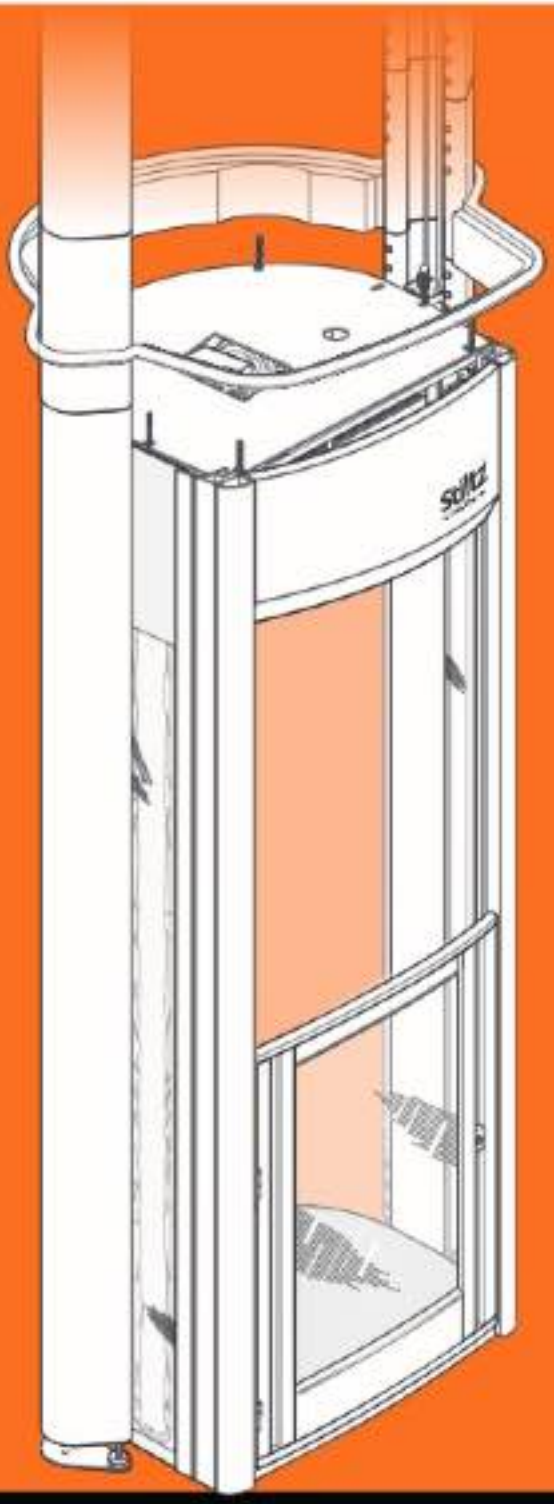
Stiltz™ Homelifts



INSTALLATION GUIDELINES

Duo+ DuoAlta

Health and Safety:

All installation and maintenance work must be carried out by an Authorized Stiltz Dealer or service technician.

If you have any questions not covered in this document, then please contact your Authorised Stiltz Dealer or contact Stiltz directly. Our contact information is outlined at the end of these guidelines.

The following health and safety risks should be considered when installing and maintaining a Stiltz homelift.

Manual Handling



Prevent back injury.
Bend knees to lift.

Falling Hazards



Work at a safe distance.
Use barricades.

Falling Object Risk



Workers overhead.
Watch out for falling objects.

Trip Hazard



Watch your step.

Electrical Hazard



Risk of direct or indirect electrical contact.

Pinch Point



Keep hands clear of moving parts which can cause crushing injury.

It is highly recommended that each installer utilises the following personal protective equipment where required.

Eye Protection



Ear Protection



Hand Protection



Foot Protection



Disclaimer:

Please note that;

(a) This document is designed to be used as a guide only. You should seek independent engineering or construction advice to determine that the desired and/or proposed alterations to a home are suitable to the specific existing structure.

(b) All building/construction work must be carried out by a licensed contractor where required by code or law.

Installation Guidelines

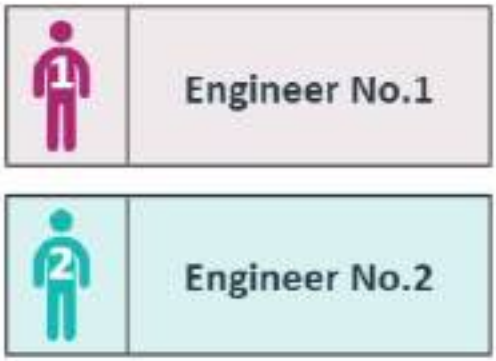


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SECTION 1: Tools

Supplied in Install Kit (sold separately)

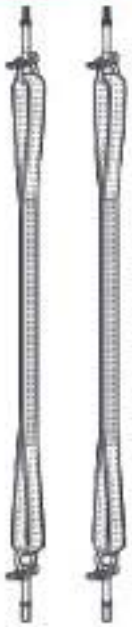
50104-00038
Remote Pendant



10602-00035
Safety Pan Bridge Lead



55102-00058
Installation Sling Set



30107-00003
Open End Spanner 36mm

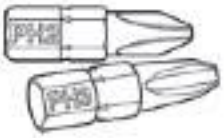


30113-00048
T Type Allen Key 4mm



Shipped in the cab crate

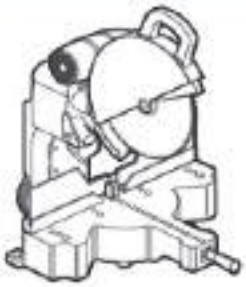
Tools required

Loctite	Adjustable Wrench	Spirit Level	Pop Rivet Gun
			
Cross Screwdriver	**Flat Screwdriver**	**Socket Wrench + Sockets**	**Socket Wrench Extension**
			
Nut Drivers	**Spanners**	**Pliers**	**Stanley Knife**
			
Scissors	**Spray Lubricant**	**Electrical Multi Meter**	**De-Burr Tool**
			
Steps	**PH2 + PH3 Bits**	**Angle Grinder**	**Stud Finder**
			

Section 1: Tools

Laser Line	Long Nose Pliers	Rivet Nut Gun	Tape Measure
			

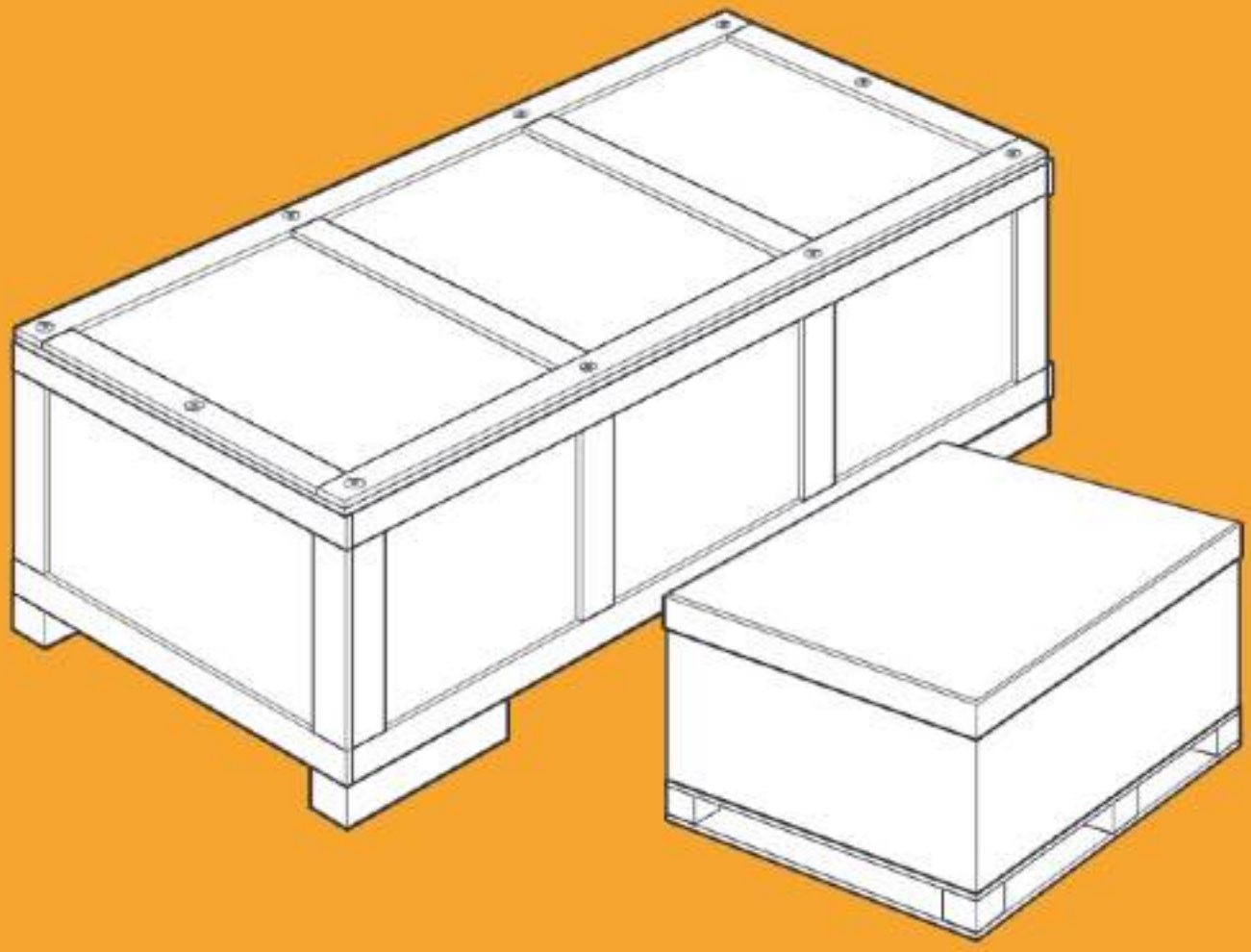
Power Drill	Drill Bits	Countersink Bit	6 ' Ladder
			

Mole Grips	Marker Pen	Chop Saw	Allen Keys (Metric)
x2 			

Brush and Dustpan	Vacuum Cleaner
	

Stiltz™ Homelifts

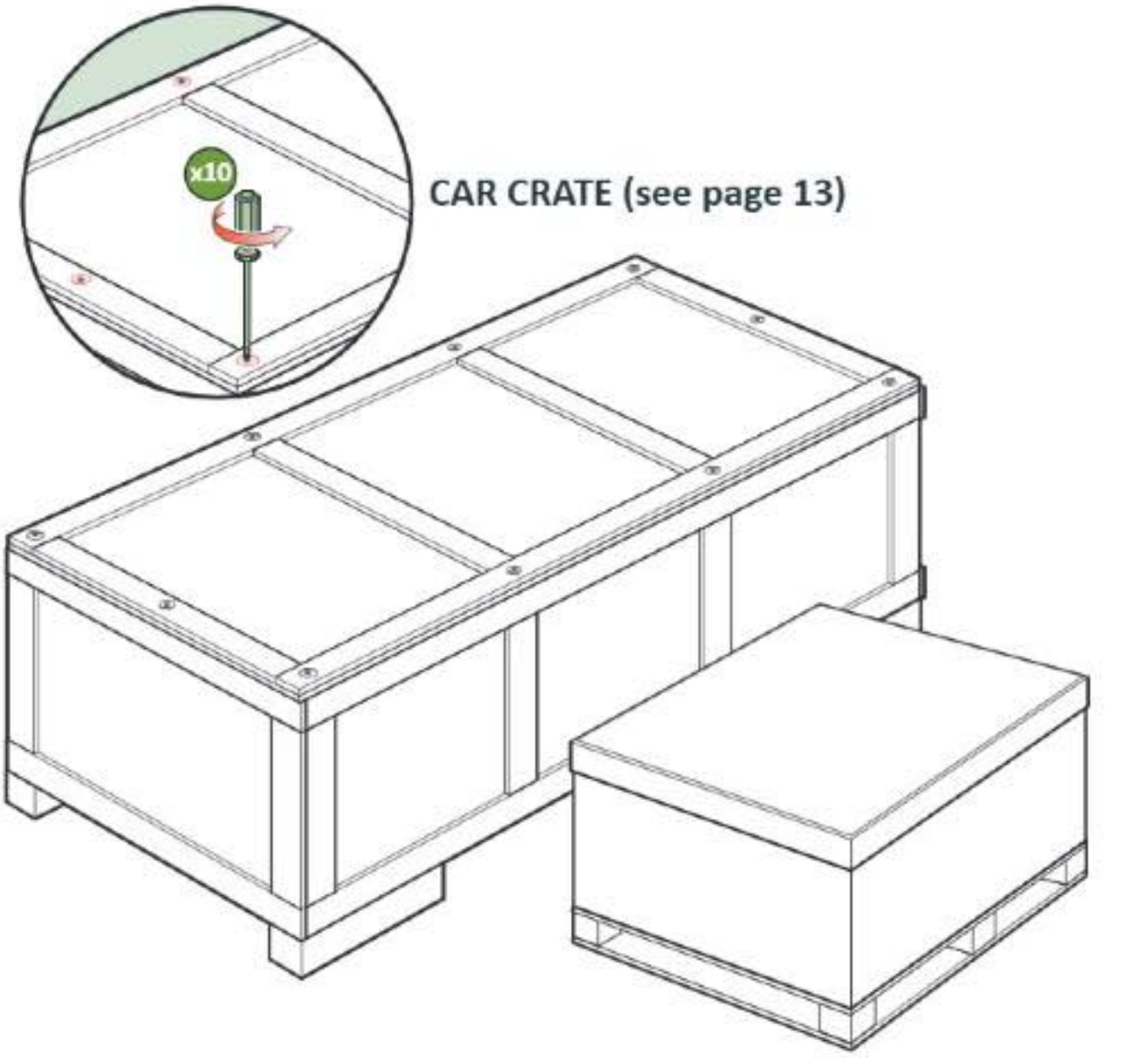
SECTION 2
Unboxing and Parts



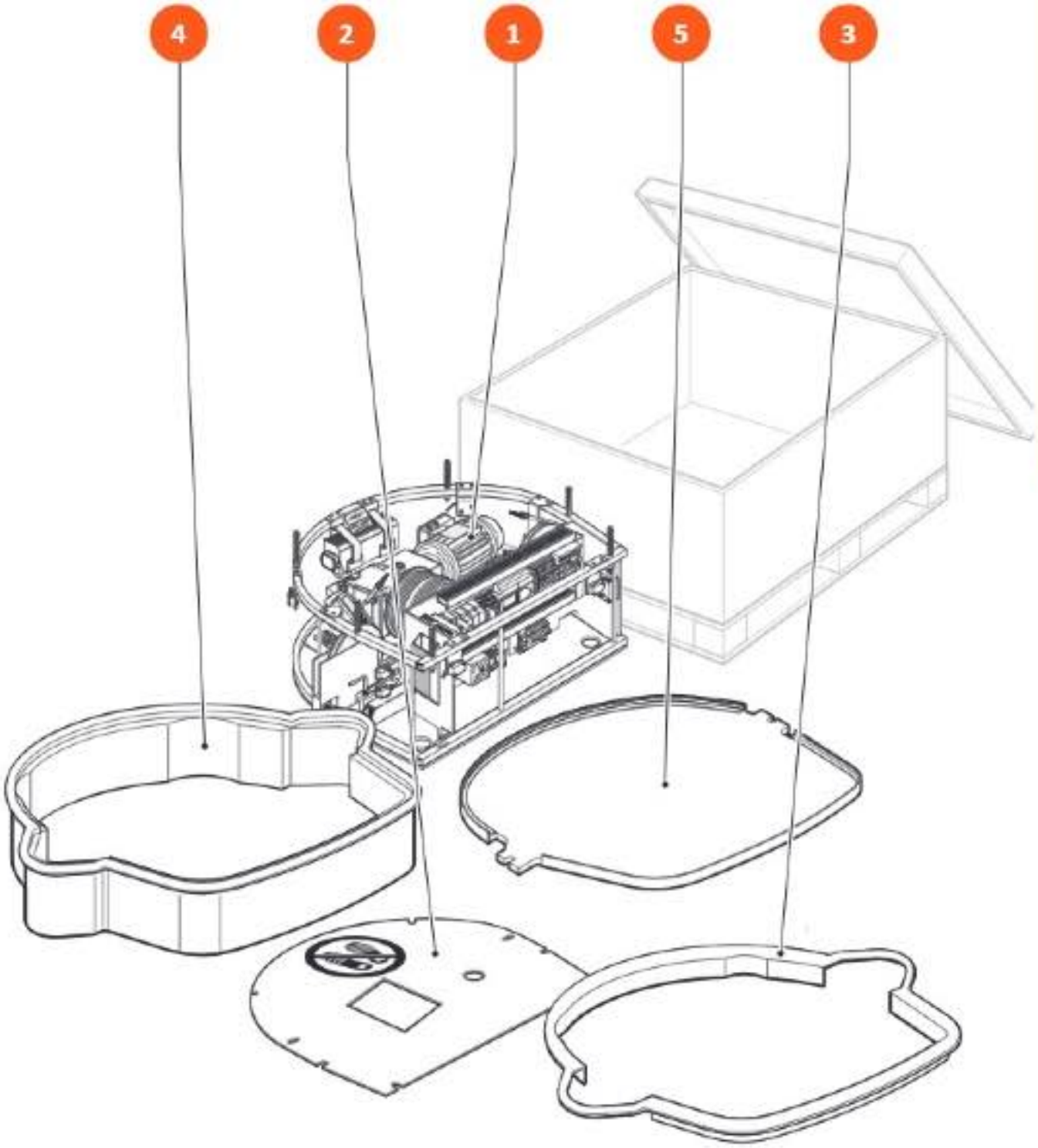
INSTALLATION GUIDELINES

Section 2: Unboxing and Parts

FULL STILTZ SHIPMENT (2 CRATES)



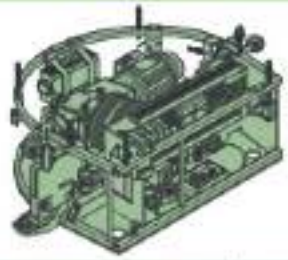
HOIST CRATE



Section 2: Unboxing and Parts

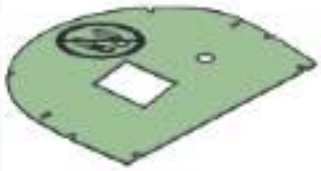
HOIST CRATE

1 LD Lift Hoist



x1	P/N: LDU-1A0BN3N-001	USA	
	P/N: LDU-1A0BN3N-002	ROW	
	P/N: LDU-1A0BN3N-003	GER	
	P/N: LDE -1A0BN3M-001	ROW	EN81
	P/N: LDE-1A0BN3M-002	GER	EN81
	P/N: LDU-1A0BN3M-002	USA	ASME

2 LD Motor Cover Plate



x1	P/N: 50102-00133

Insert Assembly & LD Shaft Lid

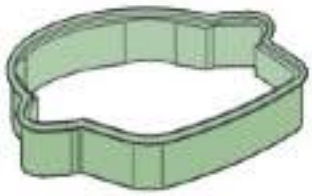
P/N: 53102-00343 STD
P/N: 53102-00346 EN81
P/N: 53102-00344 ASME

3 LD Floor Insert Flange



x1	P/N: 35108-00020

4 LD Floor Insert



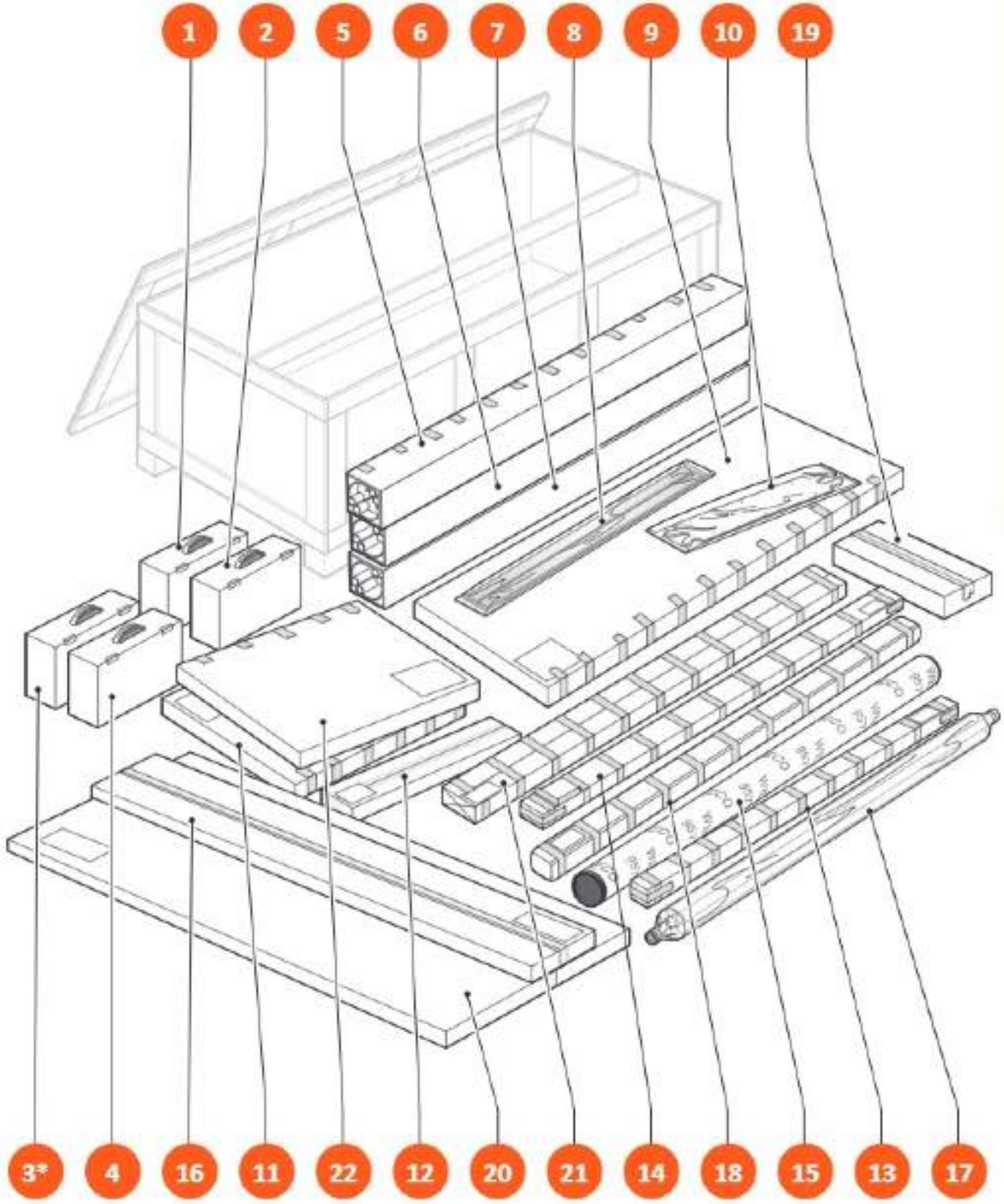
x1	P/N: 35108-00019

5 LD Shaft Lid



x1	P/N: 53102-00119	STD
	P/N: 53102-00249	EN81
	P/N: 53102-00182	ASME

CAR CRATE



*Now packed in holst crate

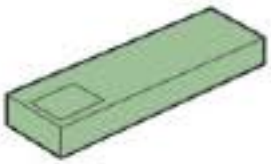
Where parts are outlined with black border this denotes they are packed together.

Section 2: Unboxing and Parts



LD Door Lock Box

P/N: 53102-00351

LD Door Lock	Electric Strike Door Lock	Lock Extension Lip	Door Lock Fixing Screws
			
x1 P/N: 53104-00048	x1 P/N: 10451-00002	x1 P/N: 25102-00087	x2 P/N53102-00110

Silencer Rubber Buffer	Door Lock Cable
	
x1 P/N: 20108-00012	x1 P/N: 53104-00031

LD Door Accessory Kit

P/N: 53102-00102

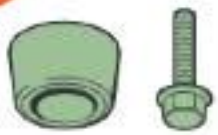
Hinges Right Handed	Hinges Left Handed	Hinge Fixing Screws	3mm Hinge Shims
x2 	x2 		
x1 P/N: 30113-00188	x1 P/N: 30113-00187	x15 P/N: 30101-80119	x4 P/N: 35112-00089

5mm Hinge Shims	1mm Hinge Shims	0.5mm Hinge Shims
		
x2 P/N: 35112-00090	x4 P/N: 35112-00091	x4 P/N: 35112-00092

1 LD Car Frame Box

P/N: 53102-00367

Cat5 Cable Blue 3m	Cat5 Cable Green 2m	Cat5 Cable Yellow 2m	Car Foot LED Cable Assy
			x2 
x1 P/N: 10602-00001	x1 P/N: 10602-00026	x1 P/N: 10602-00003	x1 P/N: 53104-00019

Release Key	Lift Rubber Foot
	x4 
x1 P/N: 30113-00203	x1 P/N: 53102-00135

Car Minor Parts

P/N: 53102-00177

Internal Corner Mitre Screws	Side Channel Cap Screws	Electrical Cover Pins	LD Hoist Screws
x5 	x4 	x4 	x4  x4  x4 
x2 P/N: 53102-00111	x2 P/N: 53102-00108	x1 P/N: 53102-00107	x1 P/N: 50102-00104

LD Floor Light Assy	Front Stile Cap Screws	LD Safety Pan Fastener
x2 	x2 	x4 
x1 P/N: 53104-00026	x2 P/N: 53102-00109	x1 P/N: 53102-00106

Section 2: Unboxing and Parts

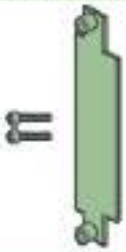


LD Car Box 2

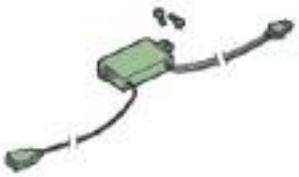
P/N: 53102-00099 ROW
P/N: 53102-00587 USA
P/N: 53102-00458 GER

Universal COP Assembly		
		
x1	P/N 53104-00089	ROW
	P/N 53104-00089	USA
	P/N 53104-00047	GER

LD Phone Case N106	
	
x1	P/N: 53102-00093

LD Door Lock Blanking Plate	
	
x1	P/N: 53102-00105

Phone Charging Cable	
	
x1	P/N: 53104-00018

USB Phone Charger	
	
x1	P/N: 53104-00025

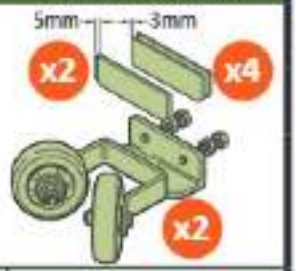
Bottom Guide Rollers	
x2 	
x1	P/N: 53102-00117

Philips 1517A Phone	
	
x1	P/N: 10461-00006

3 LD Hoist Parts Box

P/N 50102-00152	ROW	STD
P/N 50102-00170	ROW	EN81
P/N 50102-00044	USA	STD
P/N 50102-00081	USA	ASME
P/N 50102-00167	GER	STD
P/N 50102-00171	GER	EN81

Guide Roller Assembly



x1	P/N: 53102-00020

Motor Cover Screws



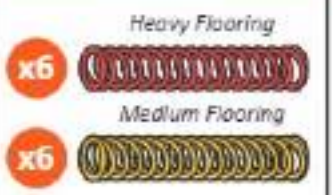
x1	P/N: 50102-00046

Wall Mounted Remote Holder



x1	P/N: 50102-00140

Spring Set



x1	P/N: 50102-00045

Cable Bush Ø16mm



x1	P/N: 10908-00001

Anti Tamper Kit



x1	P/N: 50102-00132

Remote Controller



x1	P/N: 50104-00166	ROW
	P/N: 50104-00167	GER
	P/N: 50104-00062	USA

Shaft Lid Lock Bar Kit



x1	P/N: 53102-00253	ROW	EN81
x1	P/N: 53102-00253	GER	EN81

HZ Door Contact Switch Kit



x1	P/N 53104-00037	USA	ASME
	P/N 50104-00106	GER	EN81
		ROW	

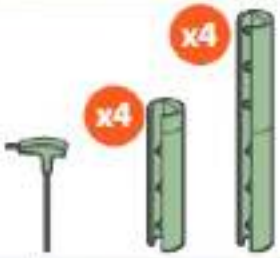
Section 2: Unboxing and Parts

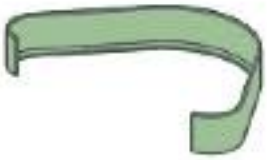


LD Rail Box

P/N: 55102-00021

Gripper Rod Extension (Short)	Gripper Rod End Bracket	Loctite 263 (10ml)	Guide Base Plate Fixings
x2 	x2 		x4 
x1 P/N: 55102-00005	x2 PP/N: 55102-00026	x1 P/N: 55102-00027	x1 P/N: 55102-00028

Spacer Board Screws	Bugle Screws	Hole Plugs	Guide Rail Joining Kit
x6 	x4 	x63 	x4 x4 x4 
x1 P/N: 55102-00029	x1 P/N: 55102-00030	x1 P/N: 55102-00022	x1 P/N: 55102-00024

Guide Base Plates	Magnetic Limit Blades	Guide Rail Base Covers	Gripper Rods Clamping Sleeves
x2 	x2 		x2 
x1 P/N: 55102-00025	x1 P/N: 55102-00018	x2 P/N: 20101-00036	x1 P/N: 55102-00023

5 Guide Top Rails

P/N: 55102-00013

Top Rails		
x2 		
x1	P/N: 55102-00013	

6 + 7 Guide Uni Rails

P/N: 55102-00039 ROW & GER

P/N: 55102-00101 USA

Guide Uni Rails		
x4 ROW & GER x3 USA 		
x1	P/N: 55102-00039	ROW & GER
	P/N: 55102-00101	USA

Section 2: Unboxing and Parts

8 LD Half Door Cover Strips

P/N: 53102-00558

LD Lock Cover Strip 1418	
	
x1	P/N:25104-00046

LD Hinge Cover Strip 1188	
	
x1	P/N: 25104-00041

LD Hinge Cover Strip 242	
	
x1	P/N: 25104-00043

LD Lock Cover Strip 473	
	
x1	P/N: 25104-00045

LD Hinge Cover Strip 475	
	
x1	P/N: 25104-00042

EN81 Hinge Cover Strip 475	
	
x1	25104-40113

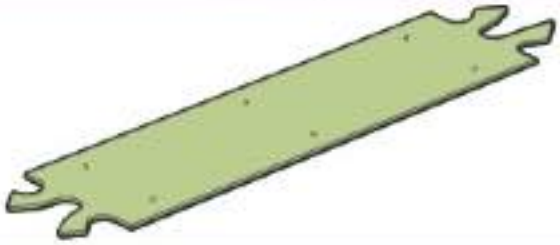
9 LD Half Door

P/N: 53102-00087

Half Door	
	
x1	P/N: 53102-00087

10 LD Top Guide Spacer

P/N: 28103-00003

Top Guide Spacer	
	
x1	P/N: 28103-00003

11 LD Ceiling Panel

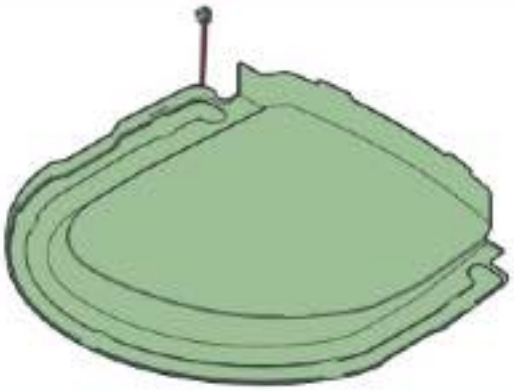
P/N: 53102-00083

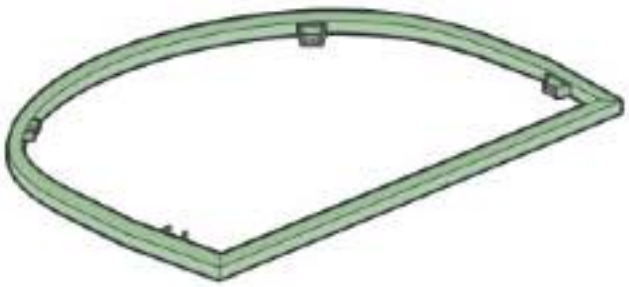
Ceiling Hoop

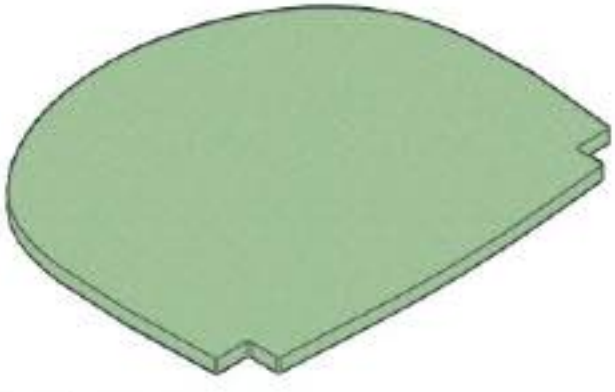
P/N: 53102-00251

Floor

P/N: 53102-00077

Ceiling Panel	
	
x1	P/N: 53102-00083

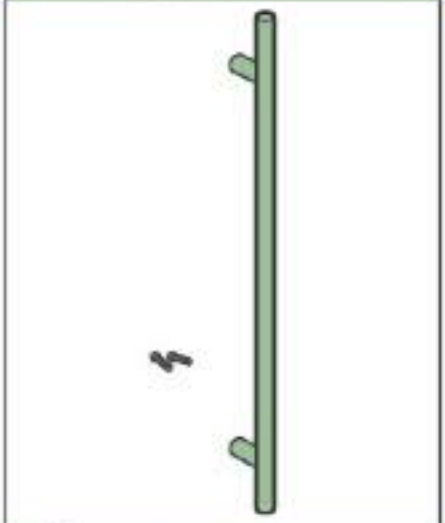
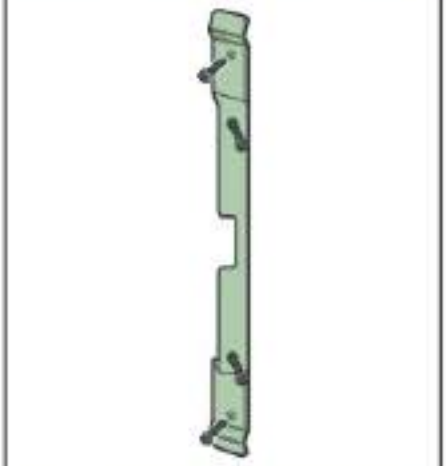
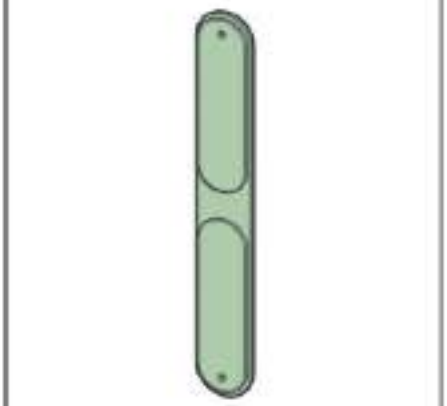
Ceiling Hoop	
	
x1	P/N 53102-00251

Floor	
	
x1	P/N: 53102-00077

Section 2: Unboxing and Parts

12 LD Handrail

P/N: 53102-00086

LD Handrail	LD Handrail Bracket Plate	LD Handrail Base Plate
		
x1 P/N: 35108-40021	x1 P/N: 35112-10082	x1 P/N: 25104-00047

13 LD Internal Mitres

P/N: 25104-00025

P/N: 25104-00026

LD Internal Corner Inner RH

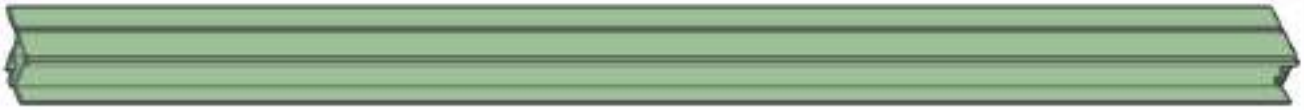
x1 P/N: 25104-00026

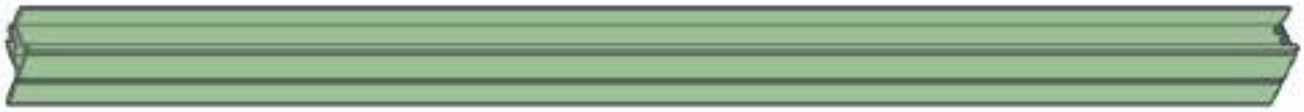
LD Internal Corner Inner LH

x1 P/N: 25104-00025

14 LD Corner Entry Stiles

P/N: 53102-00088
P/N: 53102-00089

LD Door Entry Stile Ext Front RH Rivet Assembly	
	
x1	P/N: 53102-00089

LD Door Entry Stile Ext Front LH Rivet Assembly	
	
x1	P/N: 53102-00088

15 Light Curtains

P/N: 10204-00021

Light Curtains	
x2 	
x1	P/N: 10204-00021

Light Curtain Cables	
	
x2	P/N: 10204-00022

16 Duo Entry Side Panel Front PC

P/N: 53102-00150 (LH), P/N: 53102-00151 (RH)

Duo Entry Side Panel Front LH & RH PC	
	
x2	P/N: 53102-00150 (LH), P/N: 53102-00151 (RH) - 1 off of each

Section 2: Unboxing and Parts

17 Lift Gripper Rods Uni Assembly

P/N: 55102-00020

Lift Gripper Rod Universal 2.35m	
	
x2	P/N: 35111-00205

Lift Gripper Rods Uni with Stud Set	
	
x2	P/N: 55102-00036

18 LD Corner Covers

P/N: 25104-00031 P/N: 25104-00030

P/N: 25104-00032 P/N: 25104-00029

LD Entry Stile Cover Ext Front HD Lock RH	
	
x1	P/N: 25104-00030

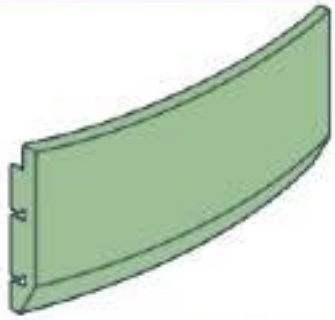
LD Entry Stile Cover Ext Front HD Lock LH	
	
x1	P/N: 25104-00029

LD Entry Stile Cover Ext Front HD Hinge RH	
	
x1	P/N: 25104-00032

LD Entry Stile Cover Ext Front HD Hinge LH	
	
x1	P/N: 25104-00031

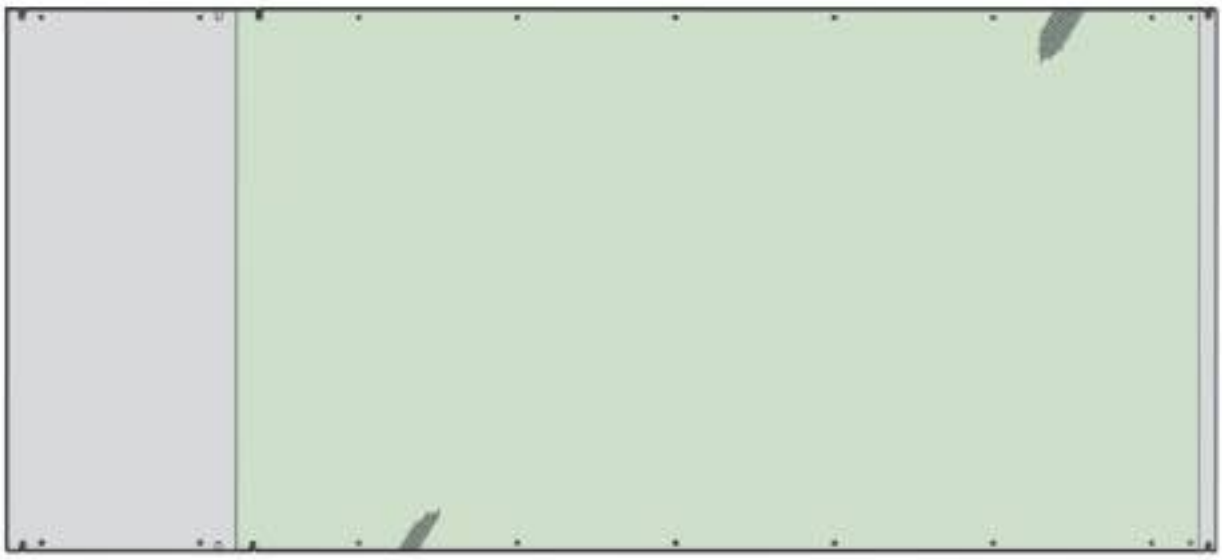
19 LD Electrics Covers

P/N: 53102-00498 GER
P/N 53102-00500 ROW & USA

Electrical Covers		
		
x1	P/N: 53102-00498	GER
	P/N: 53102-00500	ROW & USA

20 LD Car Shell PC

P/N: 20111-00010

LD Car Shell PC	
	
x1	P/N: 20111-00010

Section 2: Unboxing and Parts

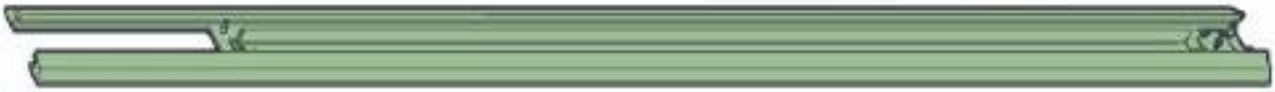


LD Side Channels

P/N: 53102-00084

P/N: 53102-00085

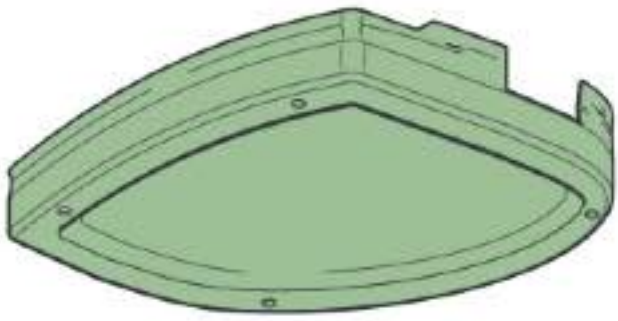
RH Channel Clamping Assembly	
	
x1	P/N: 53102-00085

LH Channel Clamping Assembly	
	
x1	P/N: 53102-00084



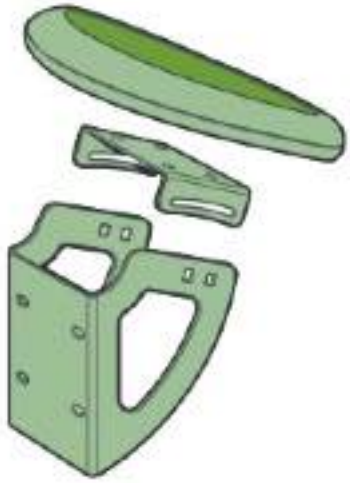
Safety Pan

P/N: 53102-00082

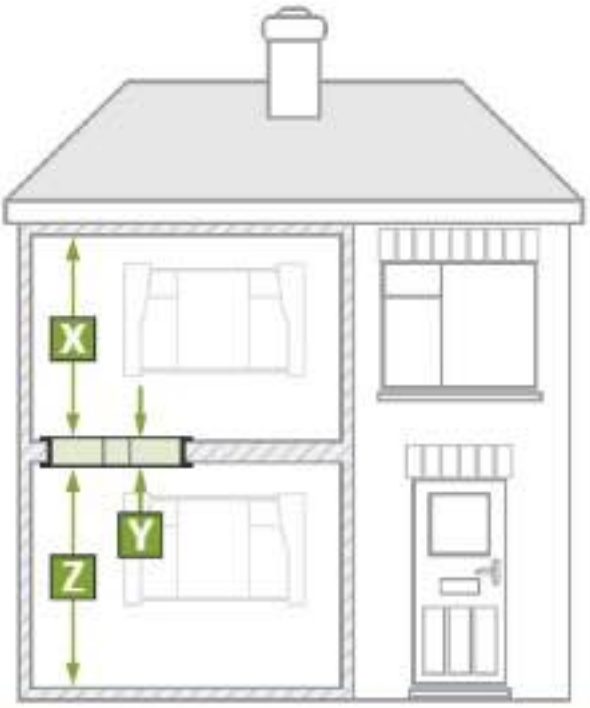
Safety Pan	
	
x1	P/N: 53102-00082

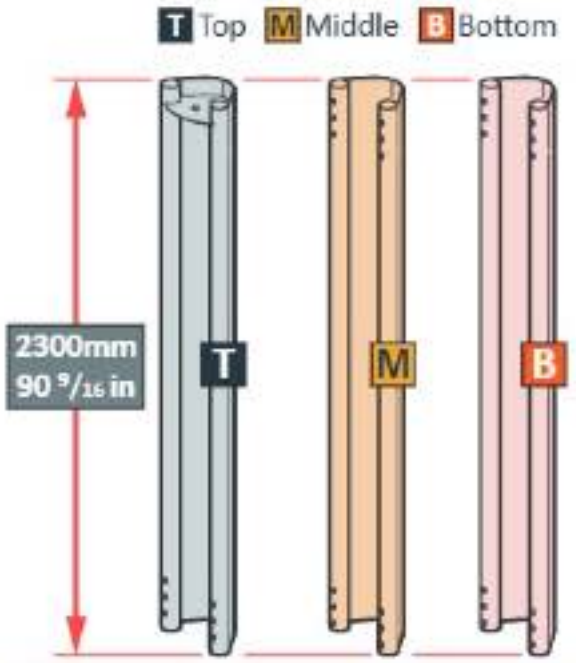
OPTIONAL - LT Seat Assembly

P/N: 53102-00168

LT Seat Vinyl Assembly	LT Seat Fixings	LT Seat Bracket Fixings
		
x1 P/N: 28106-00062	x4 P/N: 53102-00265	x4 P/N: 53102-00266

Initial Measurements - Rail Cut Down



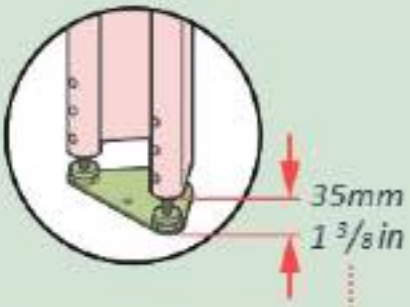


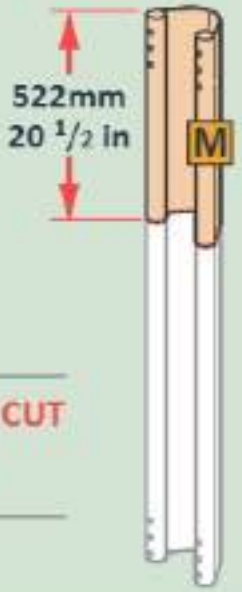
EXAMPLE:

X = 2,388mm (94 in)

Y = 381mm (15 in)

Z = 2,388mm (94 in)





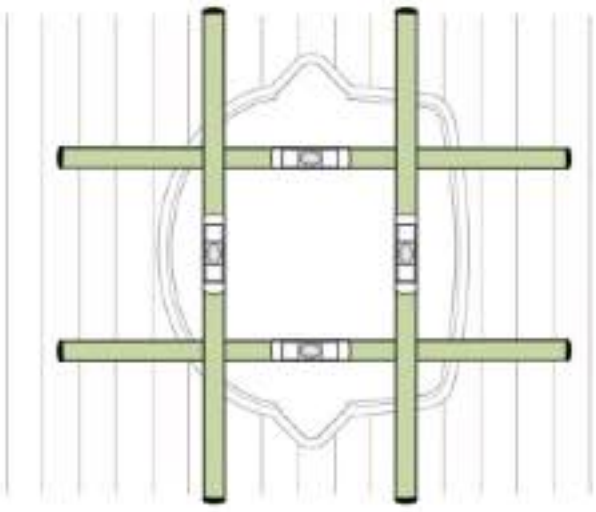
Total Rail Length (TRL) **X** + **Y** + **Z** = 5,157mm (203 in)

TRL 5,157mm - (**T** 2,300mm + **B** 2,300mm) - *35mm* = **CUT**

TRL 203 in - (**T** 90 9/16 in + **B** 90 9/16 in) - *1 3/8 in* = **CUT**

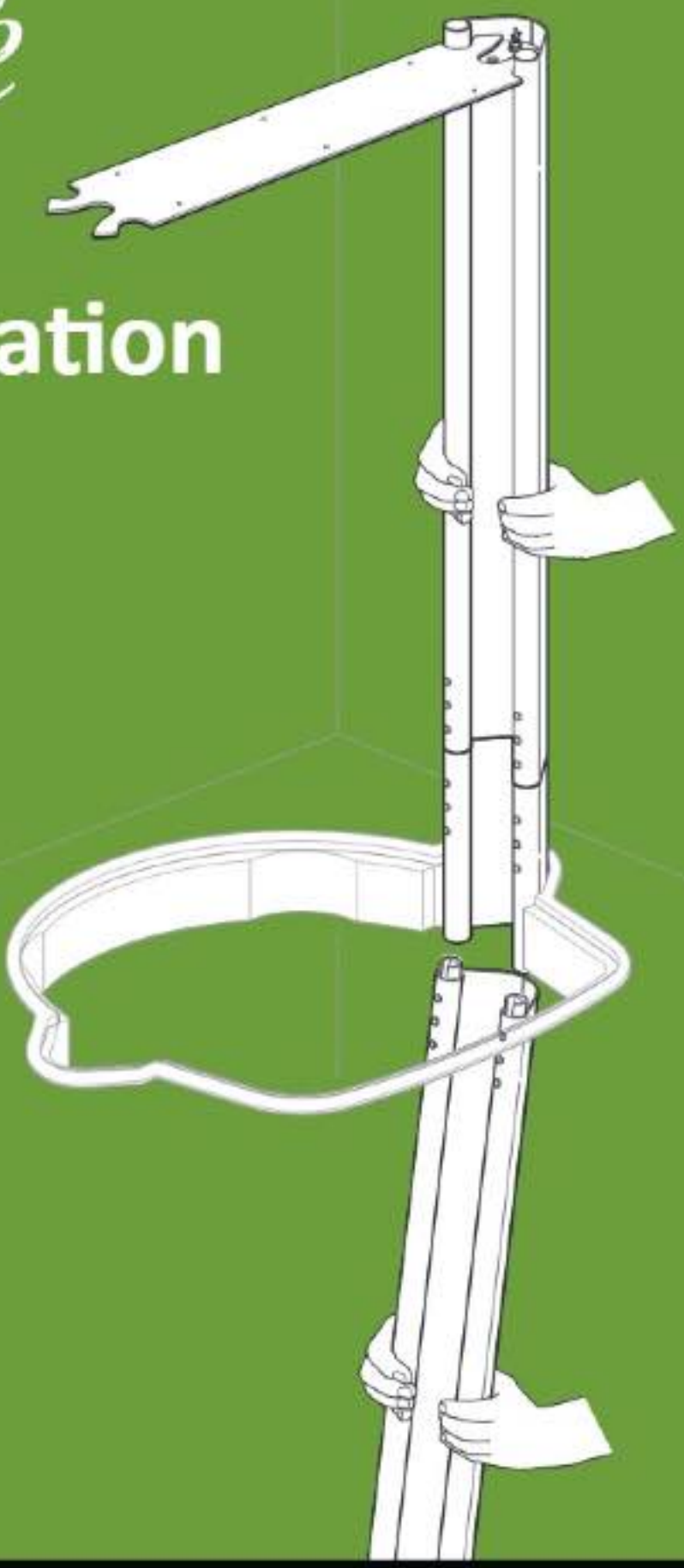
Therefore, the **CUT** **M** = 522mm (20 1/2 in)





Stiltz™ Homelifts

SECTION 3
Rail Preparation



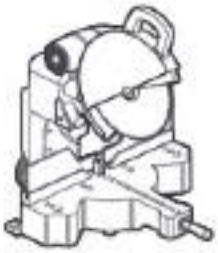
INSTALLATION GUIDELINES

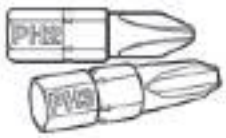
Section 3: Rail Preparation

Supplied in Install Kit (sold separately)

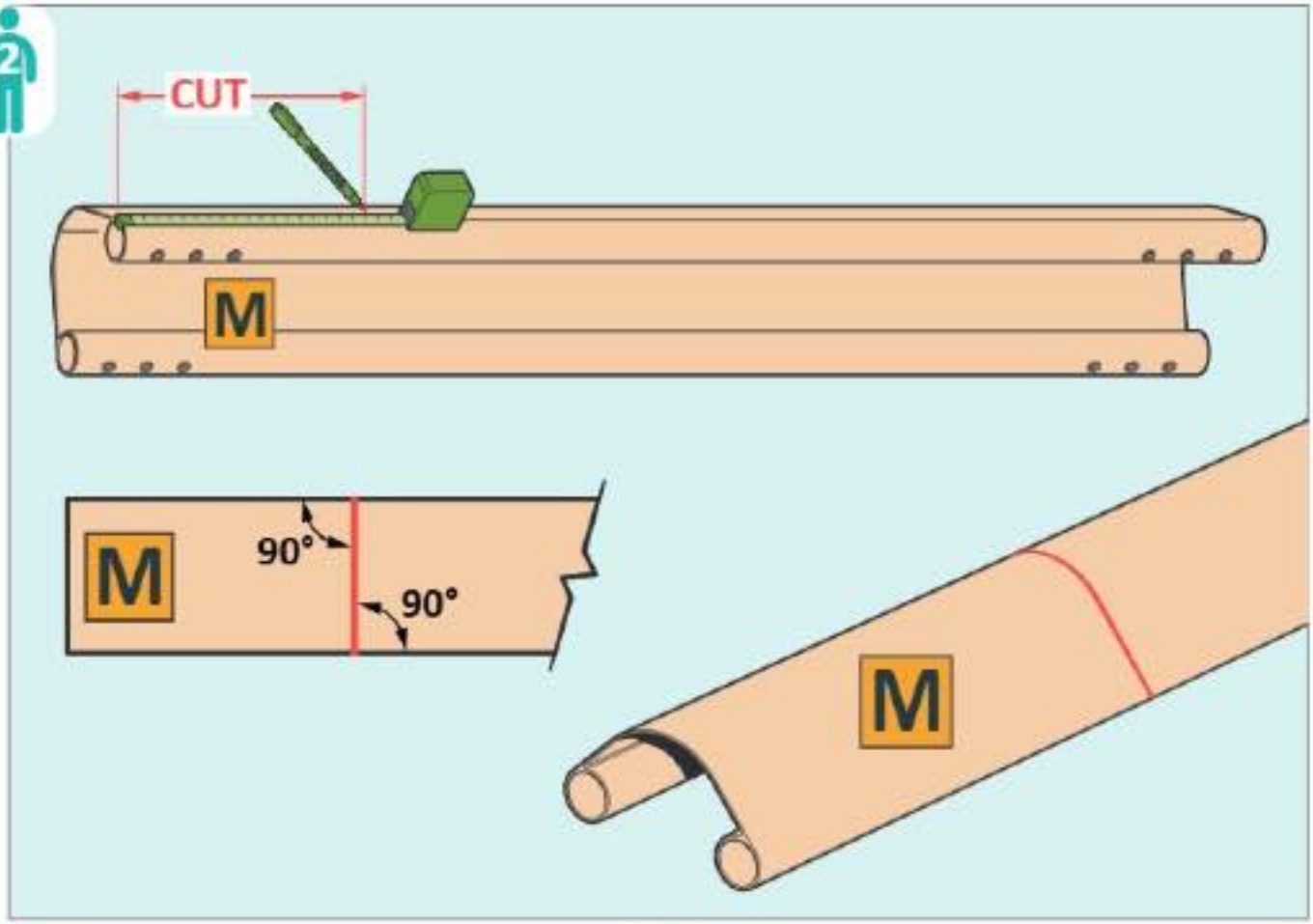
30107-00003 Open End Spanner 36mm	30113-00048 T Type Allen Key 4mm
	

