ASSEMBLY (220V 60Hz)	ST1 108 00*	2-9
MOTOR (380V 50Hz)	ST1 108 02	9
MOTOR (220V 60Hz)	ST1 108 02*	9
BELT PULLEY	ST1 108 05	9
TENSIONER II	ST1 109 00A	2-10
SHAFT	ST1 109 02A	10
BRONZE BUSH	ST1 109 03	10
BELT TIGHTENER ARM	ST1 109 04A	10
SPRING	ST1 109 05	10
SPRING HOOK	ST1 109 06	10
BOLT ASSEMBLY	ST1 110 00	2-11
BOLT ASSEMBLY II	ST1 110 01	2-11
BOLT BRACKET WELDMENT I	ST1 110 02	11
SPECIAL BOLT	ST1 110 03	11
SPRING	ST1 110 04	11
BOLT BRACKET WELDMENT II	ST1 110 06	11
TRACK RAIL ASSEMBLY	ST1 111 00	2-12
TRACK COVER	ST1 111 01	12

SWITCH ACCELERATOR SA-1 AND SA-1*

TRACK RAIL WELDMENT	ST1 111 02	12
TRACK RAIL SUPPORT	ST1 111 03	12
SPECIAL WASHER Ø7X4	ST1 111 04	12
SPECIAL WASHER Ø7X5	ST1 111 05	12
ROLLER ASSEMBLY	ST1 112 00	2-13
IDLER PULLEY ARM	ST1 112 02	13
SHAFT	ST1 112 03	13
SHAFT	ST1 112 04	13-20
SPECIAL NUT M10	ST1 112 05	13
SPRING	ST1 112 06	13
ROLLER	ST1 112 07	13-20
BALL SUPPORT BAFFLE ASSEMBLY	ST1 113 00	2-14
BRACKET	ST1 113 01	14
SHAFT SLEEVE	ST1 113 02	14
SHAFT	ST1 113 03	14
CAP	ST1 113 04	14
STOP BUMPER	ST1 113 10	14
SPRING BRACKET ASSEMBLY	ST1 114 00	14-15
SPRING HOOK SUPPORT	ST1 114 01	15
ADJUSTMENT WELDMENT	ST1 114 02	15
BLOCK	ST1 114 03	15-19
SPRING	ST1 114 04	15
SPECIAL SCREW M8	ST1 114 05	15
CONNECTING PANEL	ST1 114 06	15
LOCK ASSEMBLY	ST1 115 00	14-16
LOCK WELDMENT	ST1 115 01	16
LOCK WELDMENT SUPPORT	ST1 115 02	16
SPRING	ST1 115 03	16
SPRING HOOK	ST1 115 04	16
SHAFT	ST1 115 05	16
SHAFT	ST1 115 06	16

SWITCH ACCELERATOR SA-1 AND SA-1*

SPECIAL WASHER Ø6	ST1 115 07	16
LIMITED PANEL	ST1 115 08	16
SWITCH ASSEMBLY I	ST1 116 00	14-17
TRACK COVER SUPPORT	ST1 116 01	17
CONNECTING LEVER	ST1 116 02	17
SPECIAL WASHER Ø6	ST1 116 03	17-19
SHAFT	ST1 116 04	17
SPRING	ST1 116 05	17
SPECIAL ROLL PIN	ST1 116 06	17
BLOCK SUPPORT WELDMENT	ST1 116 07	17
BUMPER BLOCK	ST1 116 08	17-19
SUPPORT WELDMENT I	ST1 116 09	17
SUPPORT WELDMENT II	ST1 116 10	17
LOWER PANEL	ST1 116 11	17
BALL SUPPORT PANEL ASSEMBLY	ST1 117 00	14-18
SPRING HOOK	ST1 117 02	18
BALL HOLDER WELDMENT	ST1 117 03	18
BAFFLE COVER	ST1 117 04	18
BAFFLE	ST1 117 05	18
LIMITED PANEL	ST1 117 06	18
SWITCH ASSEMBLY II	ST1 118 00	14-19
DIRECTION PANEL	ST1 118 05	19
ROD	ST1 118 06	19
ROD	ST1 118 07	19
SPRING	ST1 118 08	19
TRIANGLE PANEL	ST1 118 09	19
SHAFT	ST1 118 10	19
SPECIAL WASHER Ø11	ST1 118 11	19
ROD	ST1 118 12	19
SHAFT	ST1 118 13	19
ACTIVE ROLLER ASSEMBLY	ST1 119 00	2-20

SWITCH ACCELERATOR SA-1 AND SA-1*

ROLLER ADJUSTMENT WELDMENT	ST1 119 05	20
ACTIVE ROLLER ARM	ST1 119 06	20
ARC BAFFLE ASSEMBLY	ST1 120 00	2-21
ARC BAFFLE	ST1 120 01	21
GEAR BOX ASSEMBLY (380V 50Hz)	ST1 121 00A	2-22
GEAR BOX ASSEMBLY (220V 60Hz)	ST1 121 00A*	2-22
BELT PULLEY	ST1 121 01A	22
MOTOR SUPPORT	ST1 121 02A	22
GEAR BOX (380V 50Hz)	ST1 121 12	22
GEAR BOX (220V 60Hz)	ST1 121 12*	22
STRENGTHEN PANEL ASSEMBLY	ST1 122 00	2-21
STRENGTHEN PANEL	ST1 122 01	21