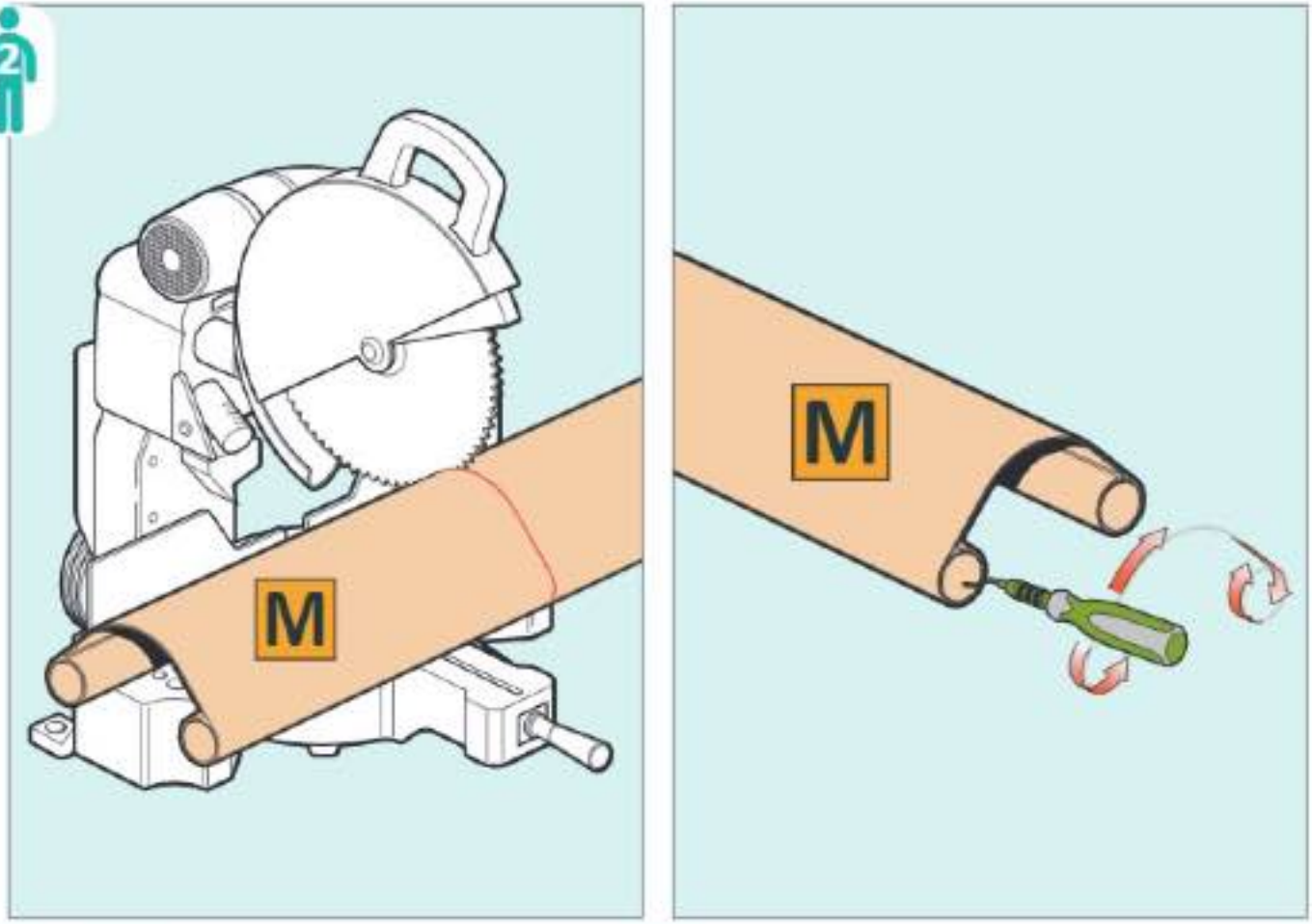
Tools required

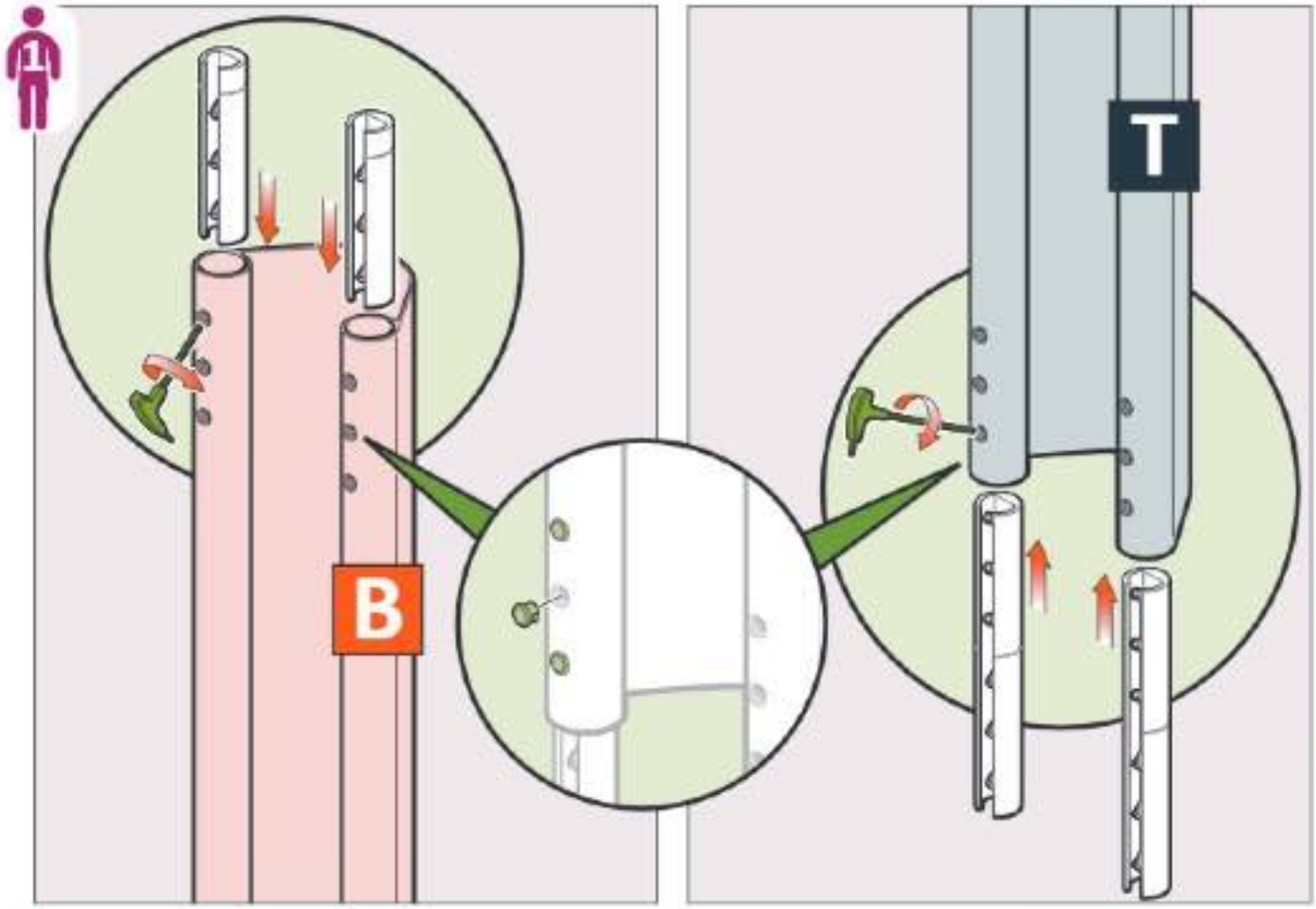
Power Drill	Drill Bits	Countersink Bit	Tape Measure
			
Marker Pen	**Chop Saw**	**Loctite**	**Adjustable Wrench**
			
Spirit Level	**Spanners**	**Stanley Knife**	**De-Burr Tool**
			

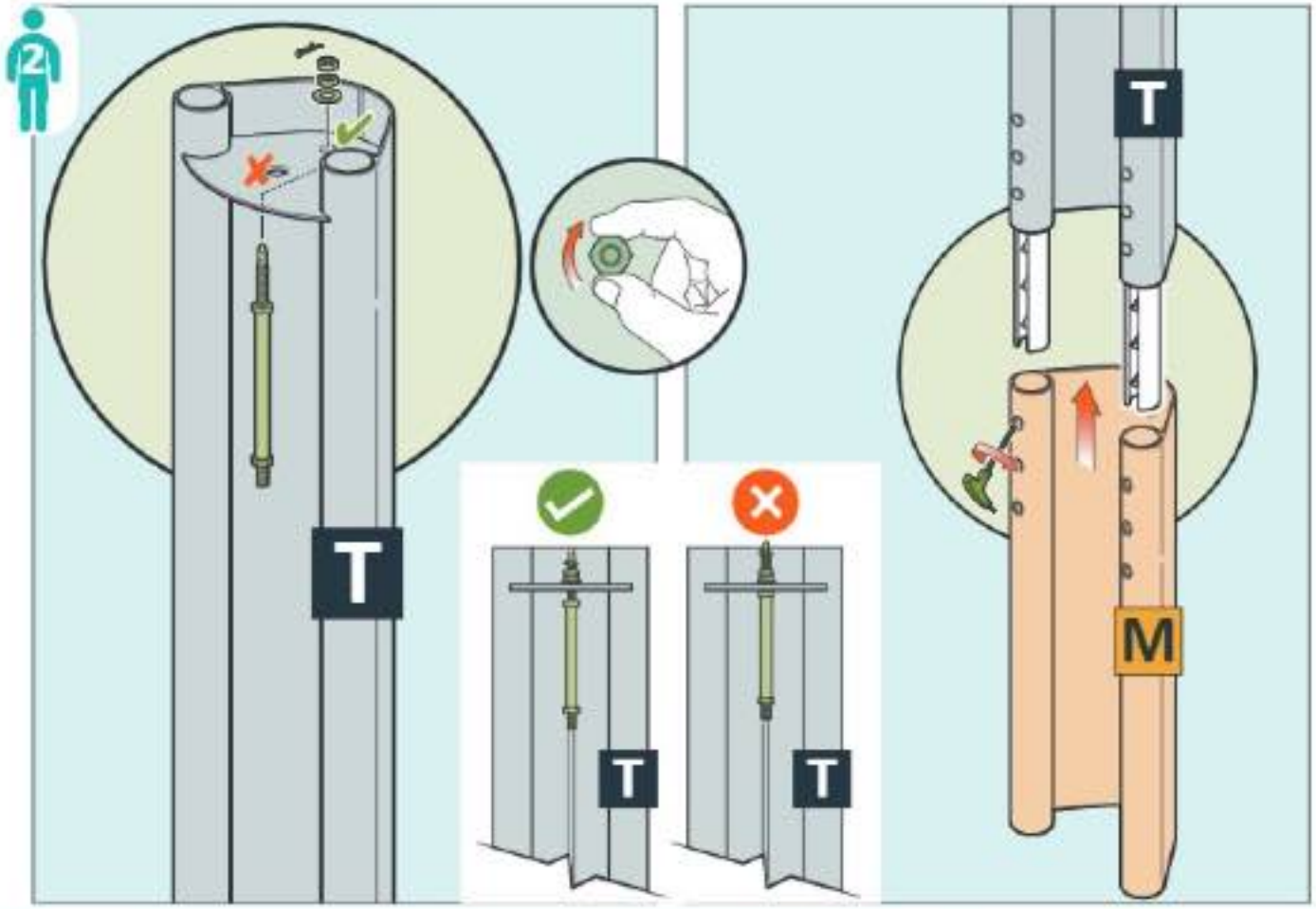
Steps	PH2 + PH3 Bits	Angle Grinder	Stud Finder
			
Laser Line	**Long Nose Pliers**	**6 ' Ladder**	**Mole Grips**
			x2 

Section 3: Rail Preparation

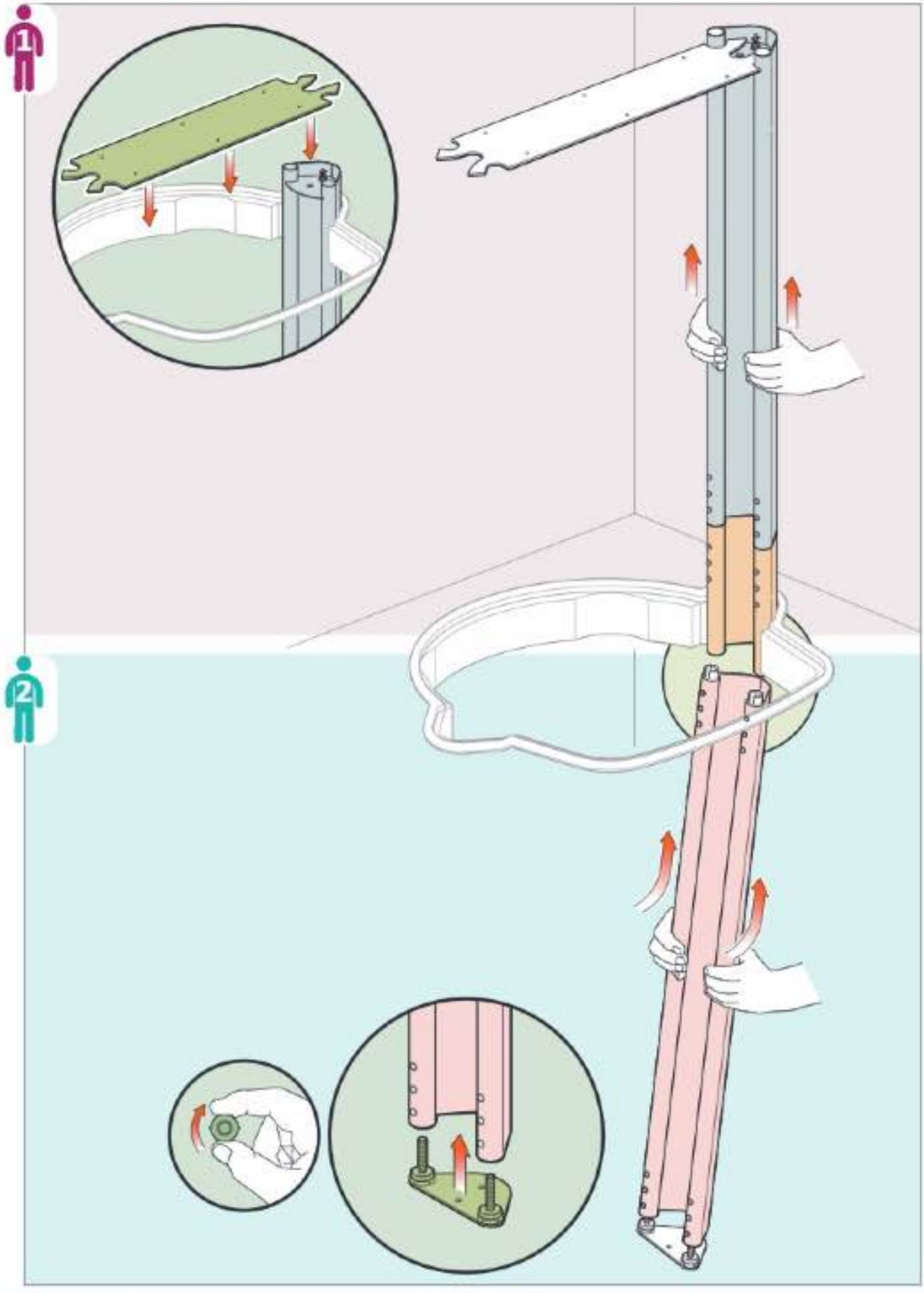


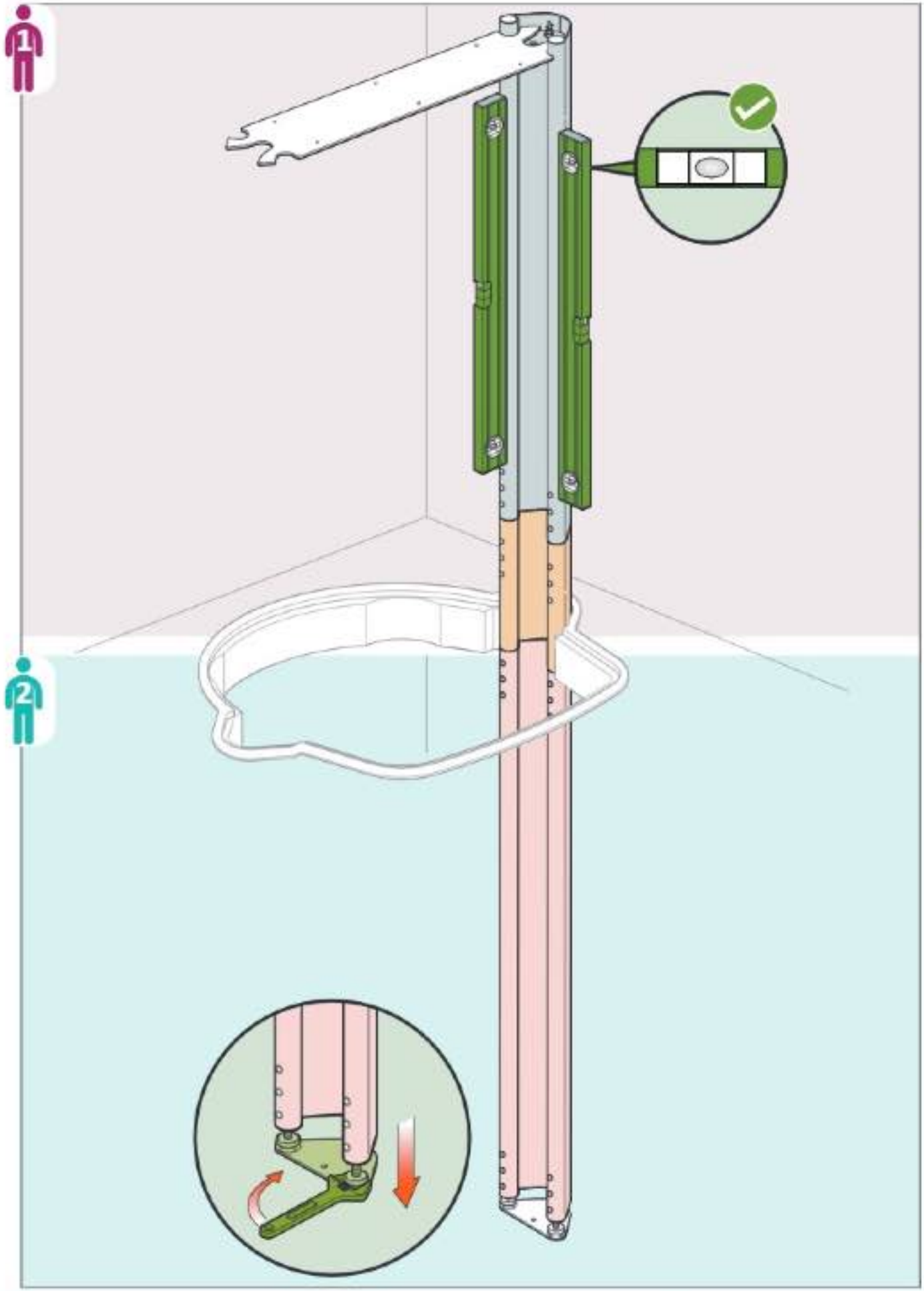



1
B
T

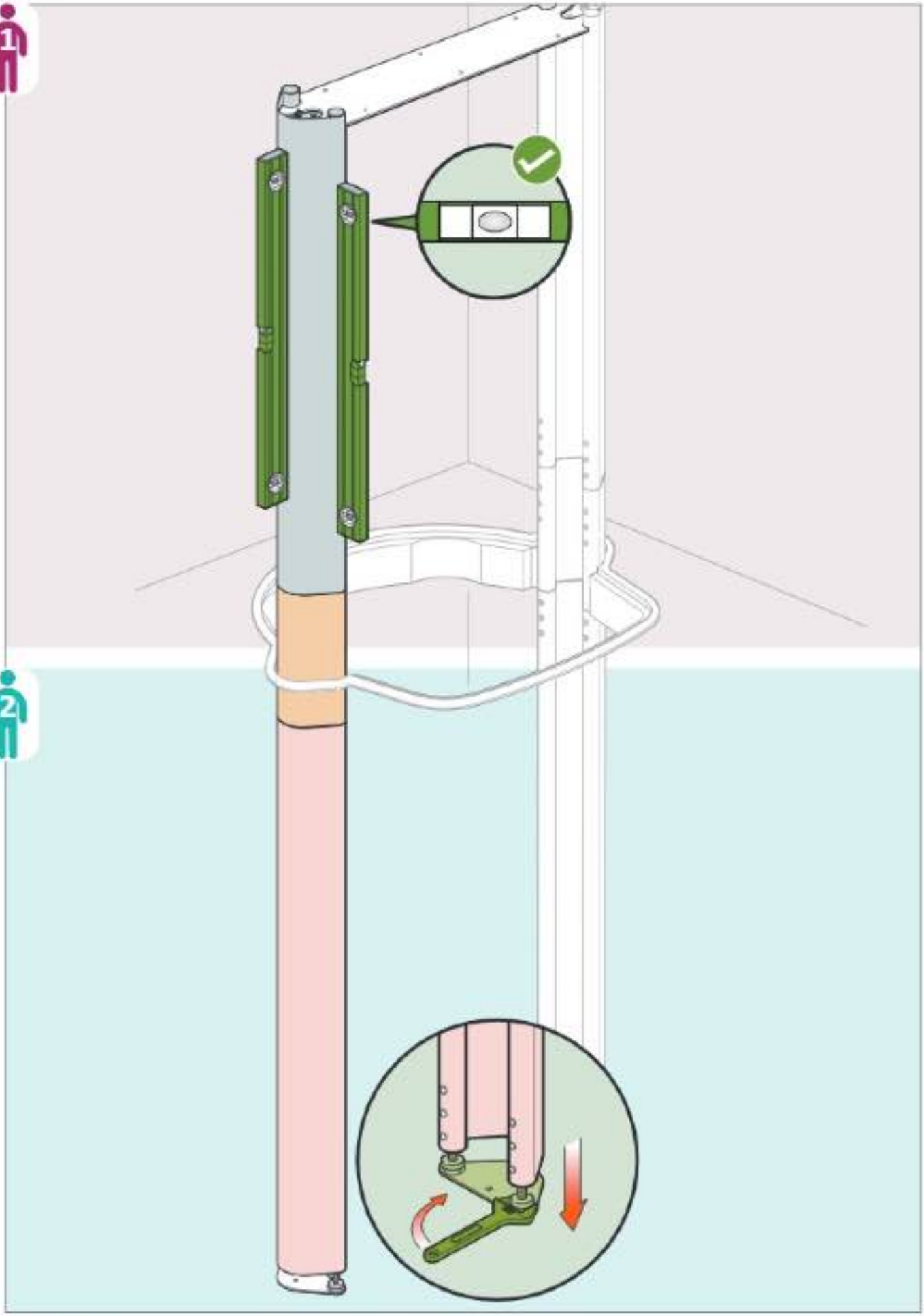

2
T
T
T
T
M

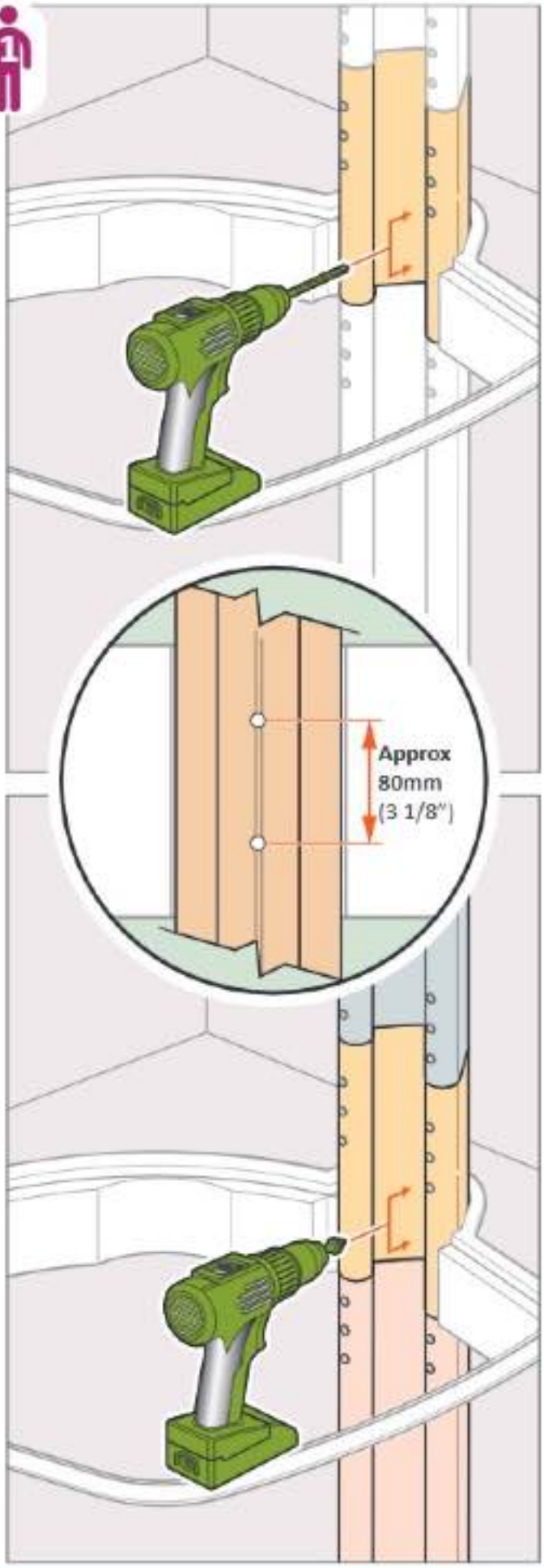
Section 3: Rail Preparation

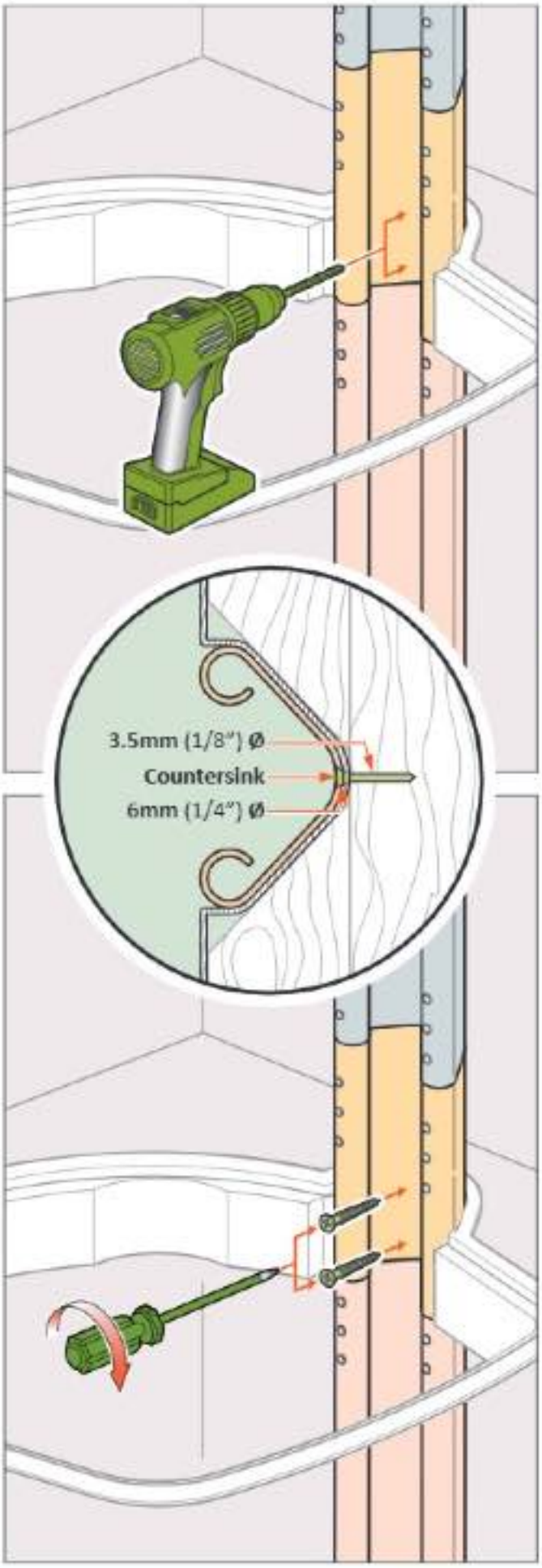



1
2

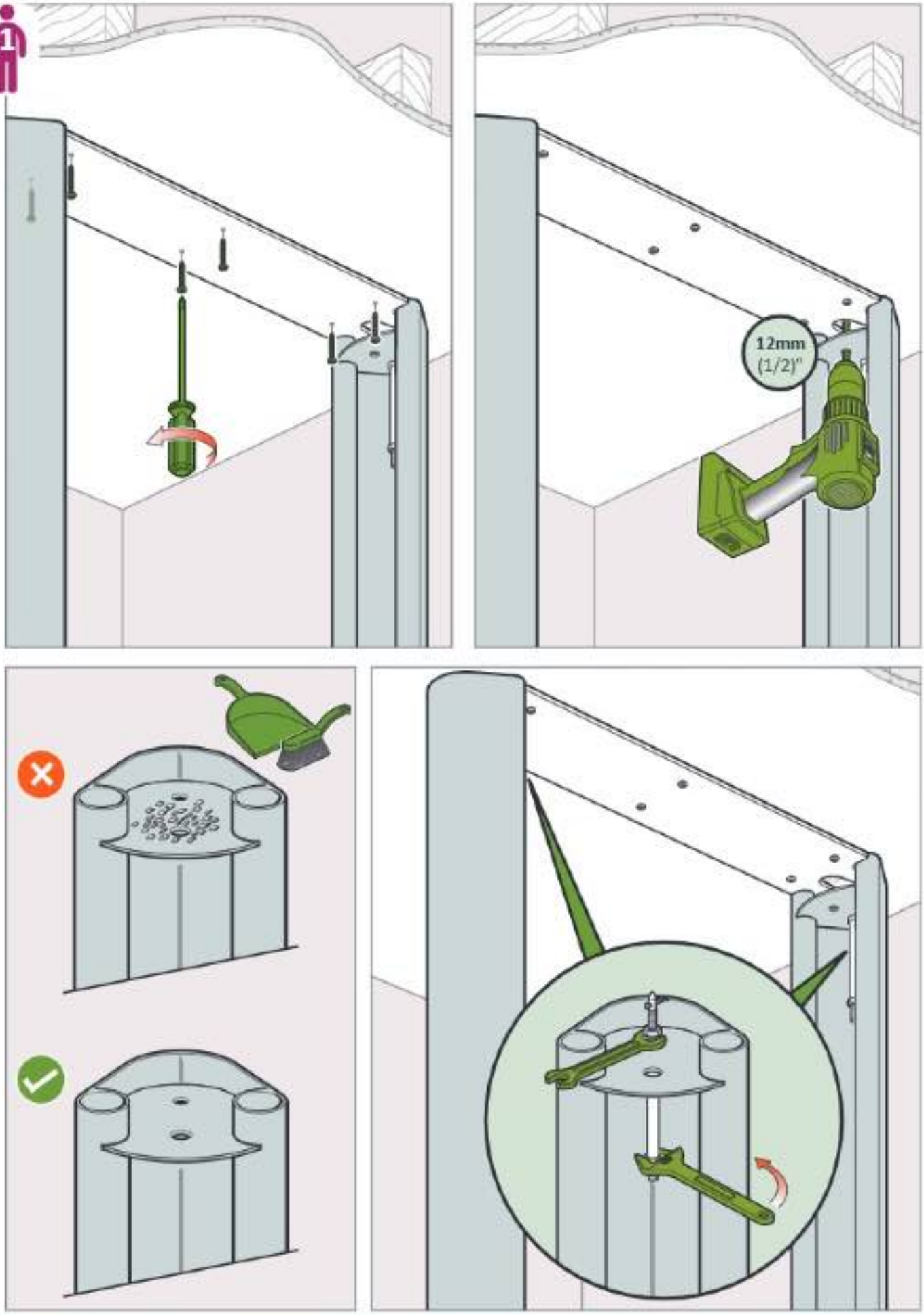
Section 3: Rail Preparation

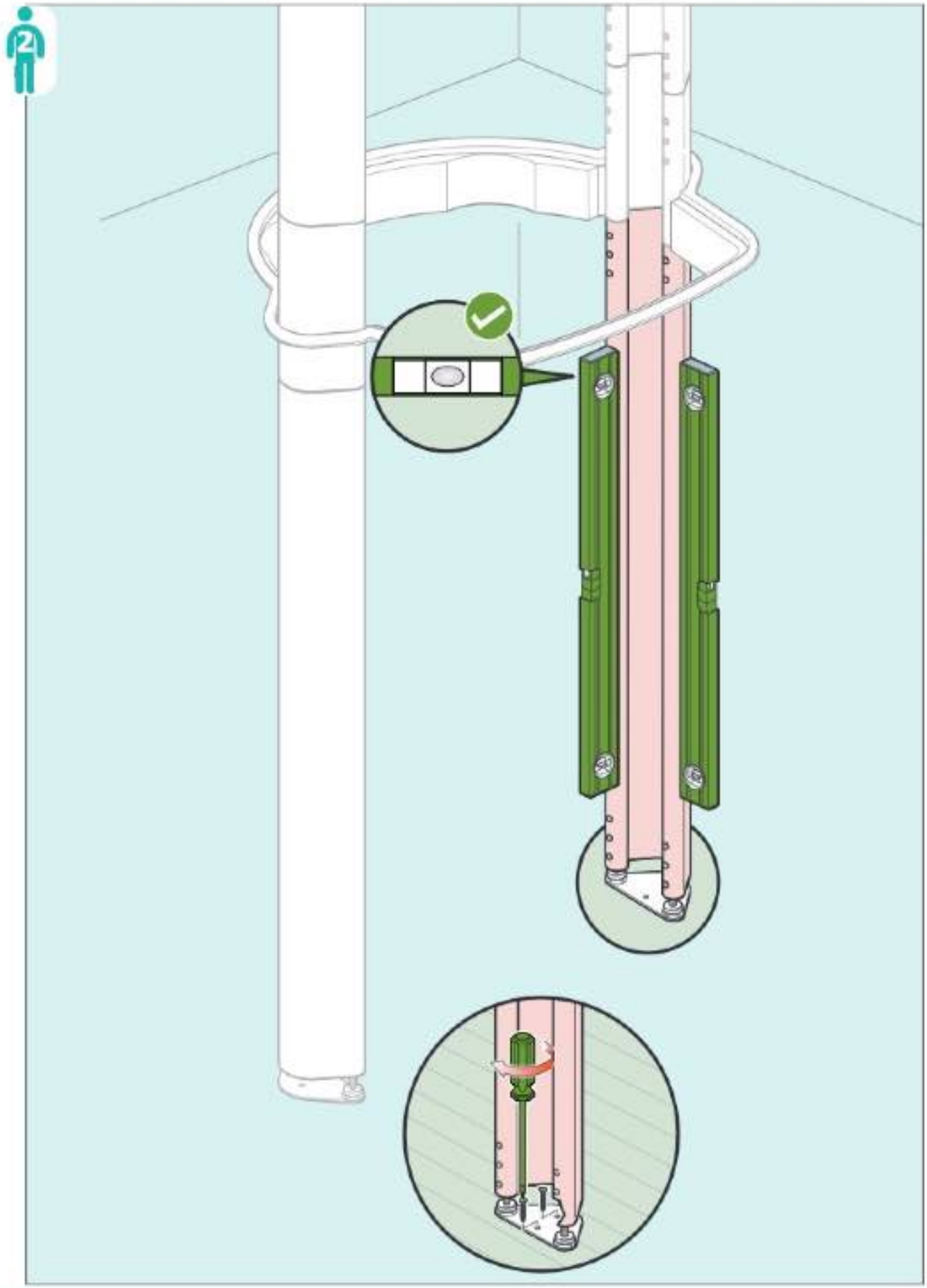



Approx
80mm
(3 1/8")

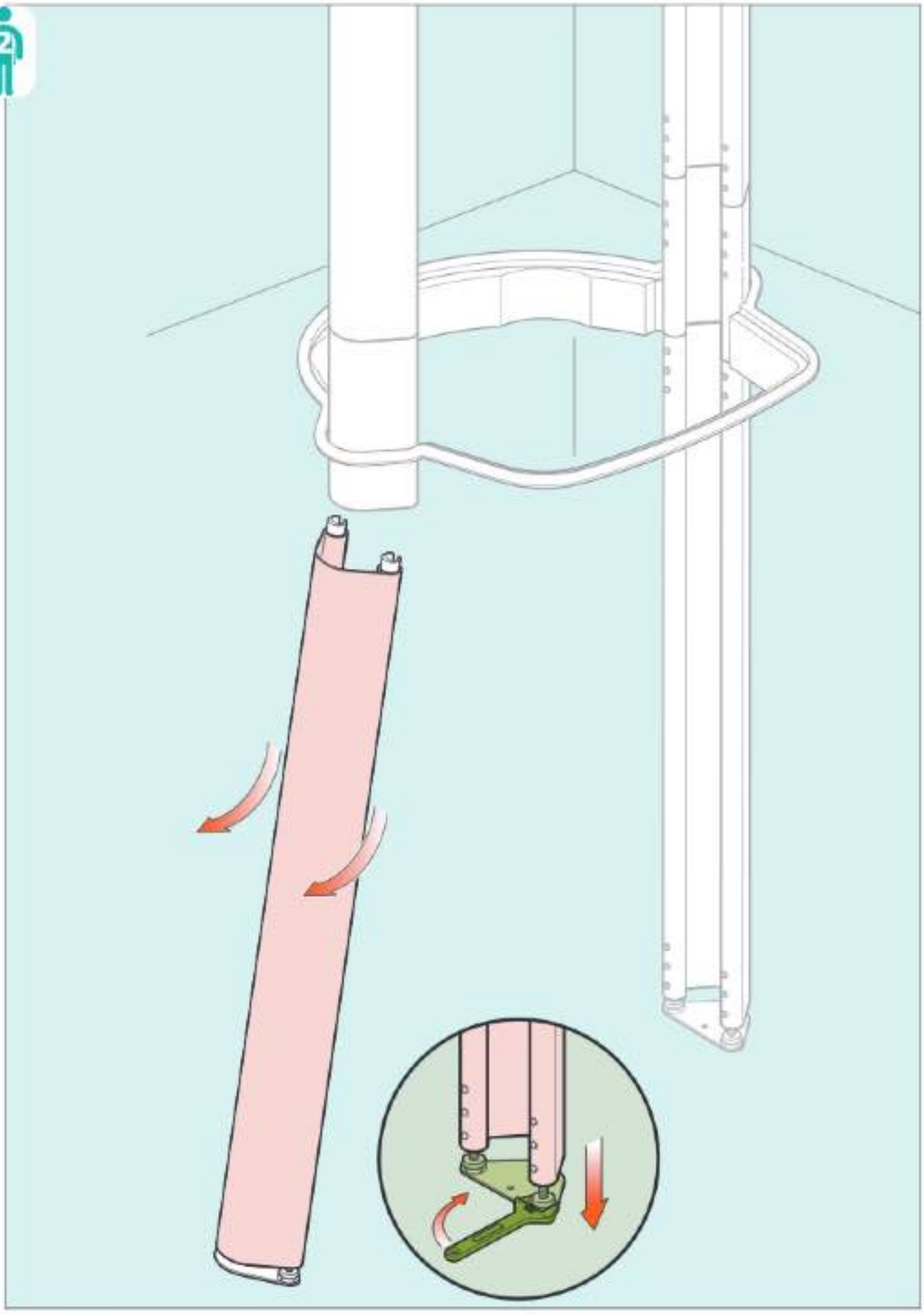

3.5mm (1/8") Ø
Countersink
6mm (1/4") Ø

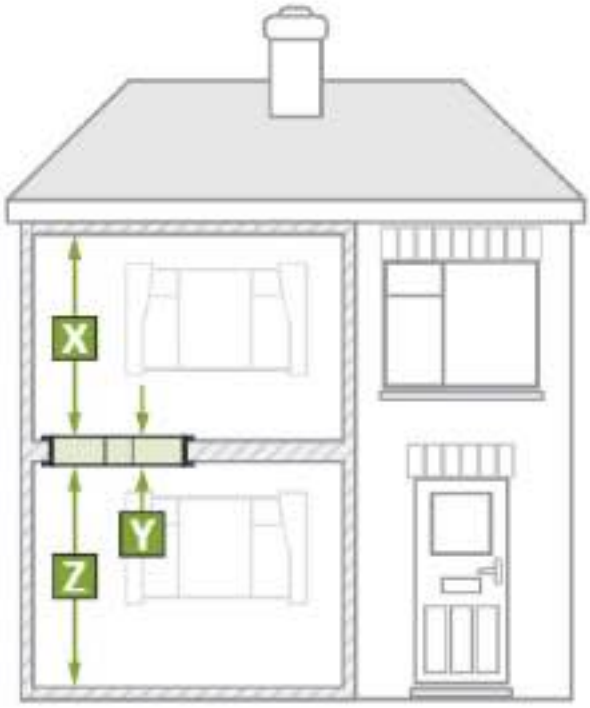
Section 3: Rail Preparation

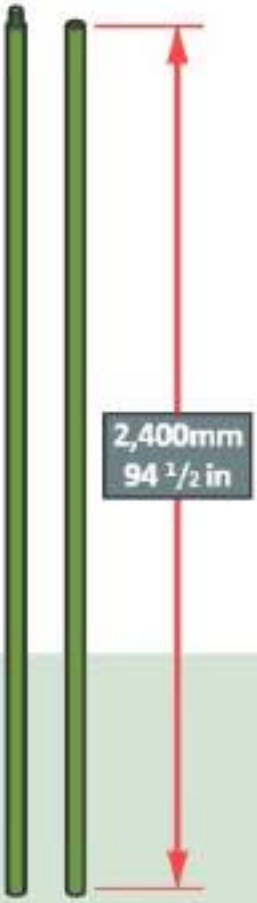




Section 3: Rail Preparation







EXAMPLE:

X = 2,388mm (94 in)

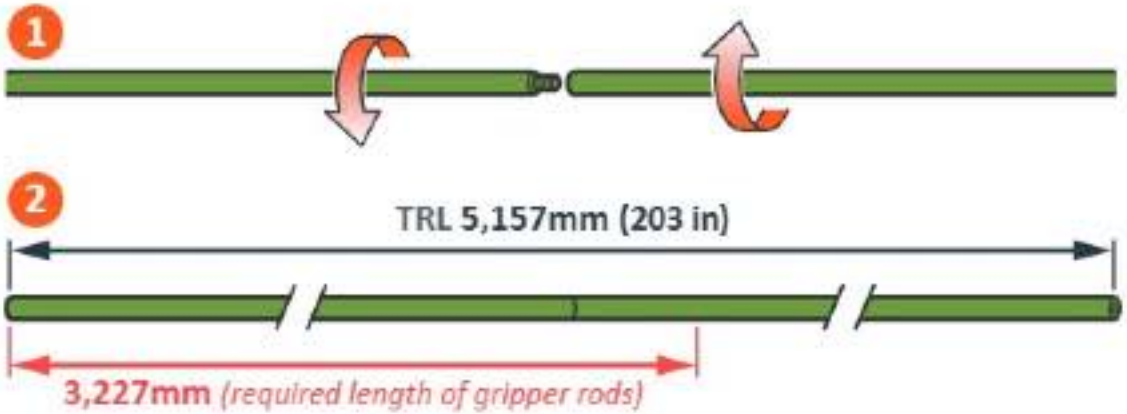
Y = 381mm (15 in)

Z = 2,388mm (94 in)

Total Rail Length (TRL) **X + Y + Z = 5,157mm (203 in)**

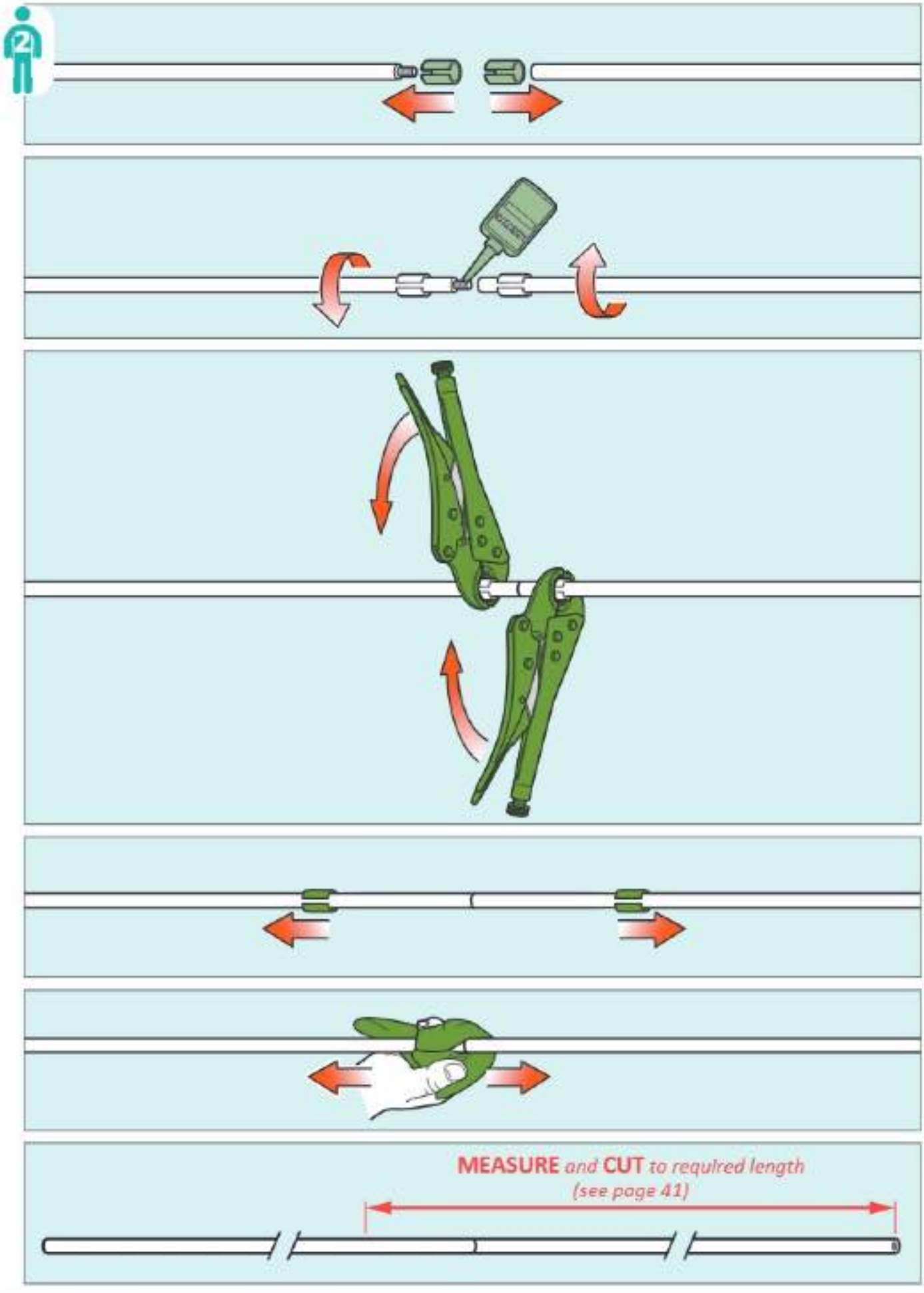
TRL 5,157mm - 1,930mm = 3,227mm *(required length of gripper rods)*

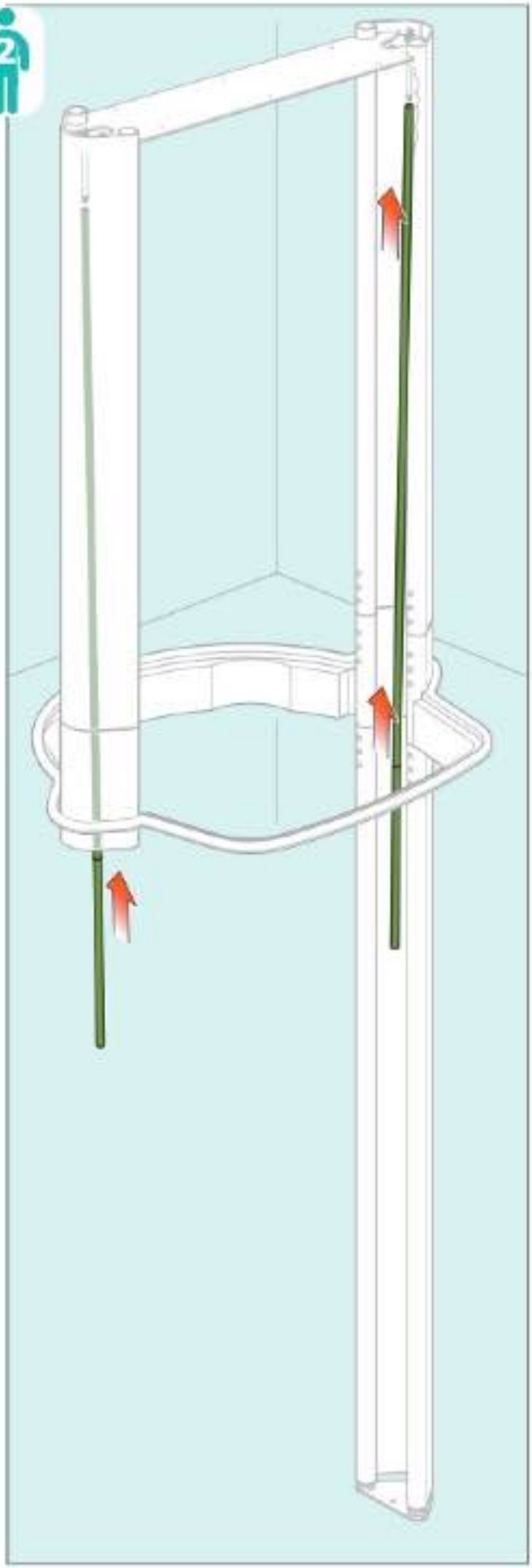
TRL 203 in - 76in = 127 in *(required length of gripper rods)*

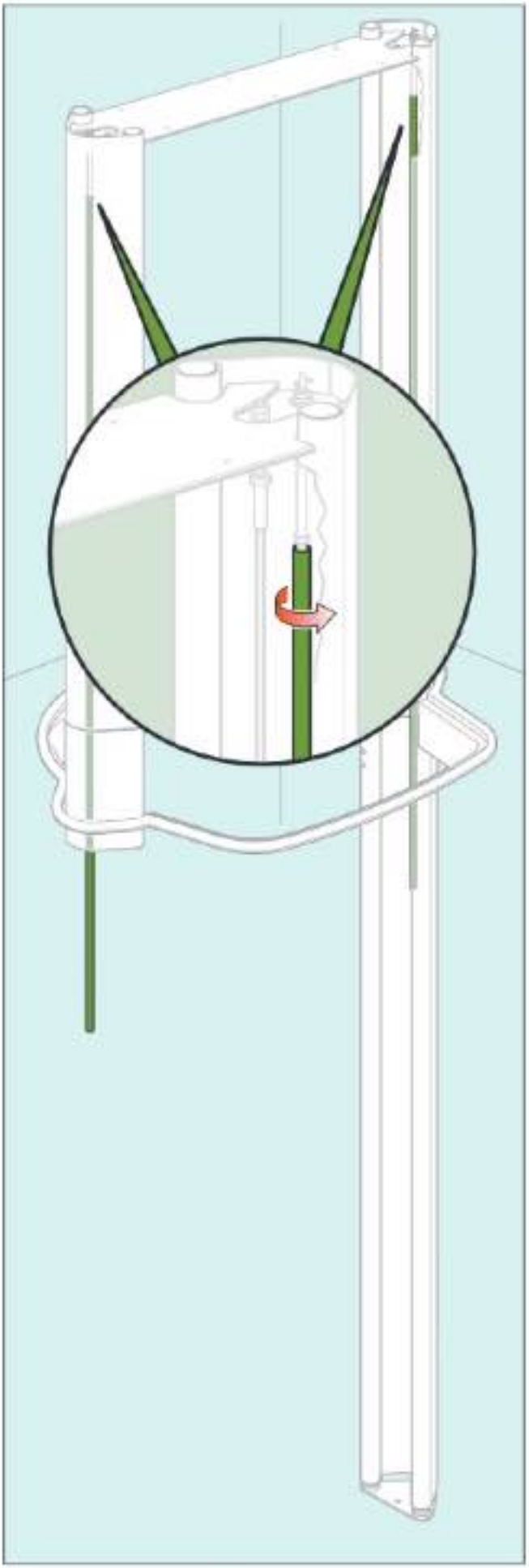


NOTE: Gripper Rod length should be 1,930mm (76 in)above the lowest level floor.

Section 3: Rail Preparation

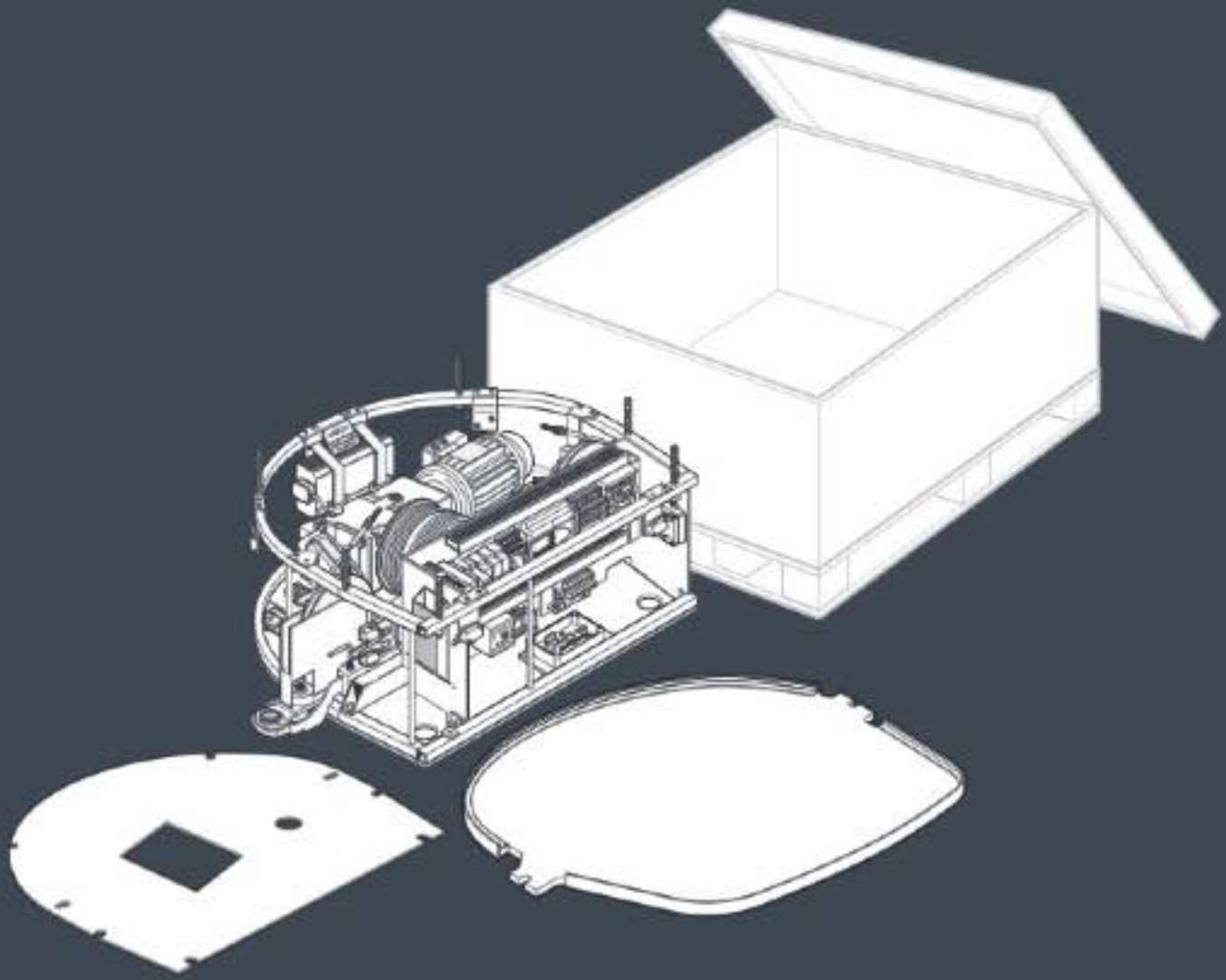






Stiltz™ Homelifts

SECTION 4
Hoist Preparation



INSTALLATION GUIDELINES

Section 4: Hoist Preparation

Supplied in Installation Kit (sold separately)

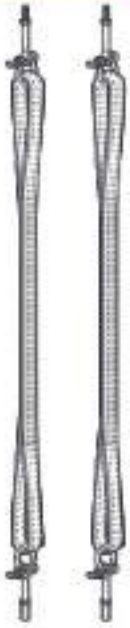
50104-00038
Remote Pendant



10602-00035
Safety Pan Bridge Lead



55102-00058
Installation Sling Set



30107-00003
Open End Spanner 36mm



30113-00048
T Type Allen Key 4mm



Tools required

Electrical Multi Meter



Allen Keys (Metric)



Cross Screwdriver



Flat Screwdriver



Spanners



Scissors



6 ' Ladder



Steps

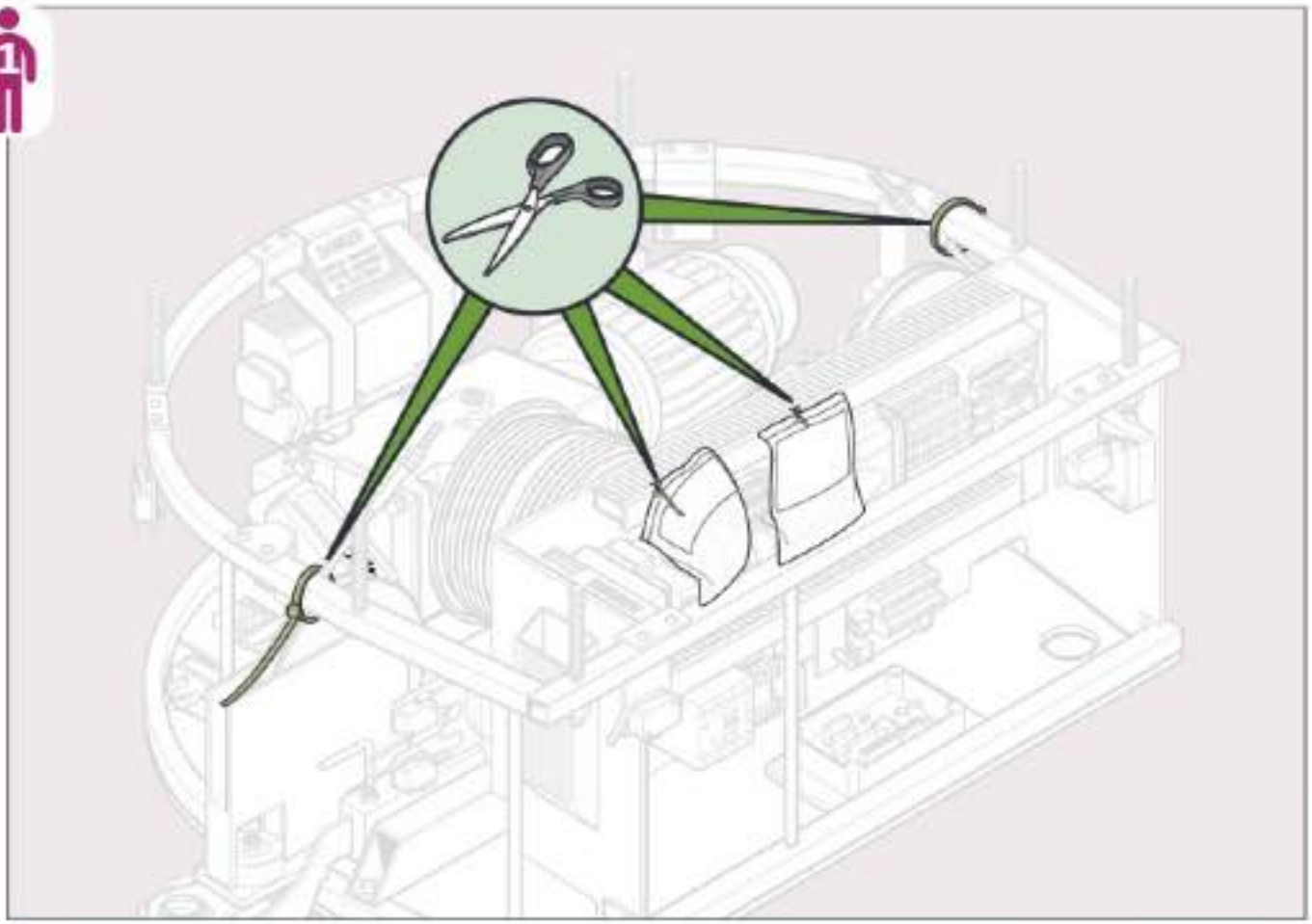


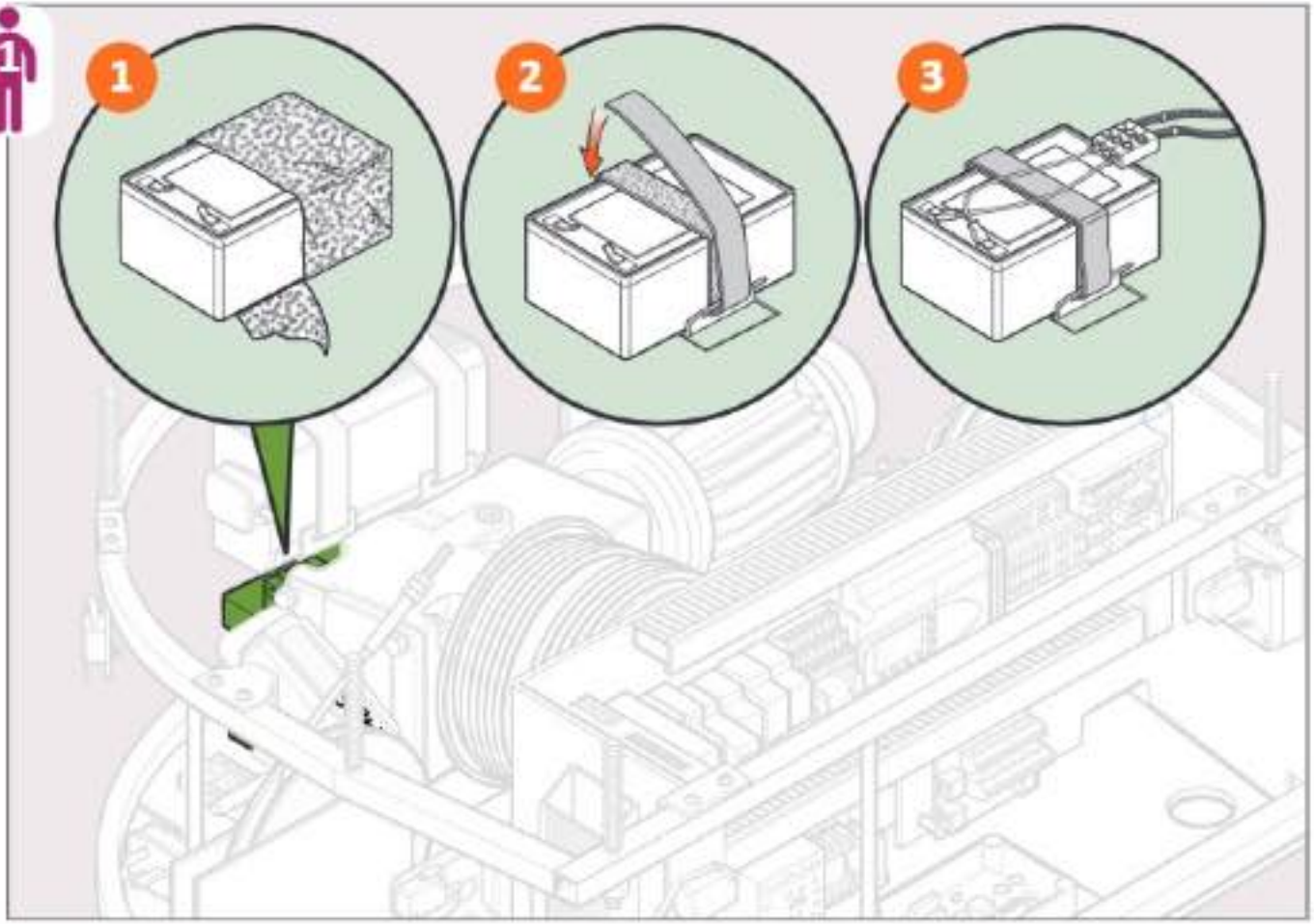
Long Nose Pliers



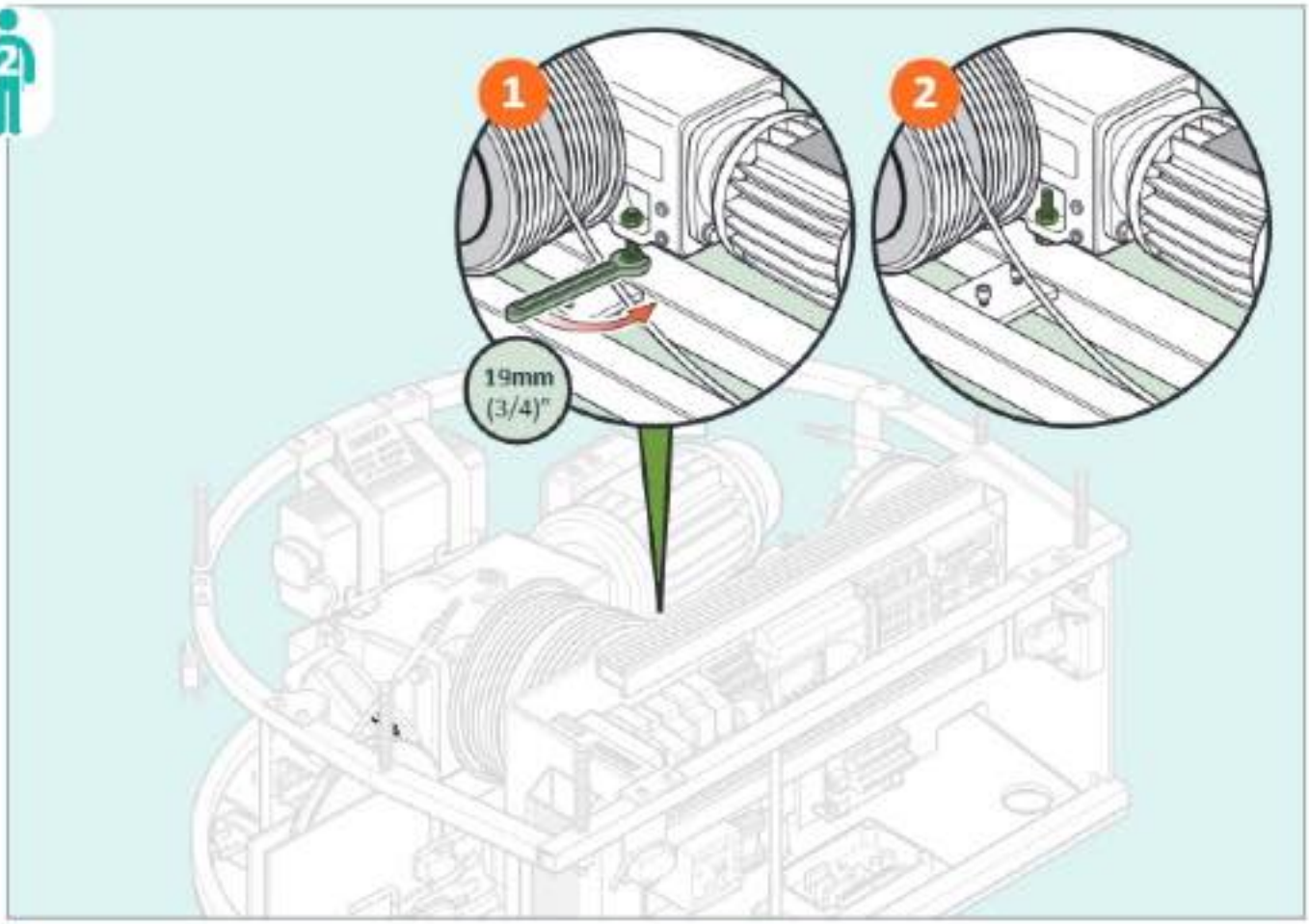
Brush and Dustpan

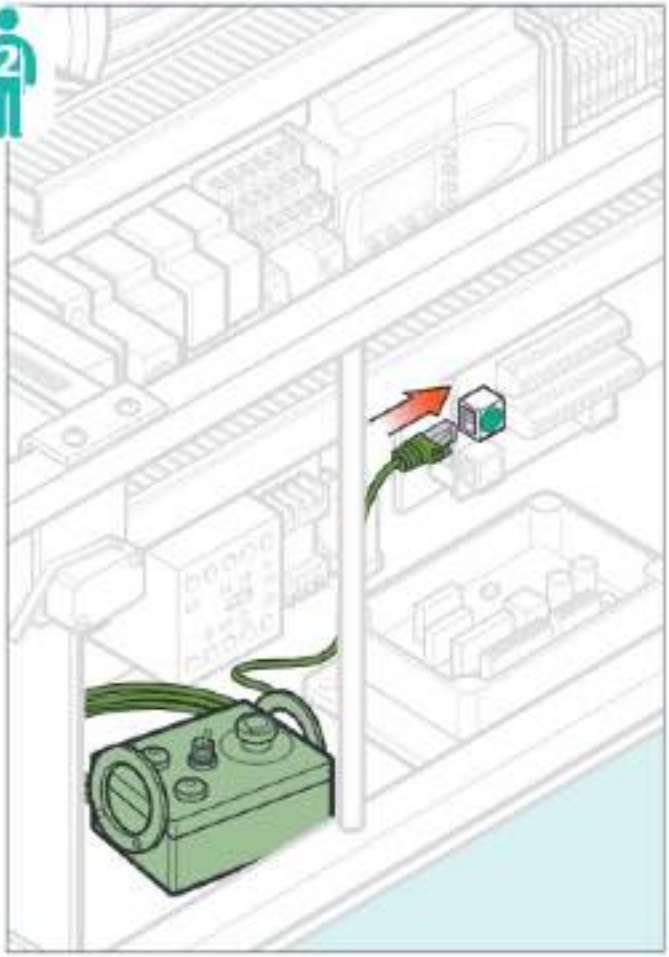


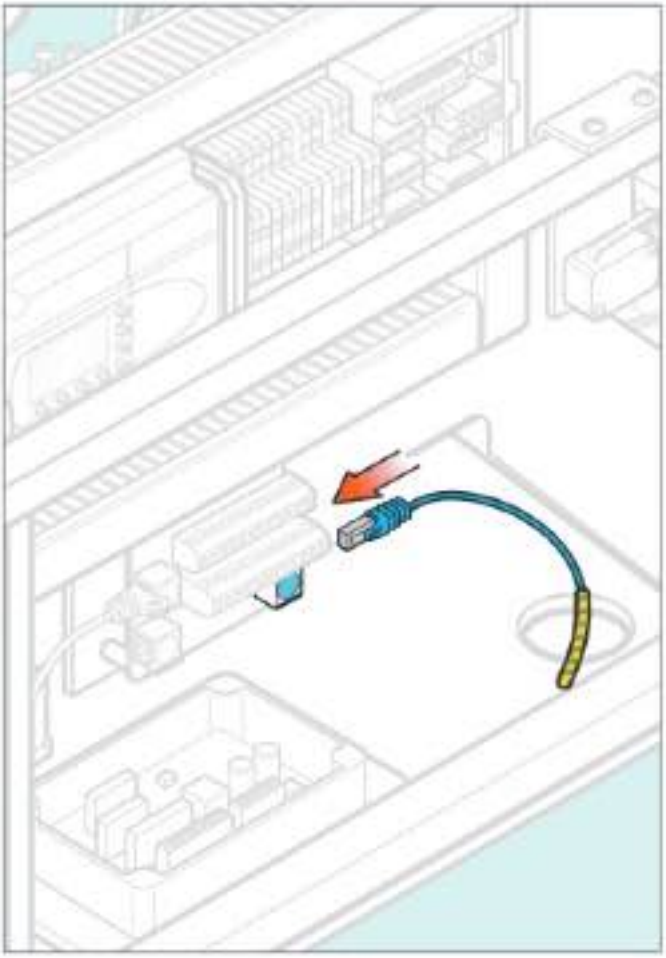


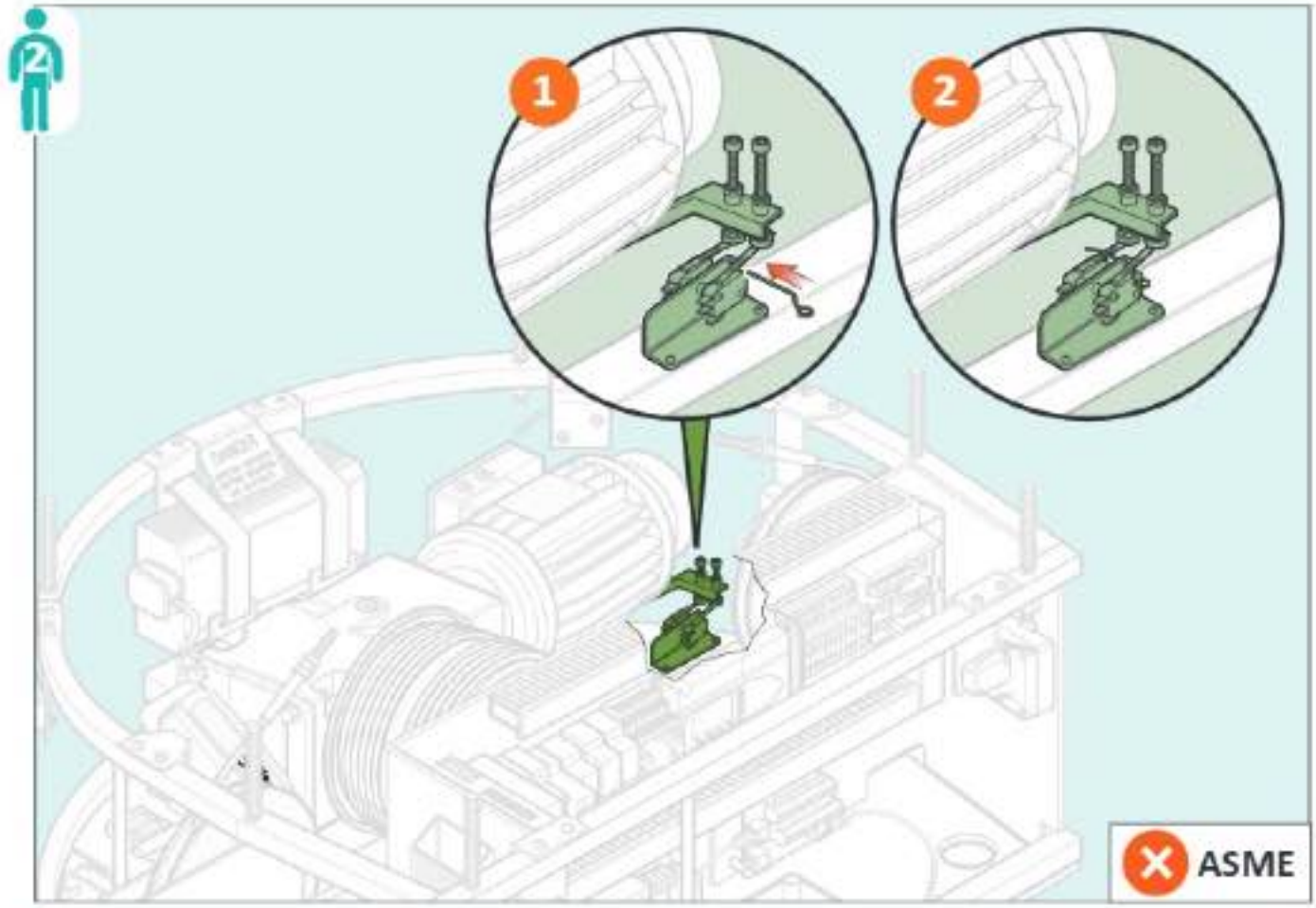

1
2
3

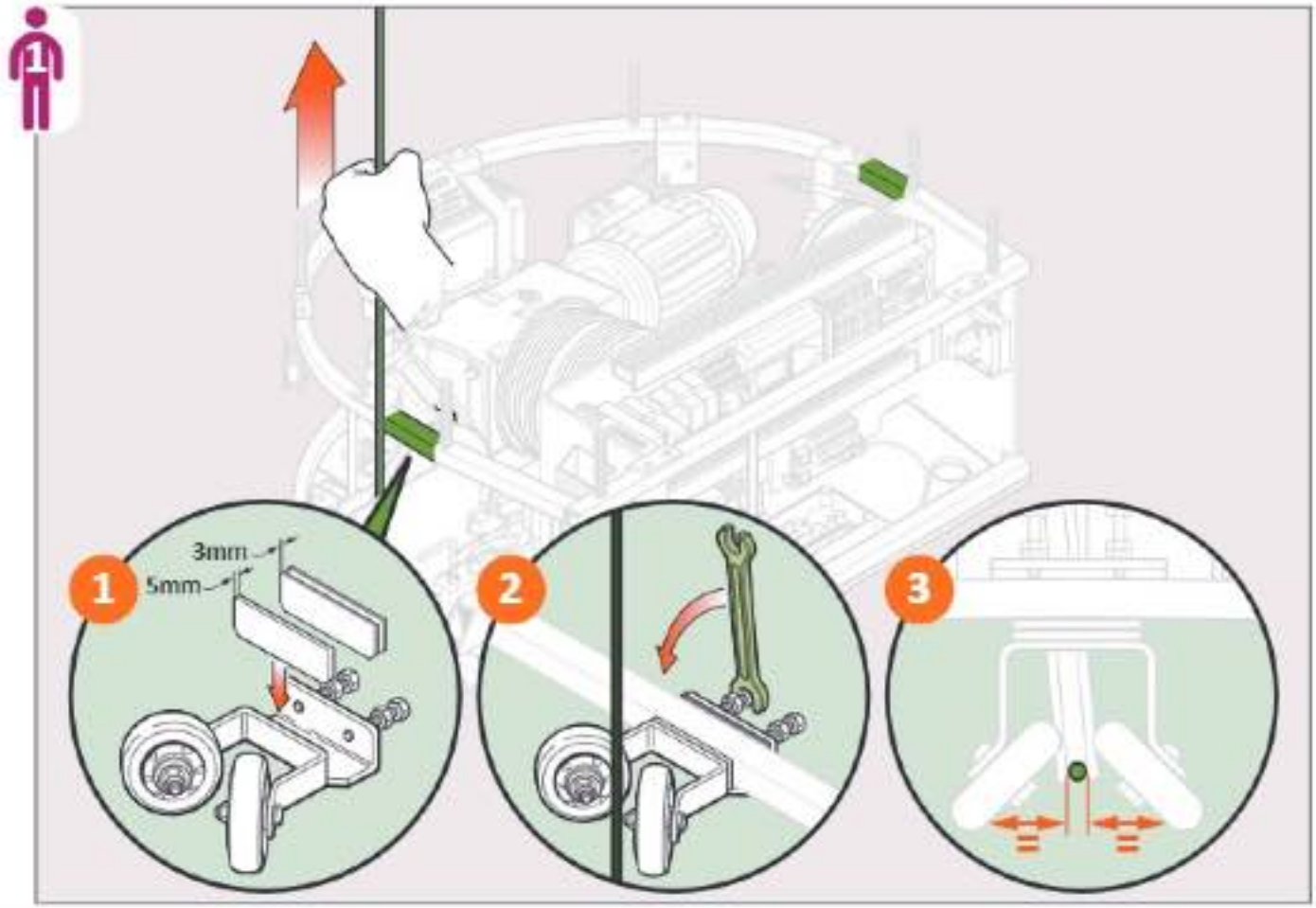
Section 4: Hoist Preparation



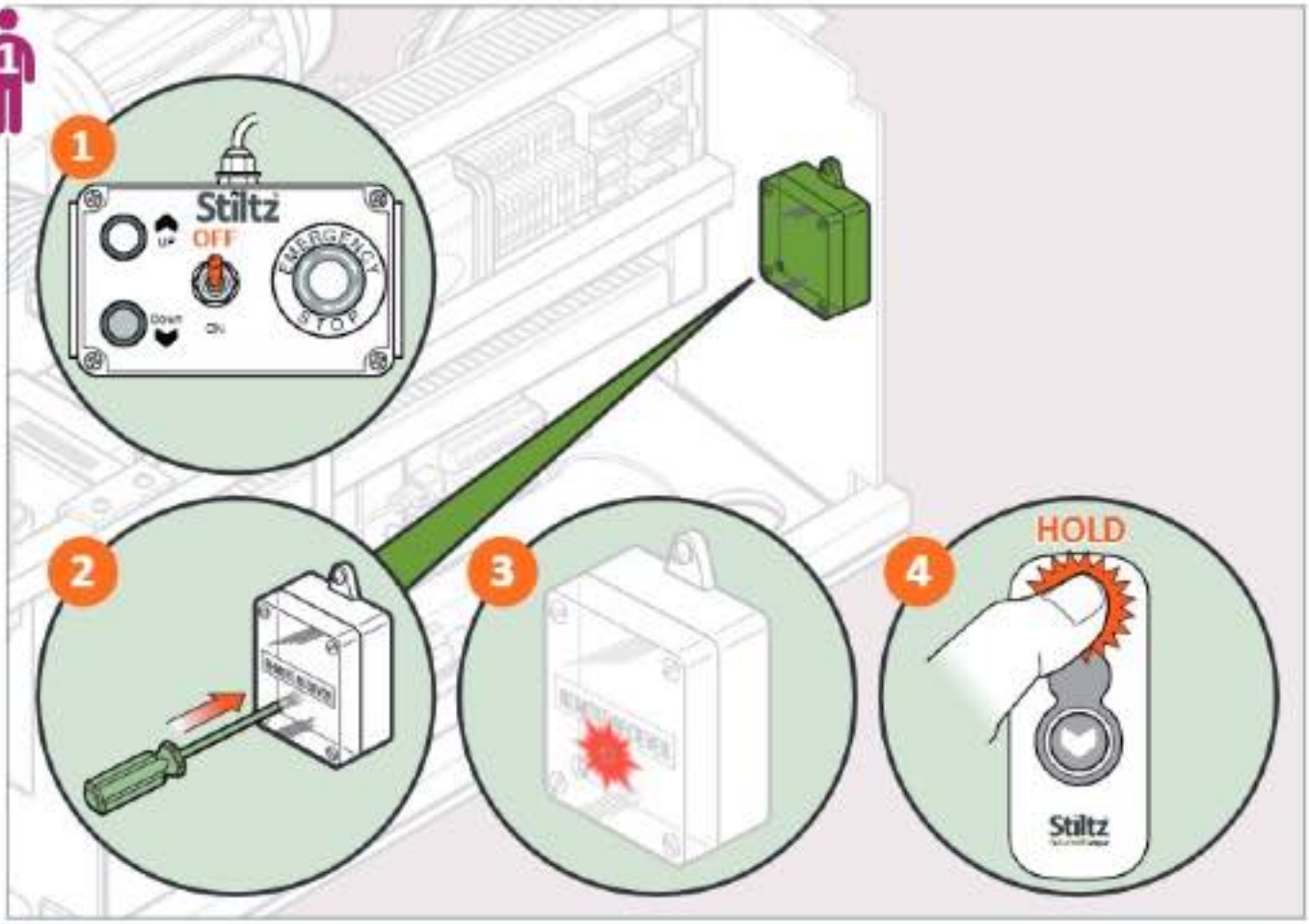


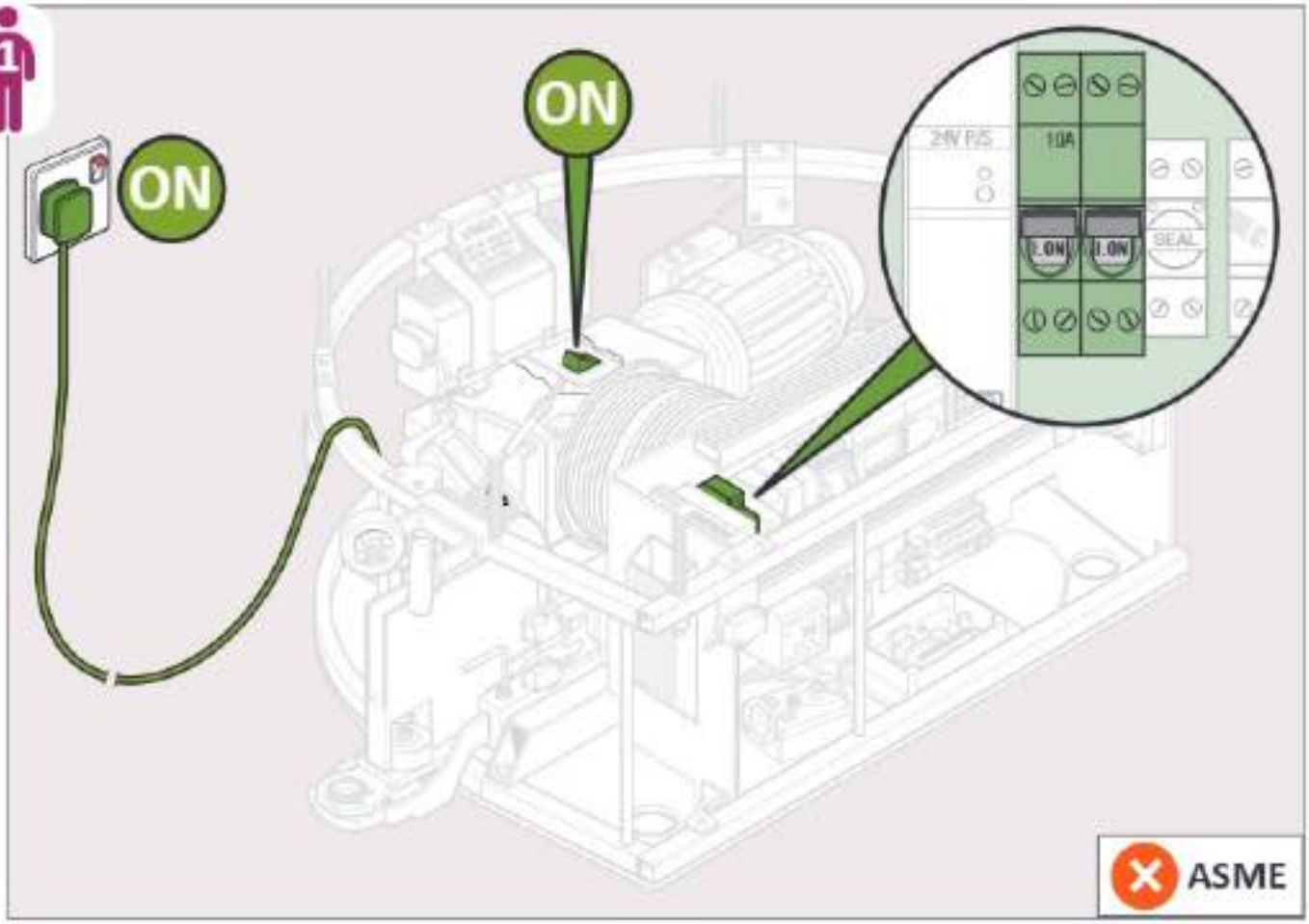



2
1
2
ASME

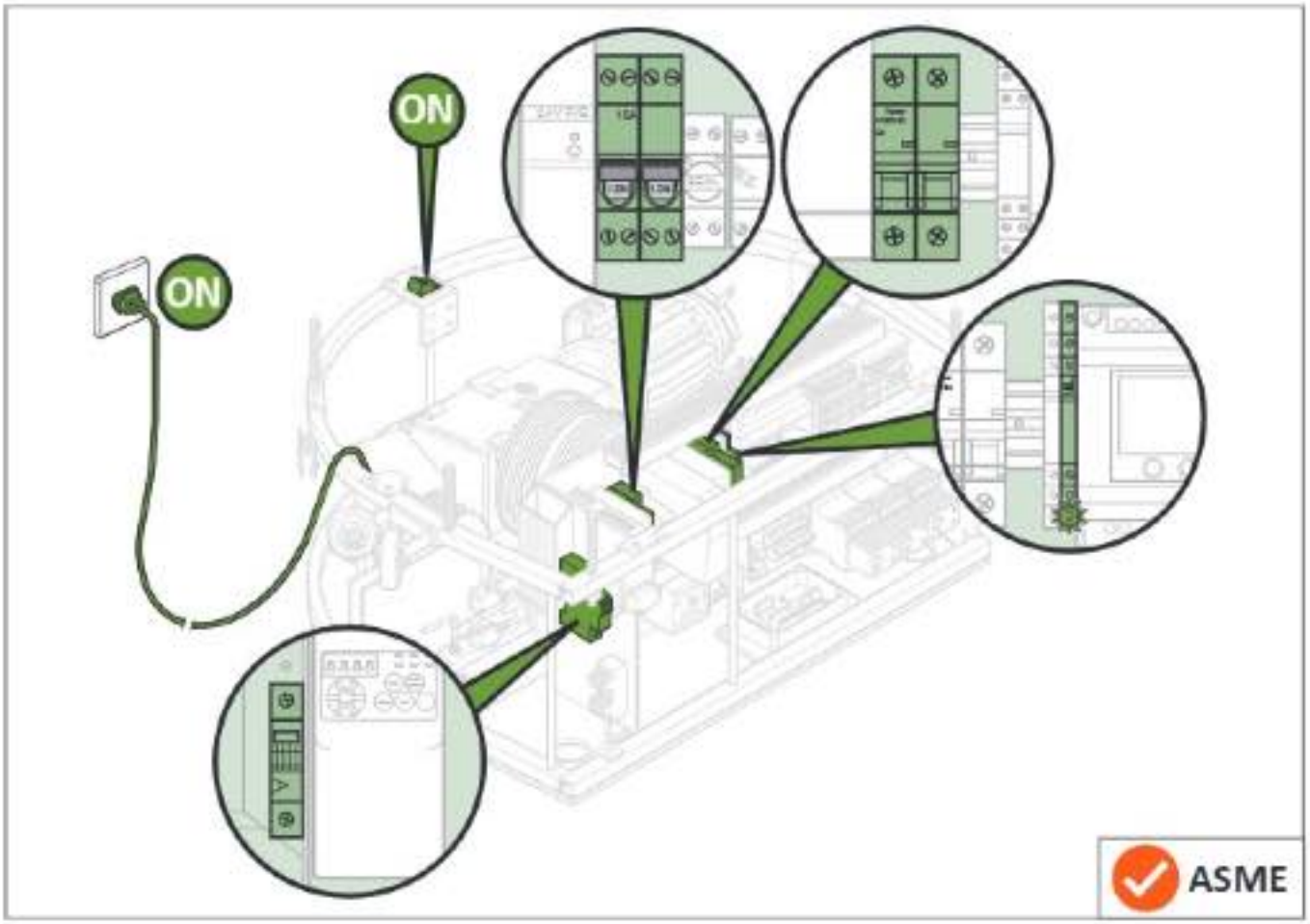

1
1
3mm
5mm
2
3

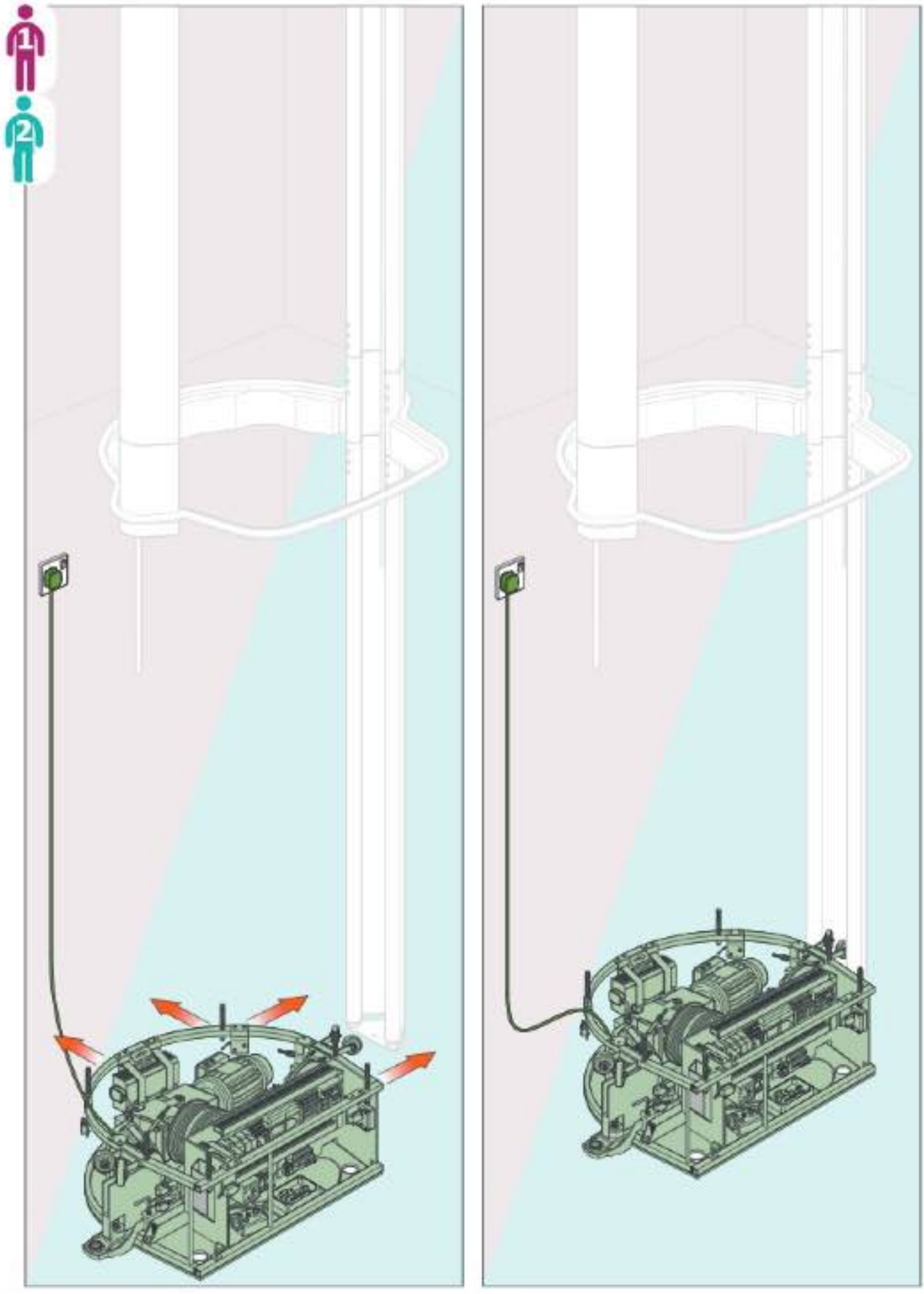
Section 4: Hoist Preparation



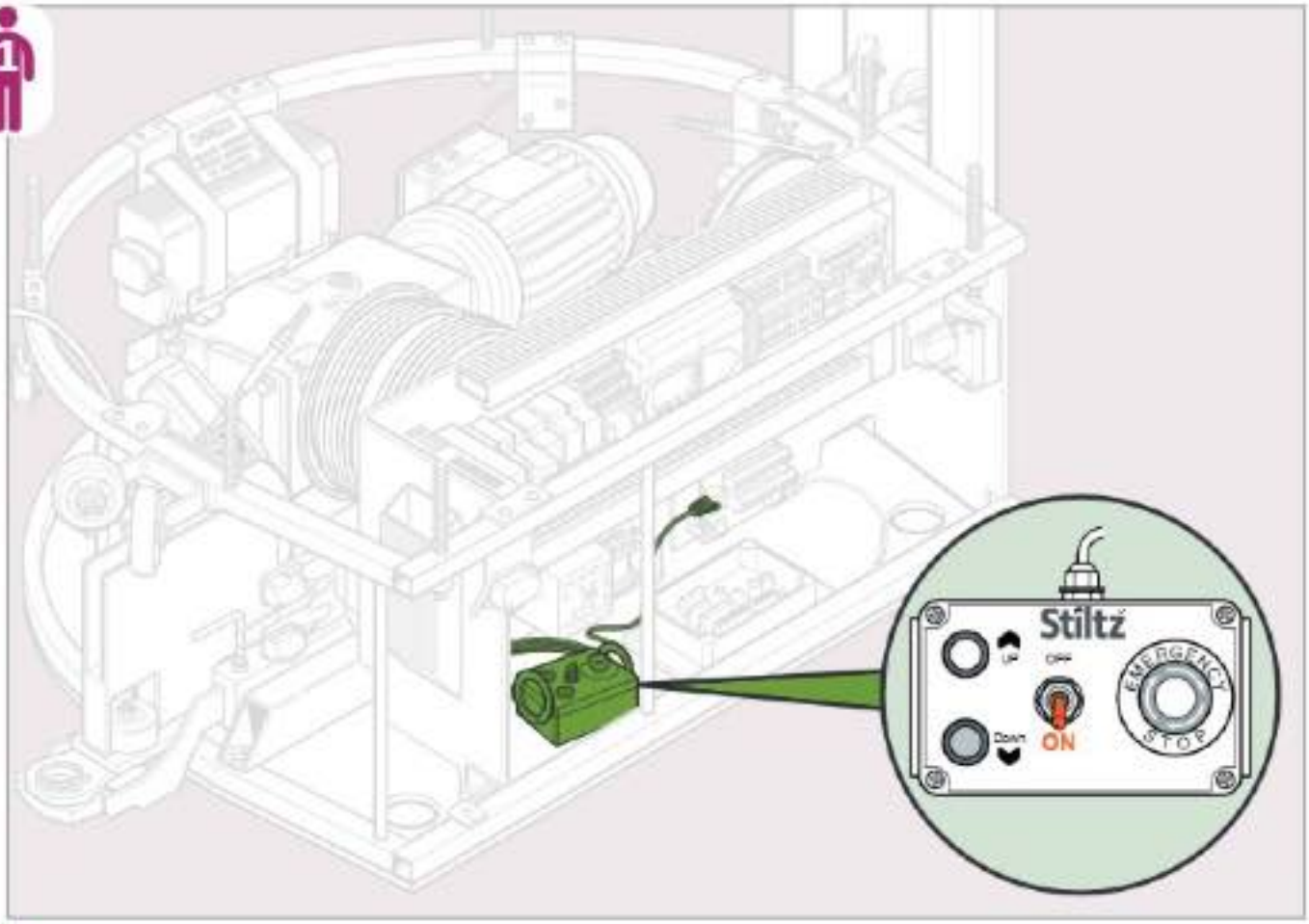


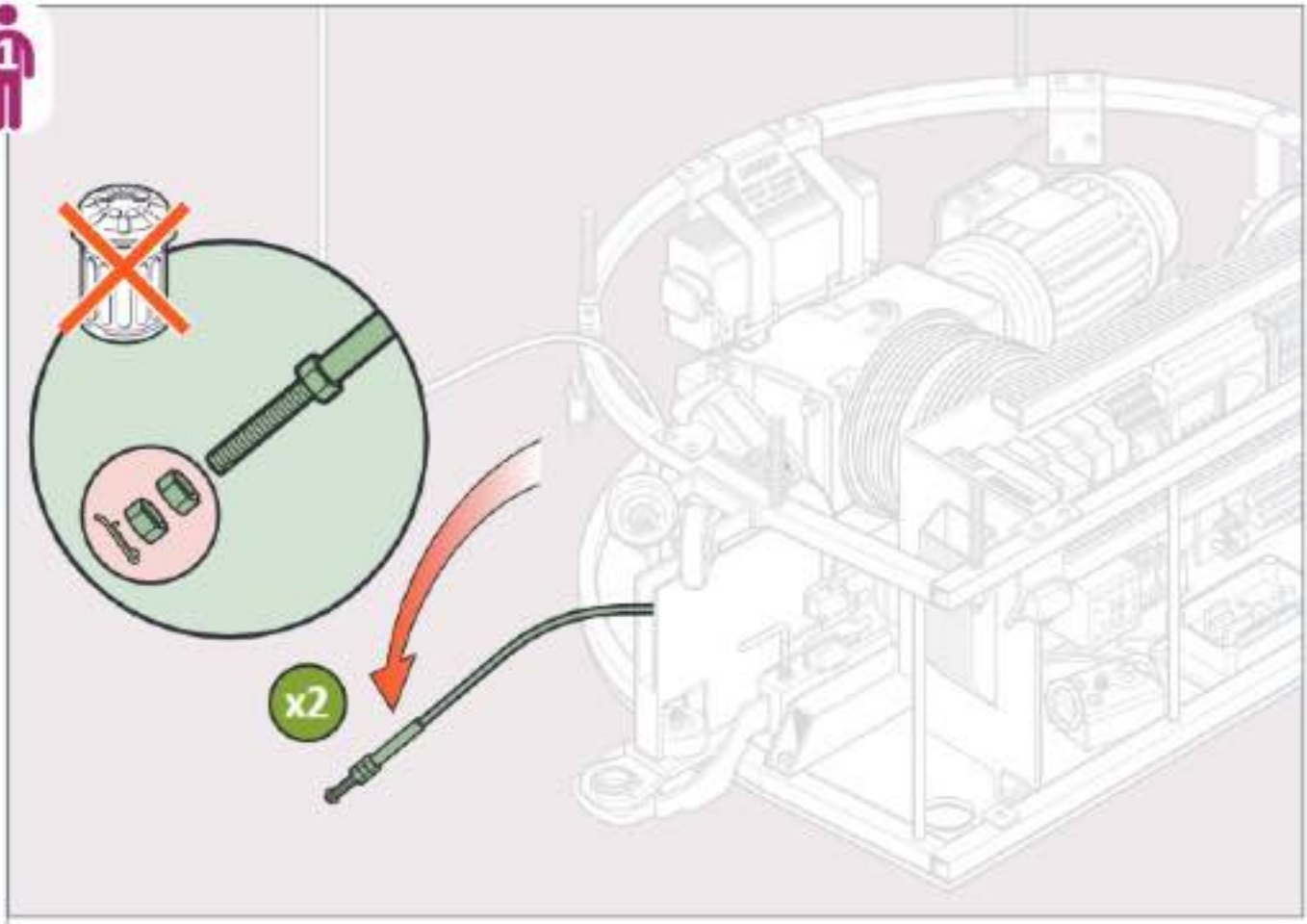
Section 4: Hoist Preparation

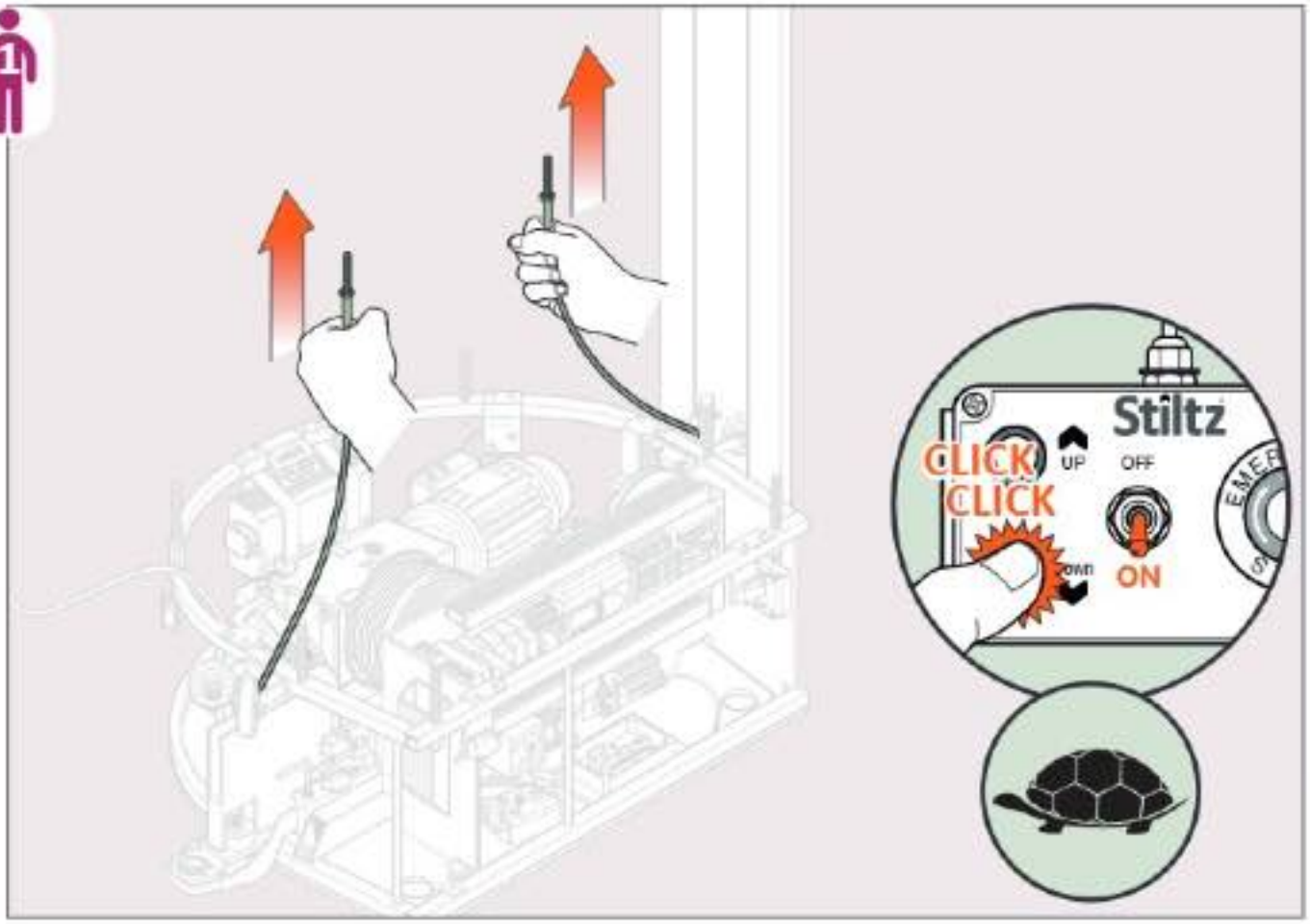




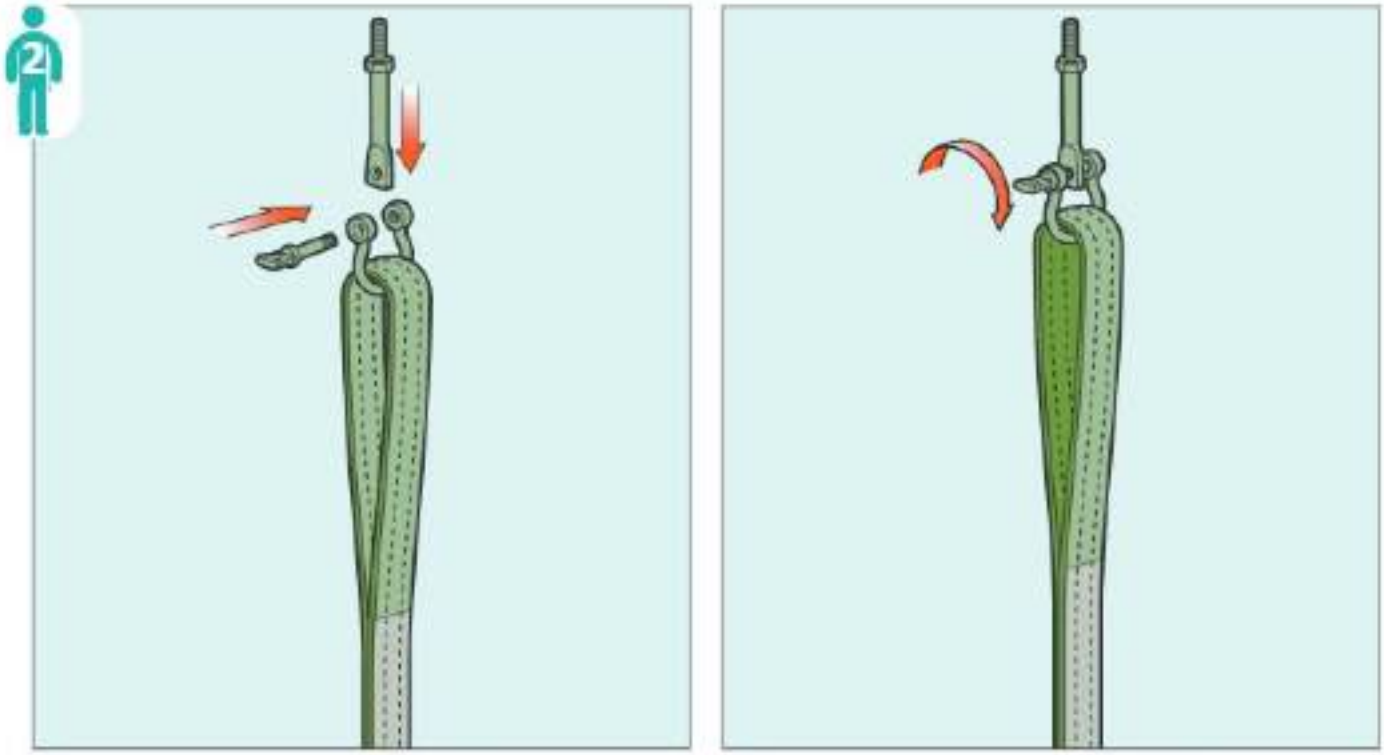
Section 4: Hoist Preparation

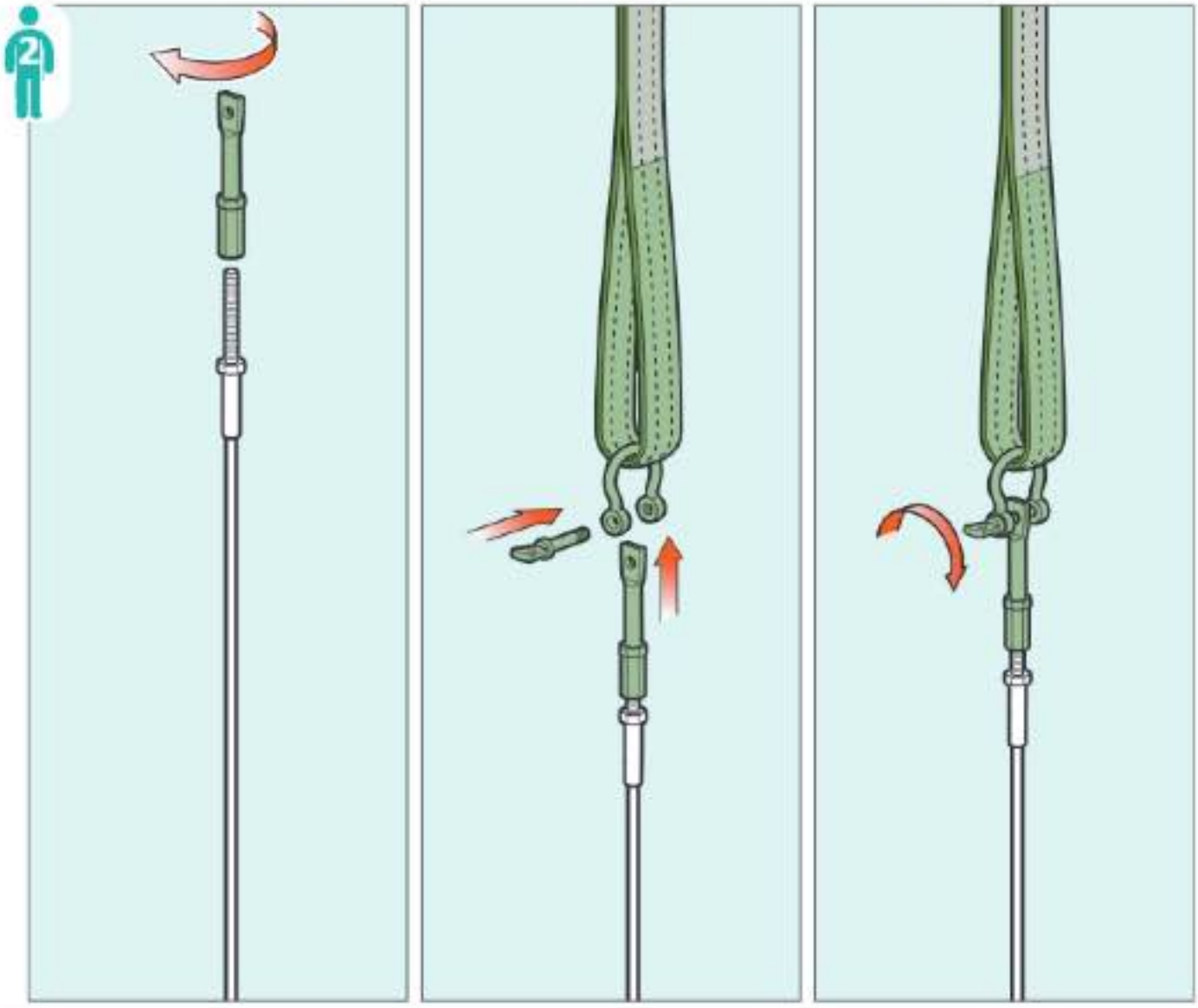


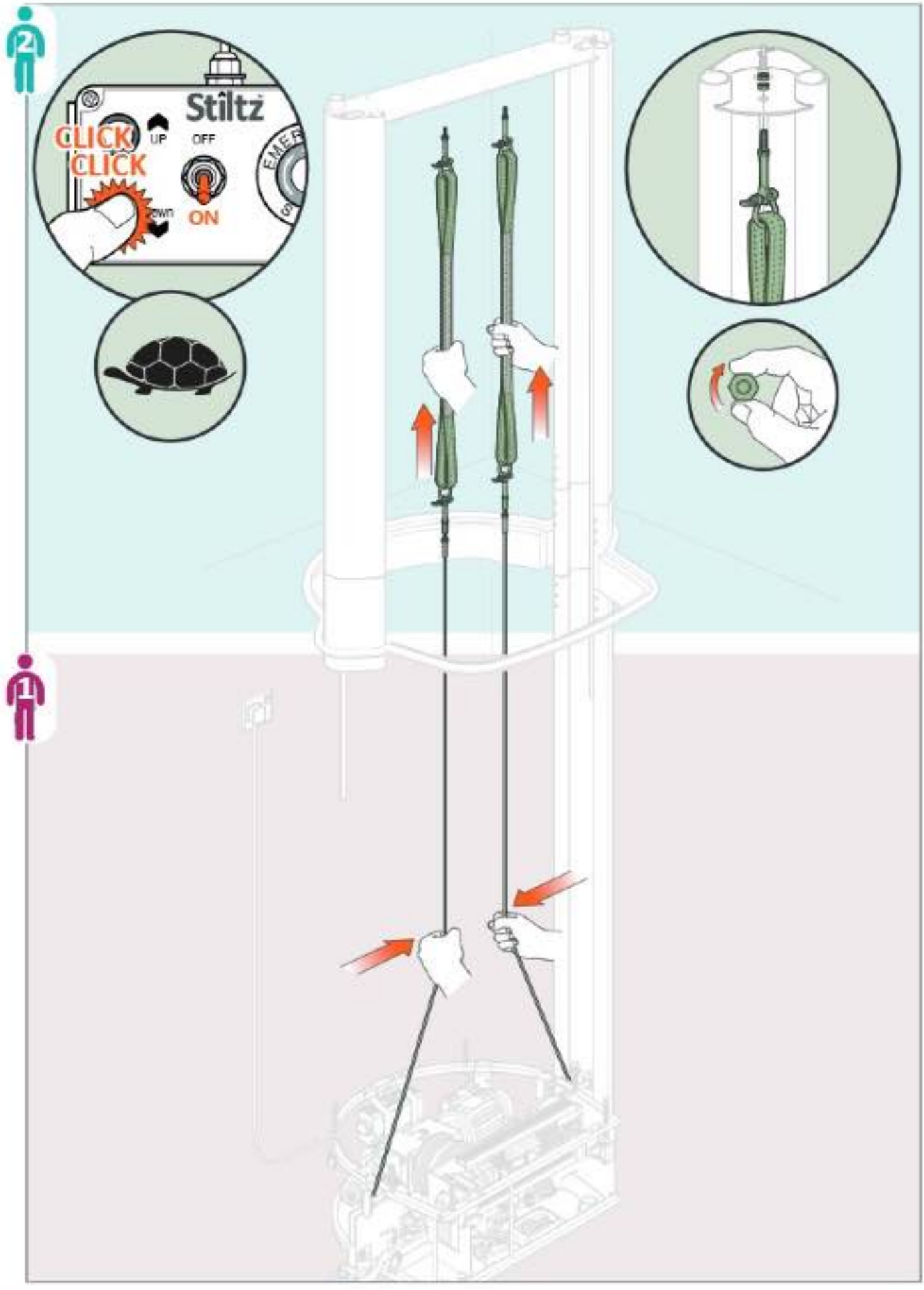



Stiltz
CLICK
CLICK
UP
OFF
ON

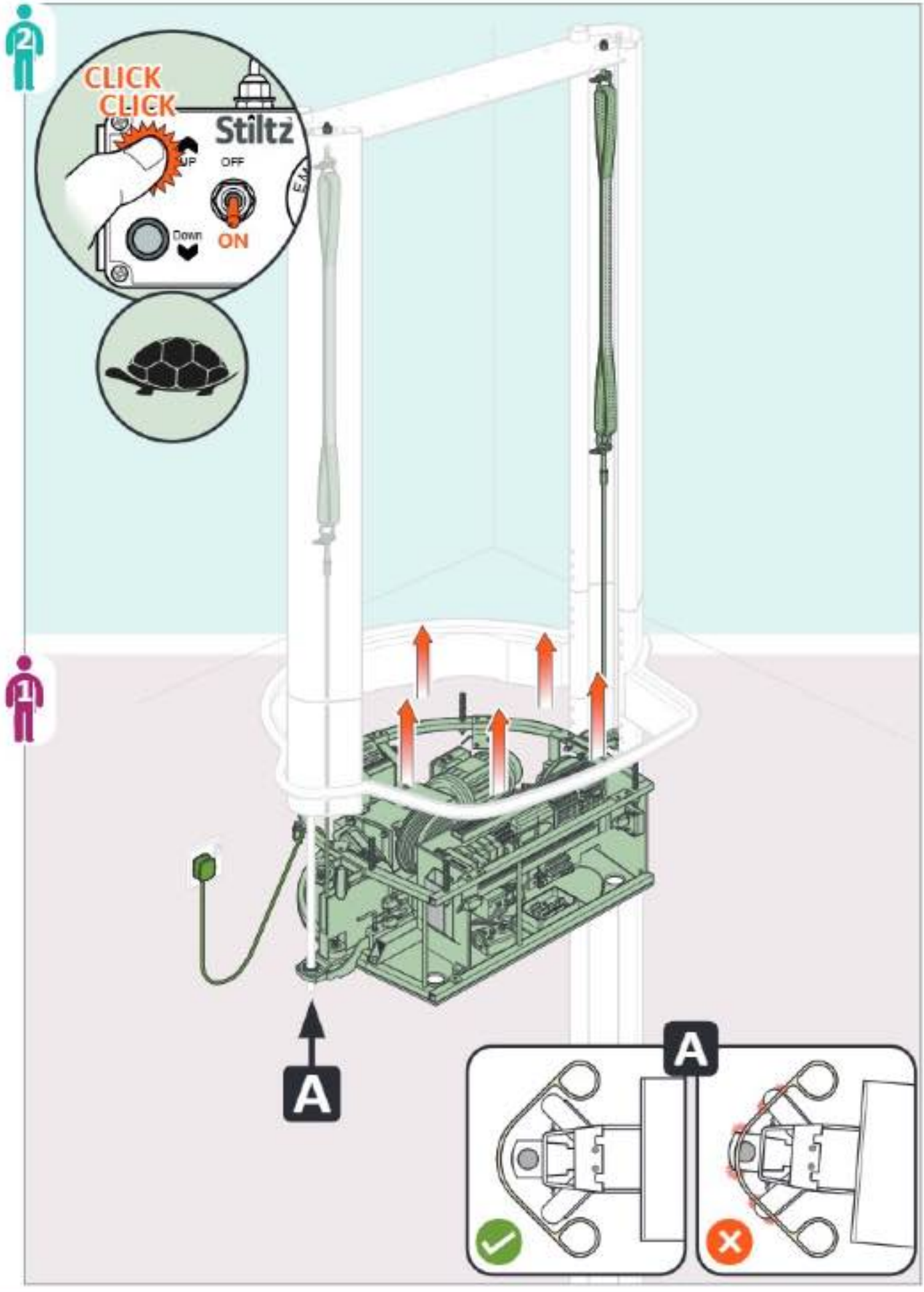
Section 4: Hoist Preparation

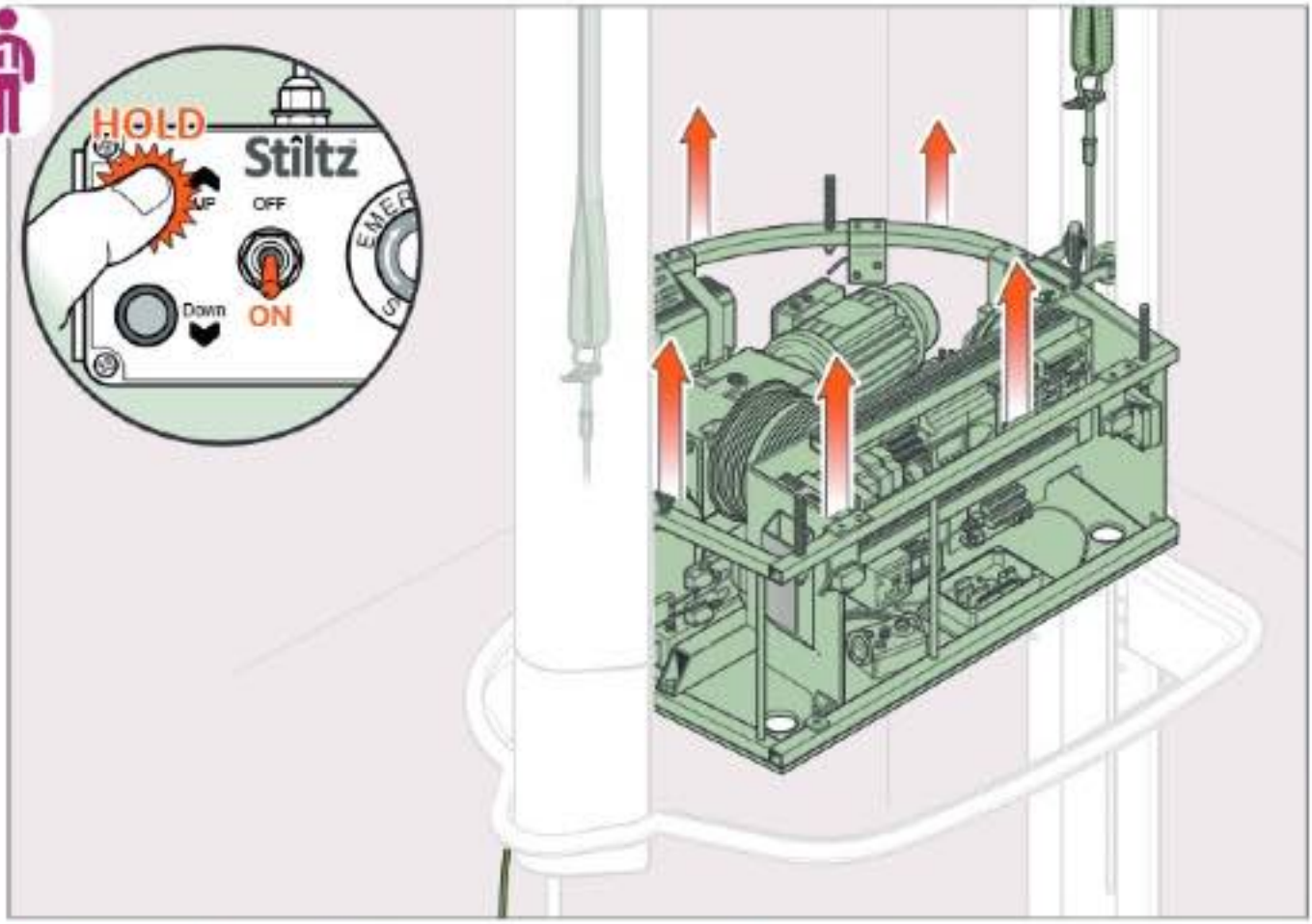


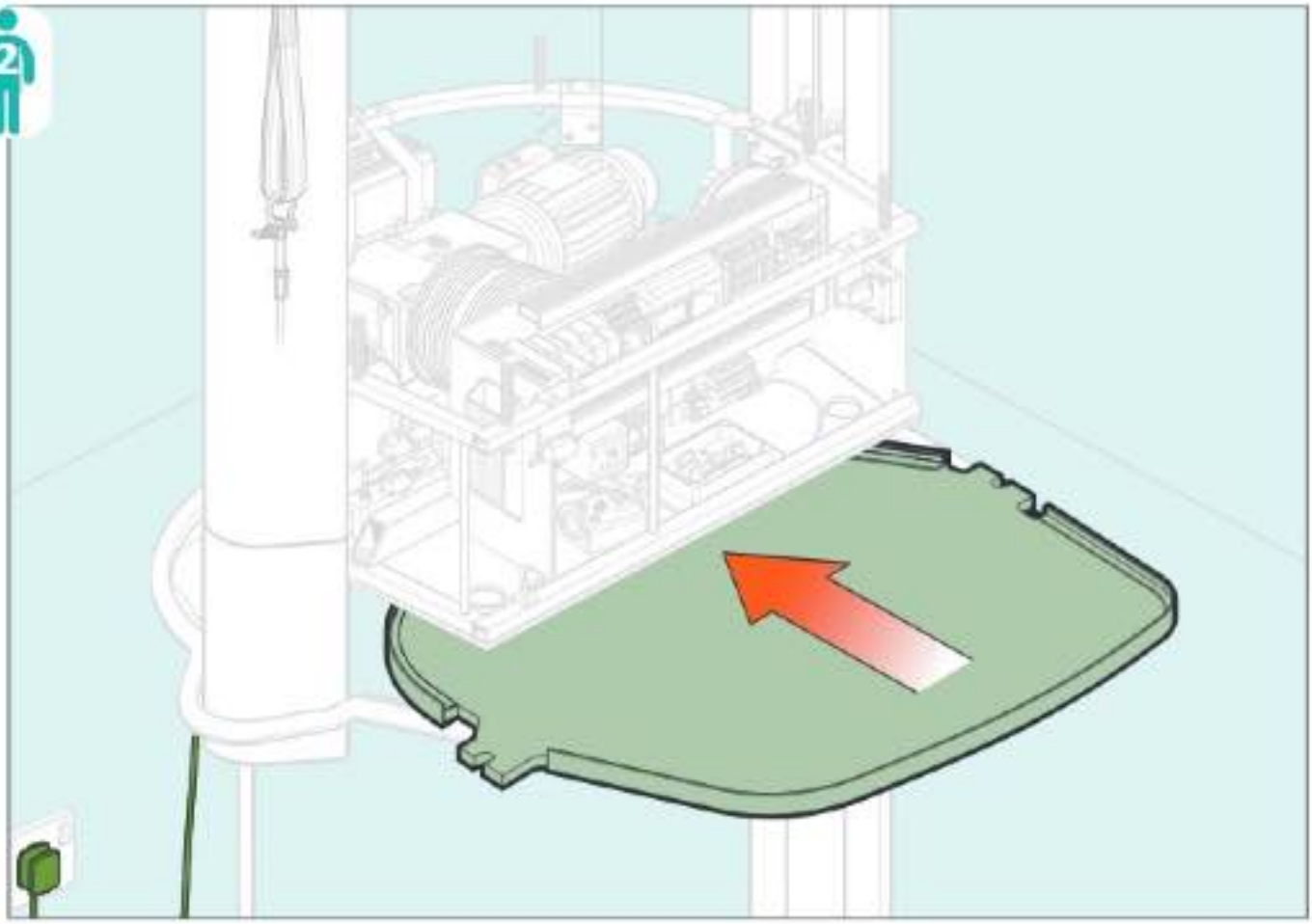



2
Stiltz
CLICK
CLICK
UP
OFF
ON

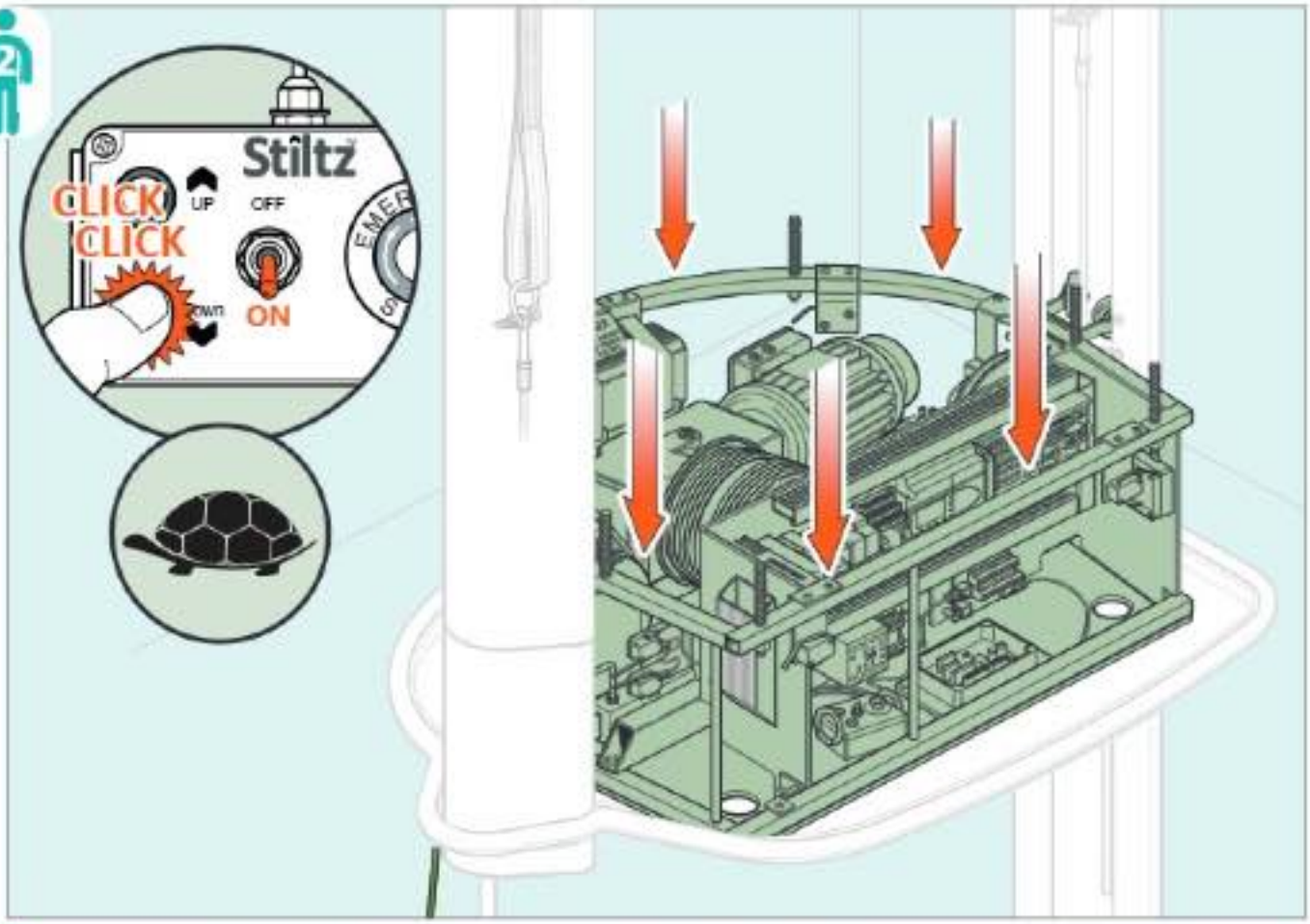
Section 4: Hoist Preparation

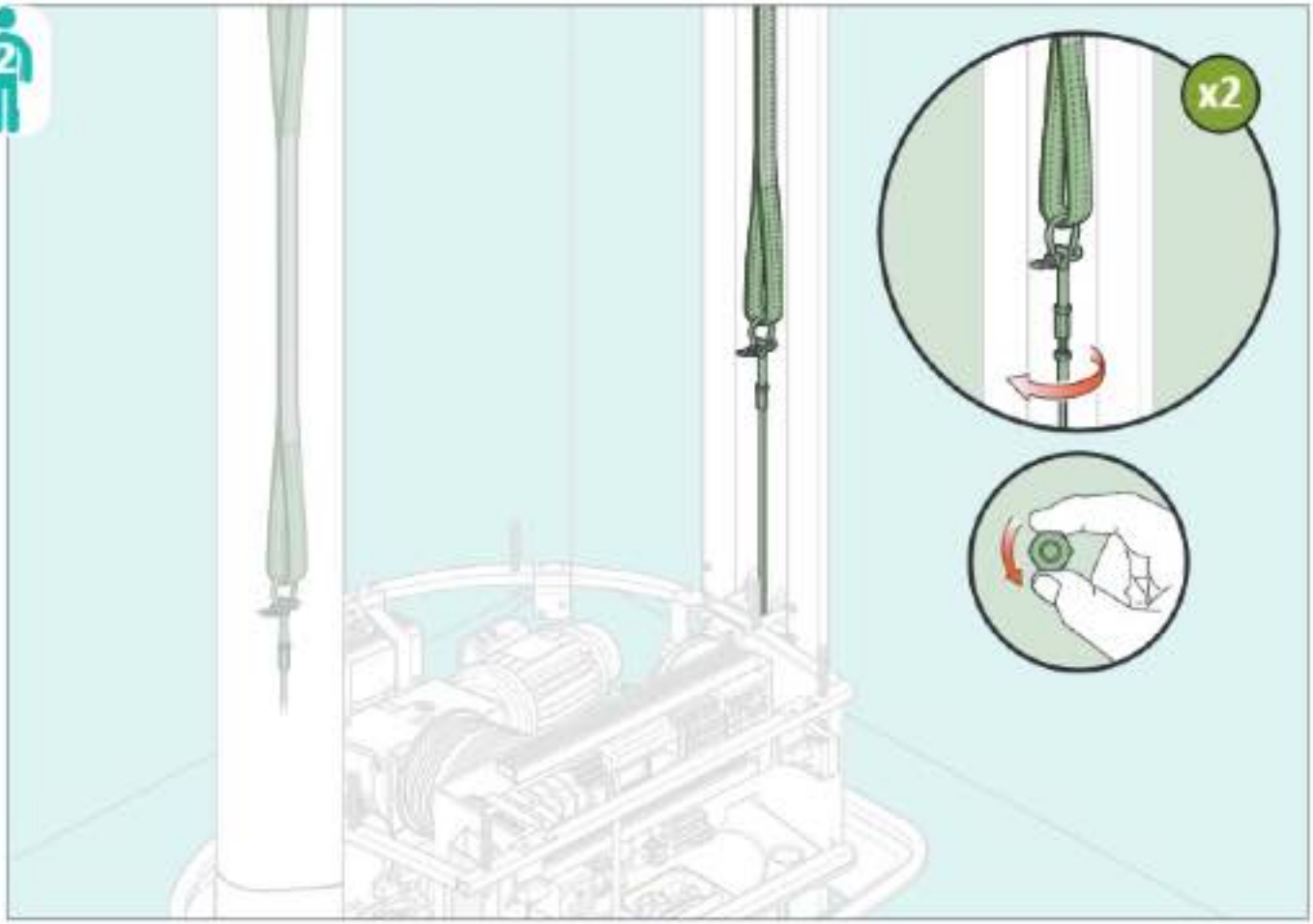


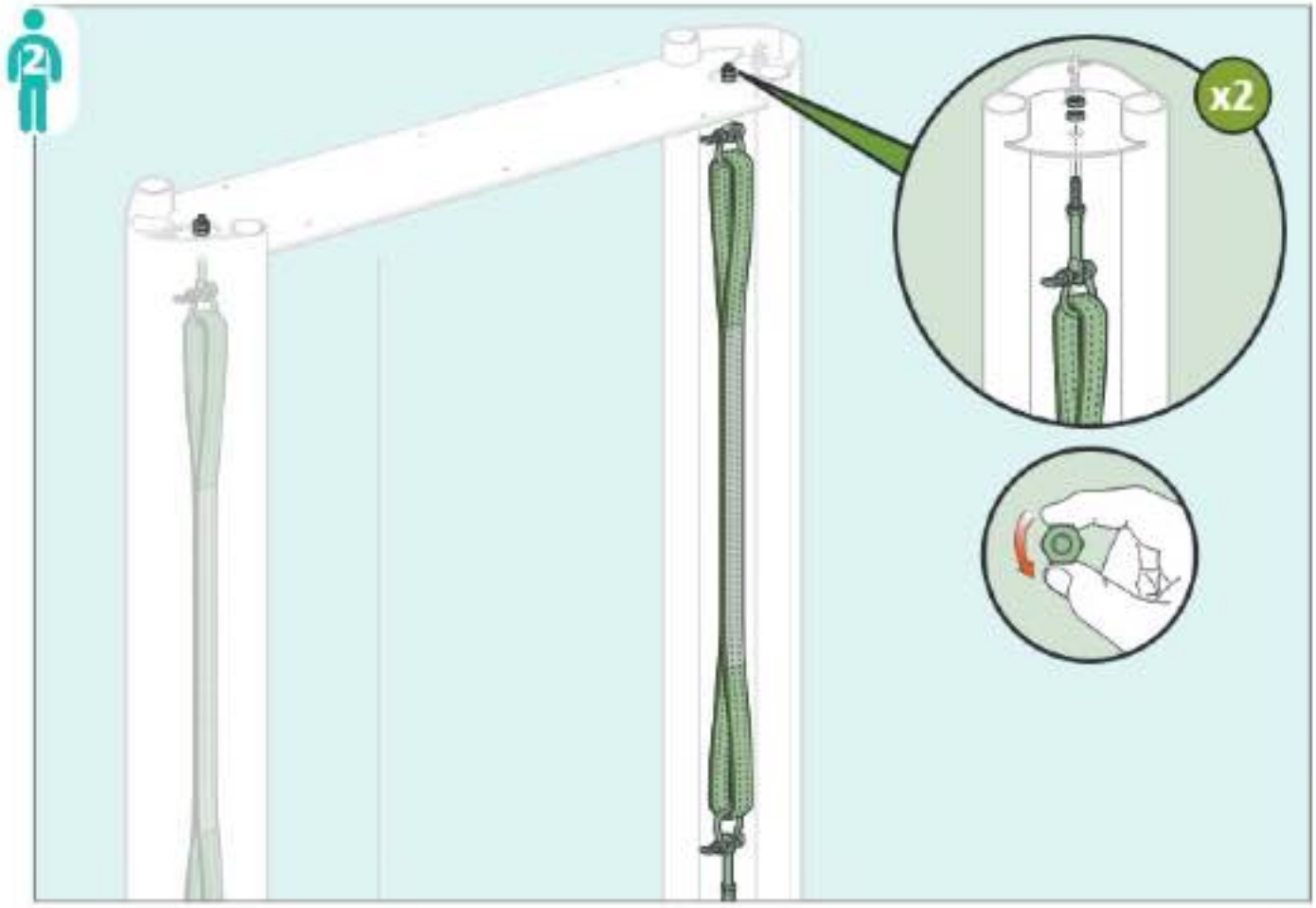

1
HOLD
Stiltz
OFF
Down
ON


2

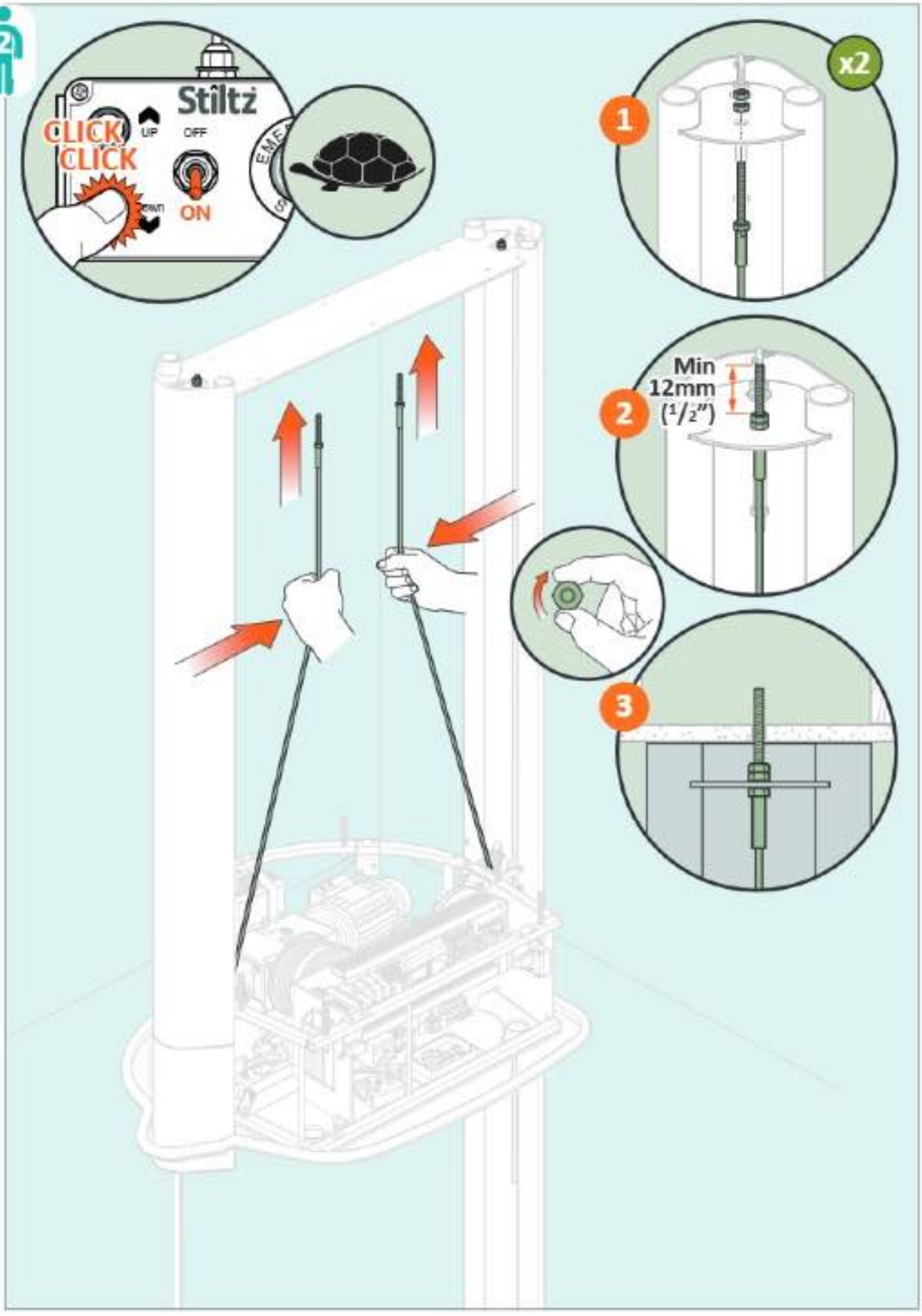
Section 4: Hoist Preparation






2
x2

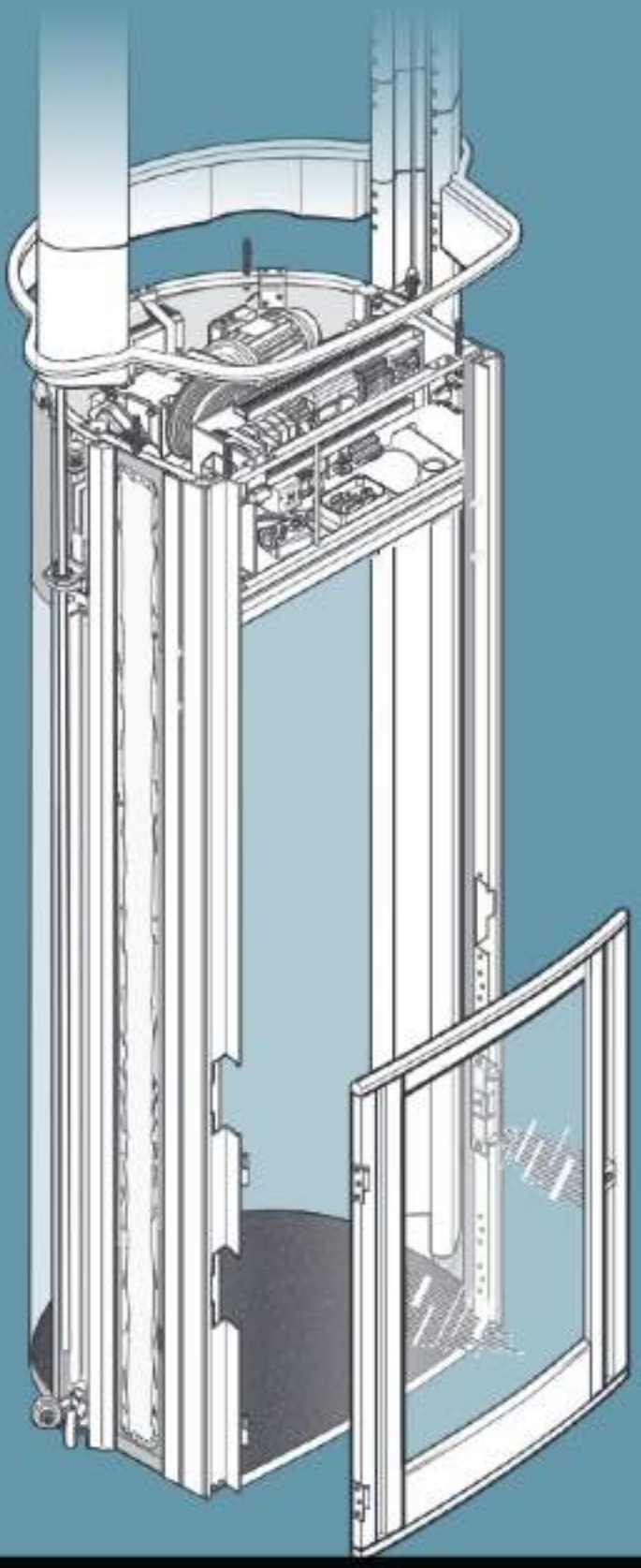
Section 4: Hoist Preparation



Installation Guidelines

Stiltz™ Homelifts

SECTION 5
Car Preparation



INSTALLATION GUIDELINES

Section 5: Car Preparation

Supplied in Installation Kit (sold separately)

30113-00048
T Type Allen Key 4mm



Tools Required

Socket Wrench + Sockets



Power Drill



Allen Keys (Metric)



Cross Screwdriver



Spanners



Stanley Knife

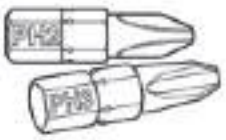
x2



Steps



PH2 +PH3 Bits



Long Nose Pliers

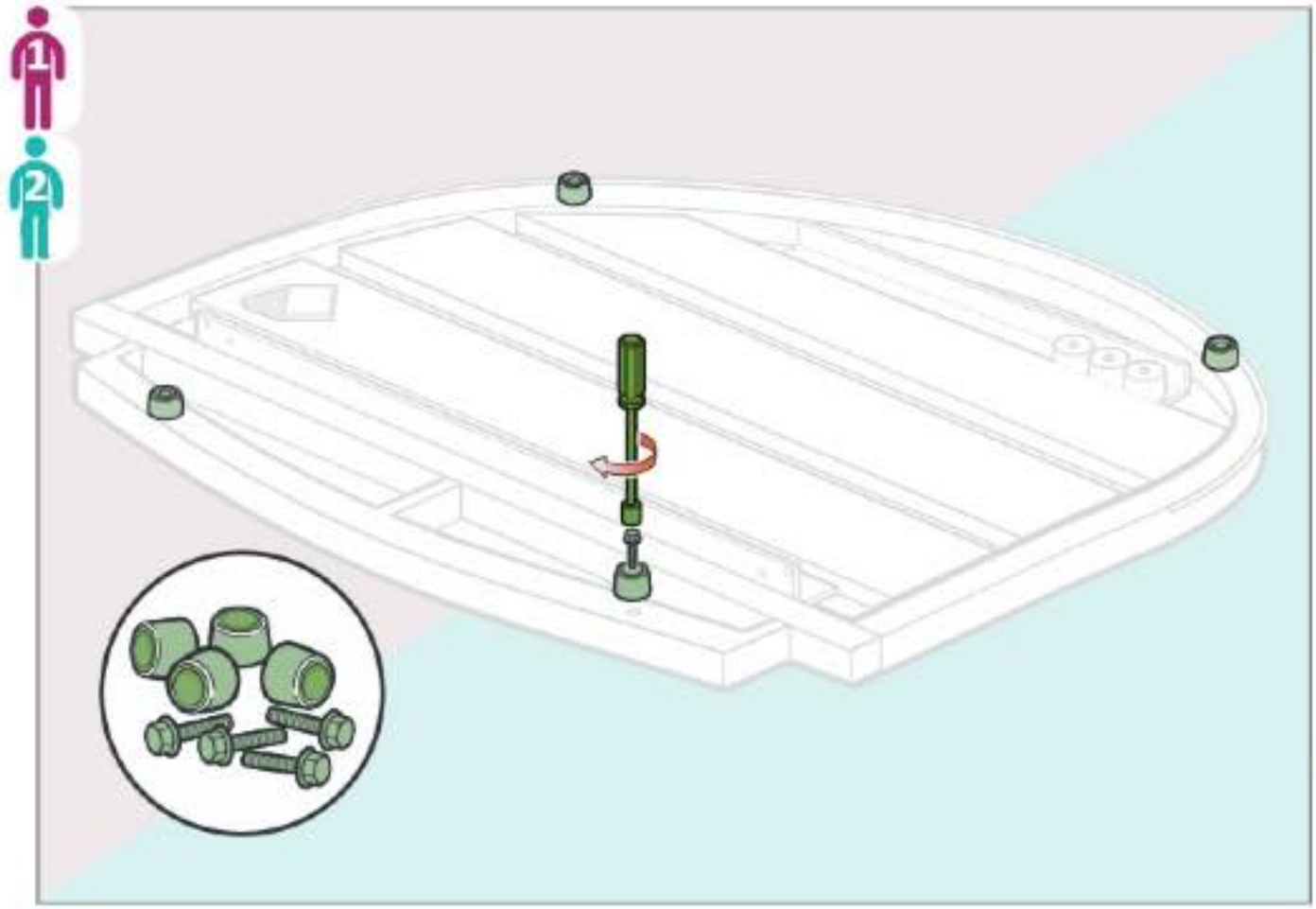


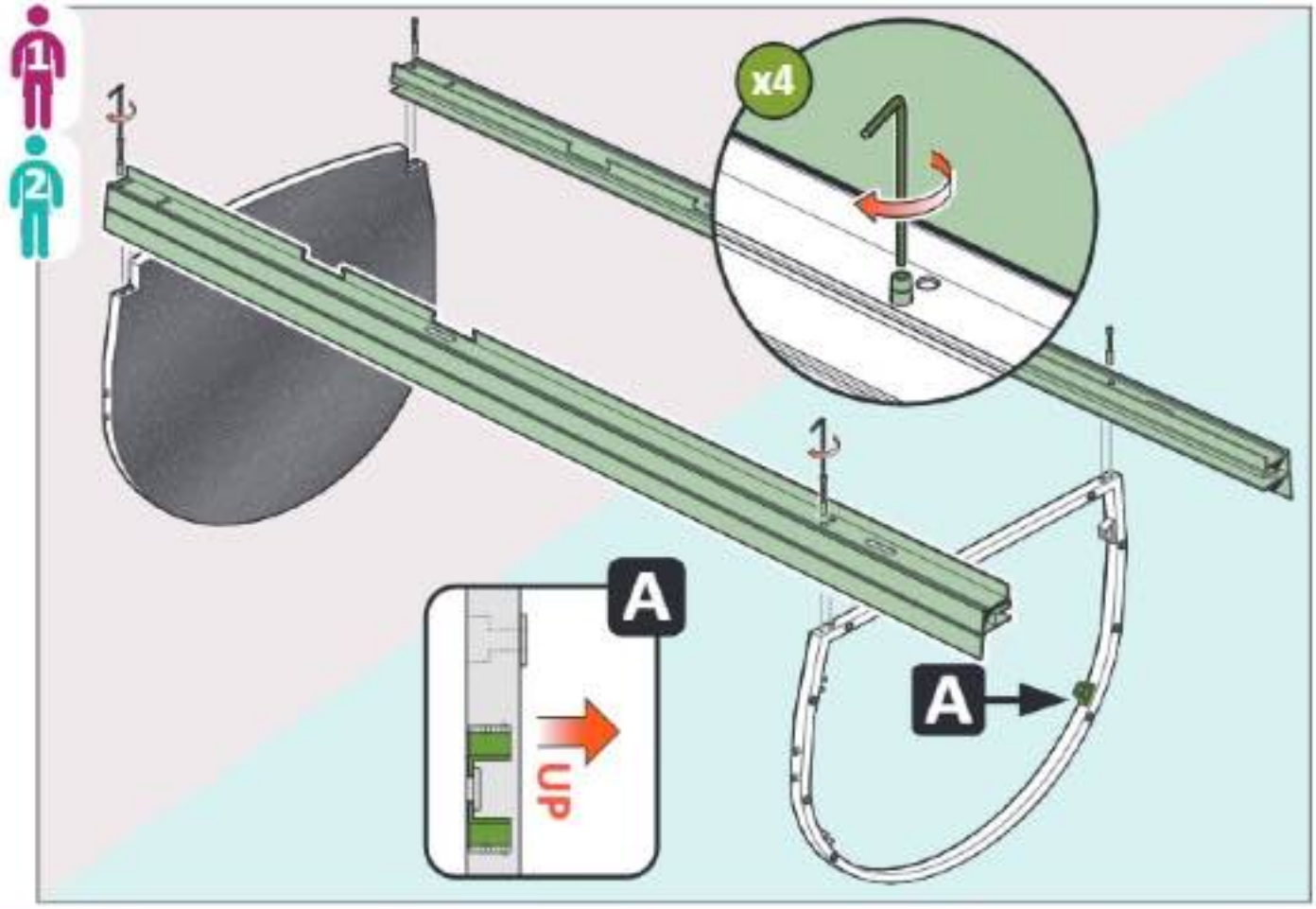
Socket Wrench Extension



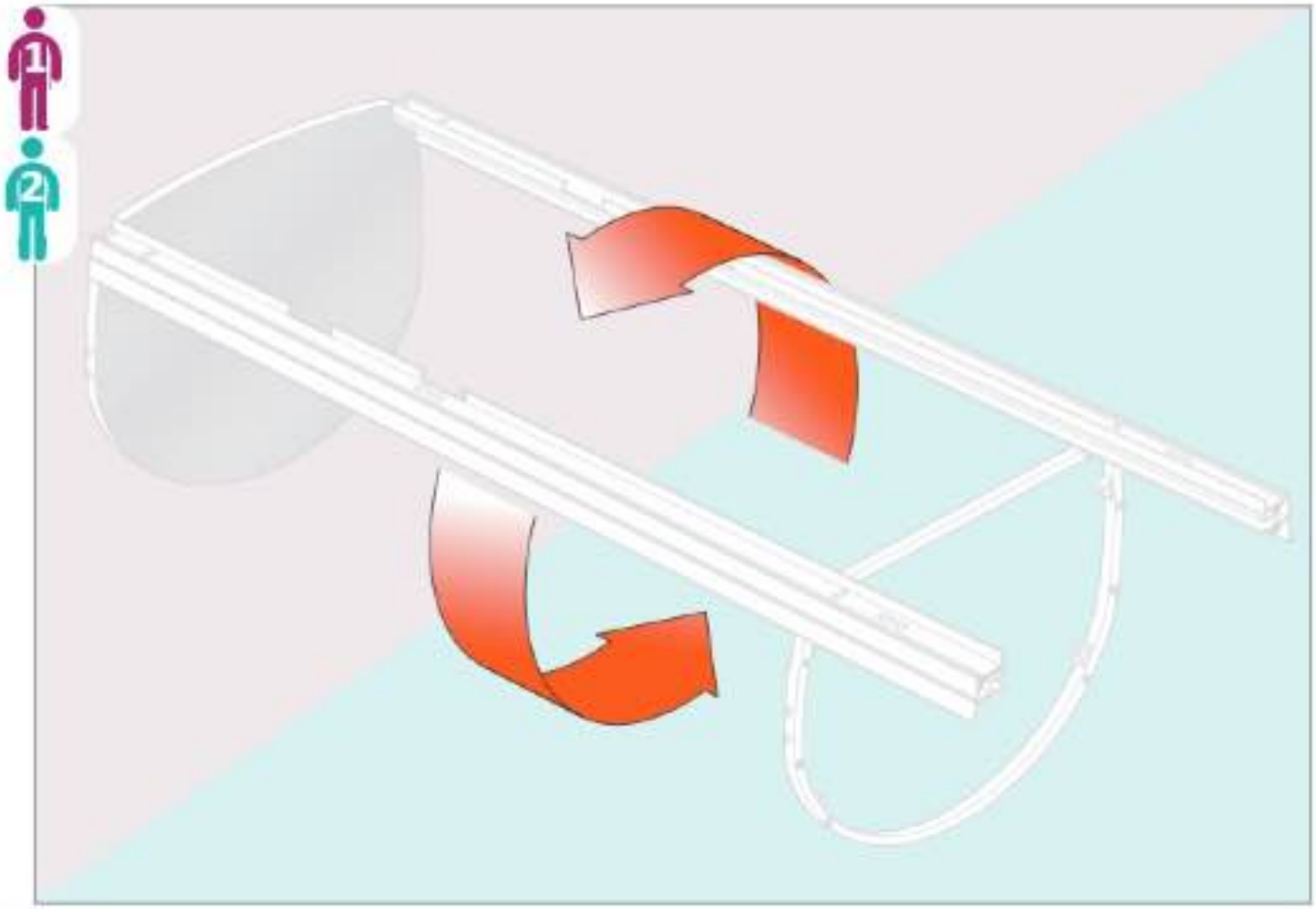
Nut Drivers

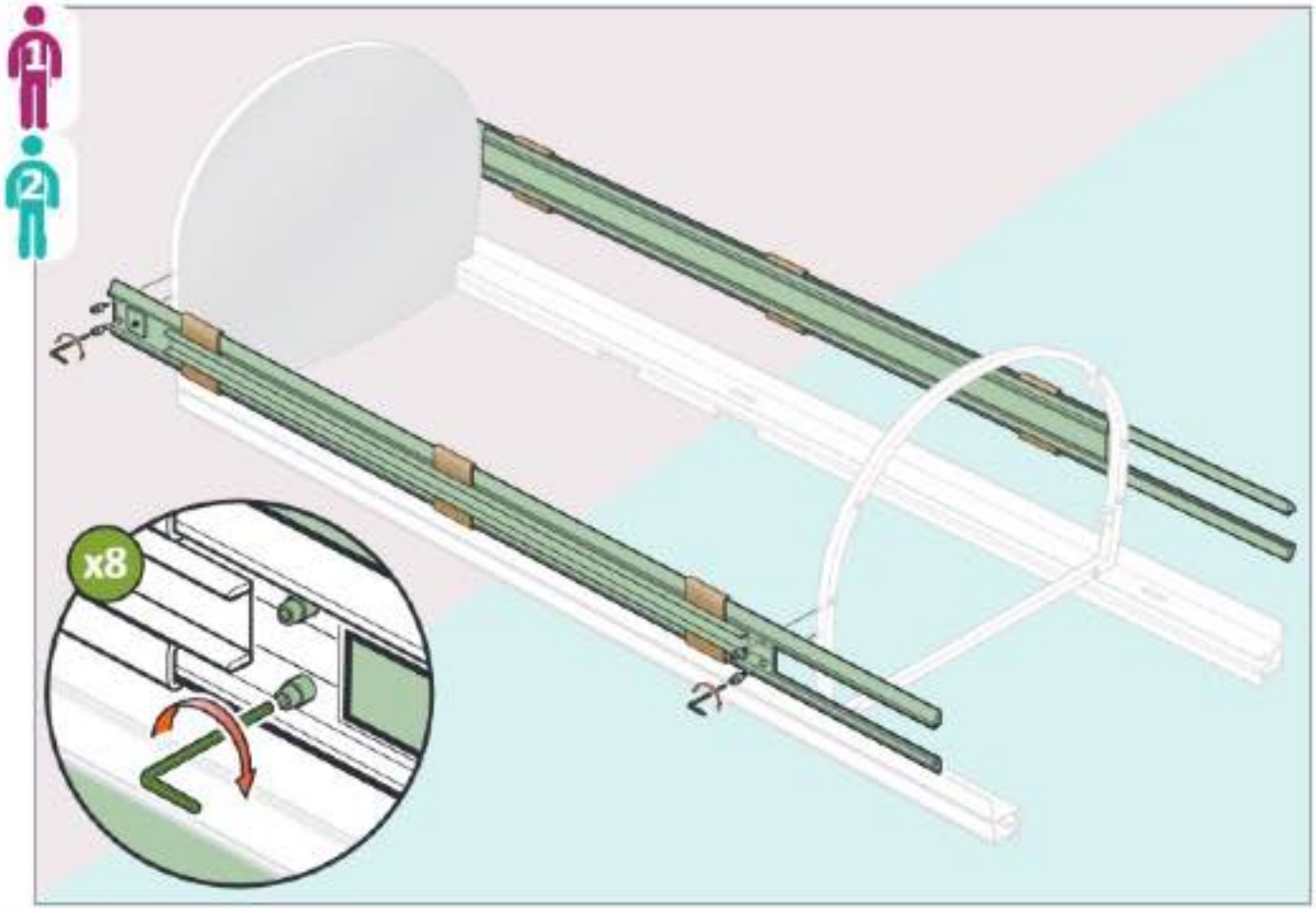


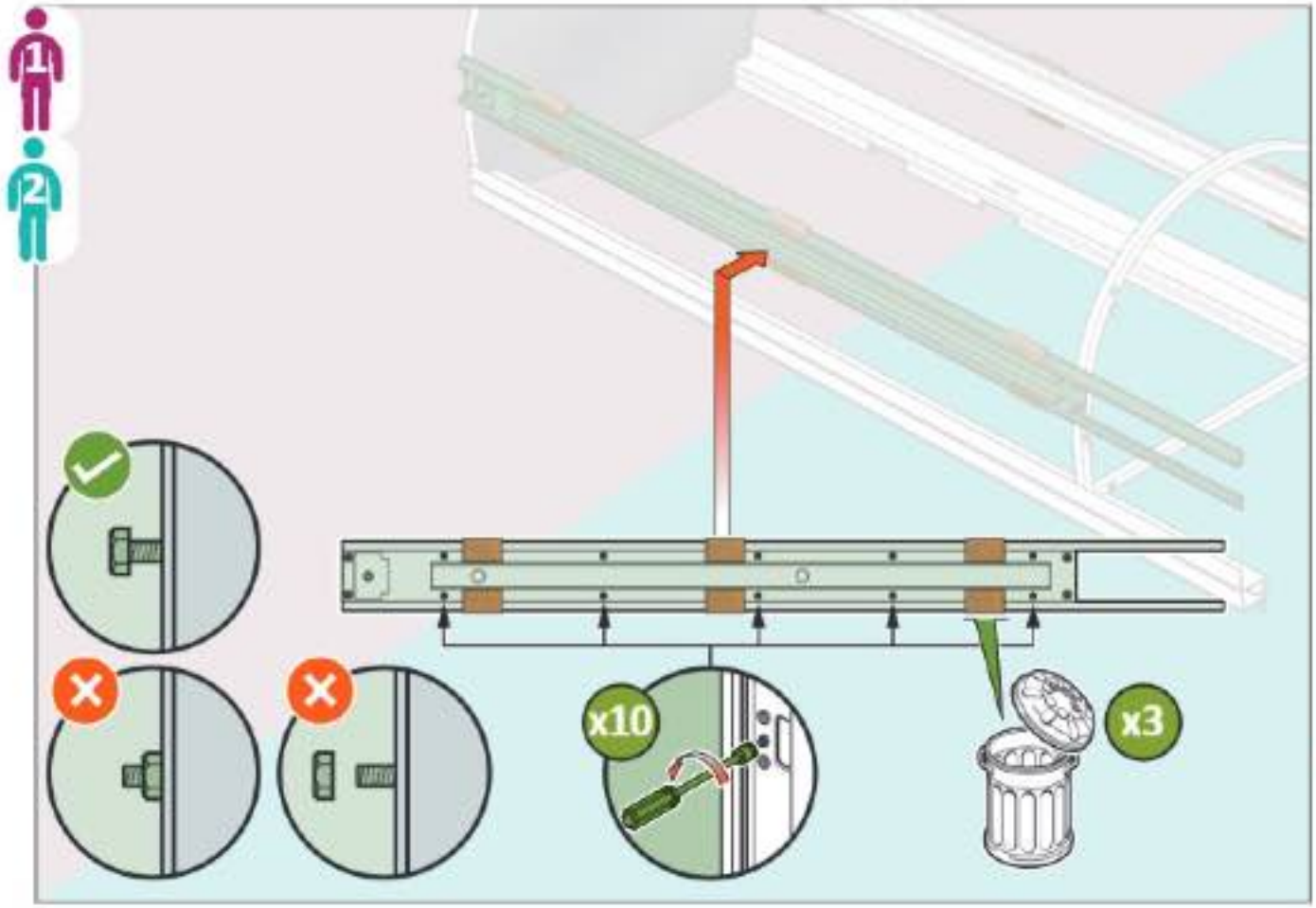



x4
A
UP
A

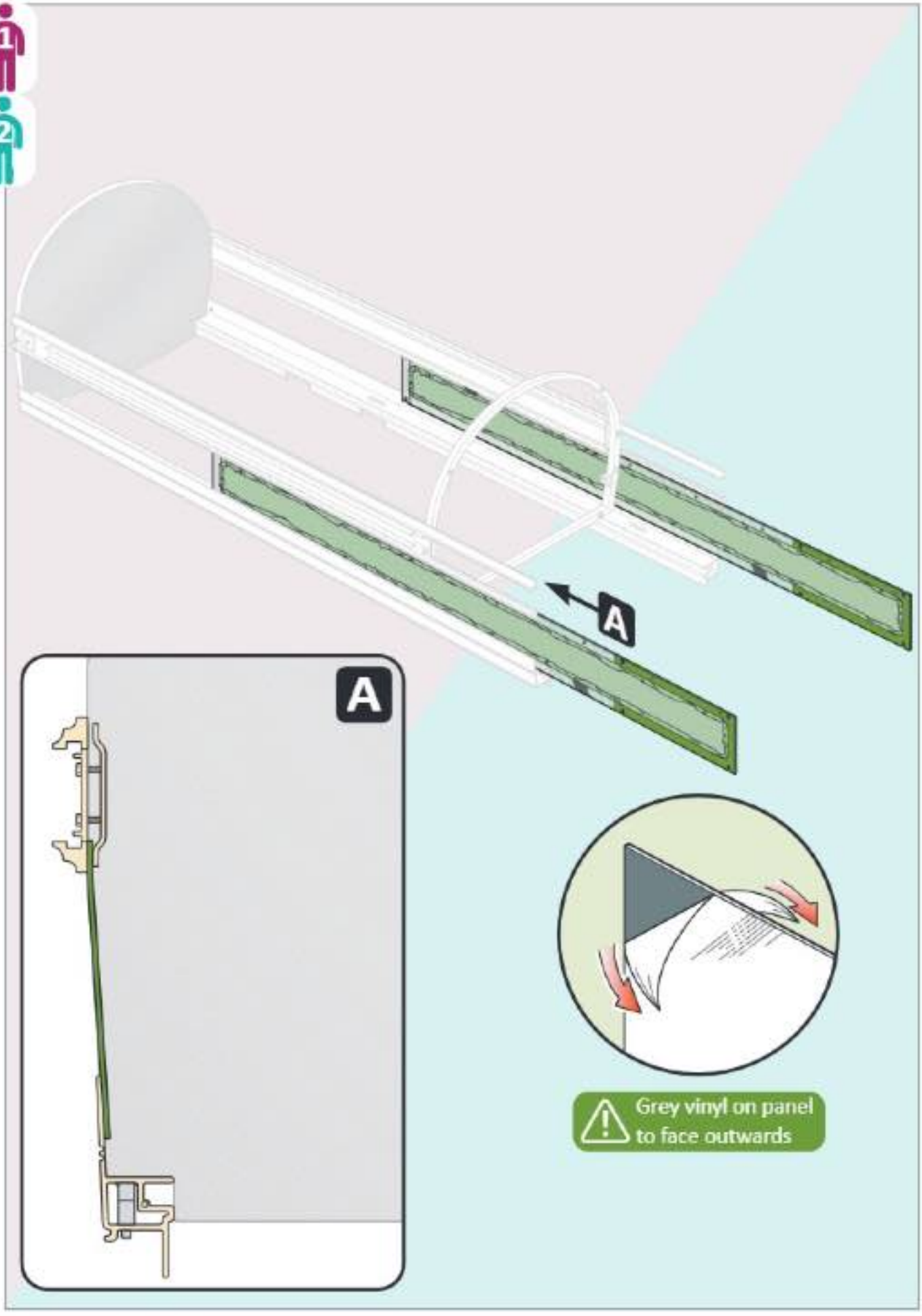
Section 5: Car Preparation

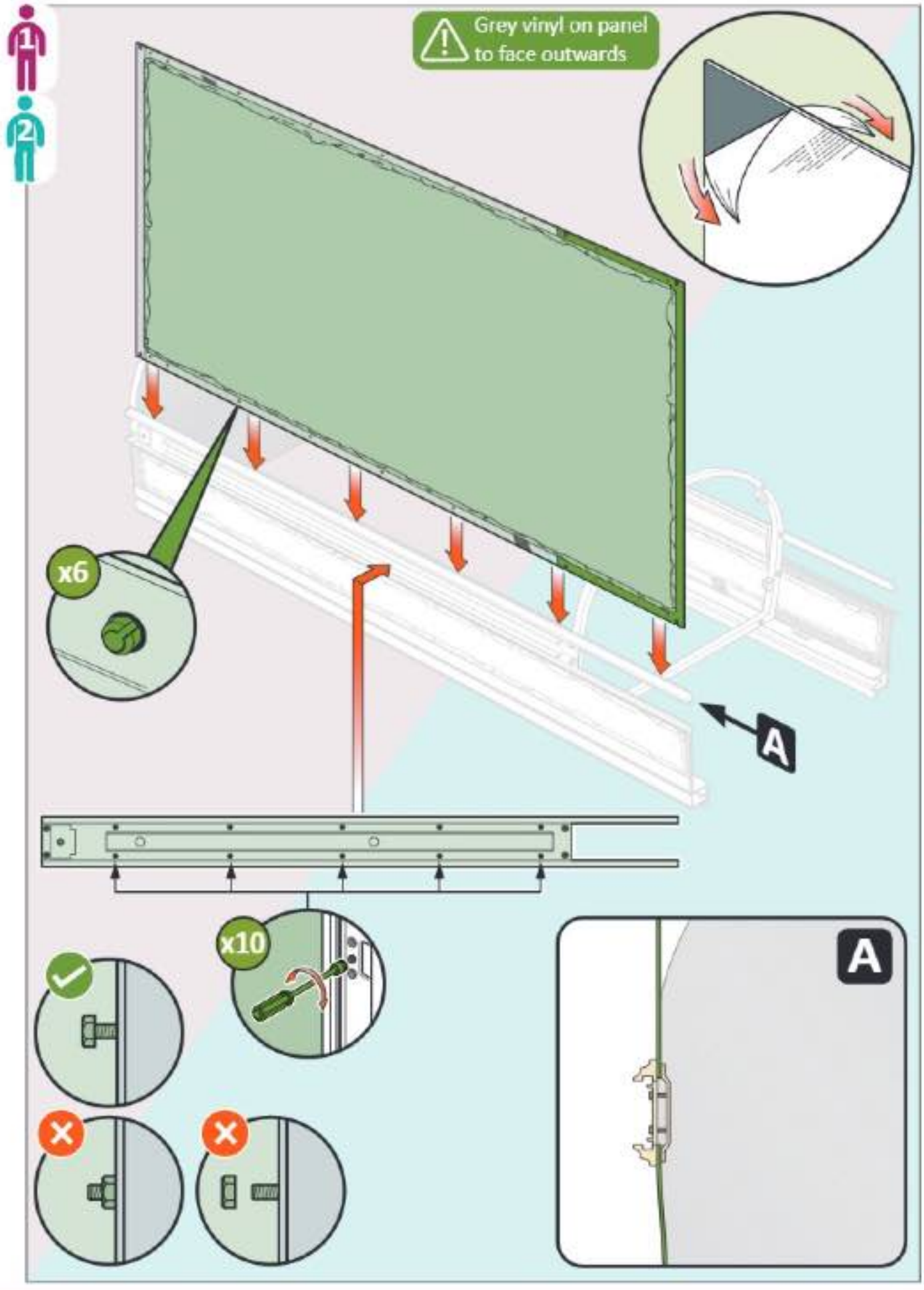




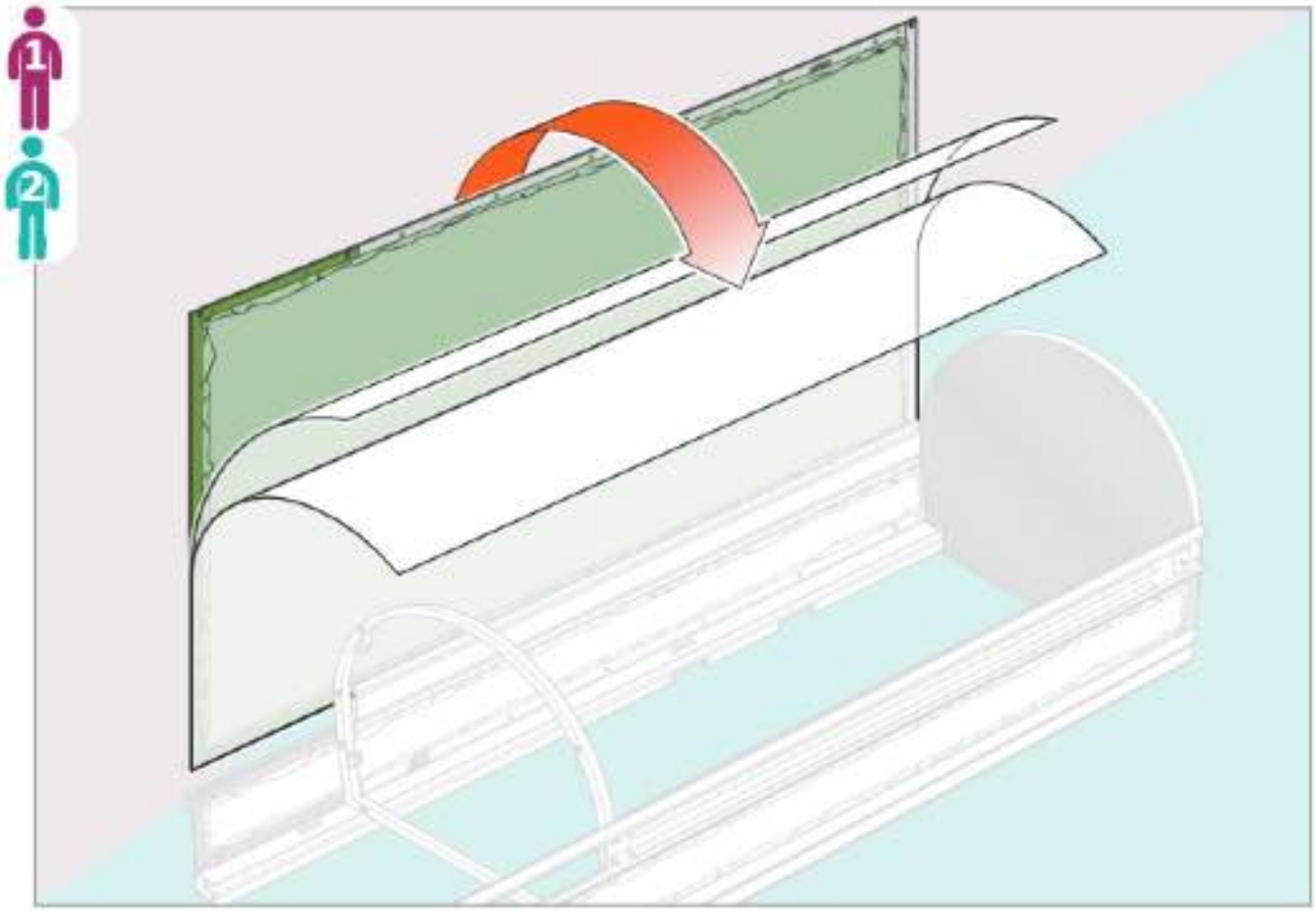

1
2
x10
x3

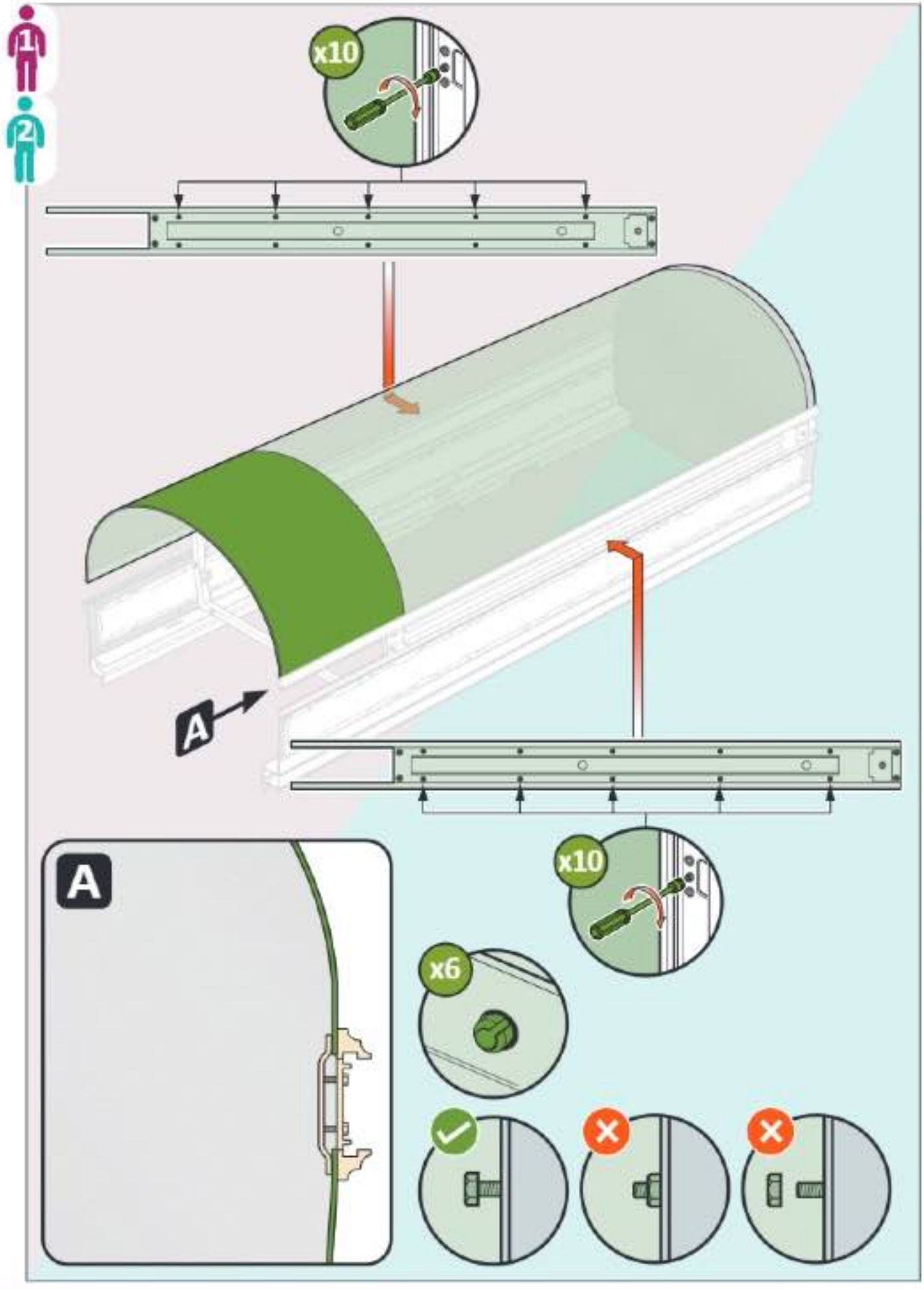
Section 5: Car Preparation



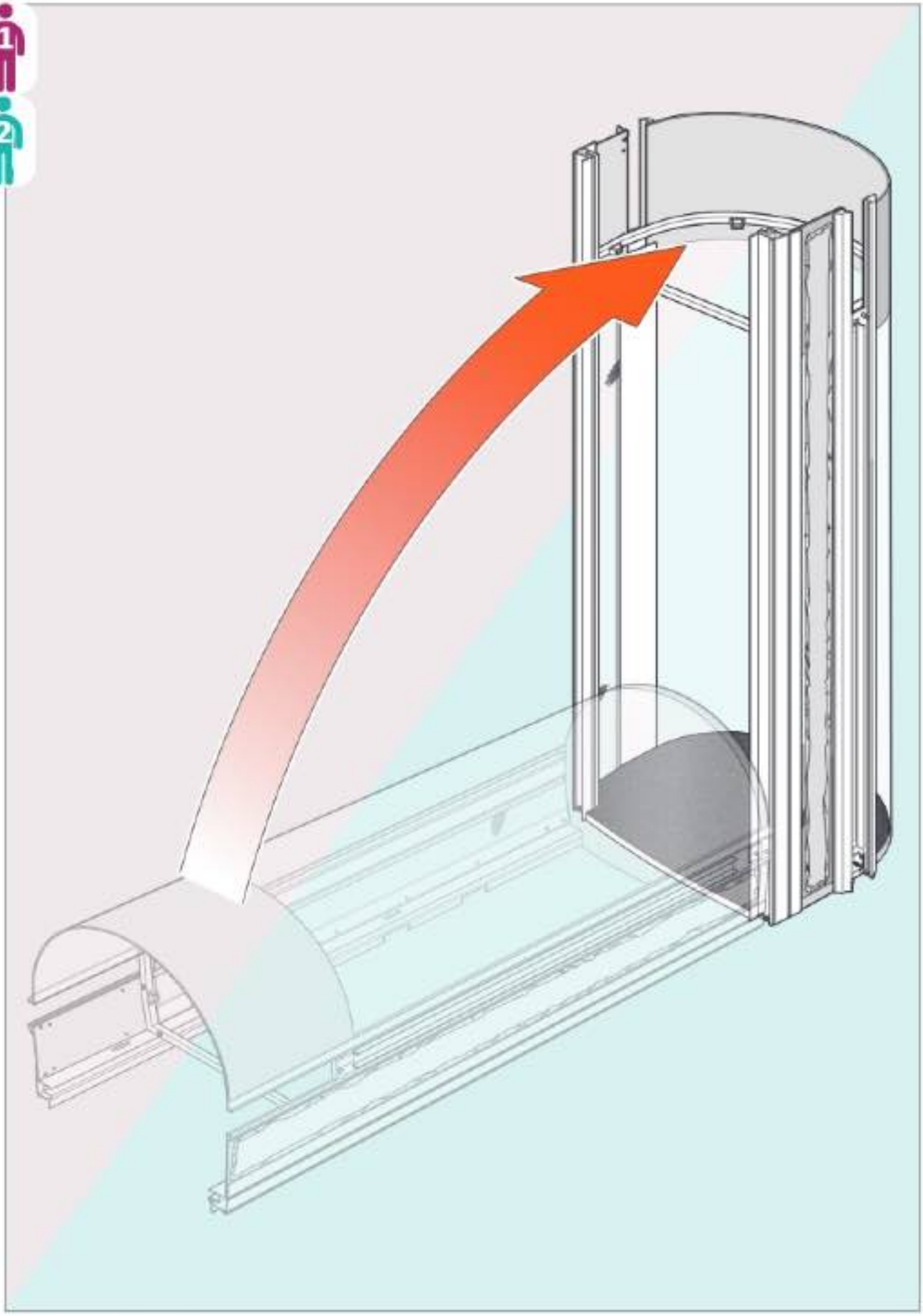

1
2
Grey vinyl on panel to face outwards
x6
A
x10
A

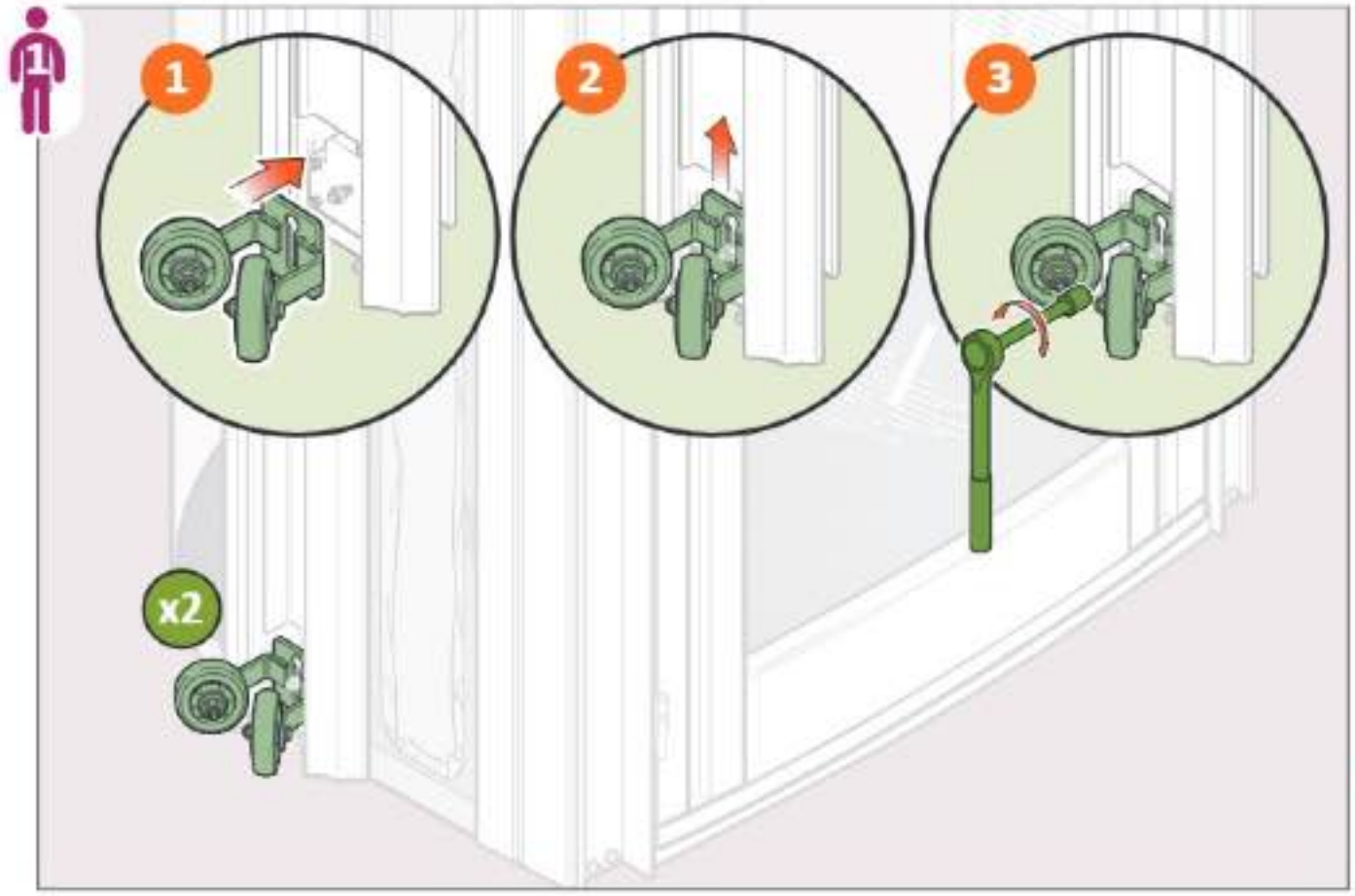
Section 5: Car Preparation



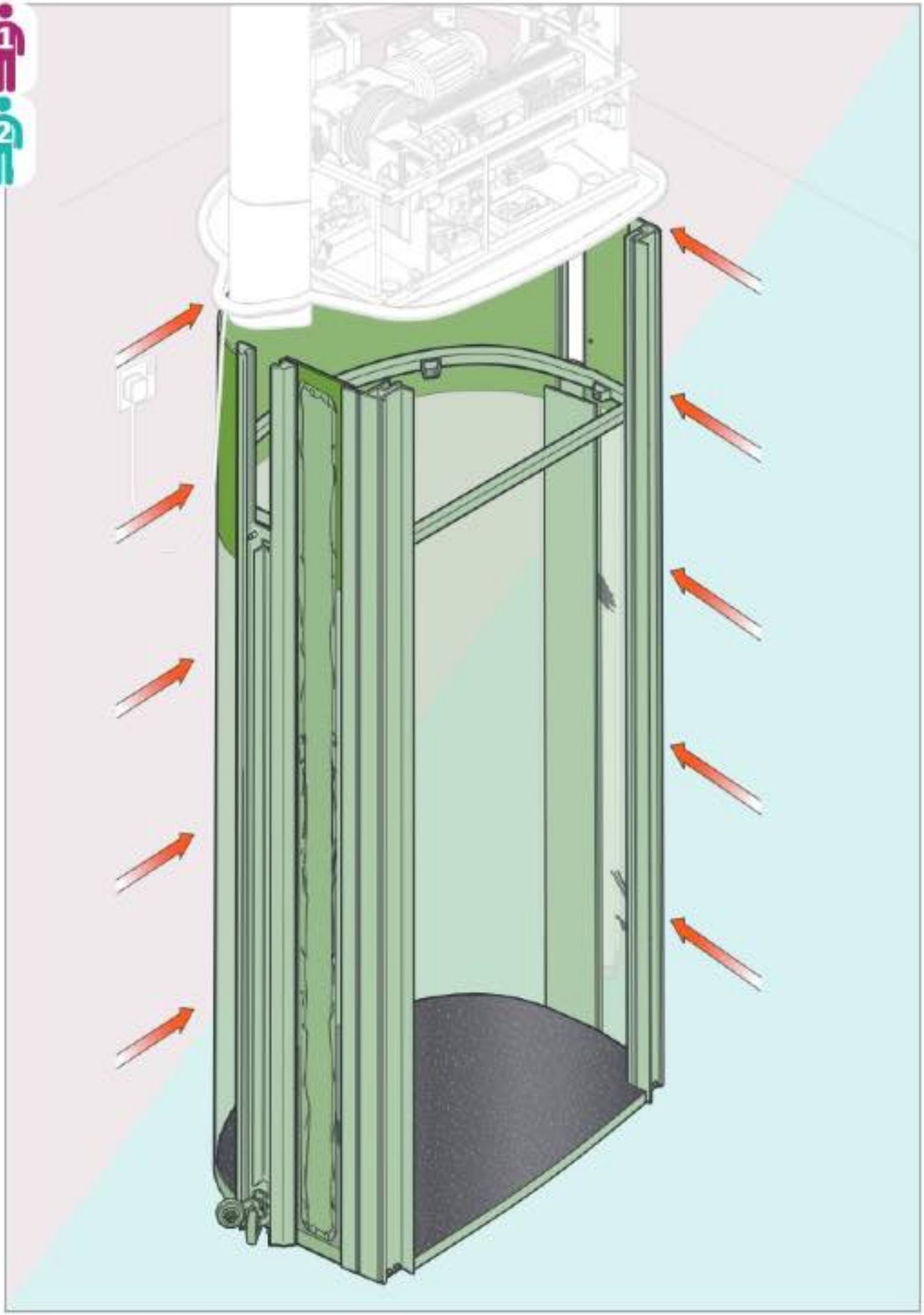

1
2
x10
A
A
x10
x6

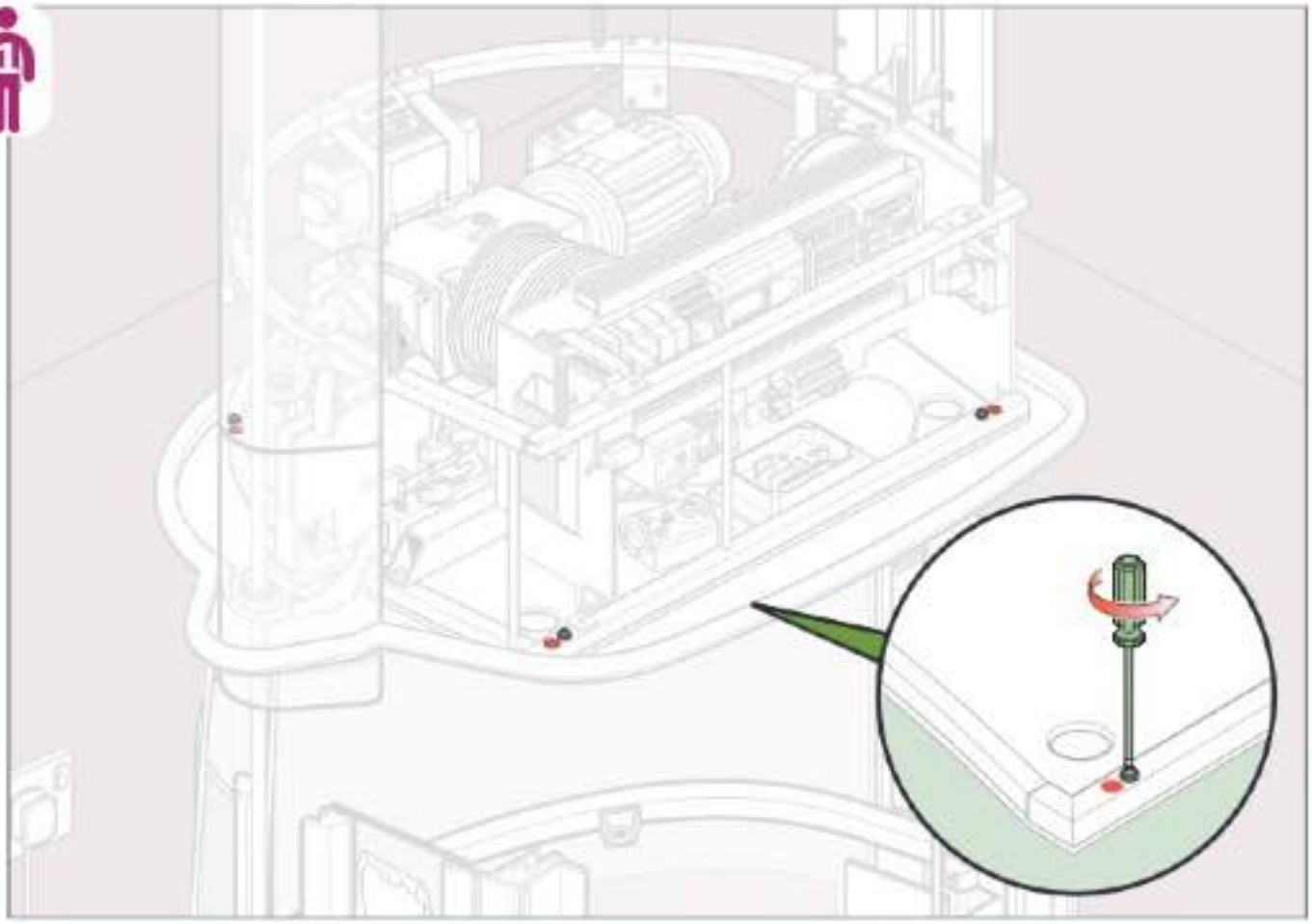
Section 5: Car Preparation

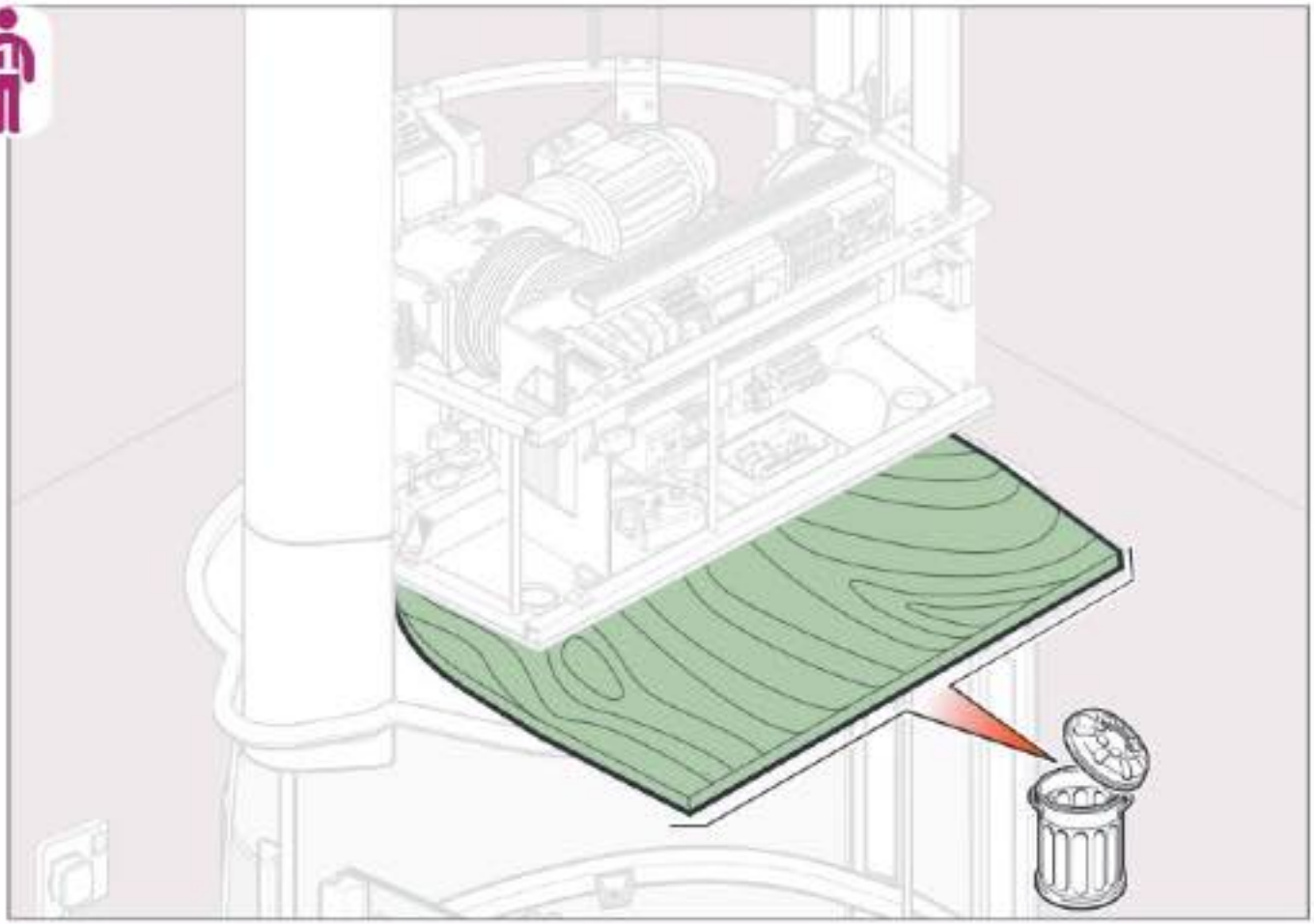



1
2
3
x2

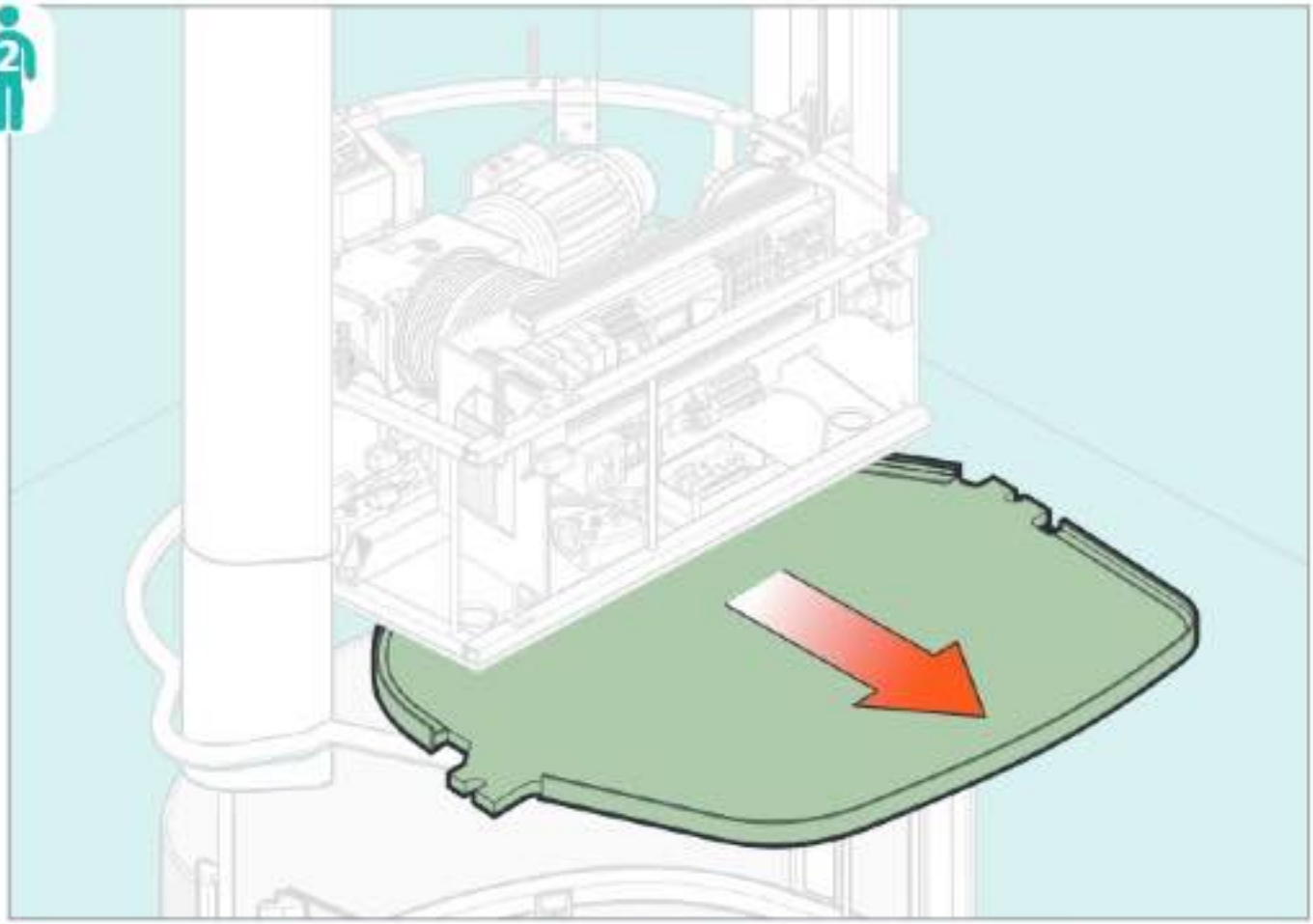
Section 5: Car Preparation

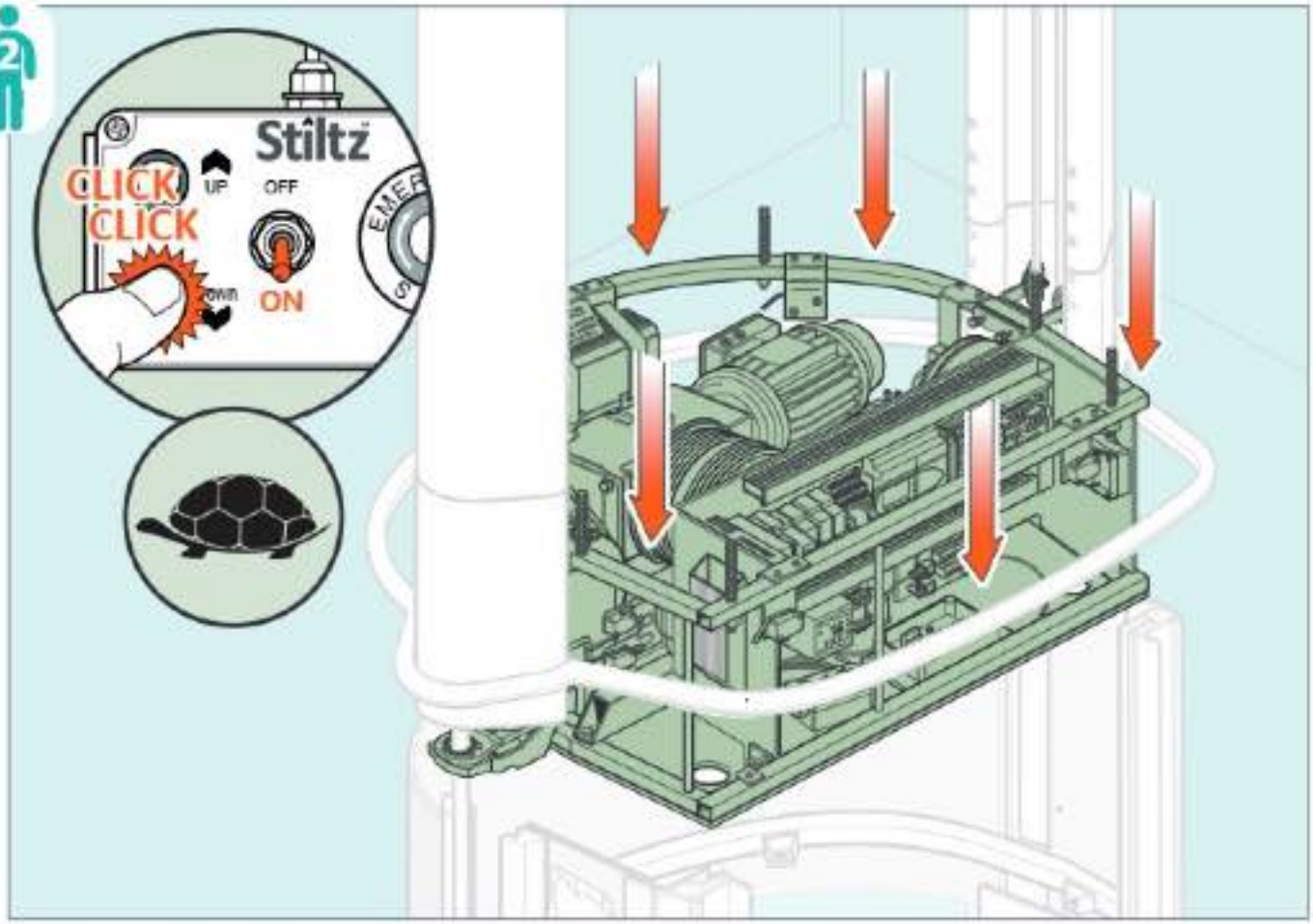


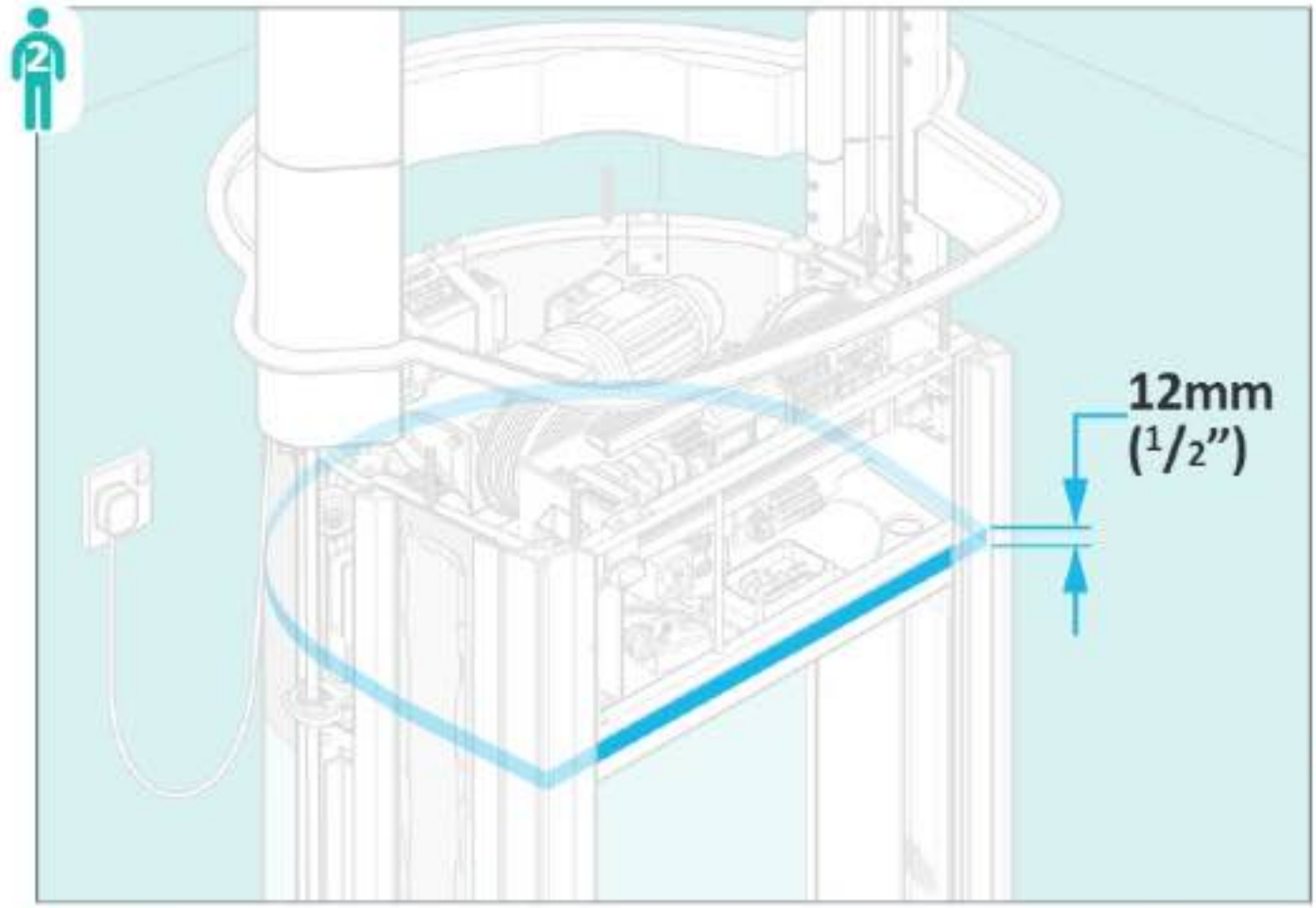


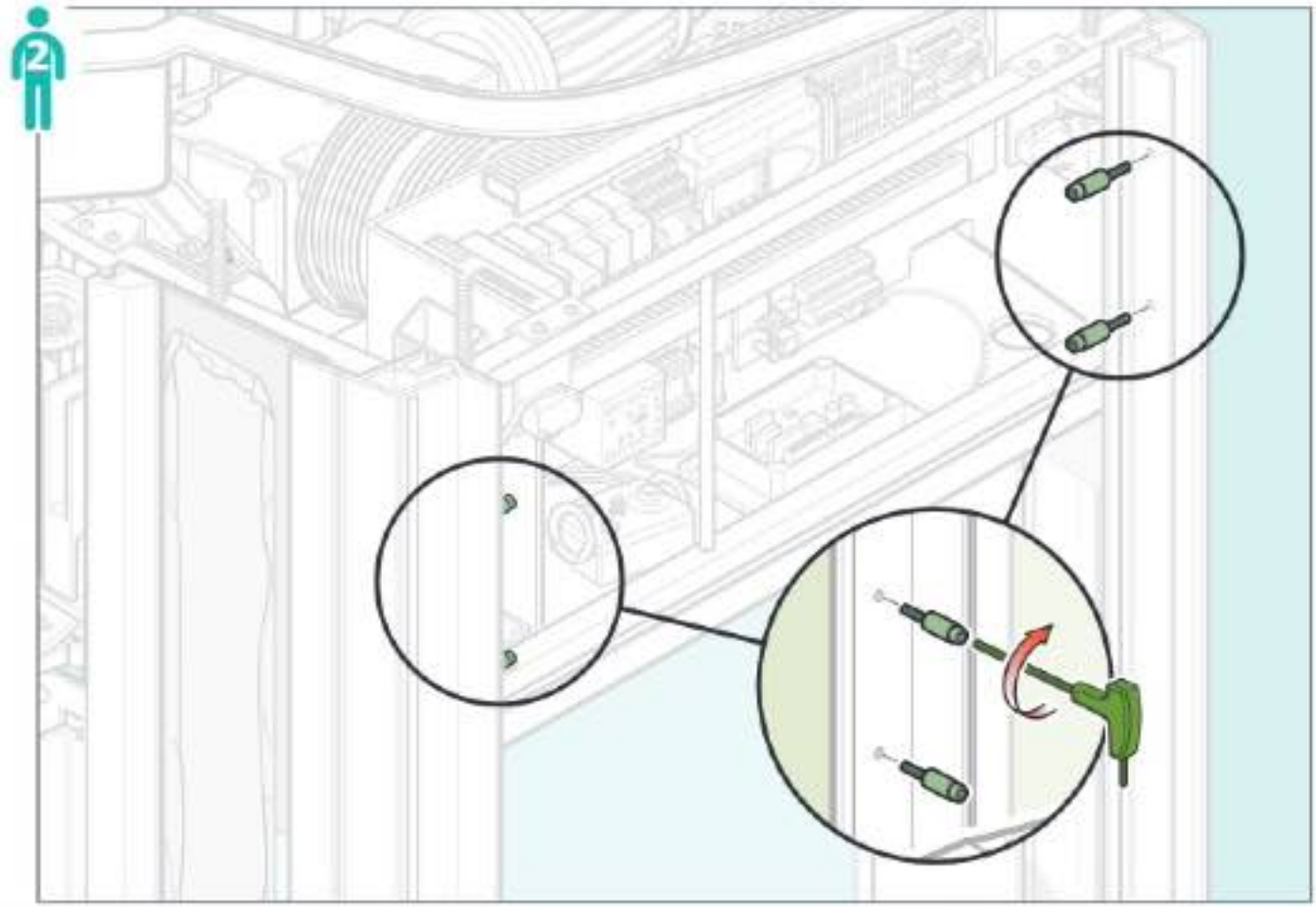


Section 5: Car Preparation

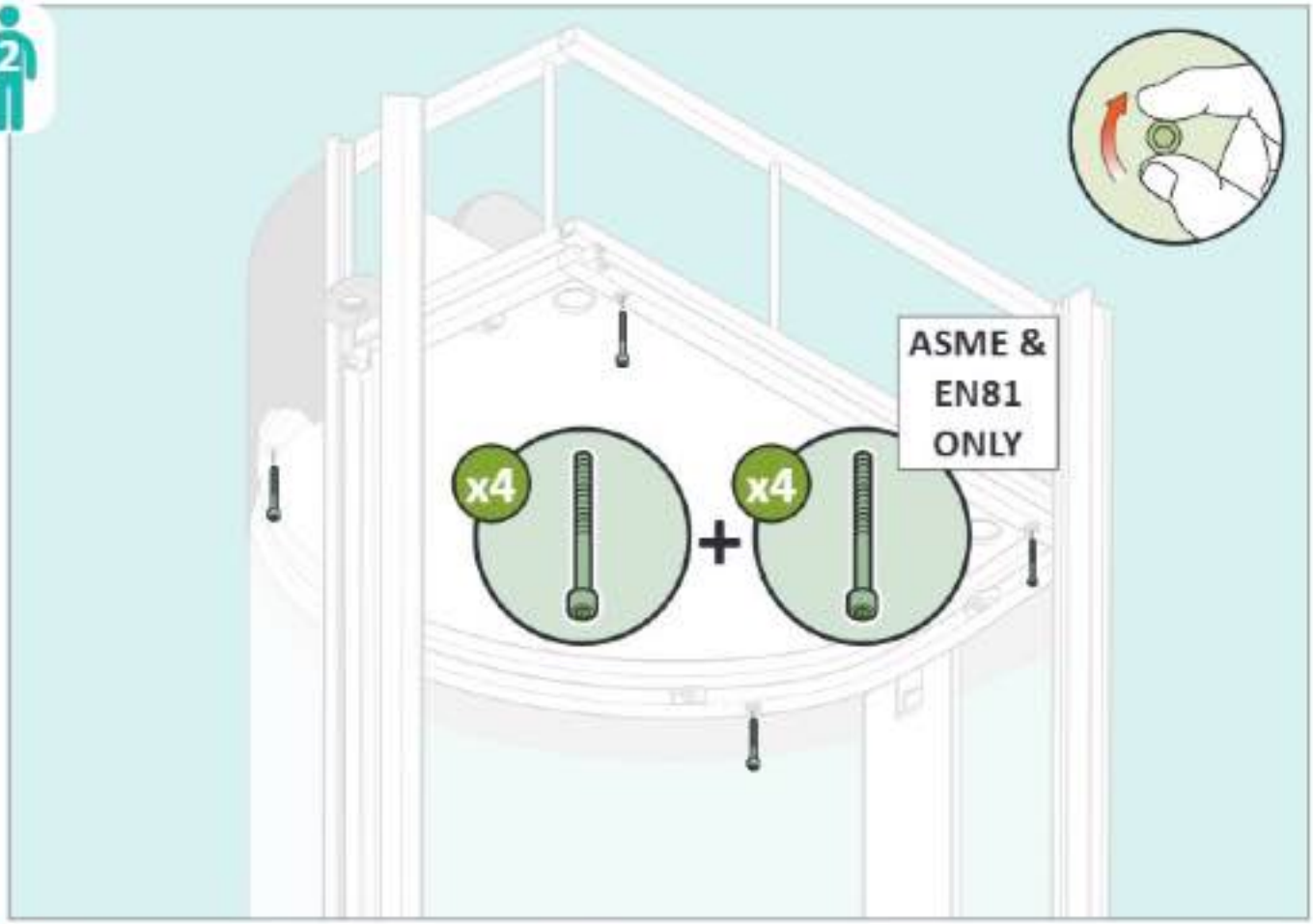


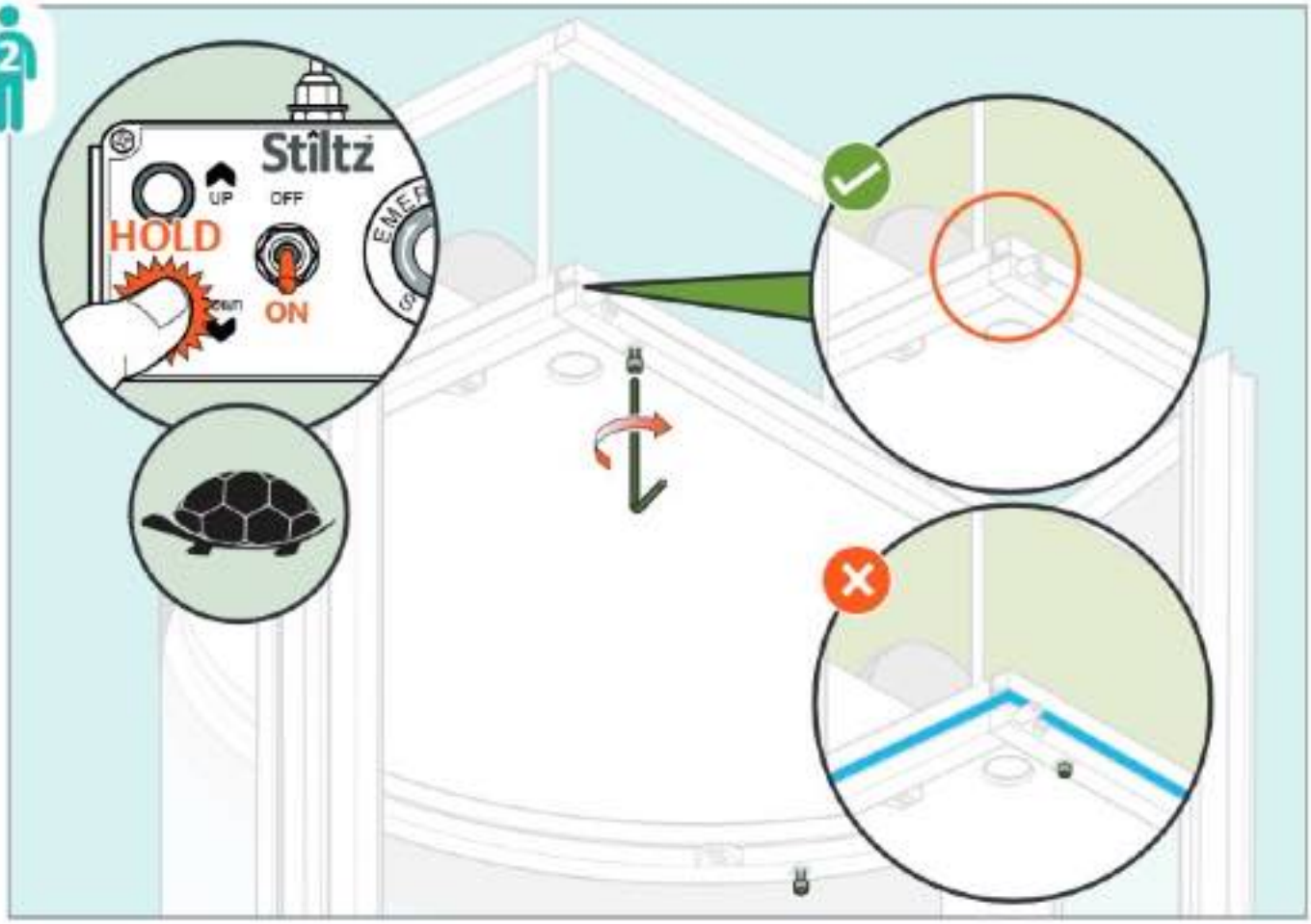


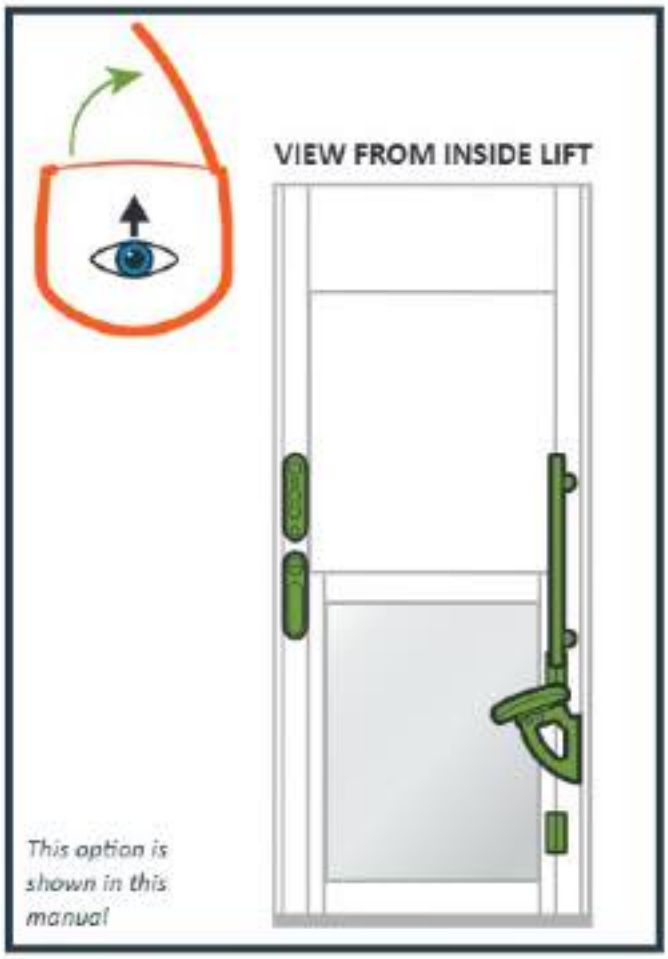

2
12mm
(1/2")

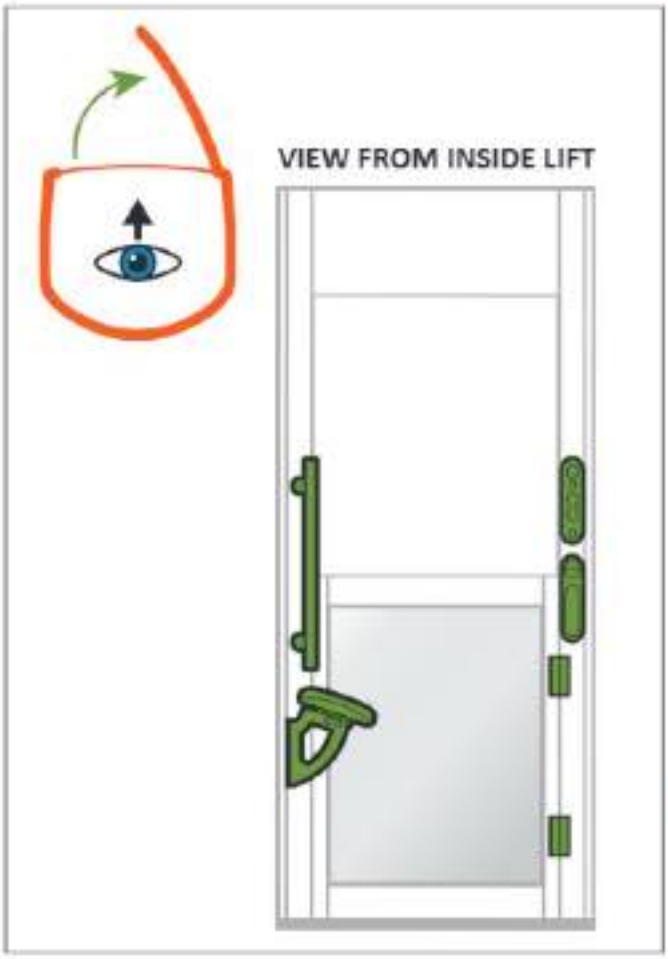

2

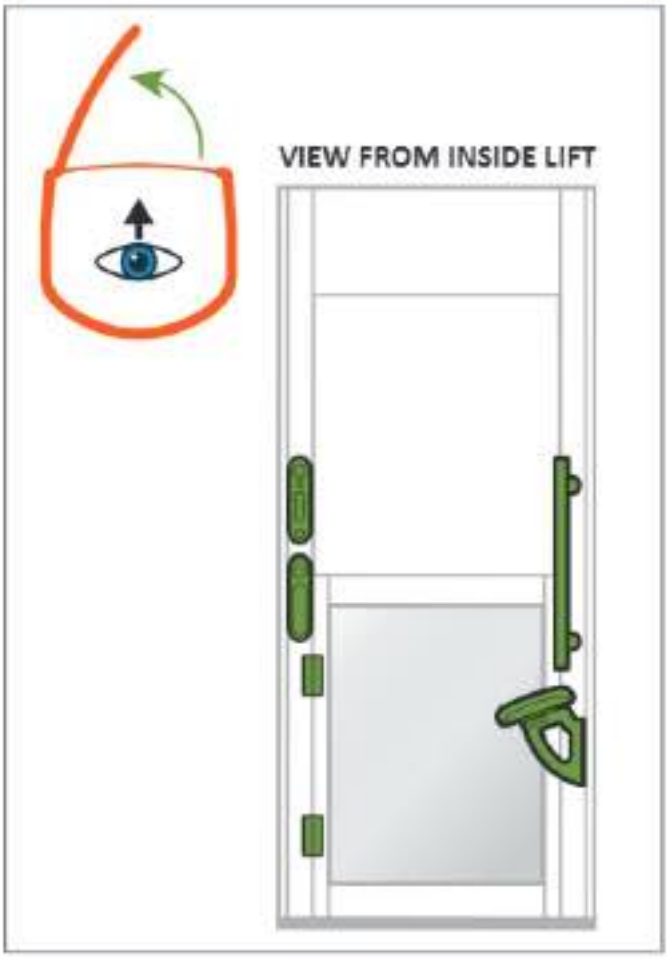
Section 5: Car Preparation

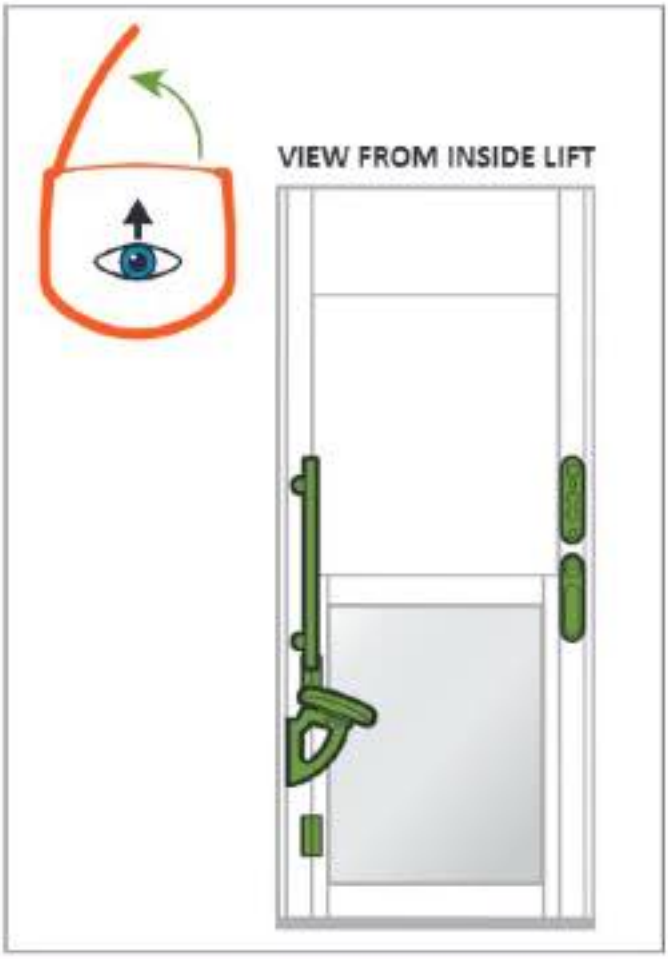





VIEW FROM INSIDE LIFT
This option is shown in this manual

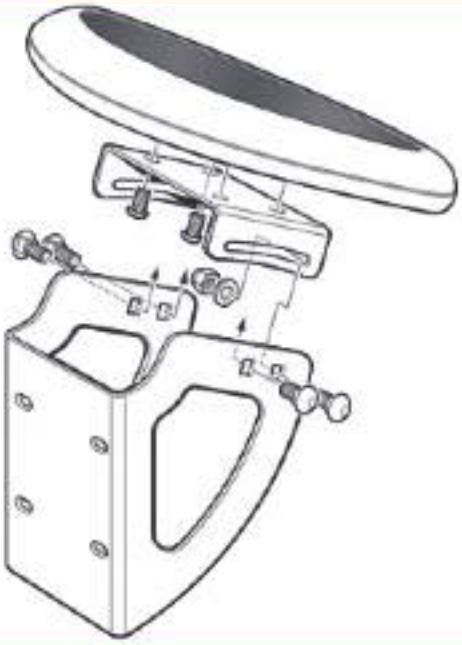

VIEW FROM INSIDE LIFT


VIEW FROM INSIDE LIFT


VIEW FROM INSIDE LIFT

Section 5: Car Preparation

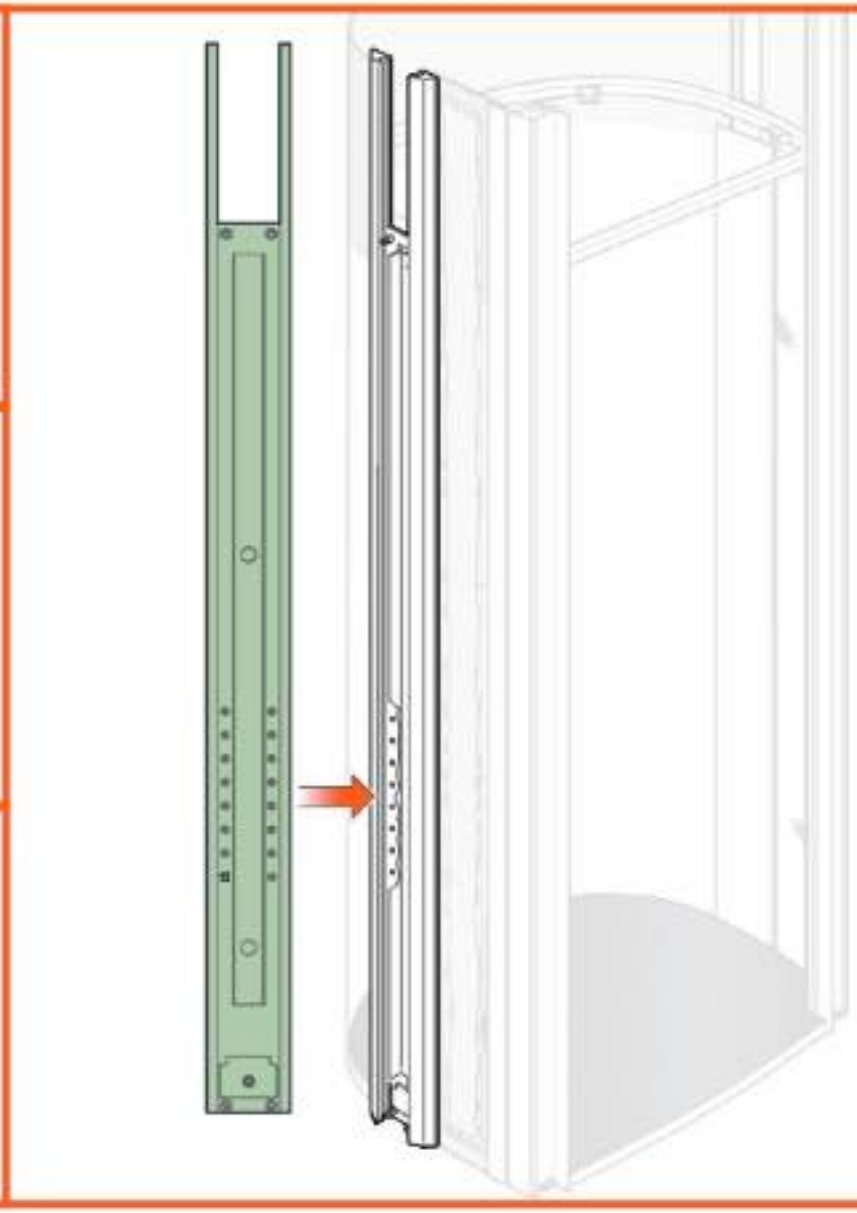
FIT PERCH SEAT IF ORDERED

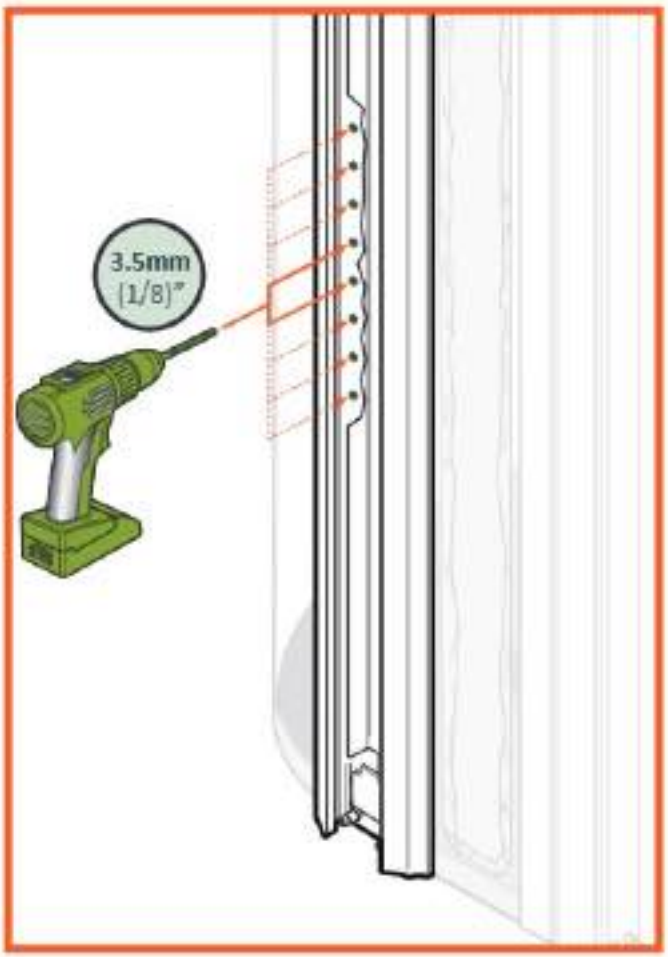


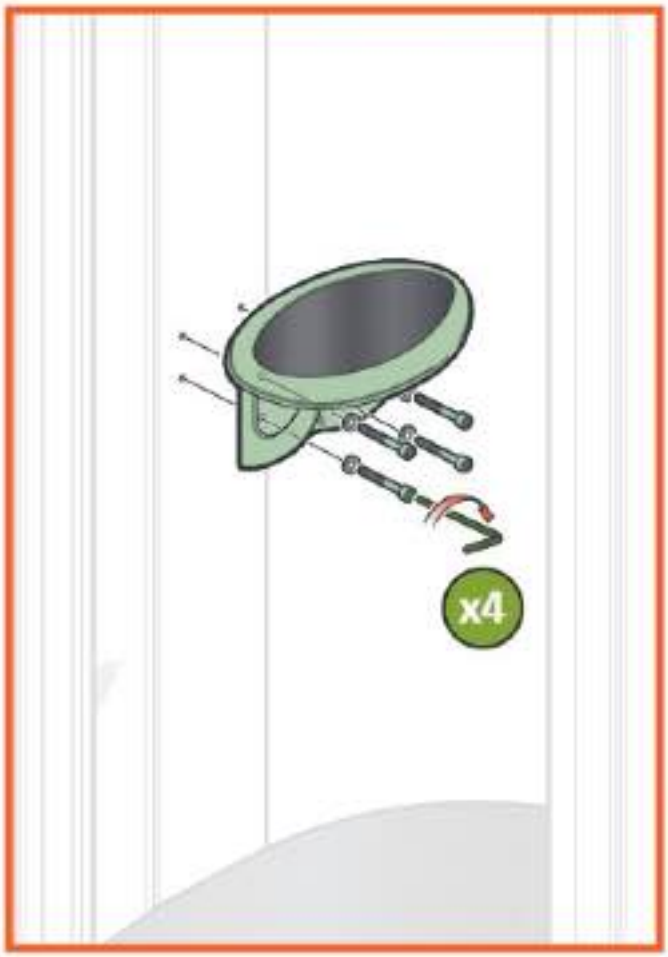








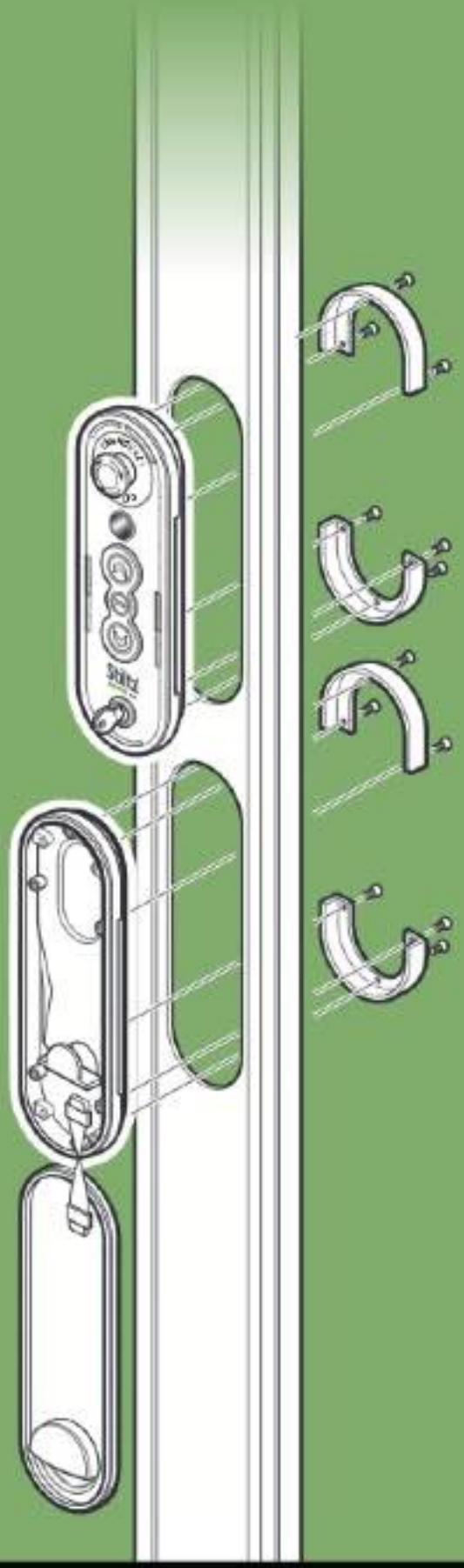

3.5mm
(1/8")


x4

Installation Guidelines

Stiltz™ Homelifts

SECTION 6
Electrical/ Mechanical Connections



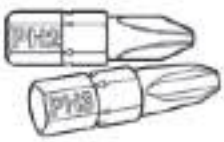
INSTALLATION GUIDELINES

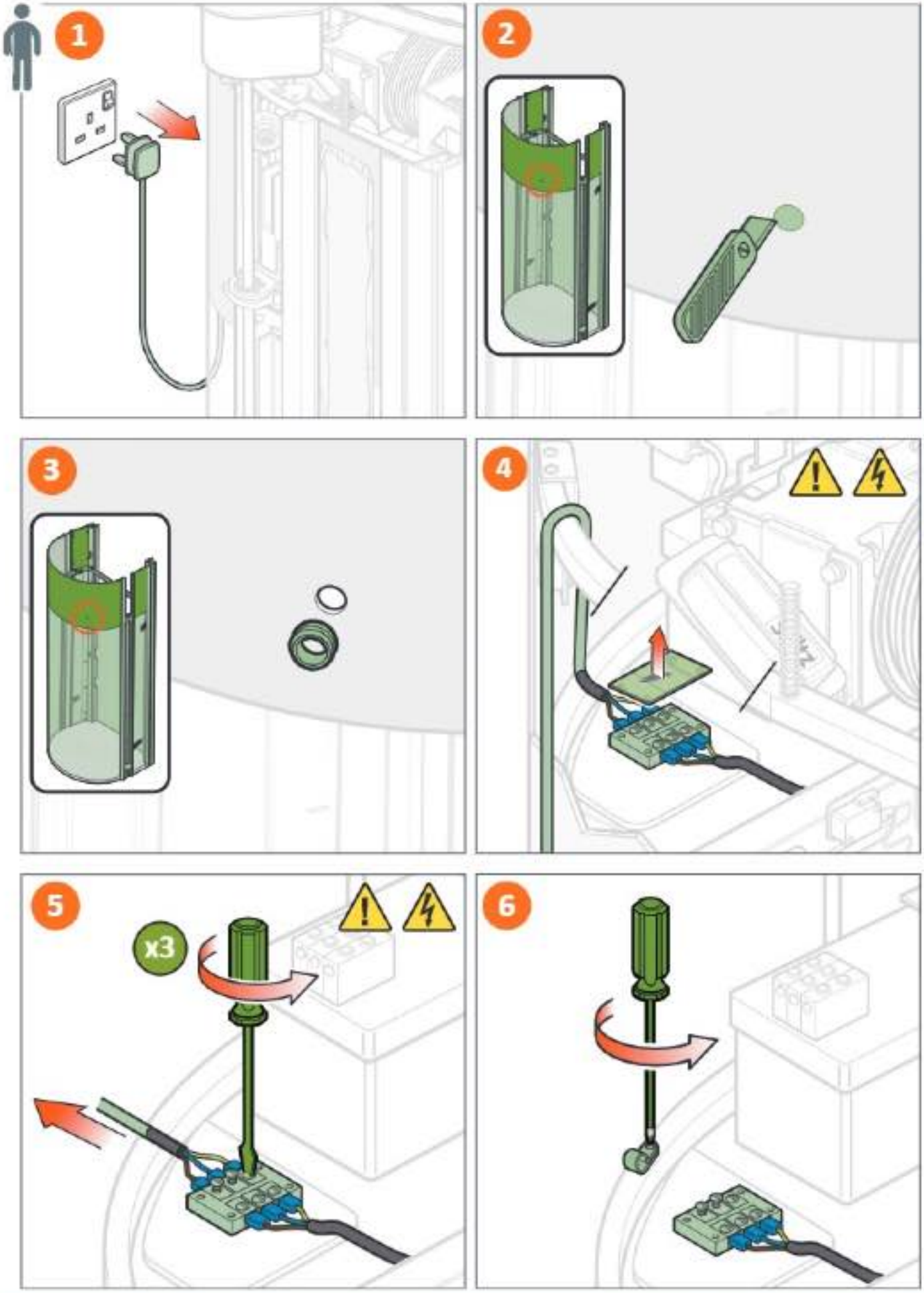
Section 6: Electrical/Mechanical Connections

Supplied in Installation Kit (sold separately)

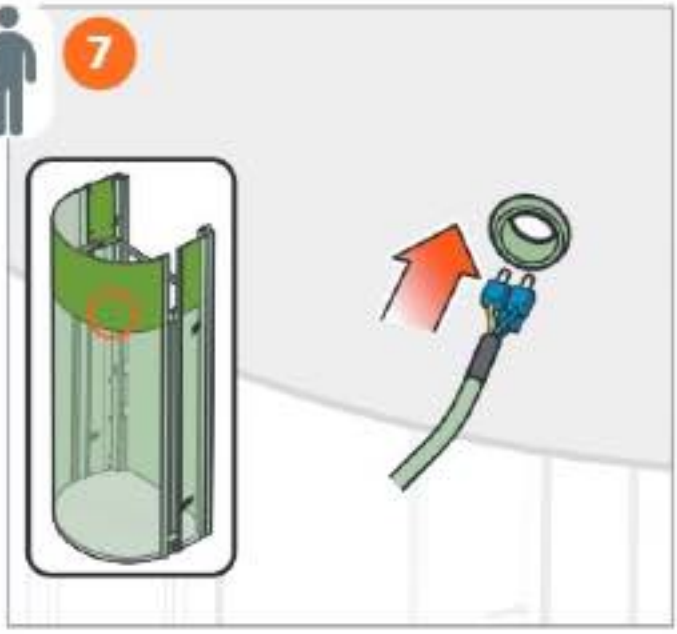
50104-00038 Remote Pendant	10602-00035 Safety Pan Bridge Lead	30107-00003 Open End Spanner 36mm
		

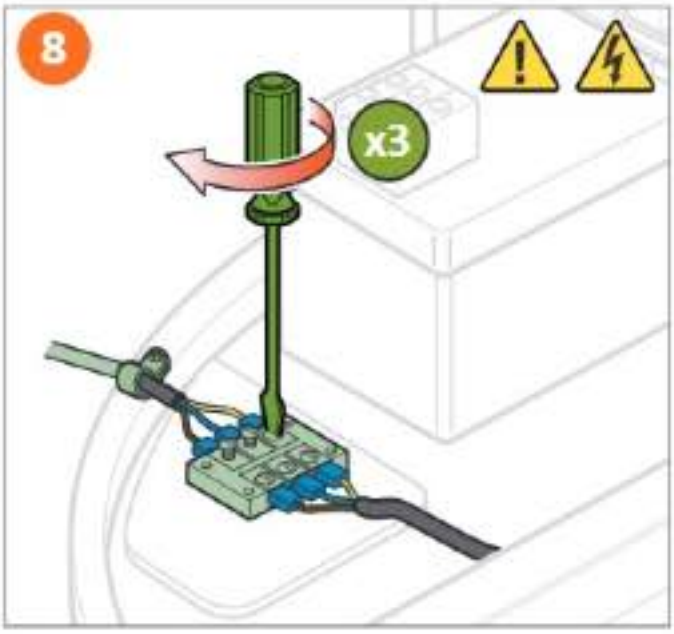
Tools Required

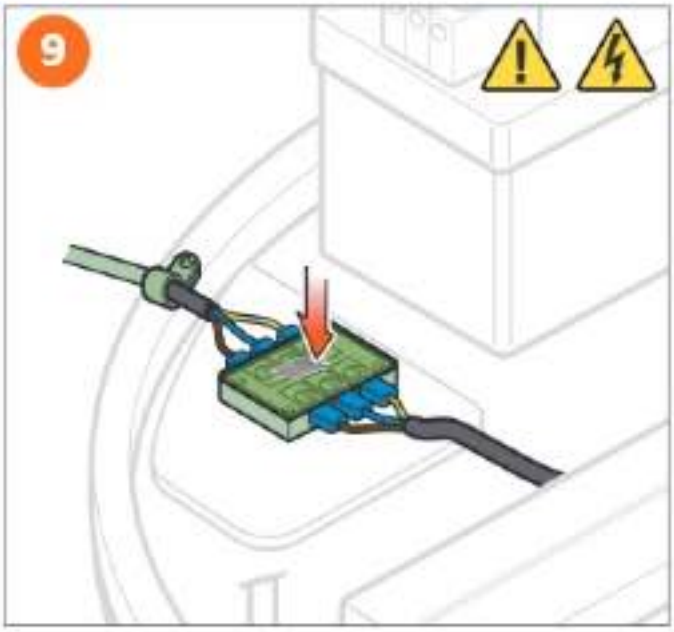
Long Nose Pliers	Power Drill	Allen Keys (Metric)	Cross Screwdriver
			
Flat Screwdriver	**Spanners**	**Pliers**	**Stanley Knife**
			
Scissors	**Electrical Multi Meter**	**Steps**	**PH2 + PH3 Bits**
			

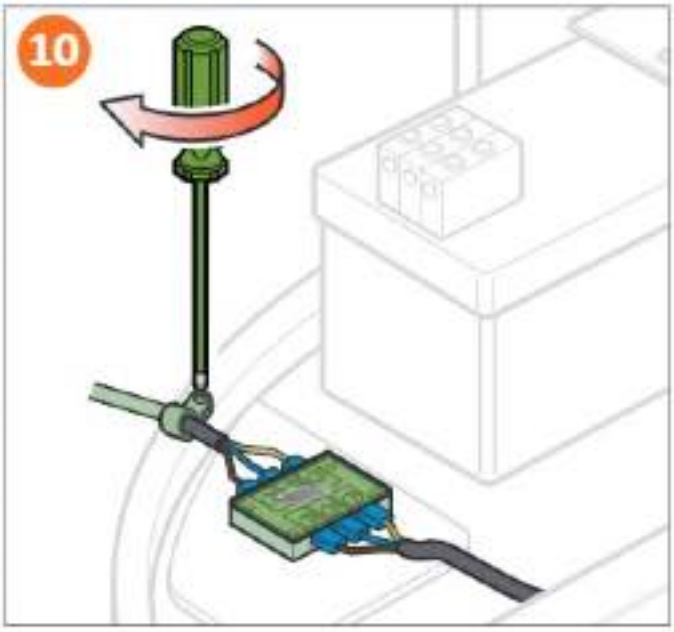

1
2
3
4
5
x3
6

Section 6: Electrical/Mechanical Connections

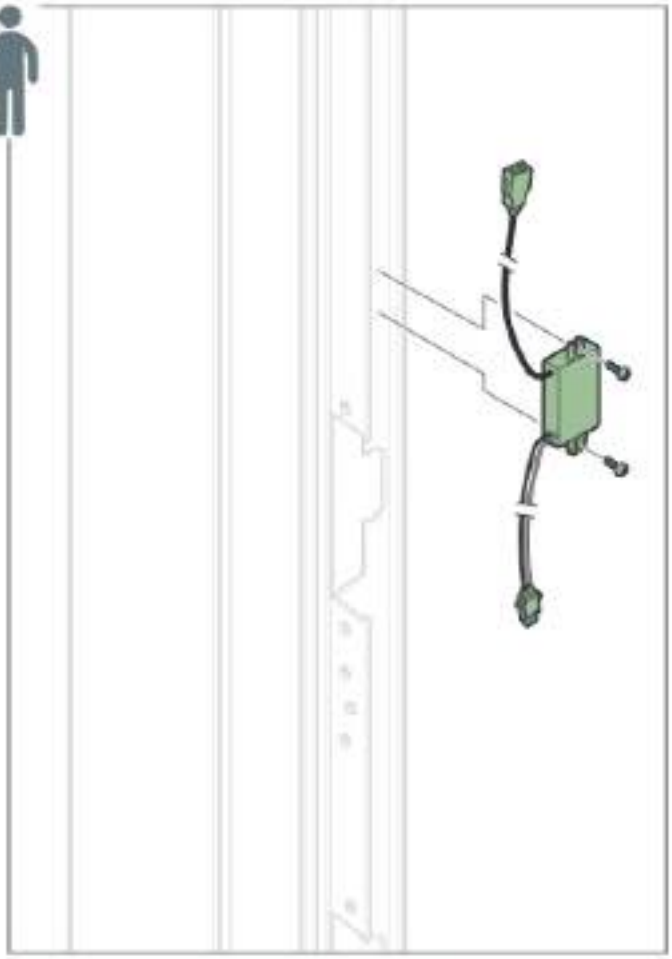


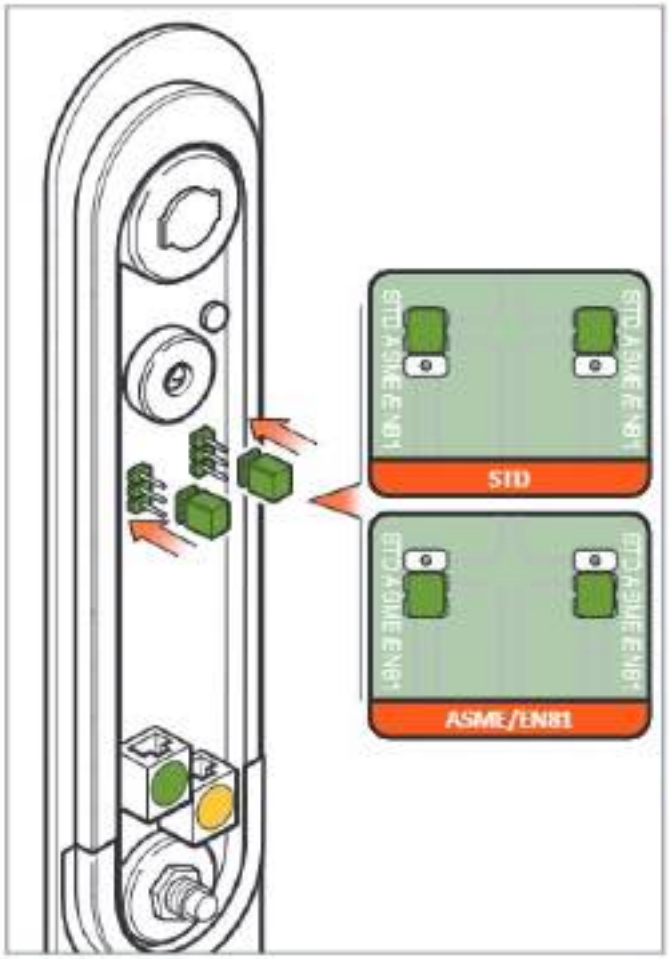


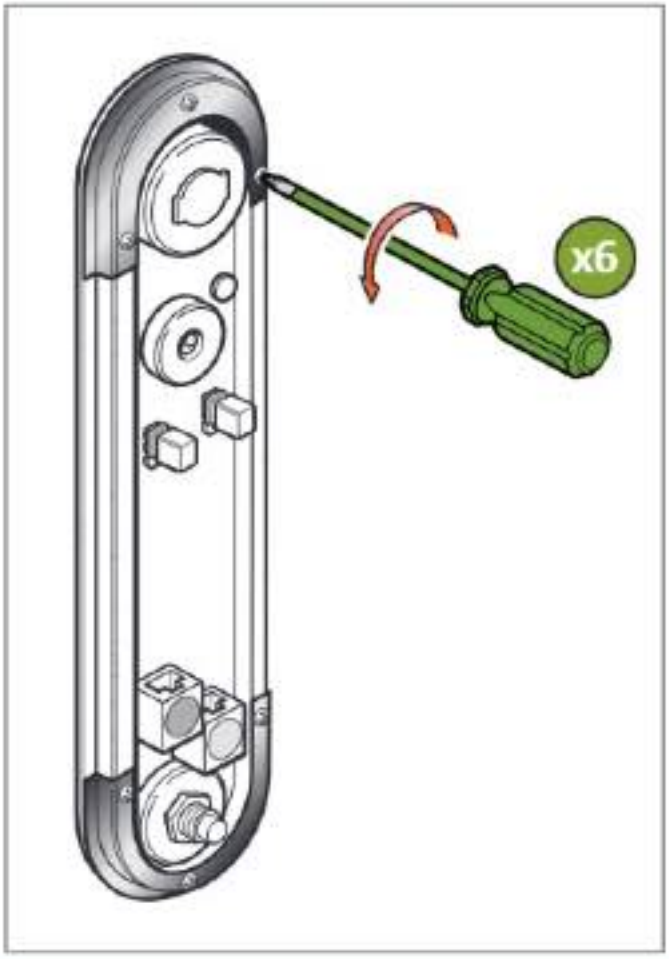


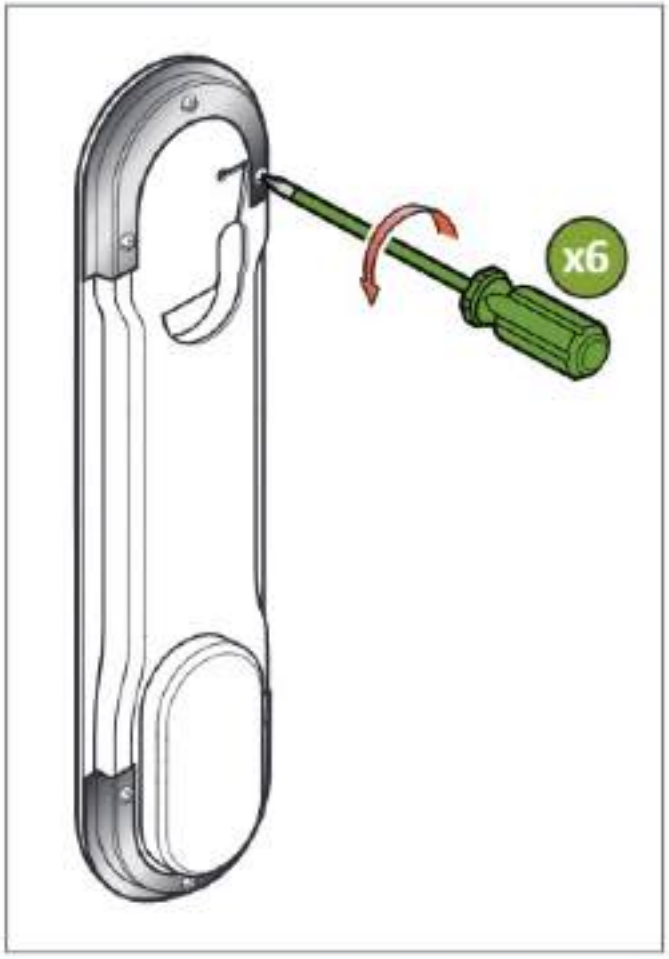




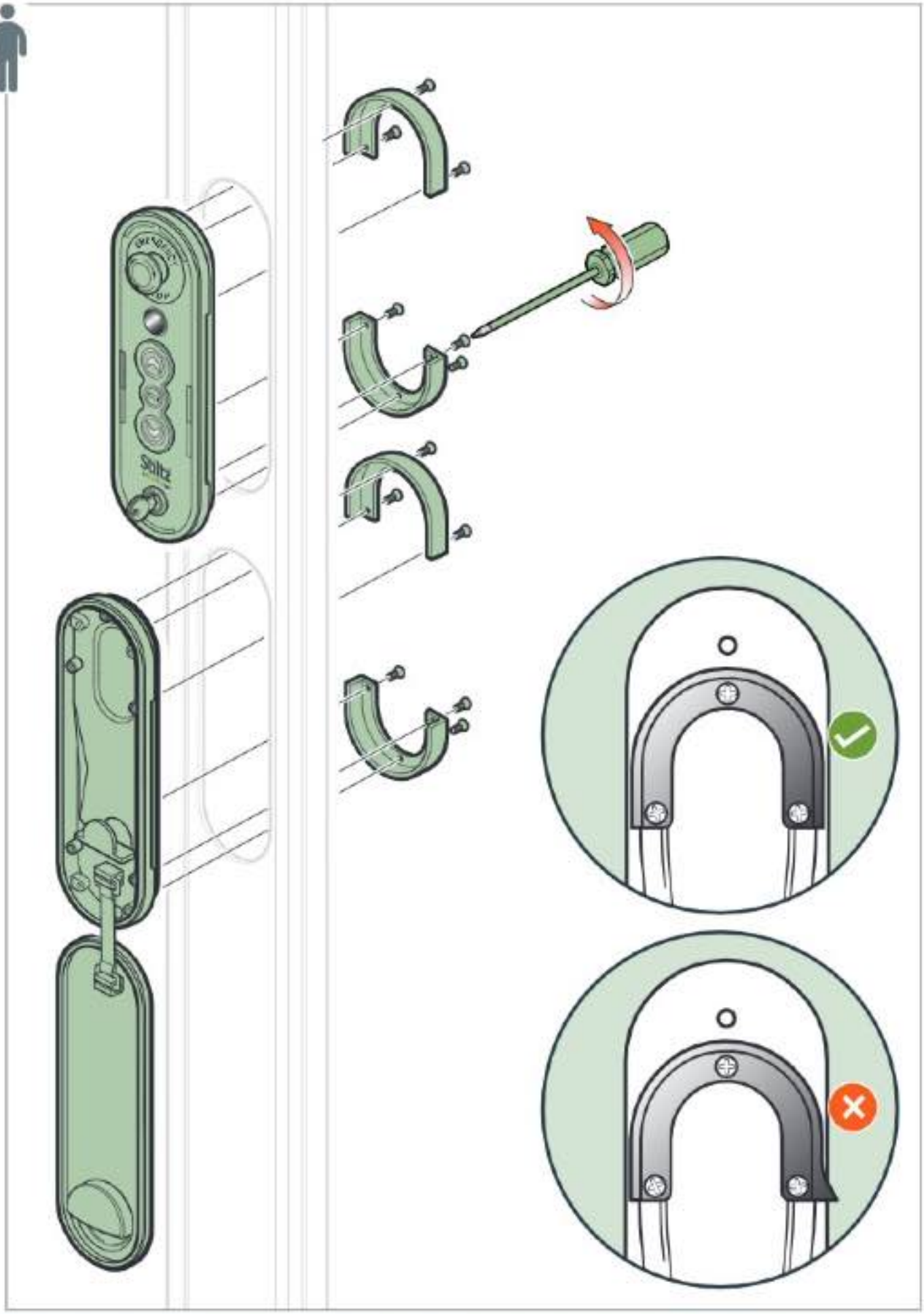


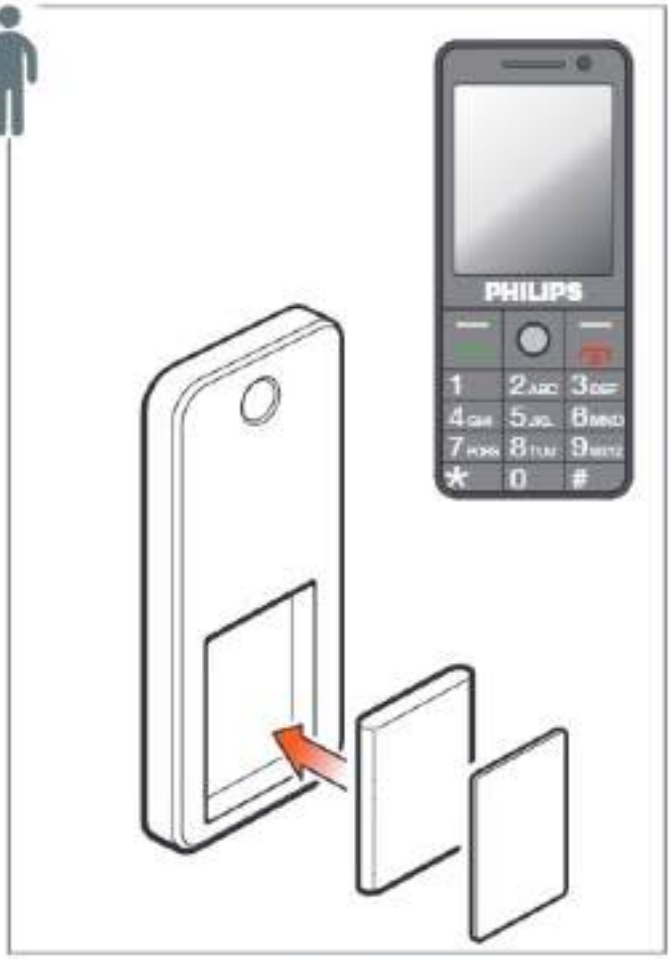

STD A3ME E'N81
STD A3ME E'N81
STD
STD A3ME E'N81
STD A3ME E'N81
ASME/EN81


x6

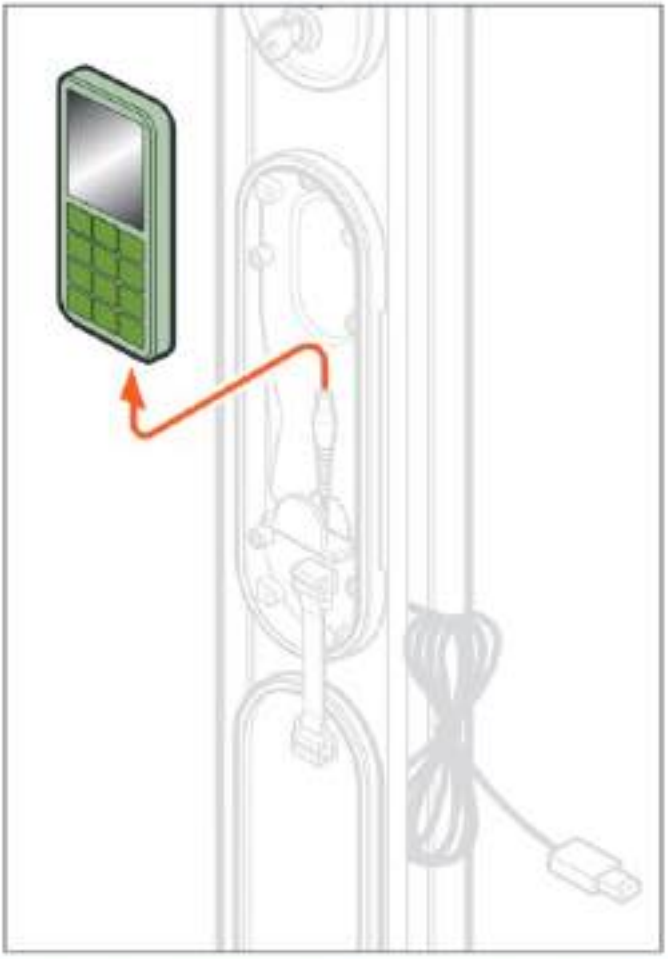

x6

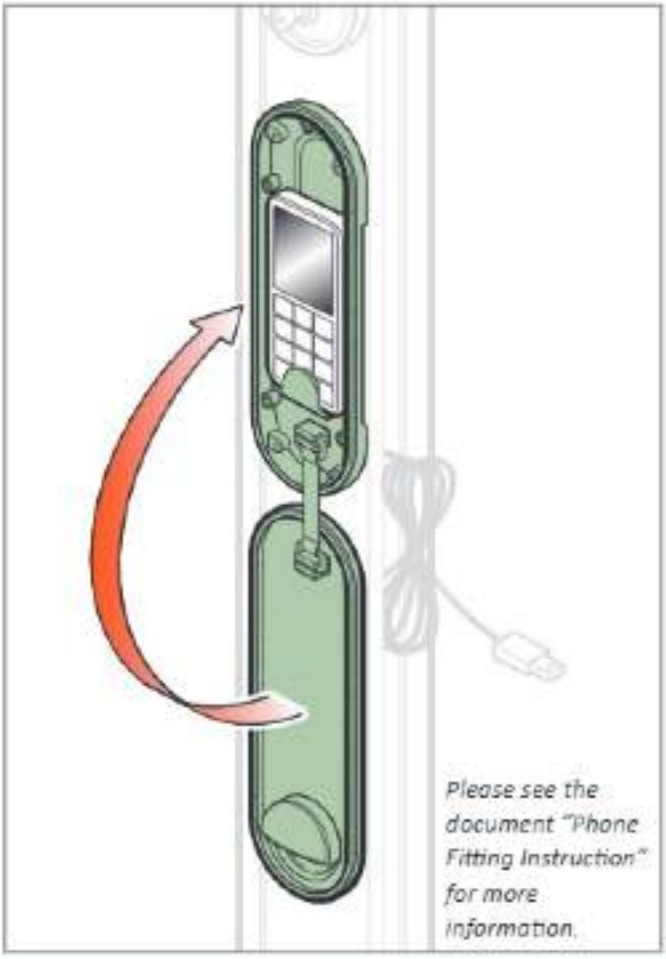
Section 6: Electrical/Mechanical Connections





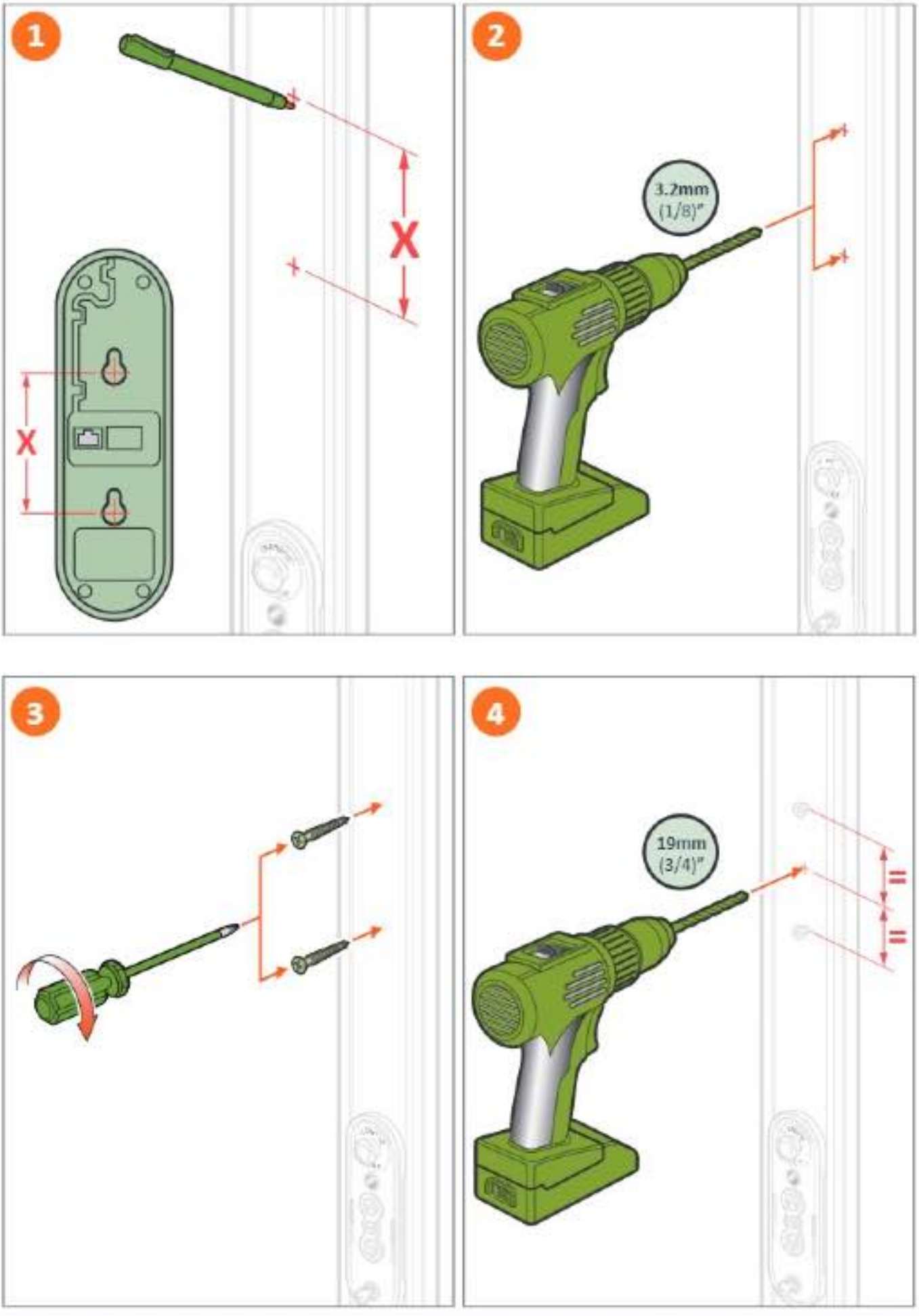




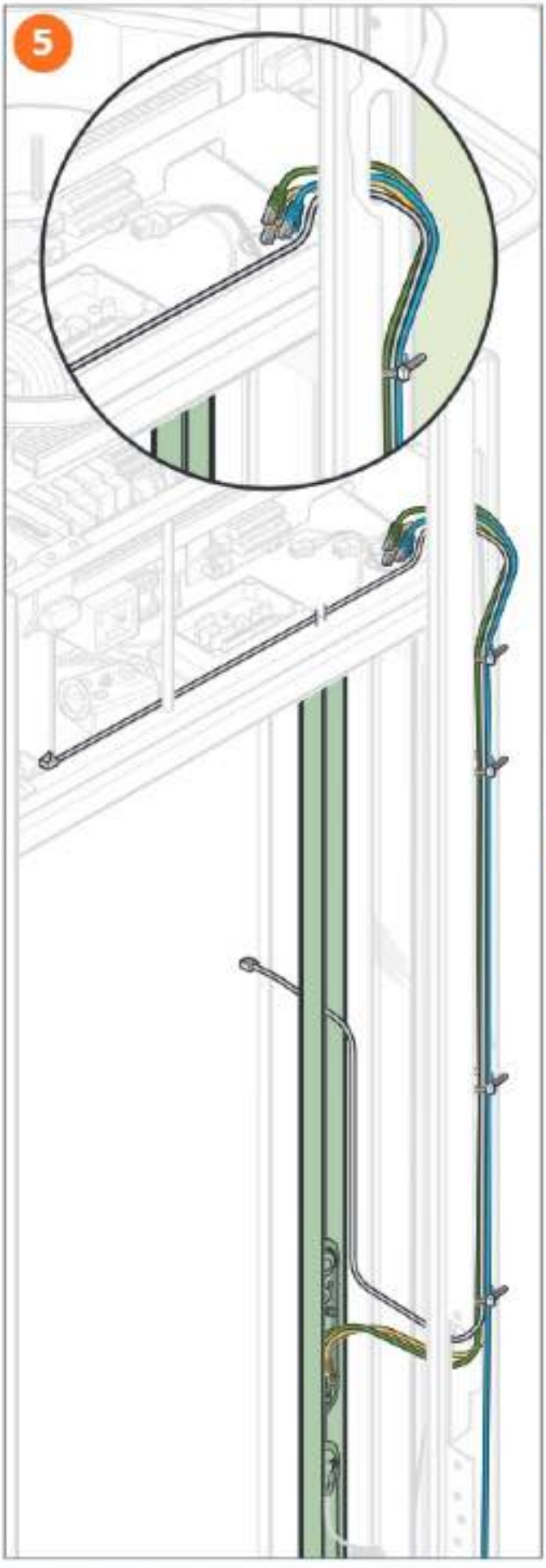


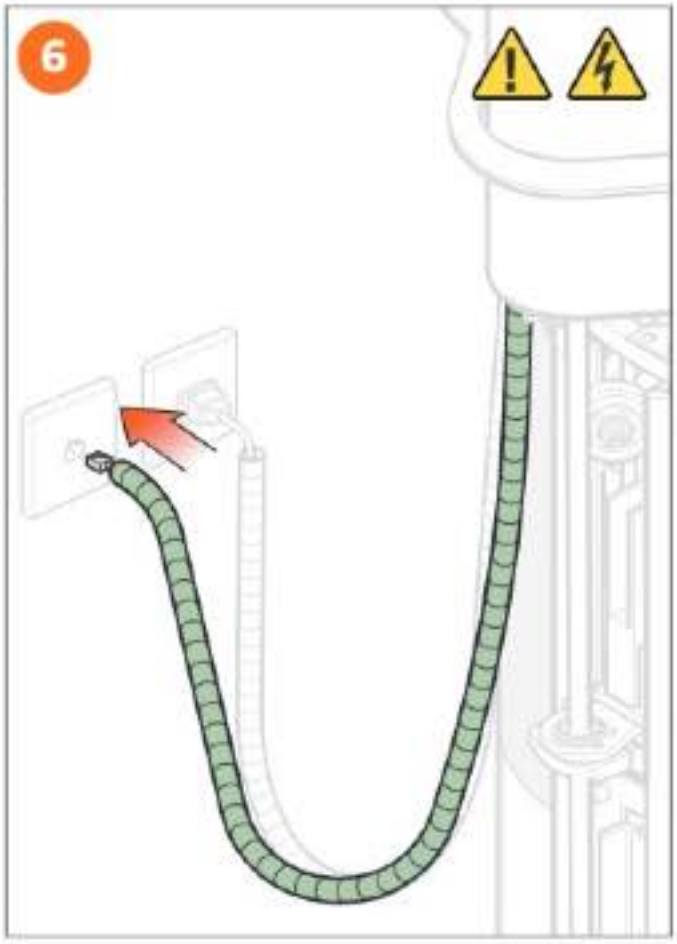
Please see the document "Phone Fitting Instruction" for more information.

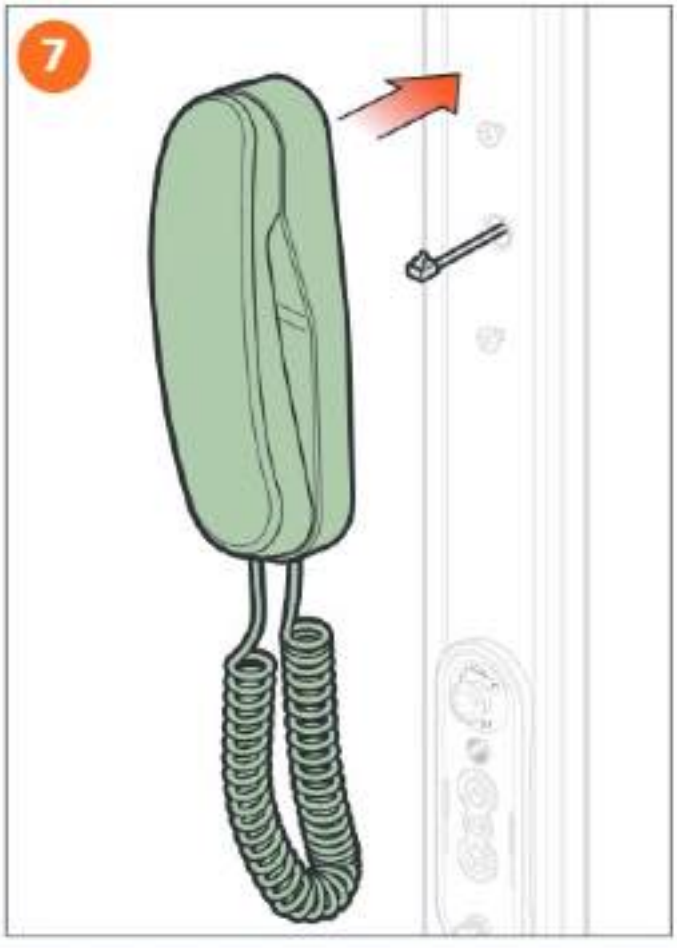
Section 6: Electrical/Mechanical Connections



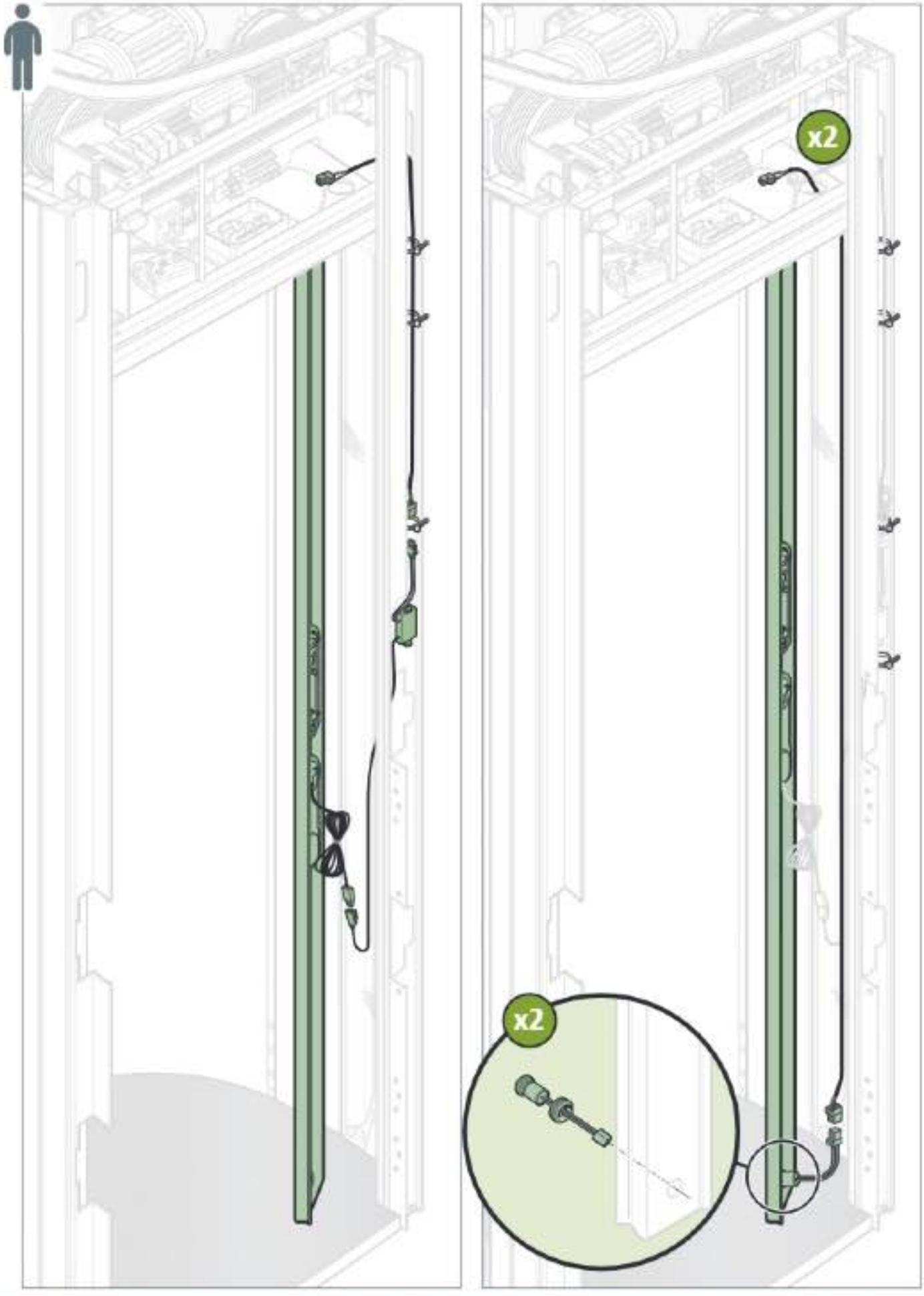
Section 6: Electrical/Mechanical Connections

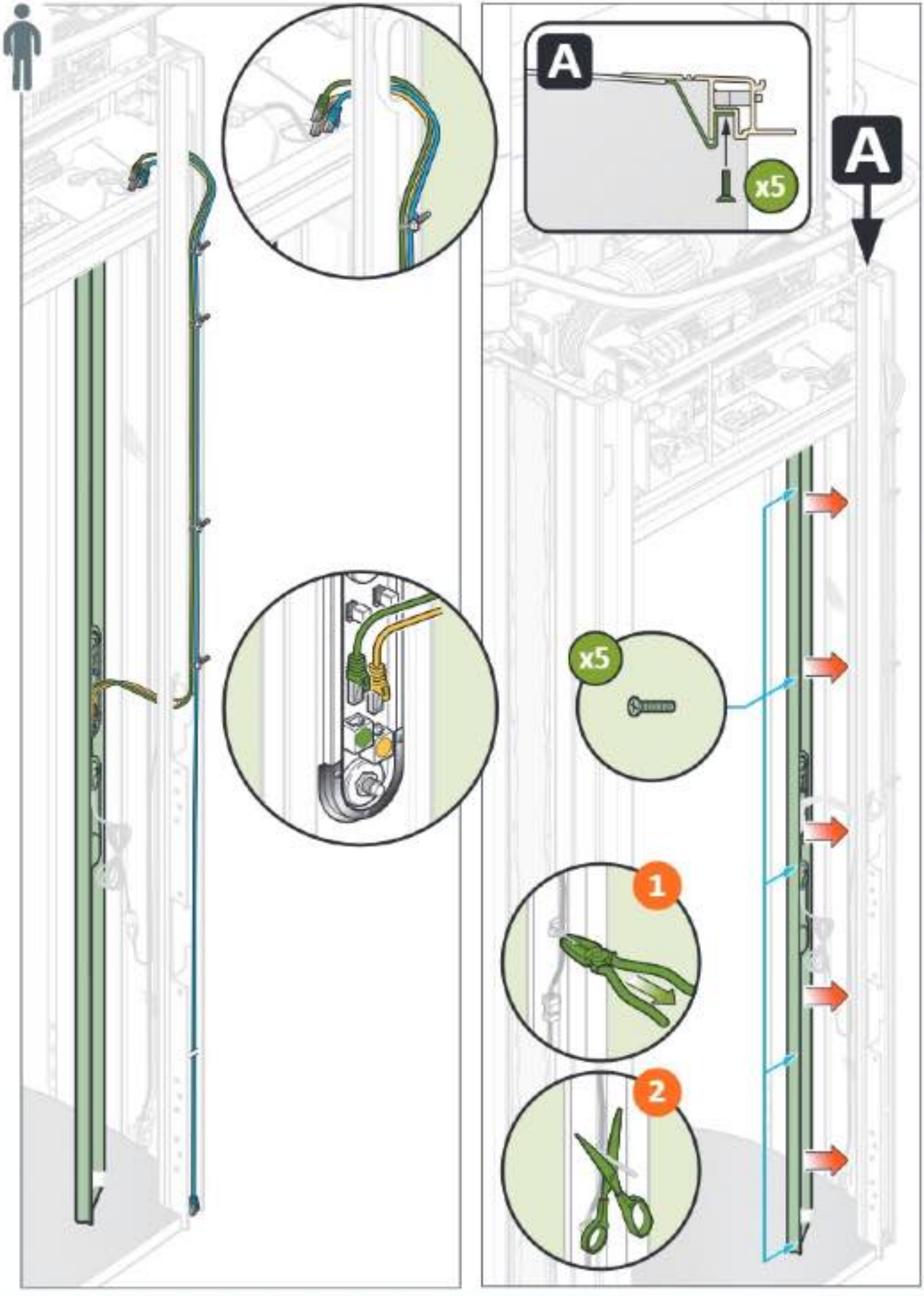




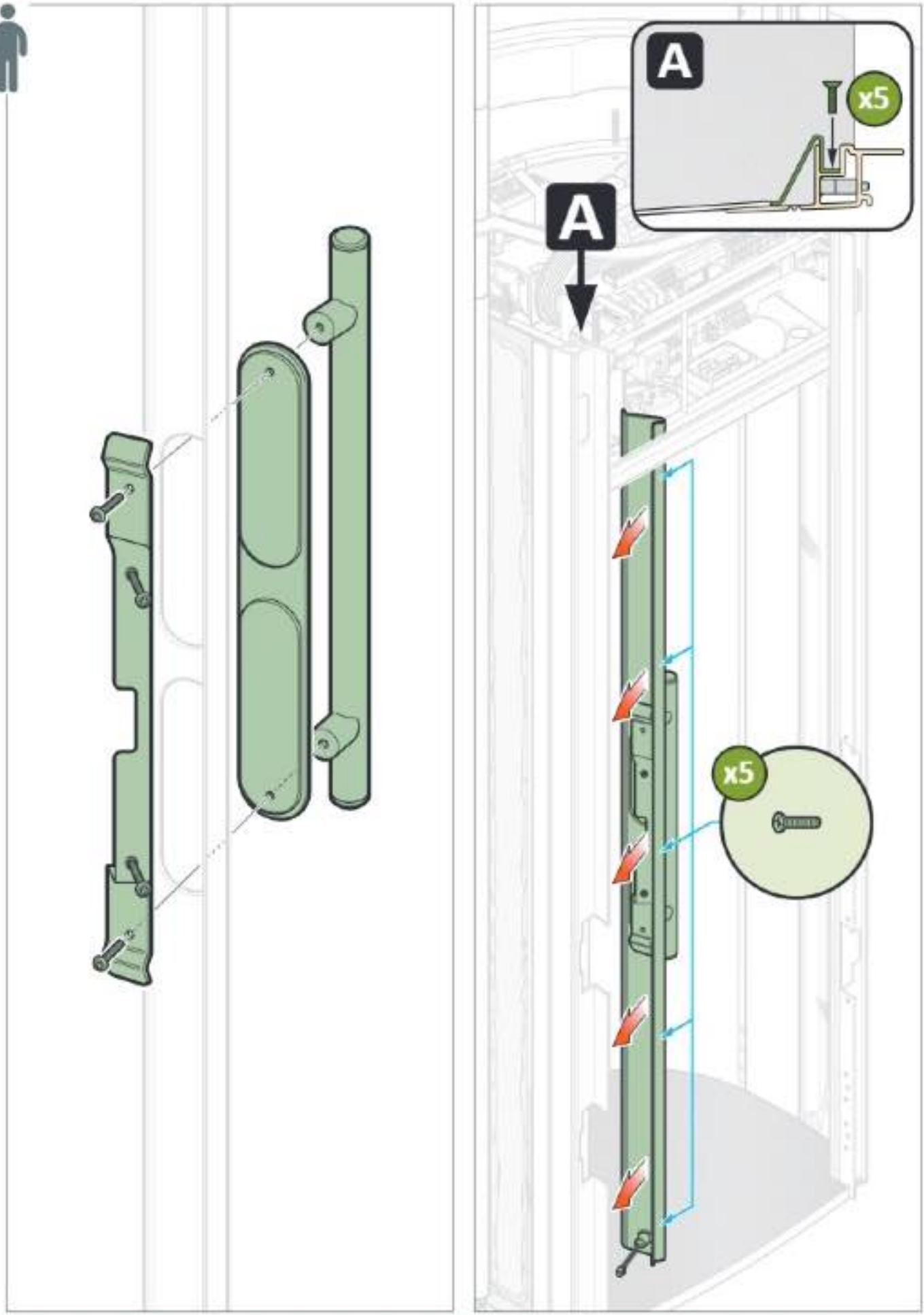


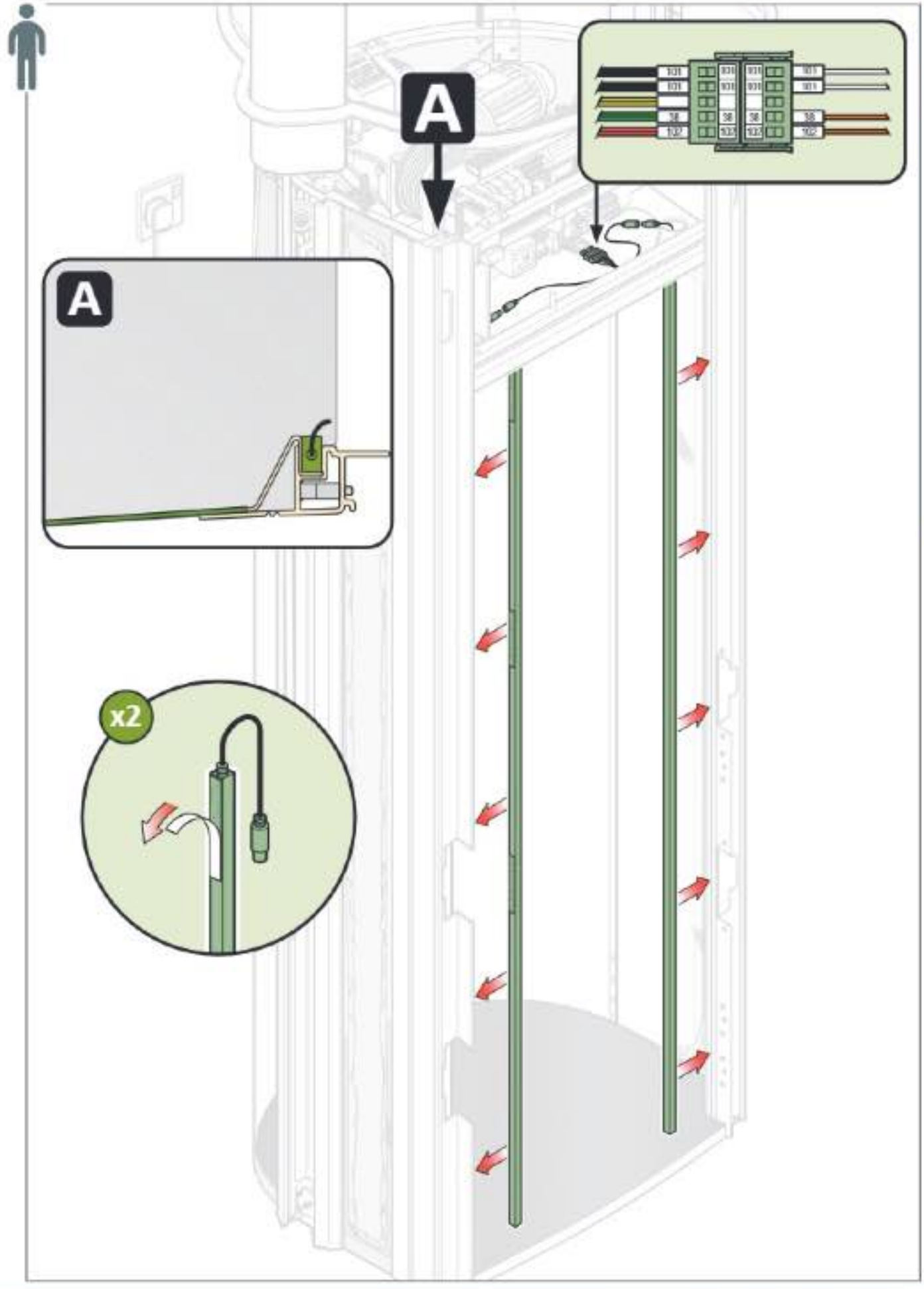
Section 6: Electrical/Mechanical Connections



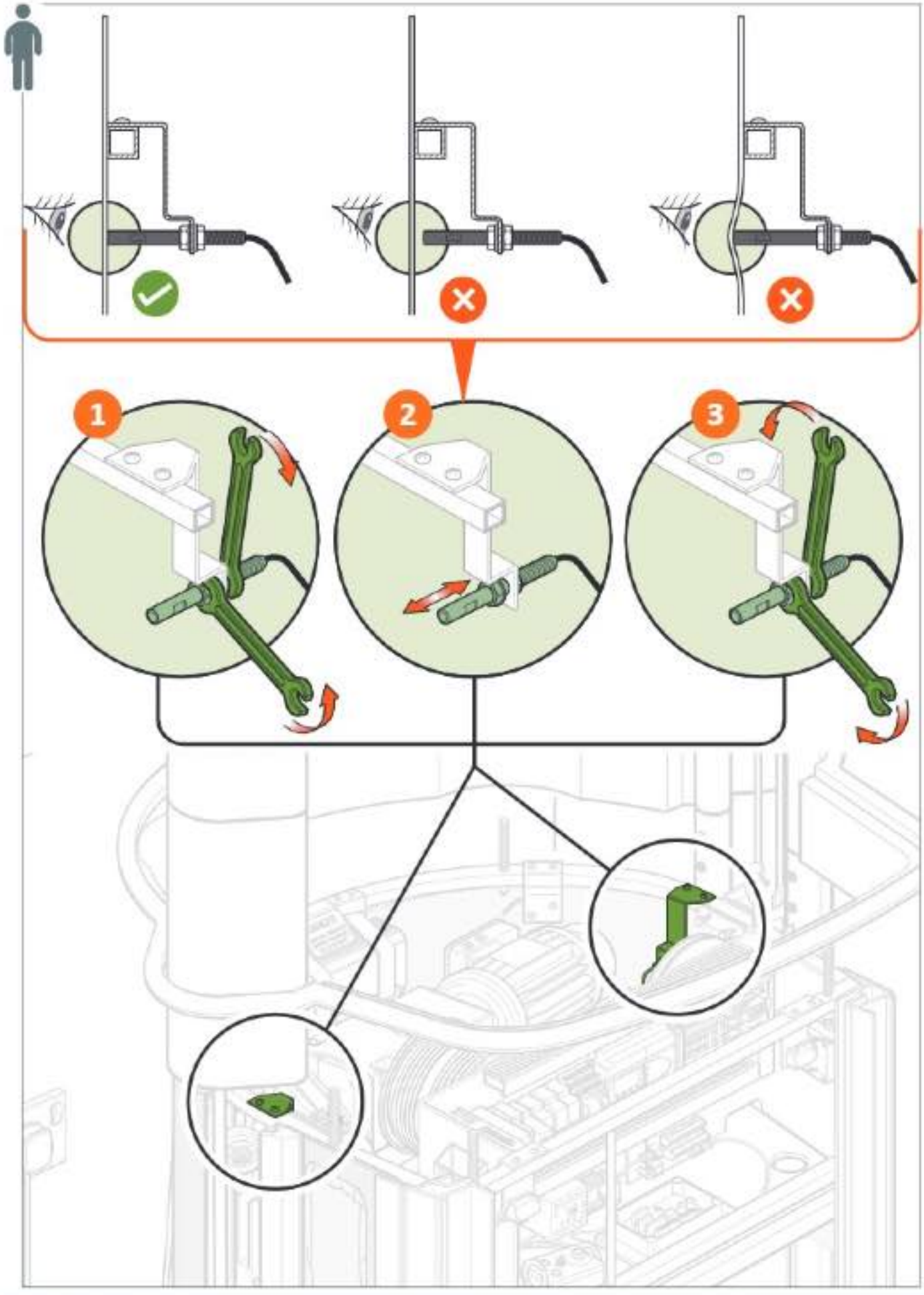

A
x5
A
x5
1
2

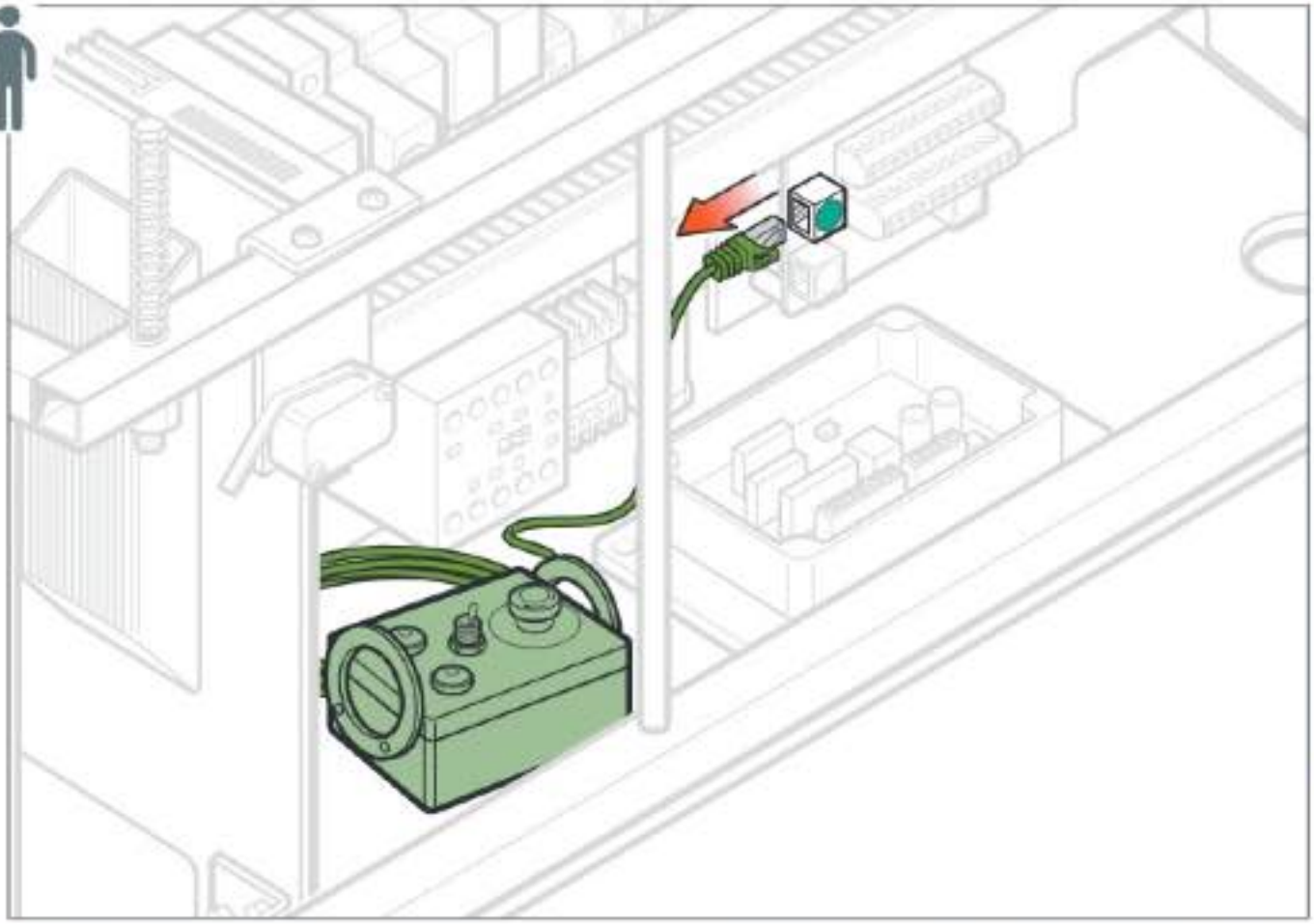
Section 6: Electrical/Mechanical Connections

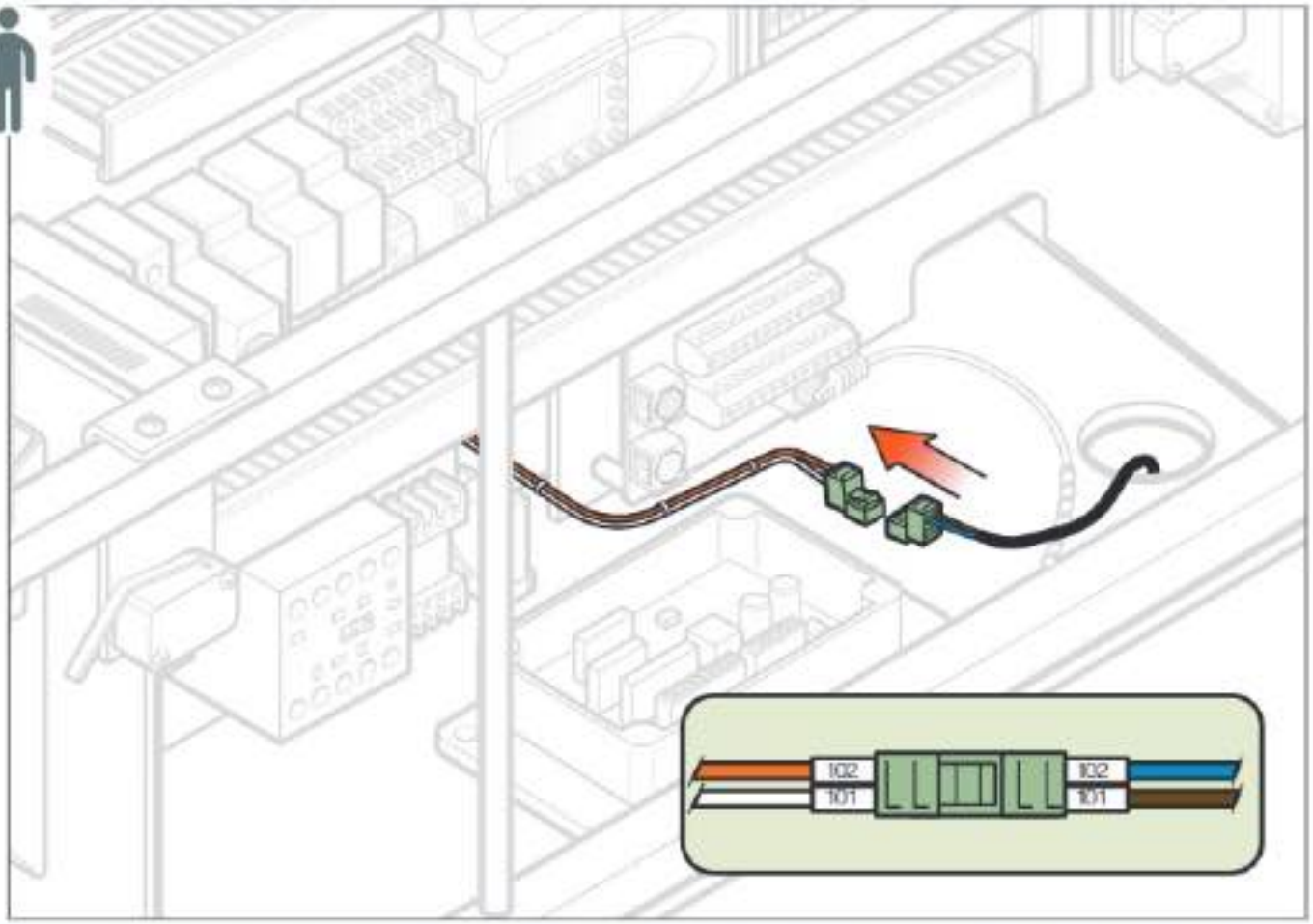



A
A
x2

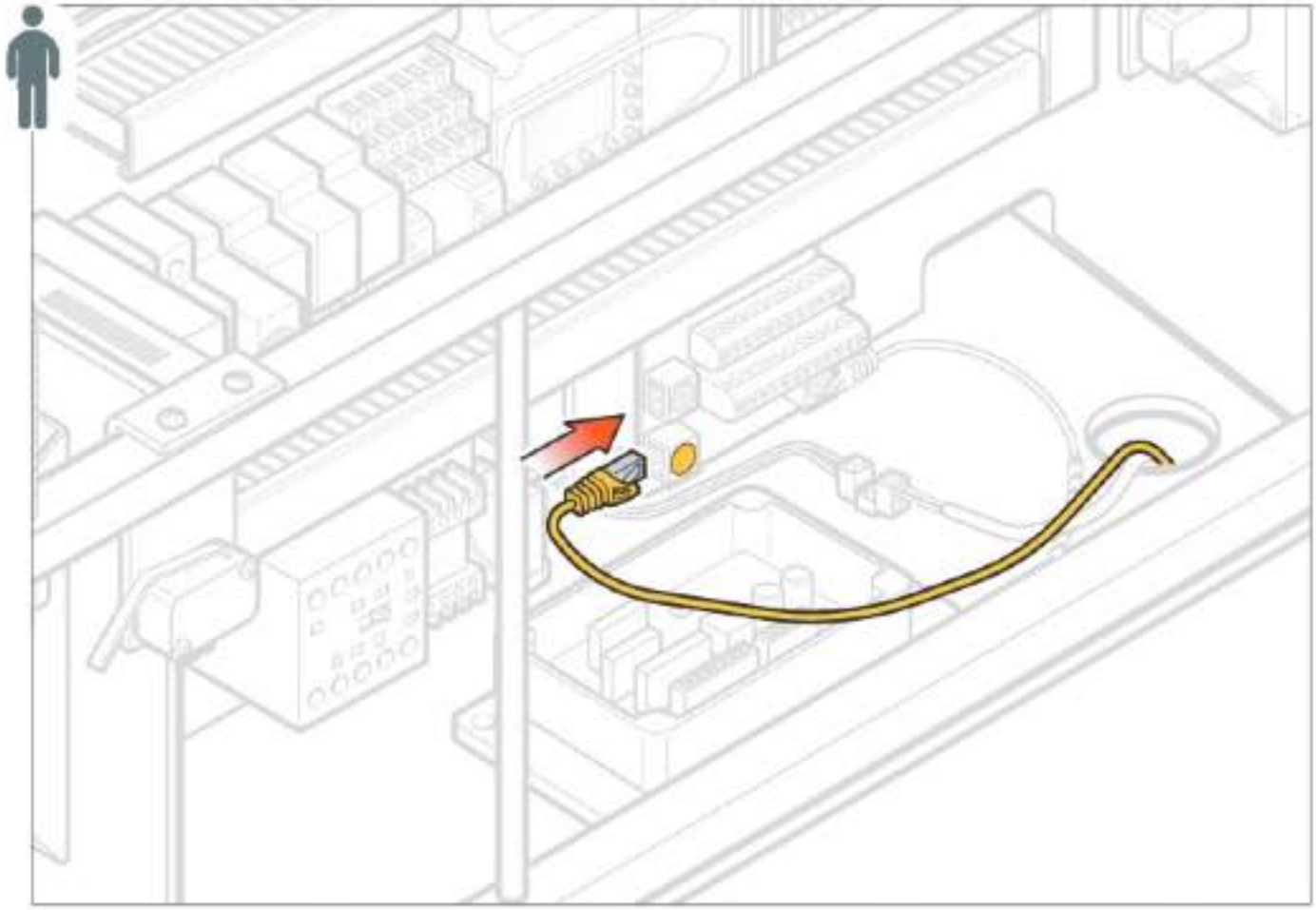
Section 6: Electrical/Mechanical Connections

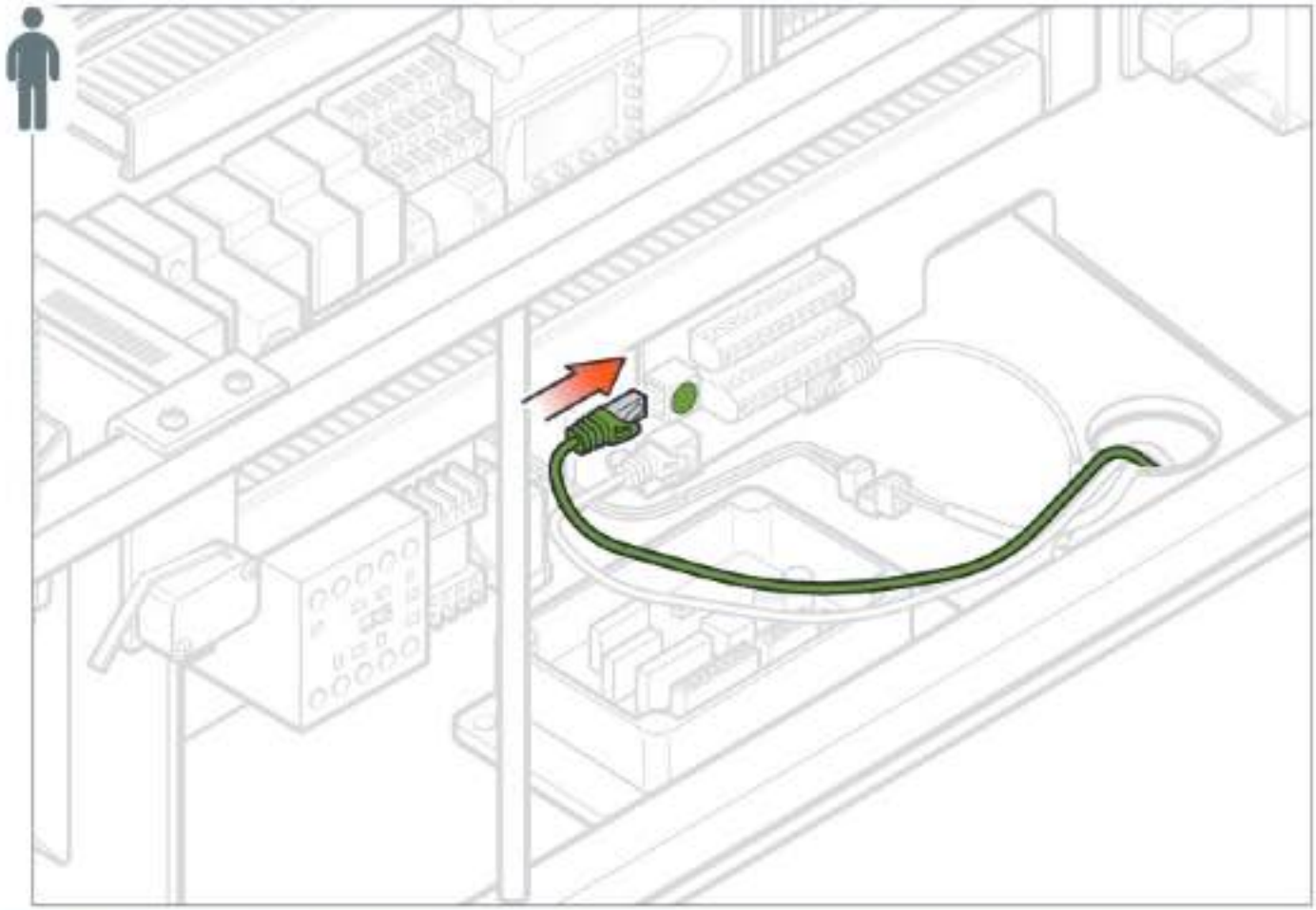


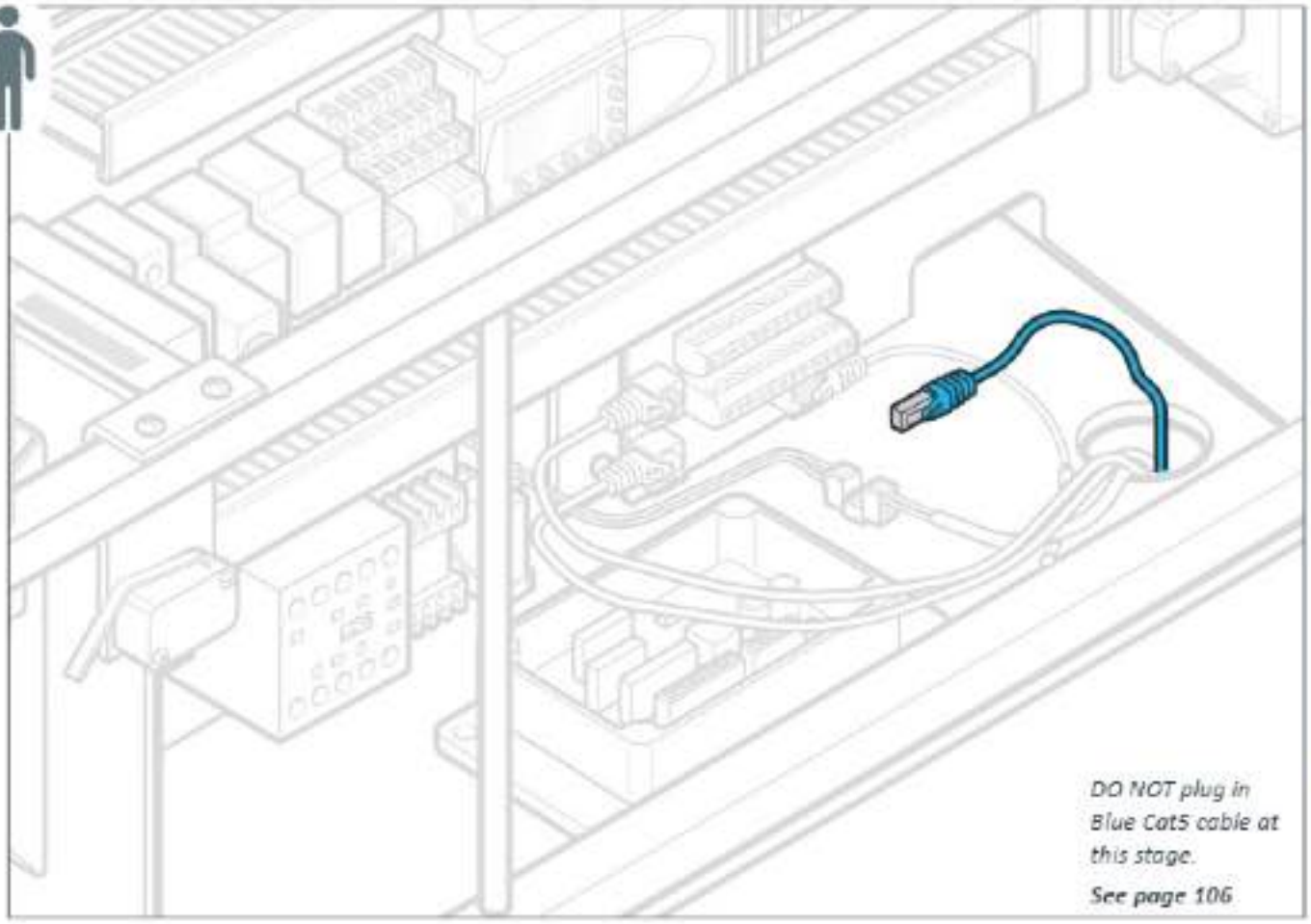



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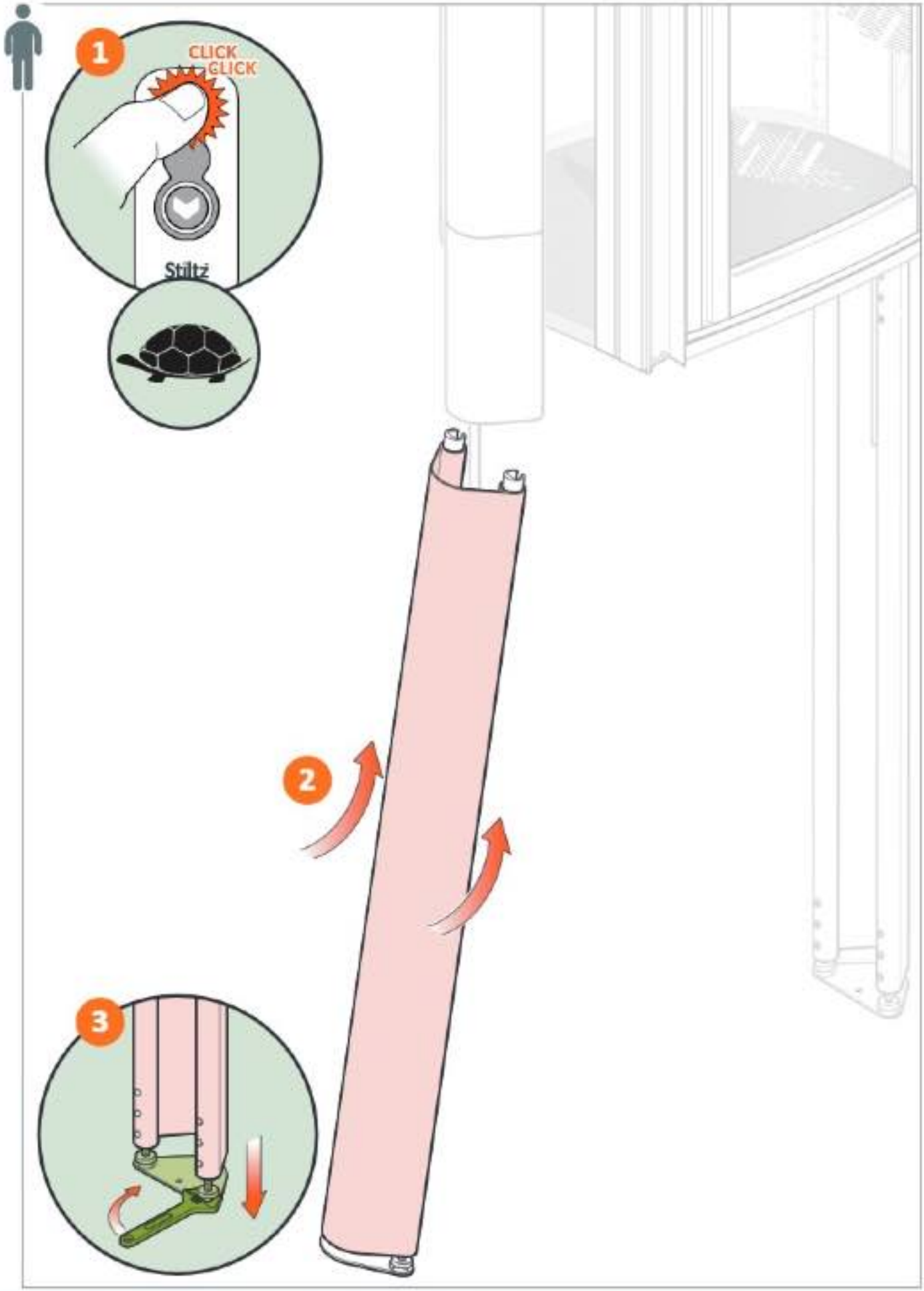
Section 6: Electrical/Mechanical Connections

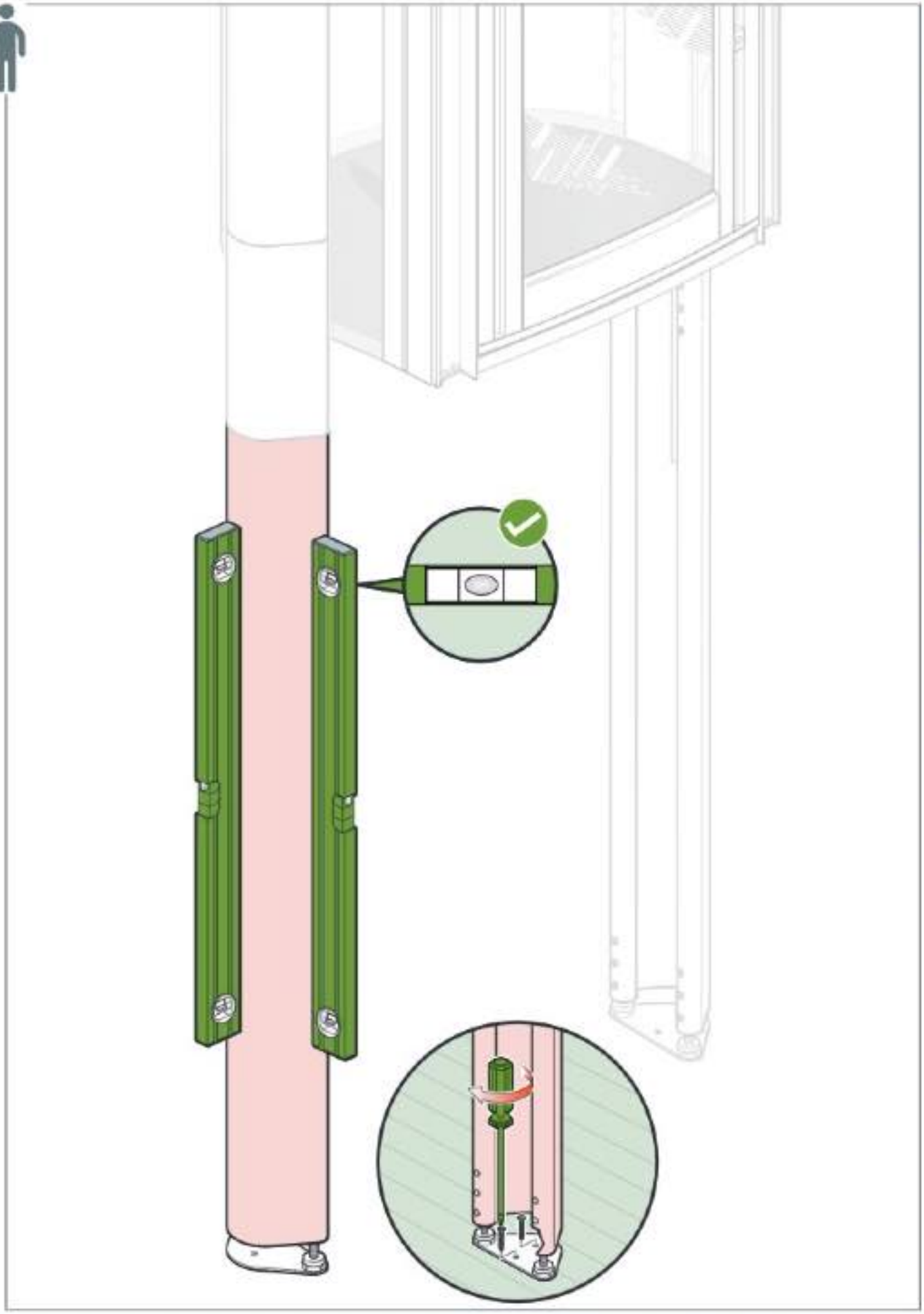




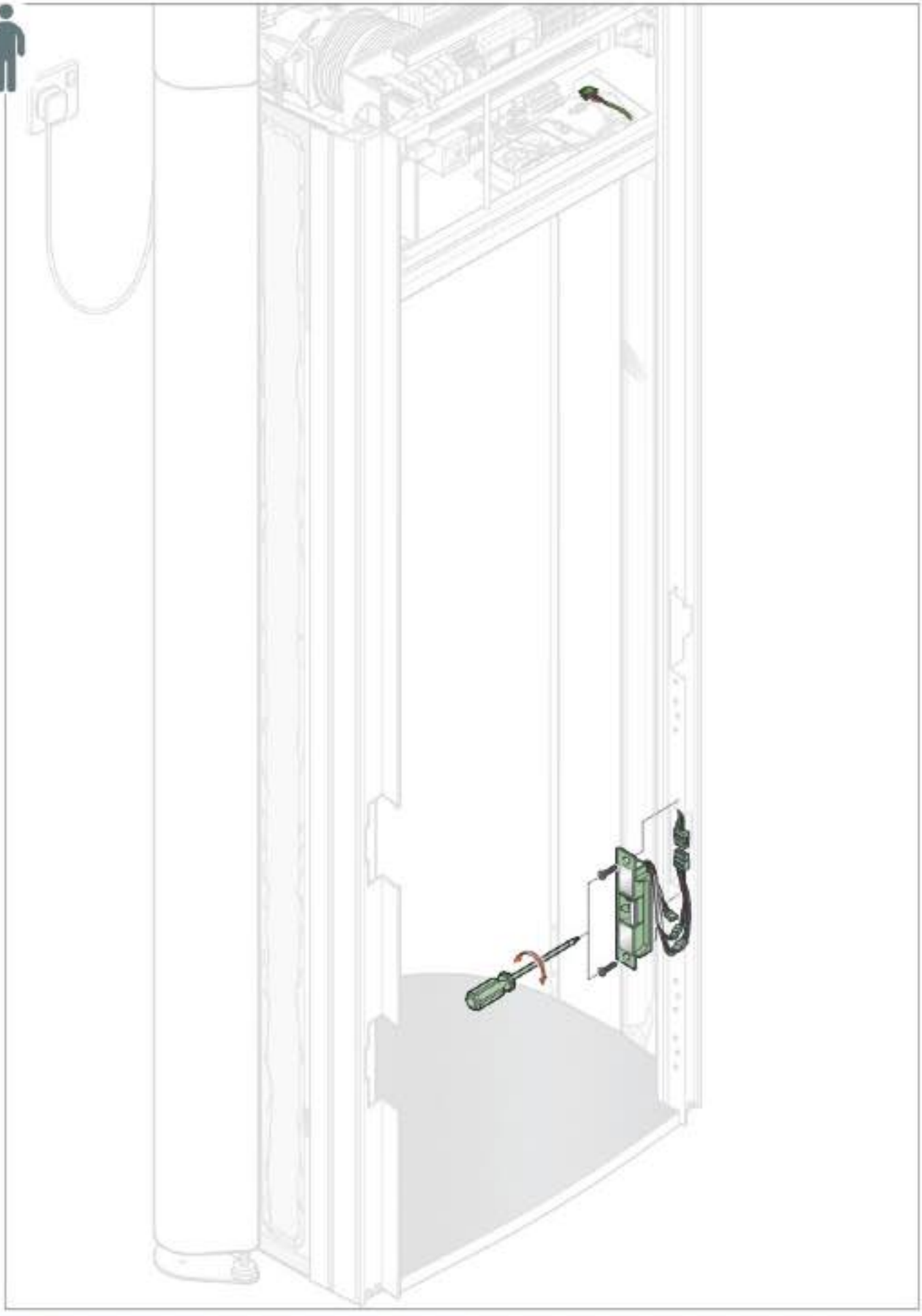

DO NOT plug in Blue Cat5 cable at this stage.
See page 106

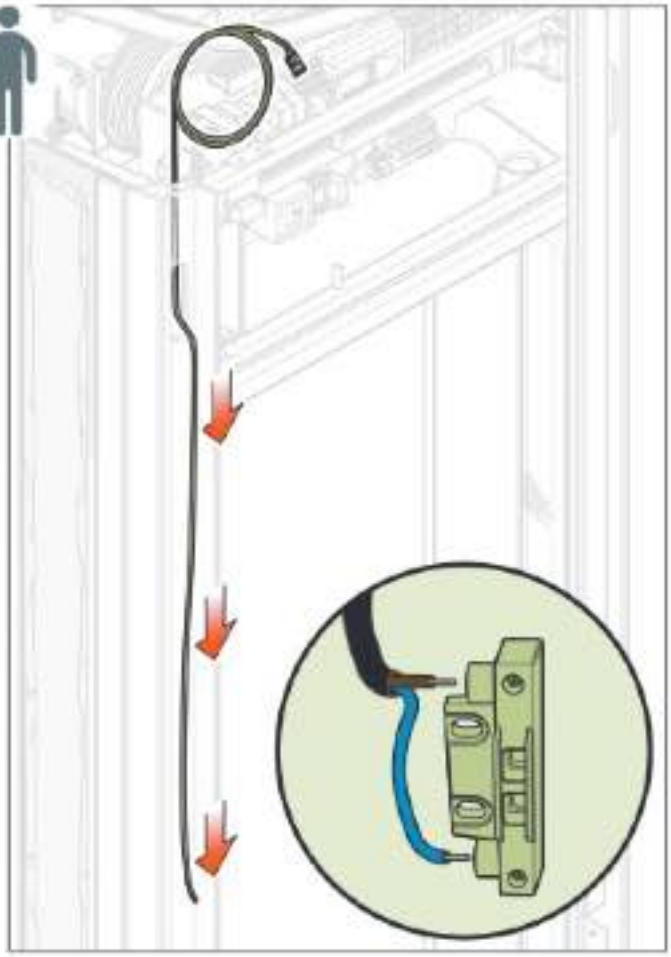
Section 6: Electrical/Mechanical Connections



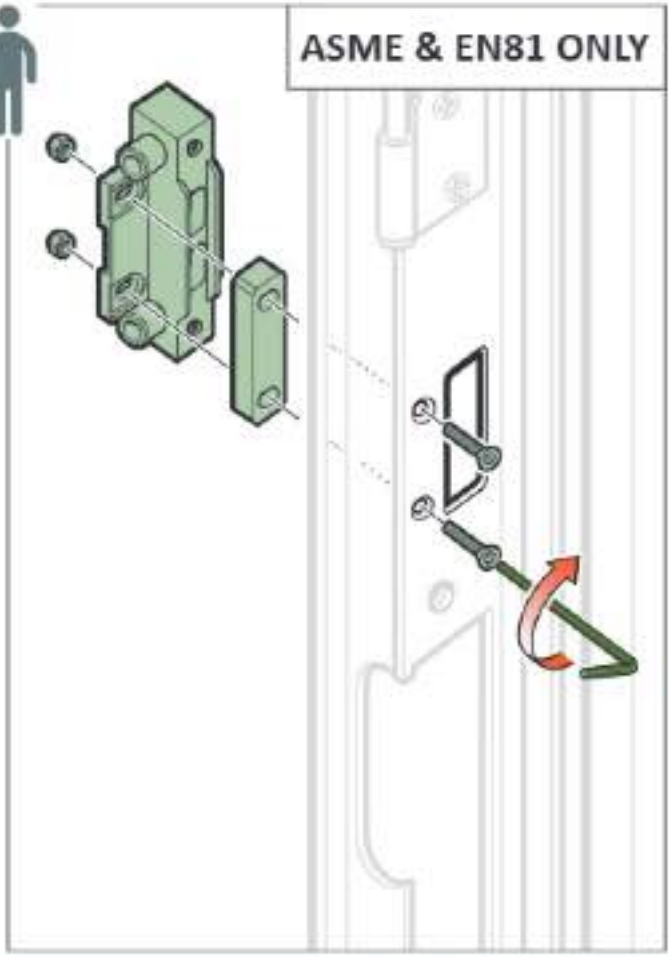


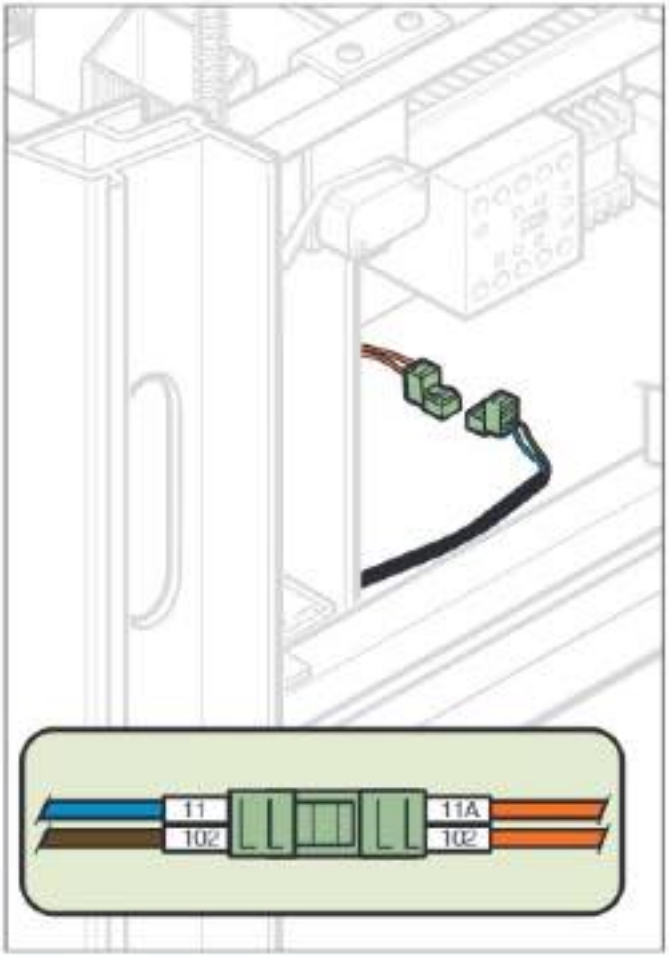
Section 6: Electrical/Mechanical Connections



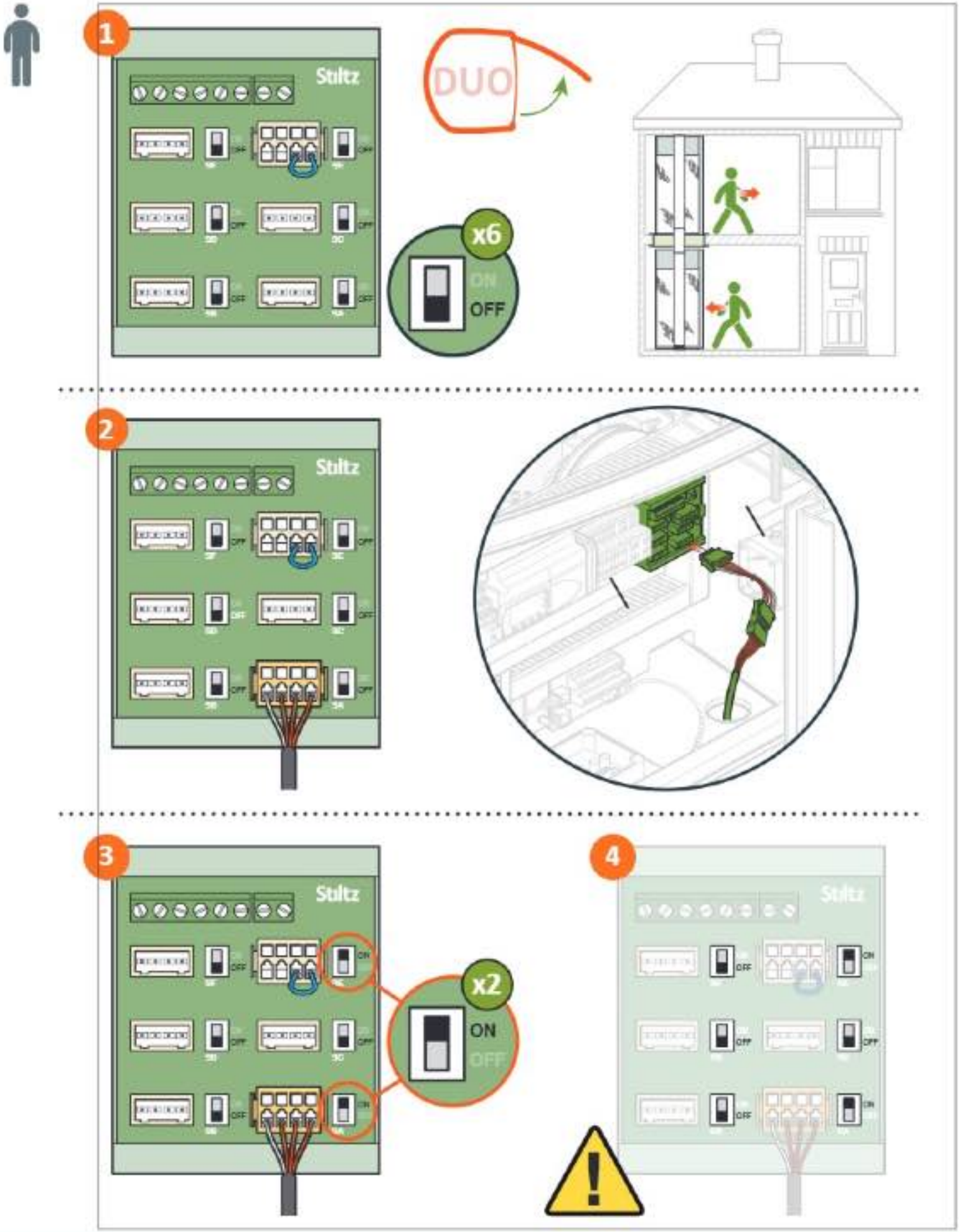


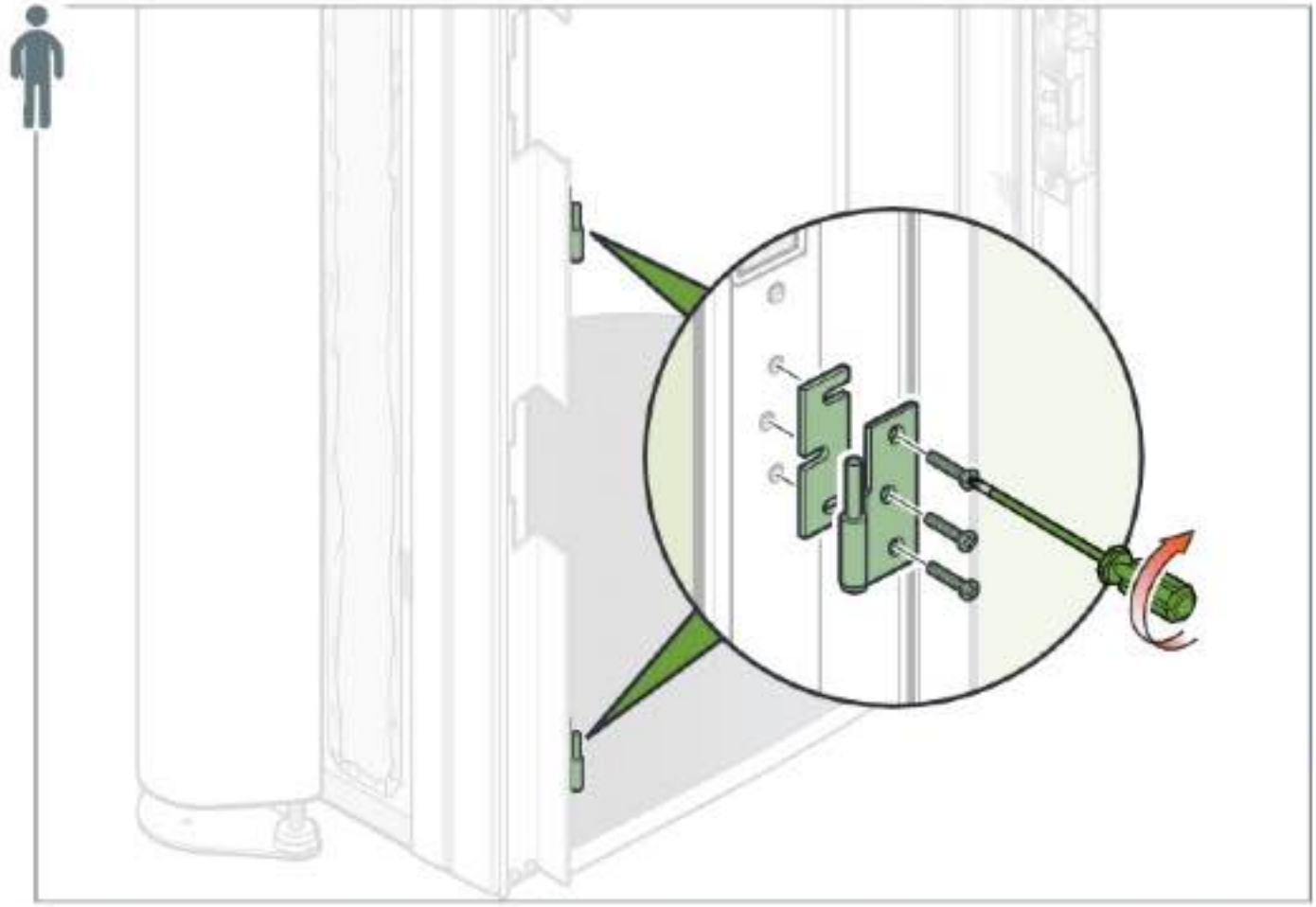


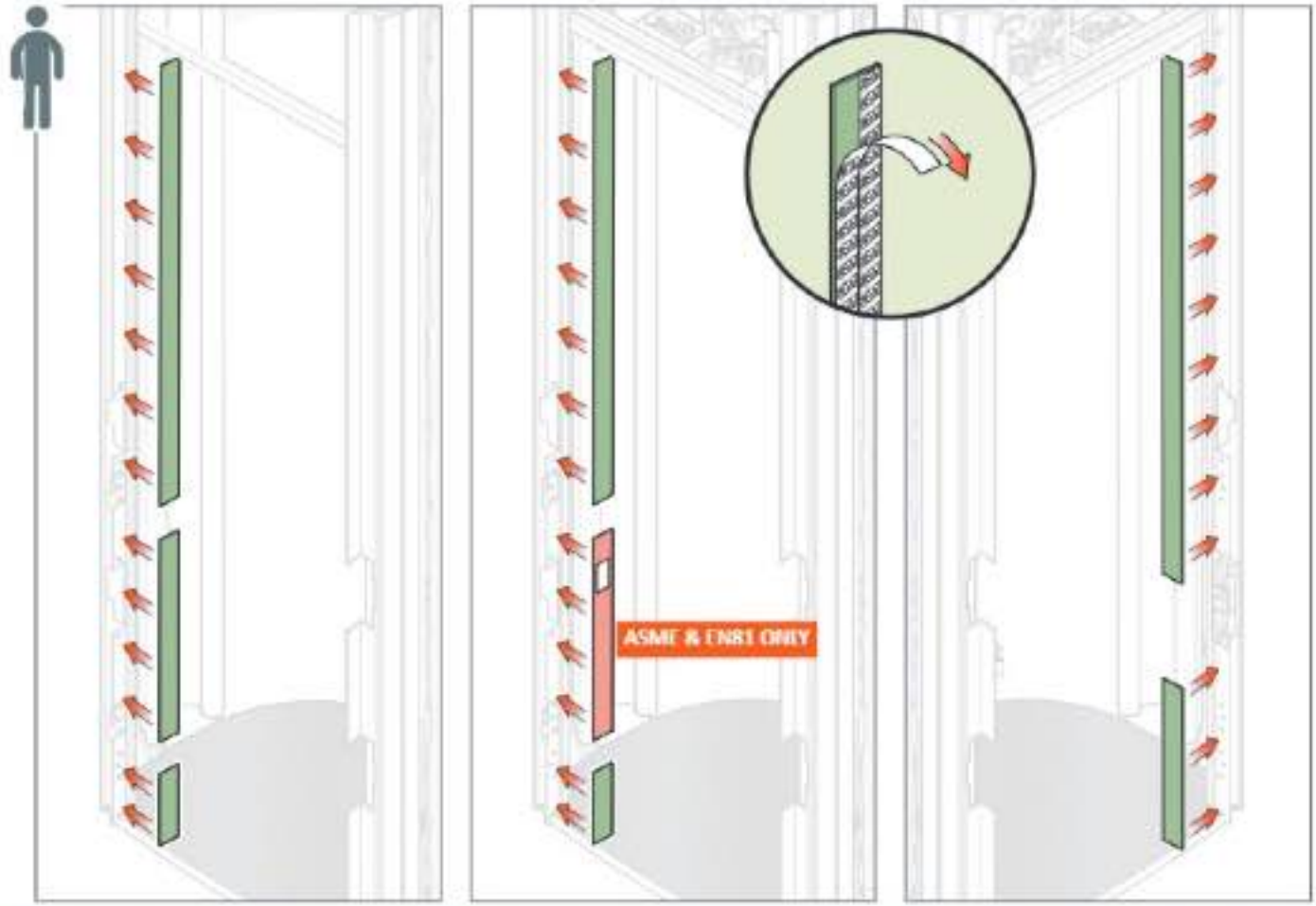

ASME & EN81 ONLY


11
102
11A
102

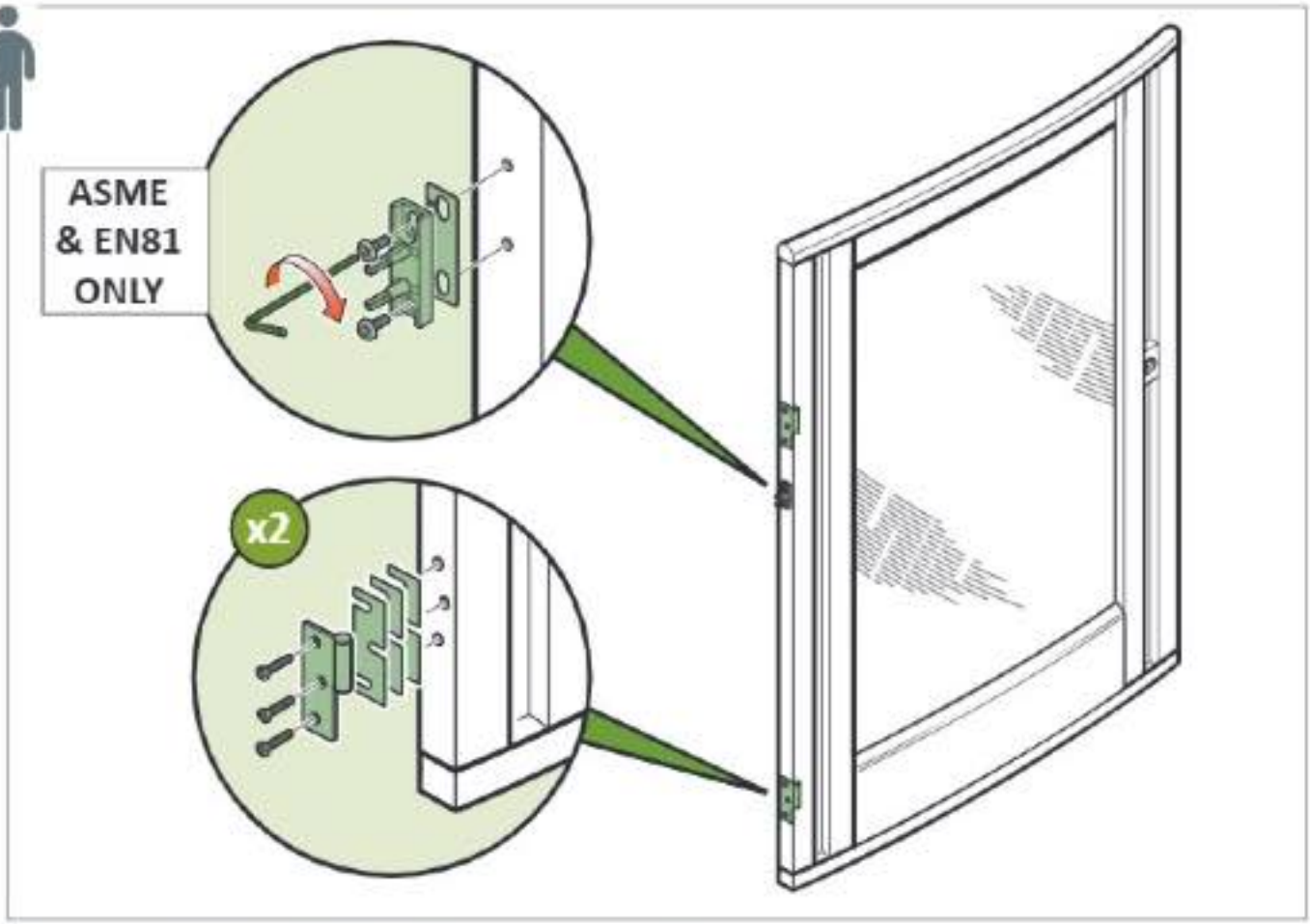
Section 6: Electrical/Mechanical Connections

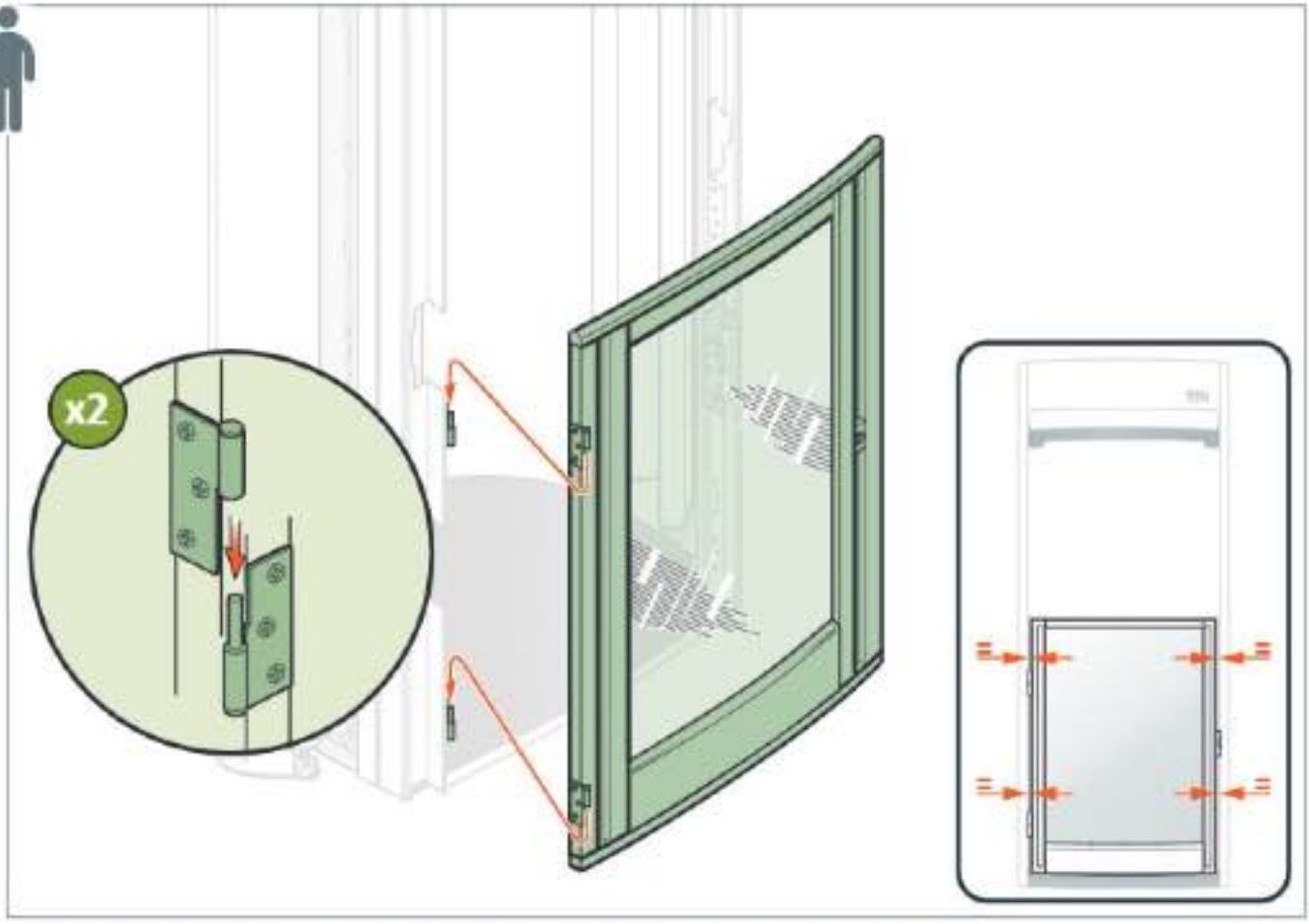


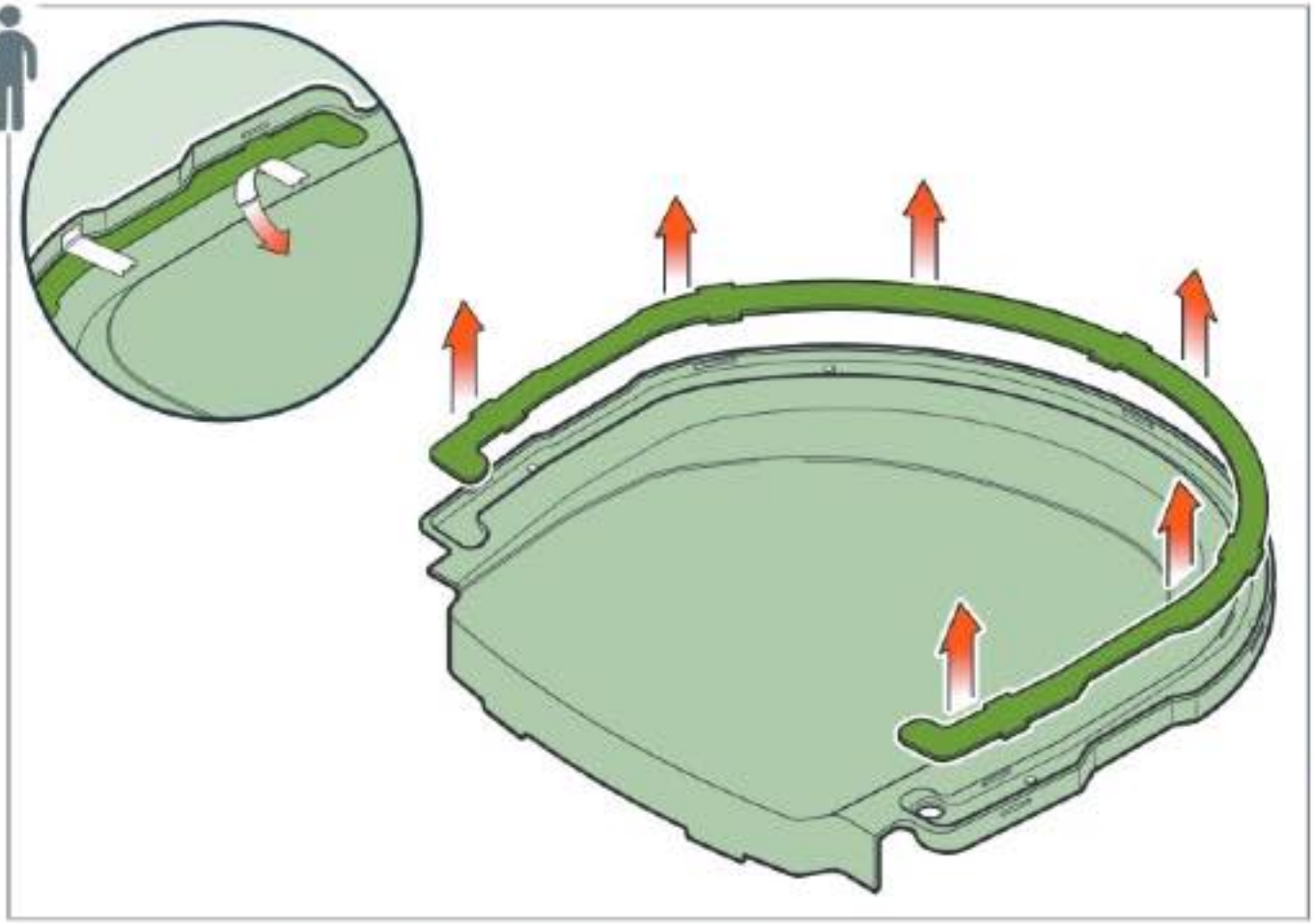


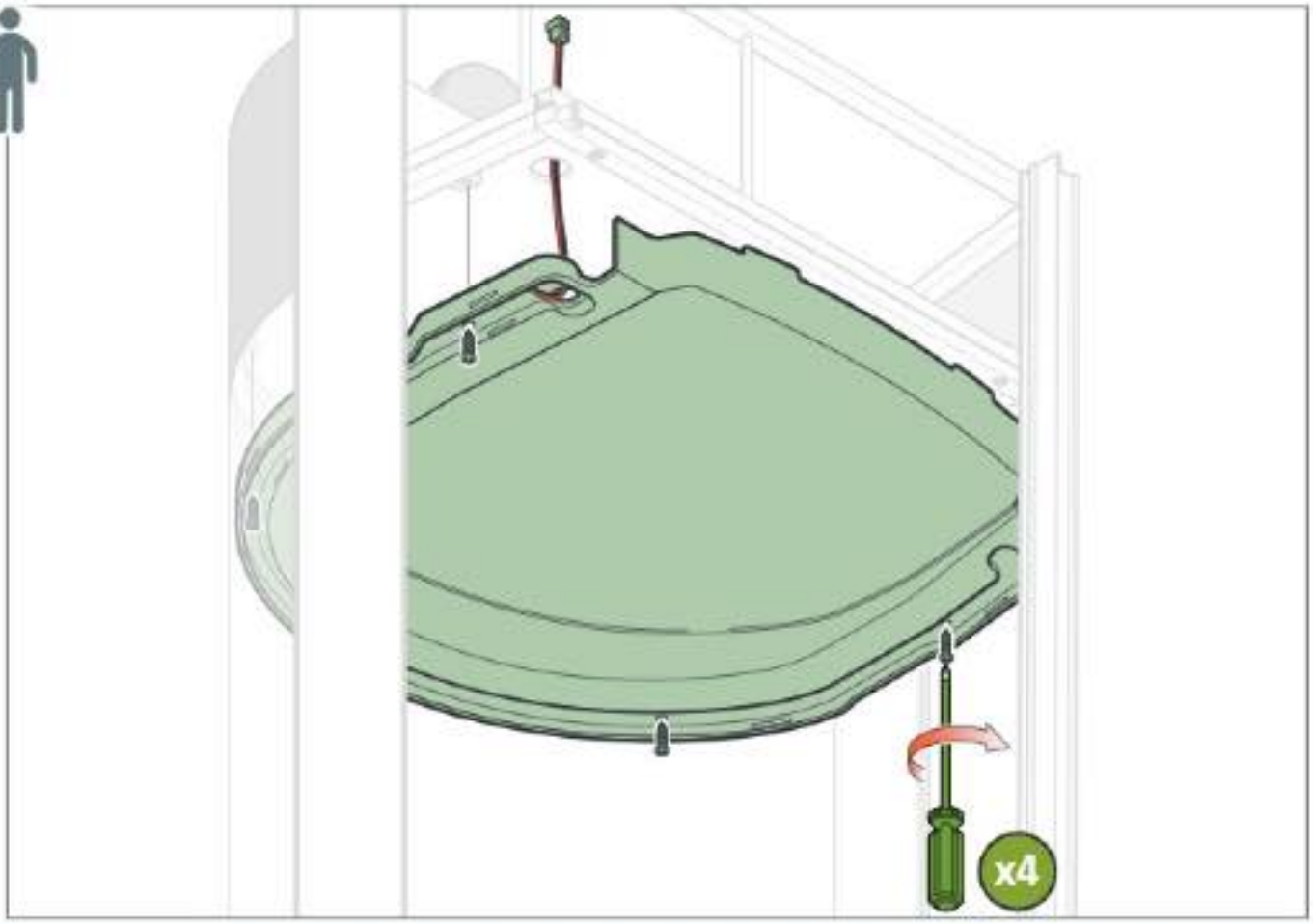

ASME & ENR1 ONLY

Section 6: Electrical/Mechanical Connections

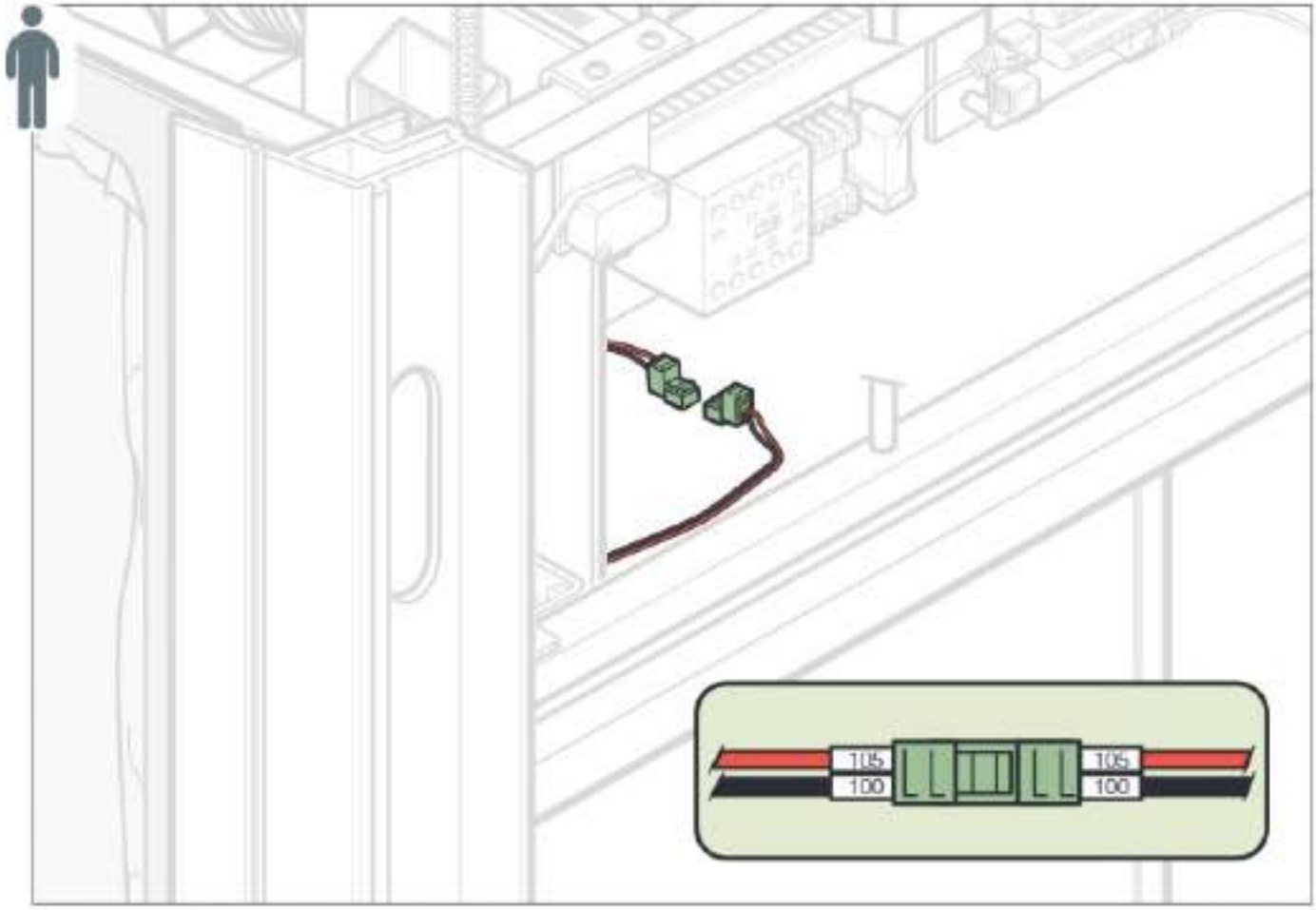


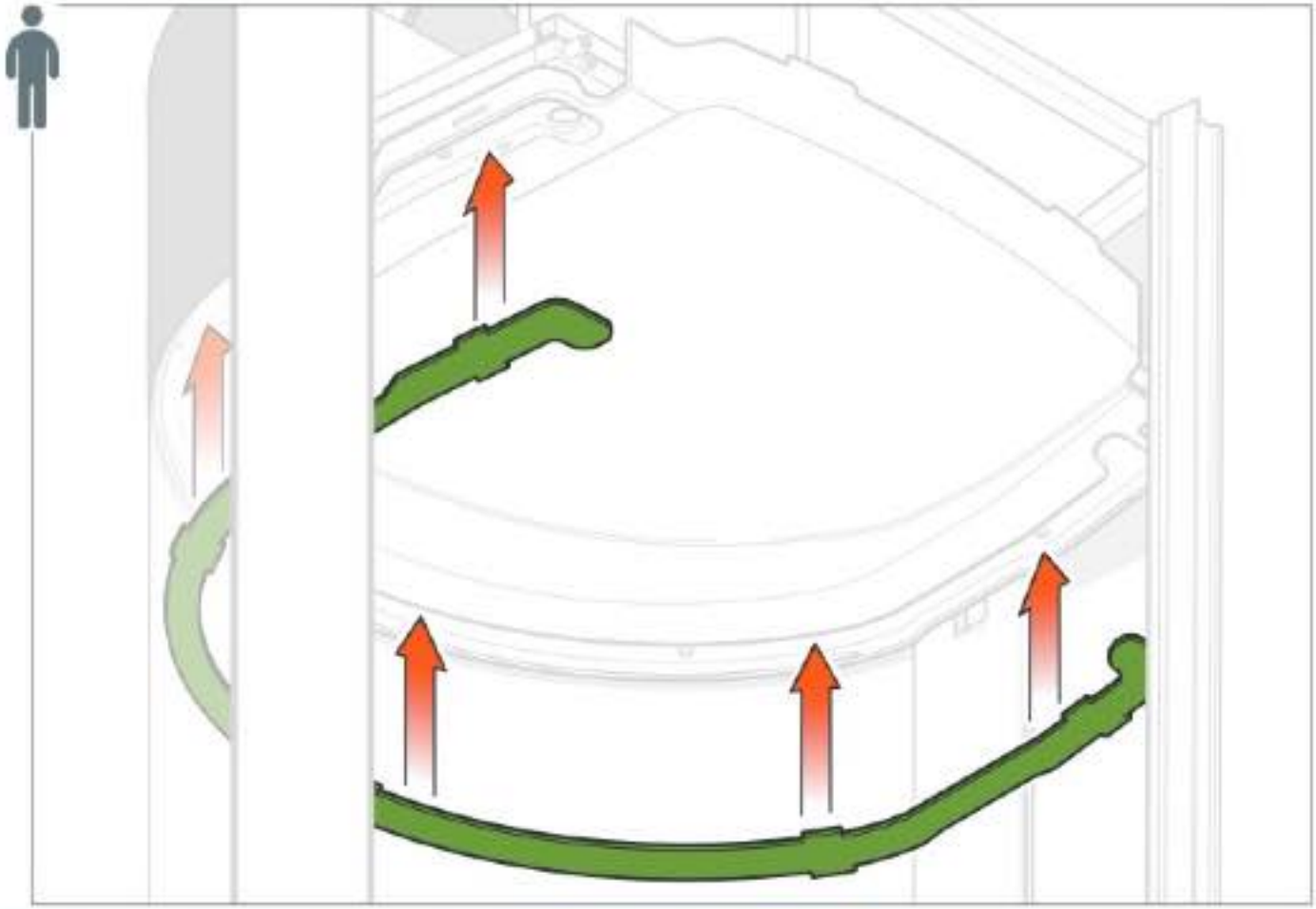


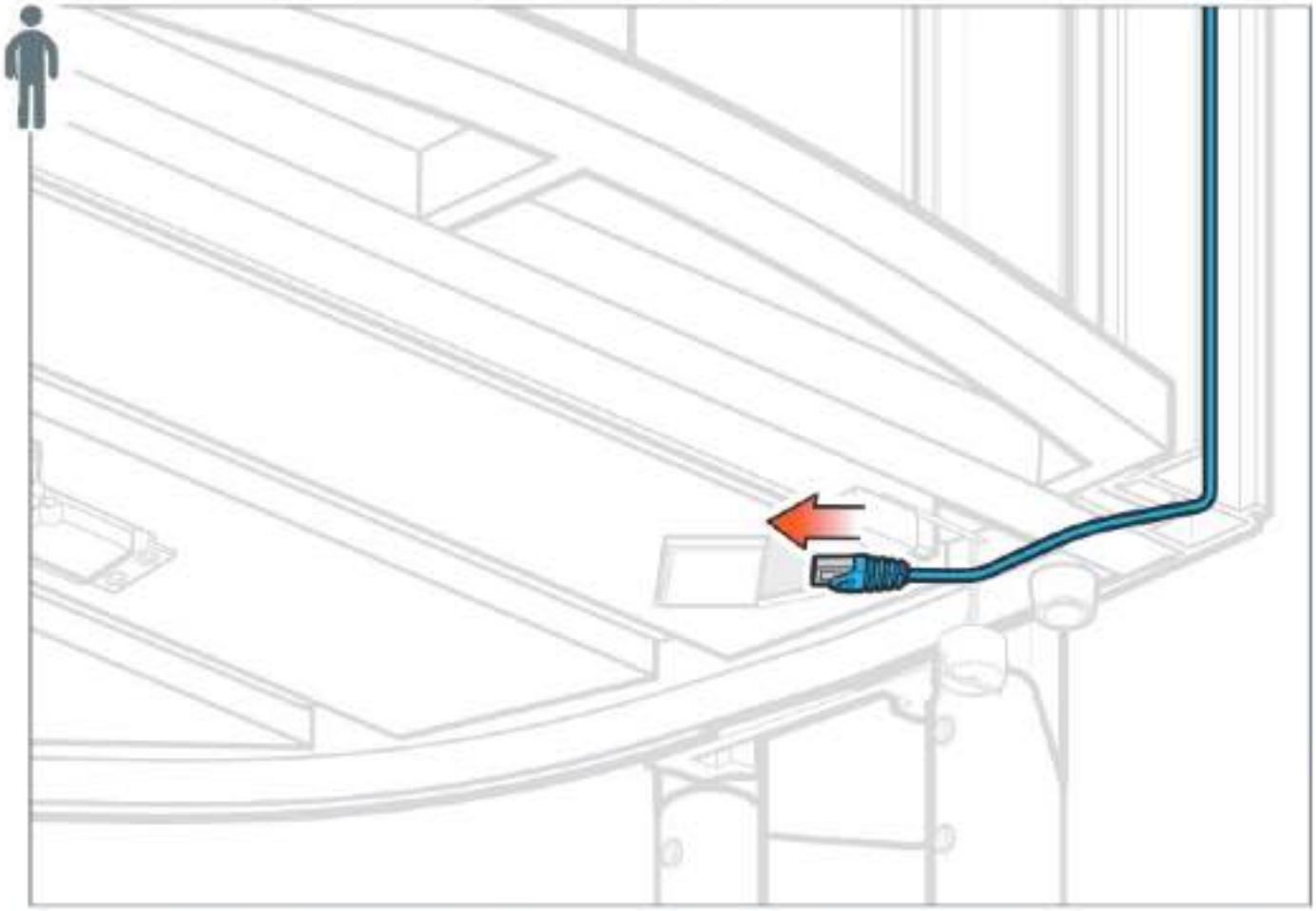


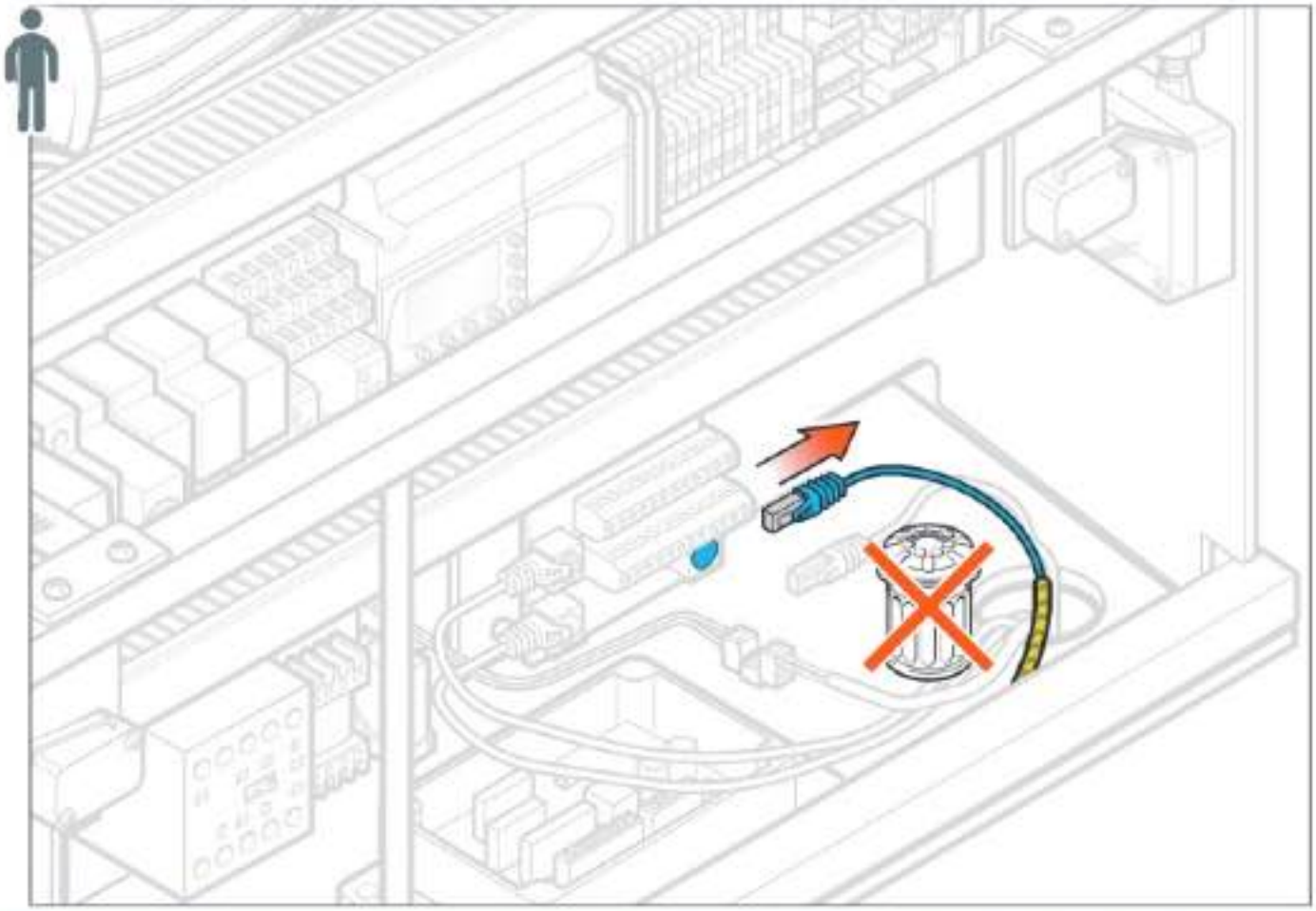

x4

Section 6: Electrical/Mechanical Connections

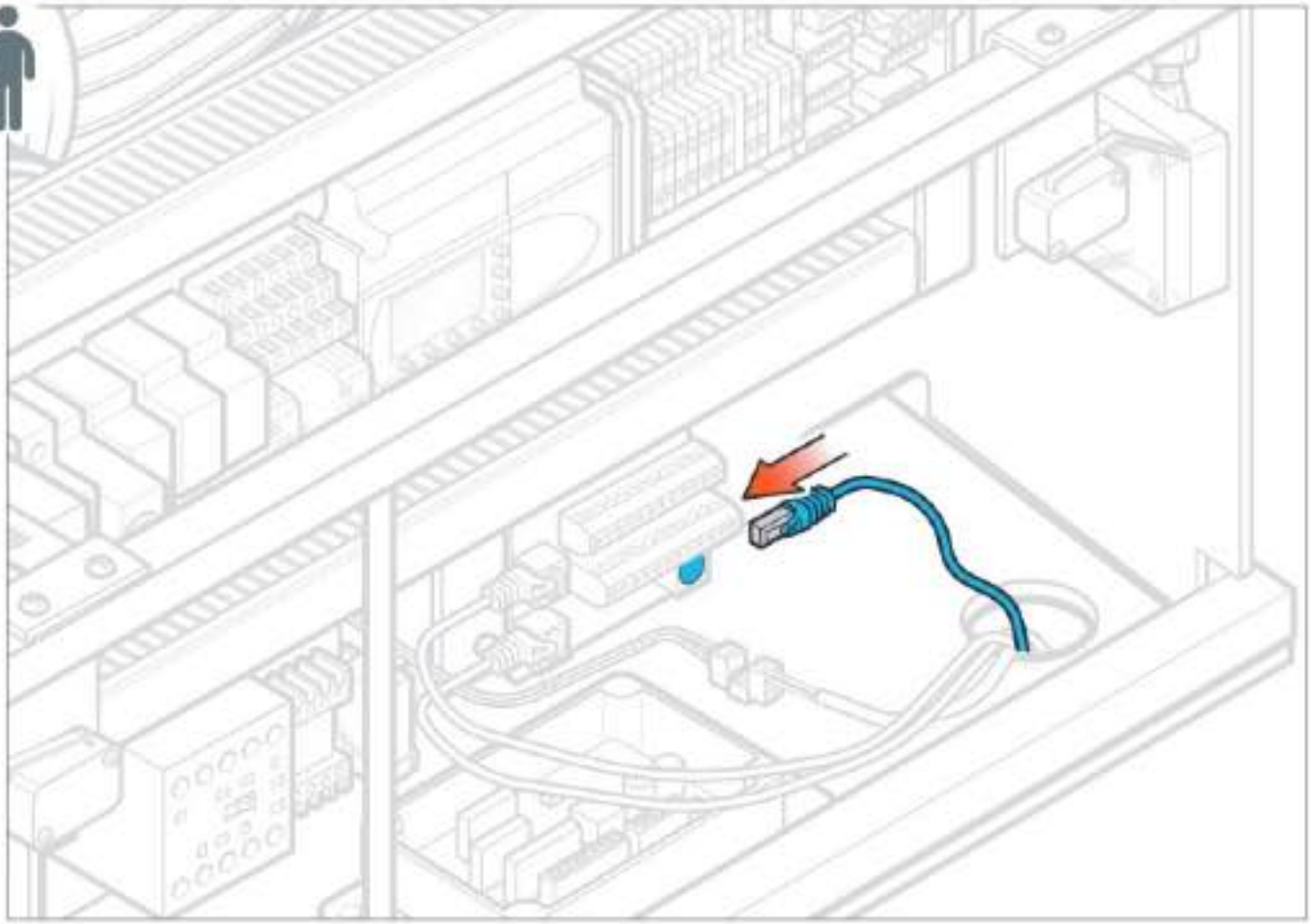


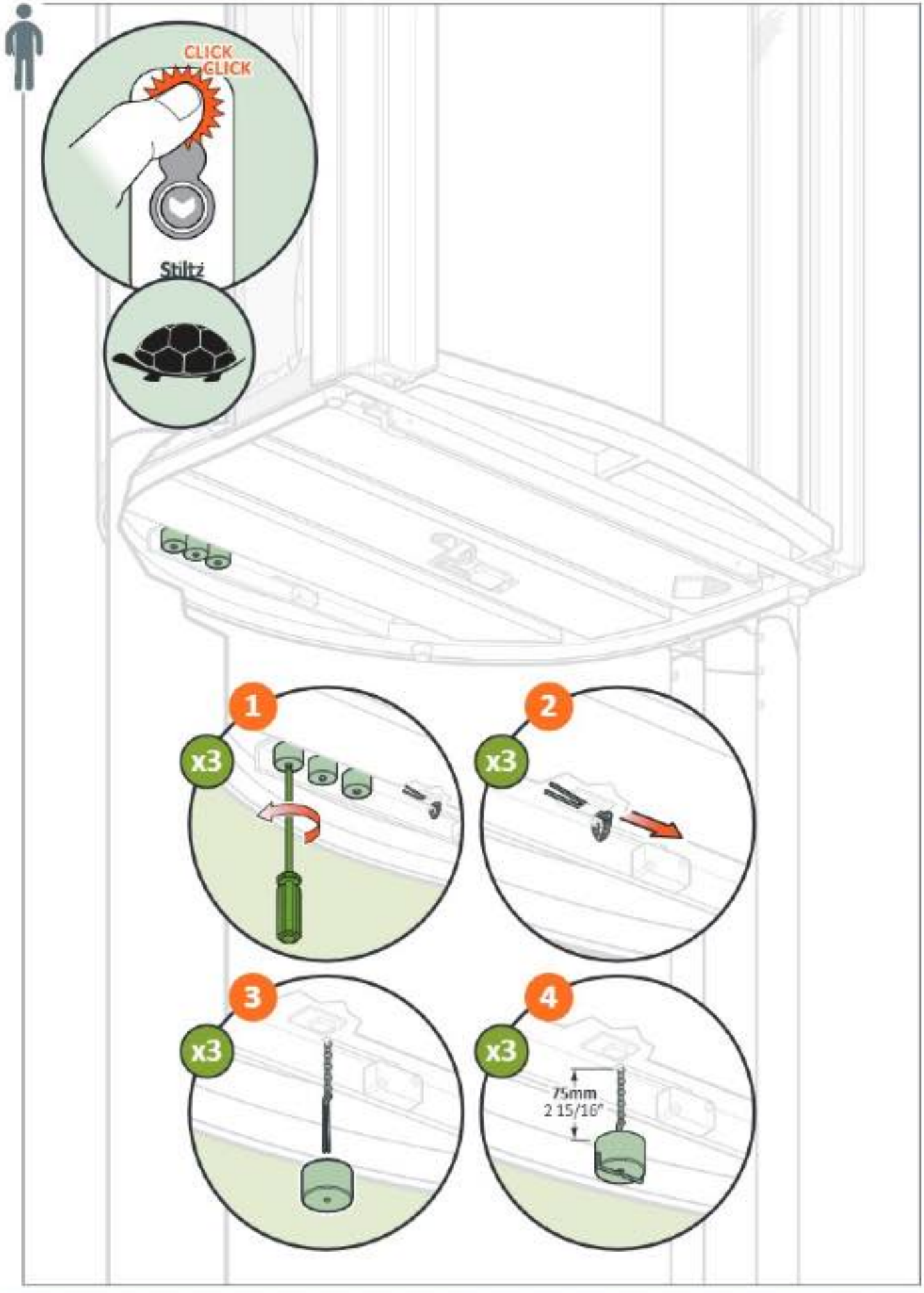




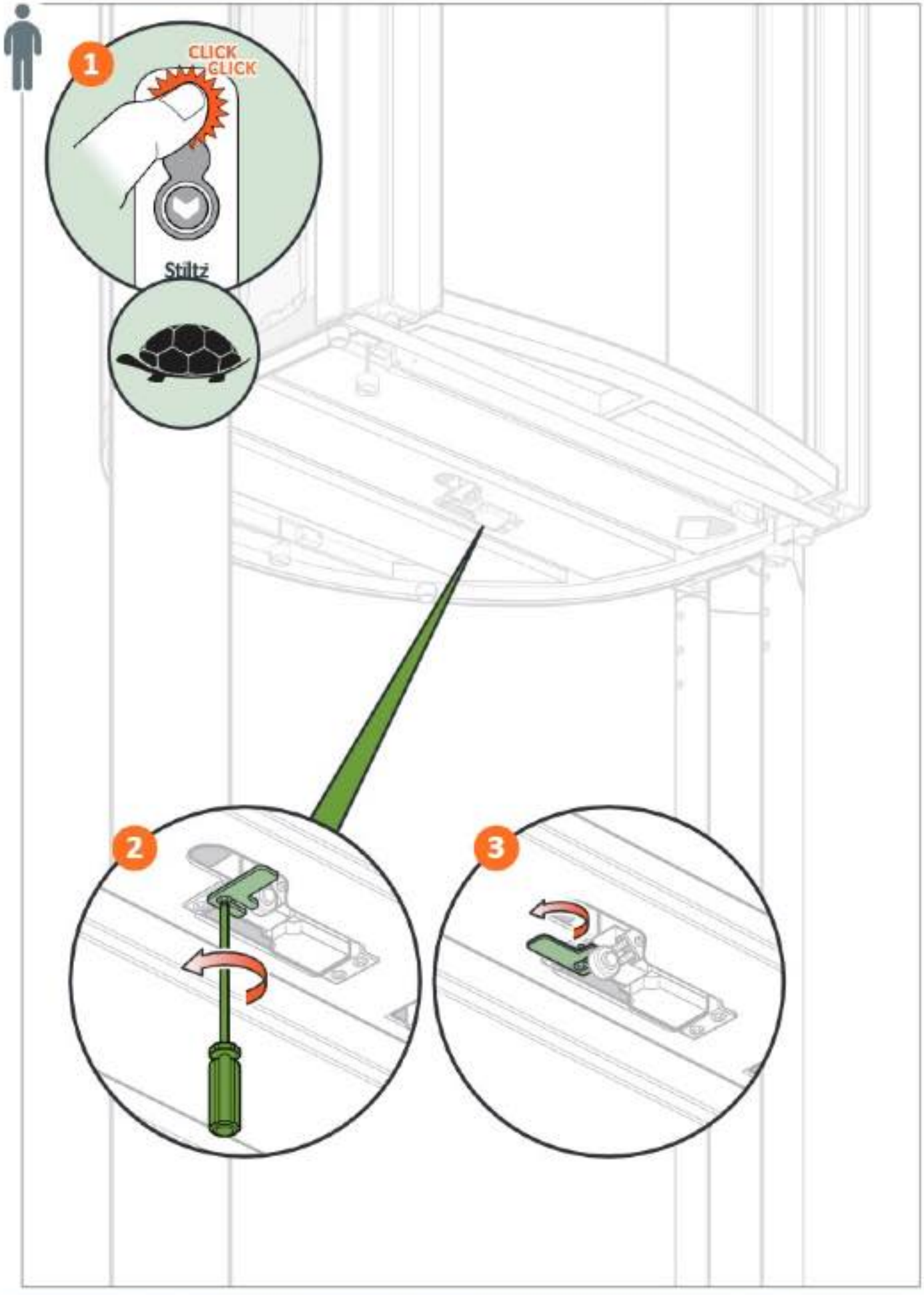


Section 6: Electrical/Mechanical Connections



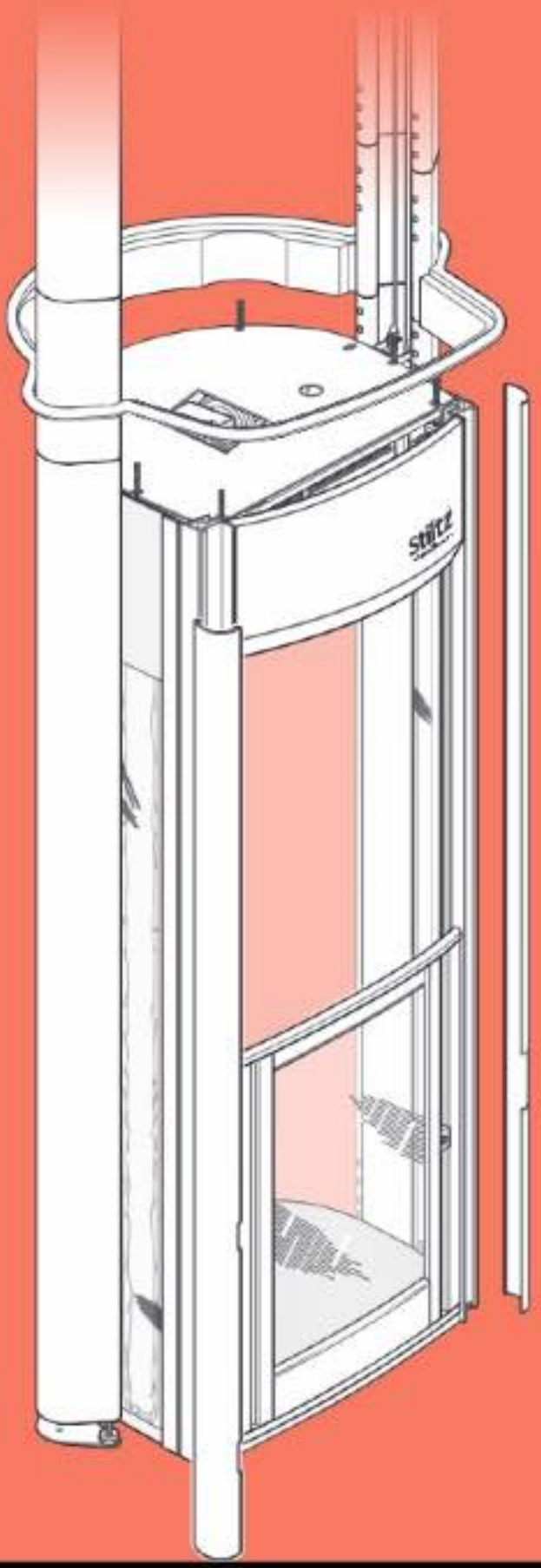

CLICK
CLICK
Stiltz
1
x3
2
x3
3
x3
4
x3
75mm
2 15/16"

Section 6: Electrical/Mechanical Connections



Stiltz™ Homelifts

SECTION 7
Finishing Up Electro/ Mechanical



INSTALLATION GUIDELINES

Section 7: Finishing Up Electrical/Mechanical

Supplied in Installation Kit (sold separately)

30113-00048
T Type Allen Key 4mm



Tools Required

Power Drill



Drill Bits



Allen Keys (Metric)



Stanley Knife



Pop Rivet Gun



Cross Screwdriver



Flat Screwdriver



Spanners



Spirit Level



Spray Lubricant



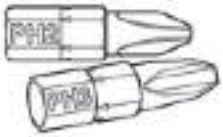
Electrical Multi Meter



Steps



PH2 + PH3 Bits



Long Nose Pliers

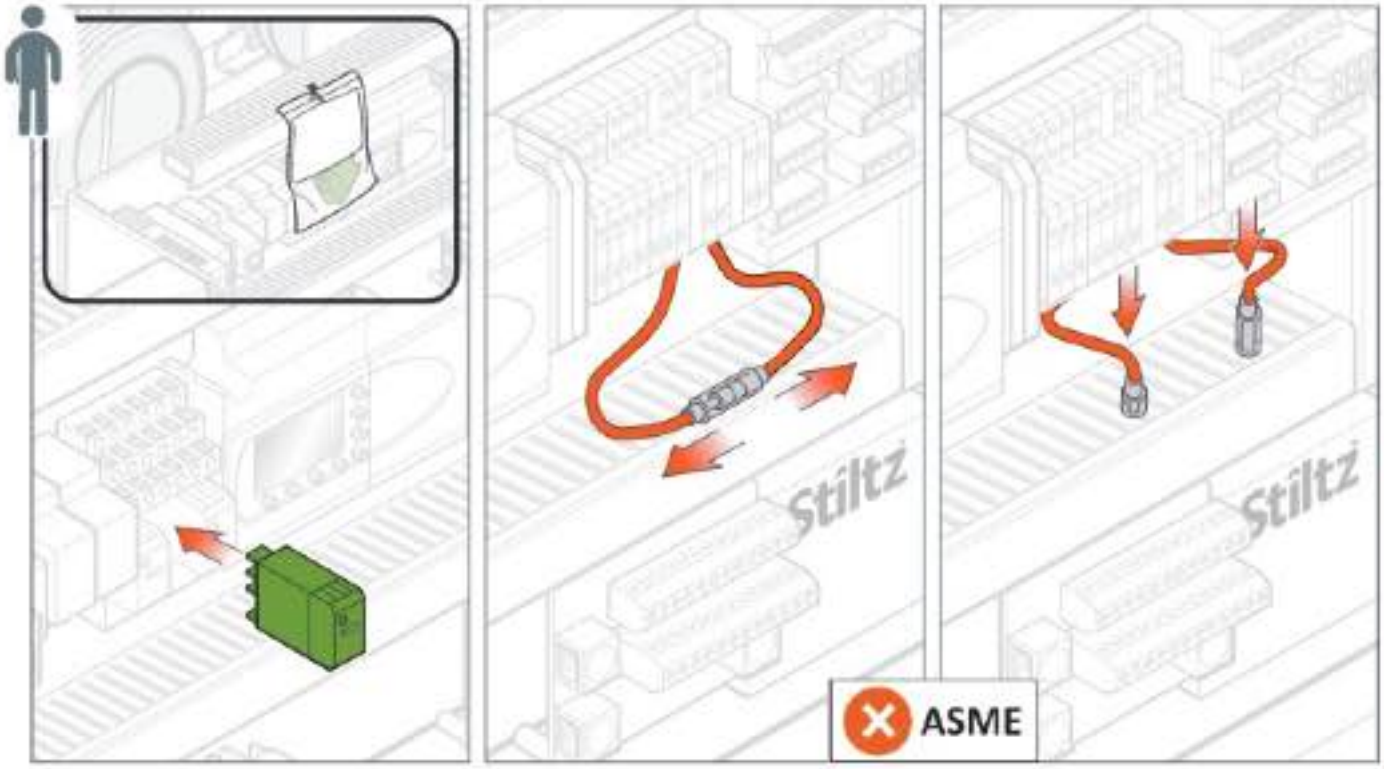


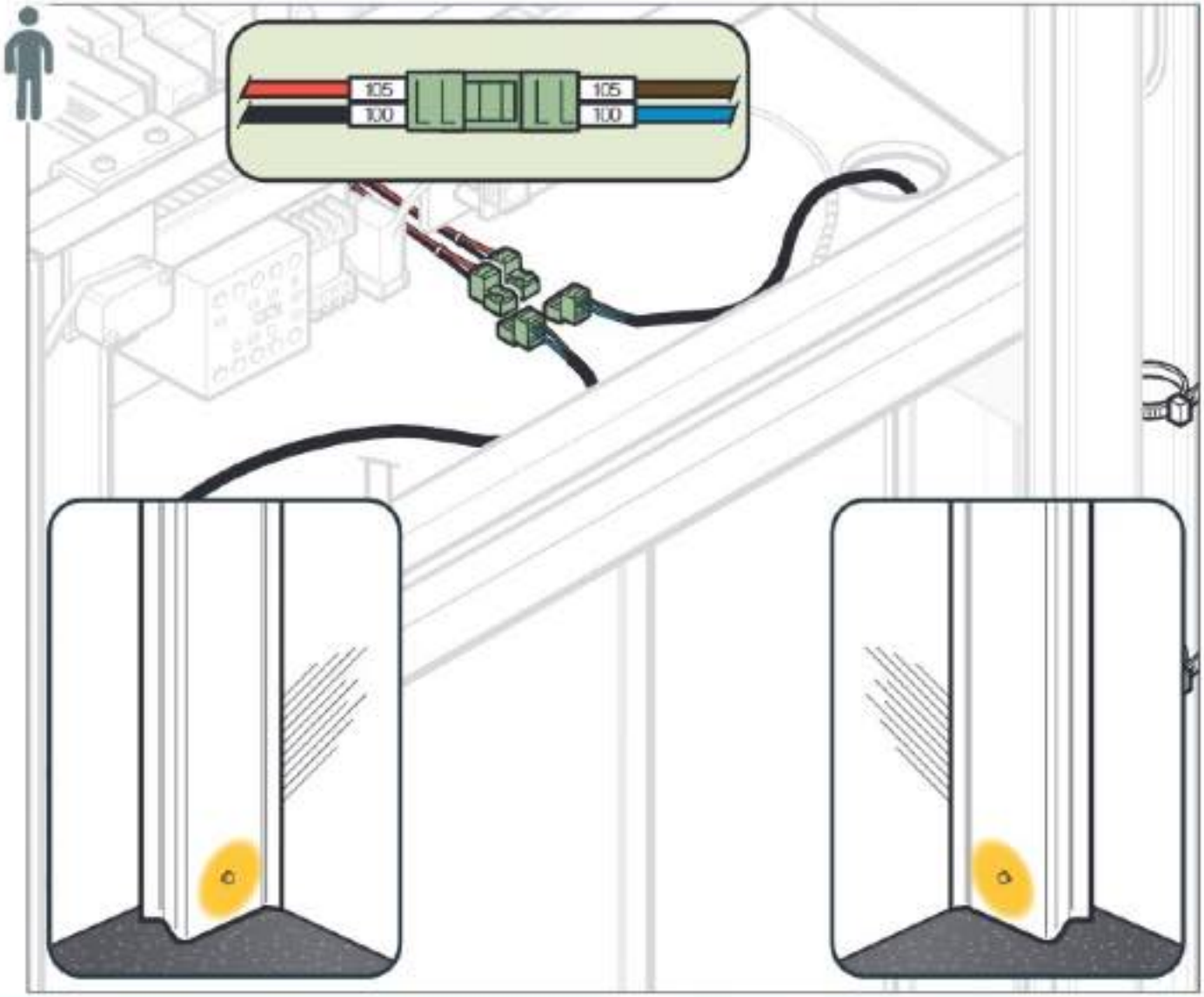
Vacuum Cleaner



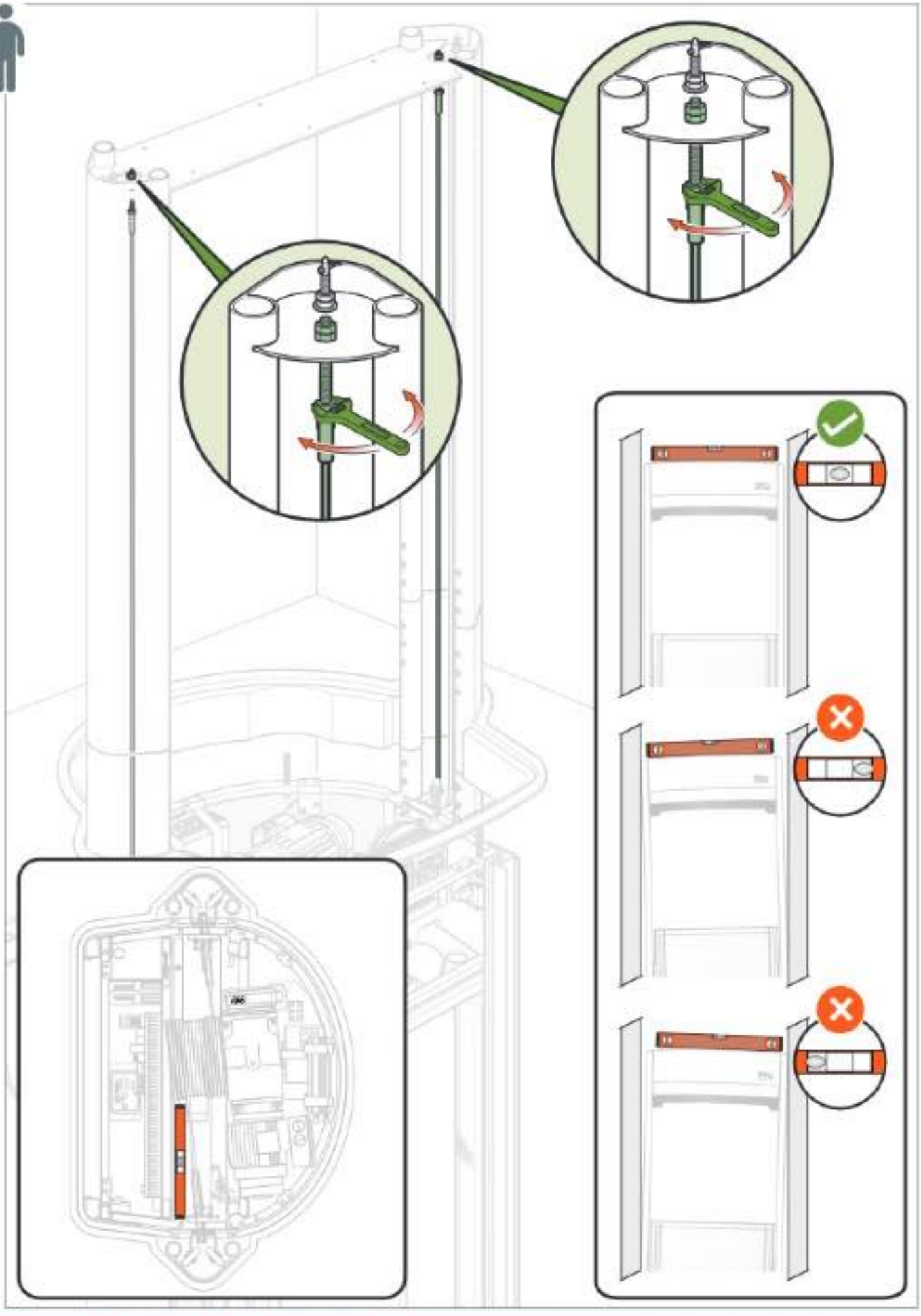
Adjustable Wrench

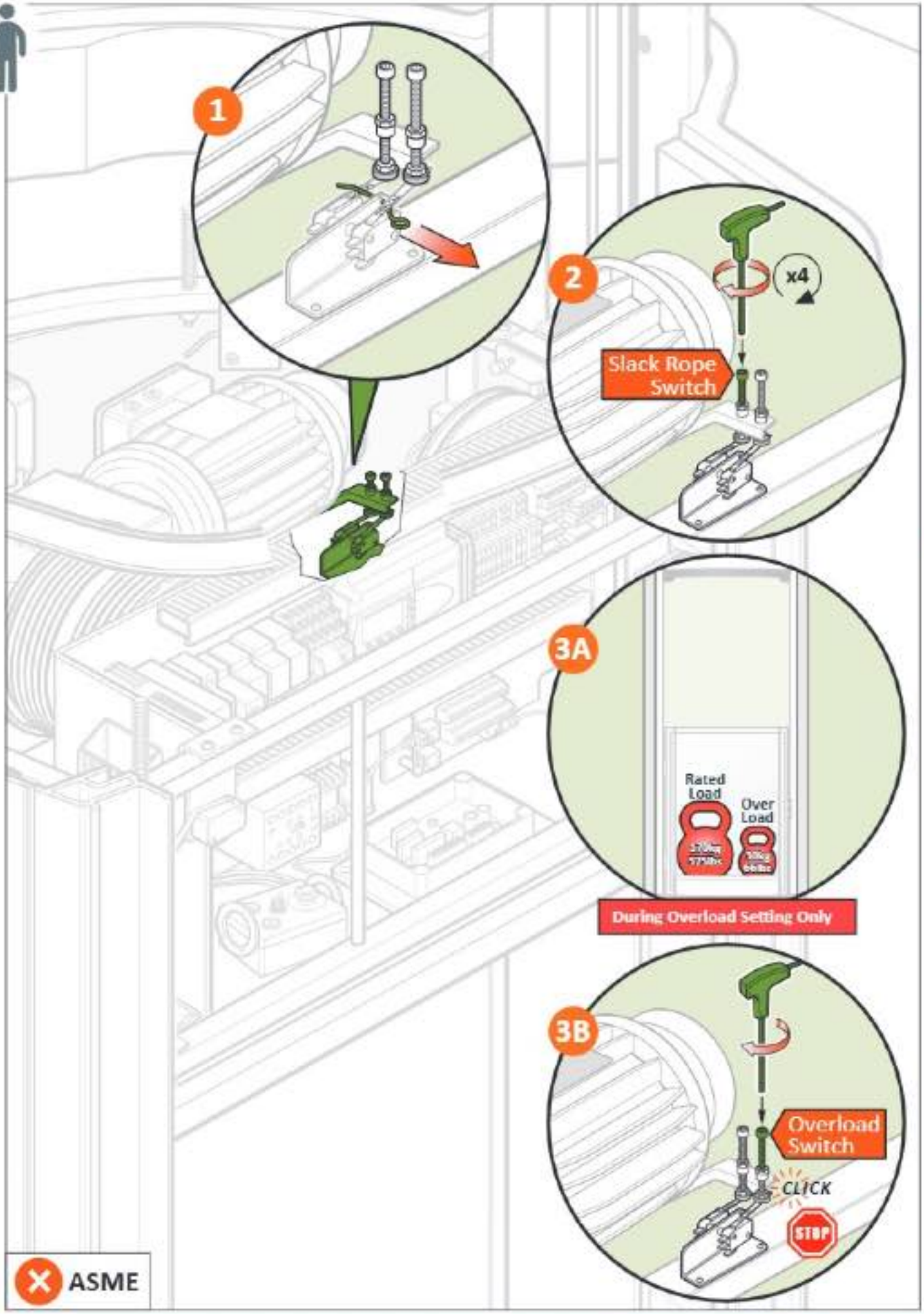



Stiltz
Stiltz
ASME

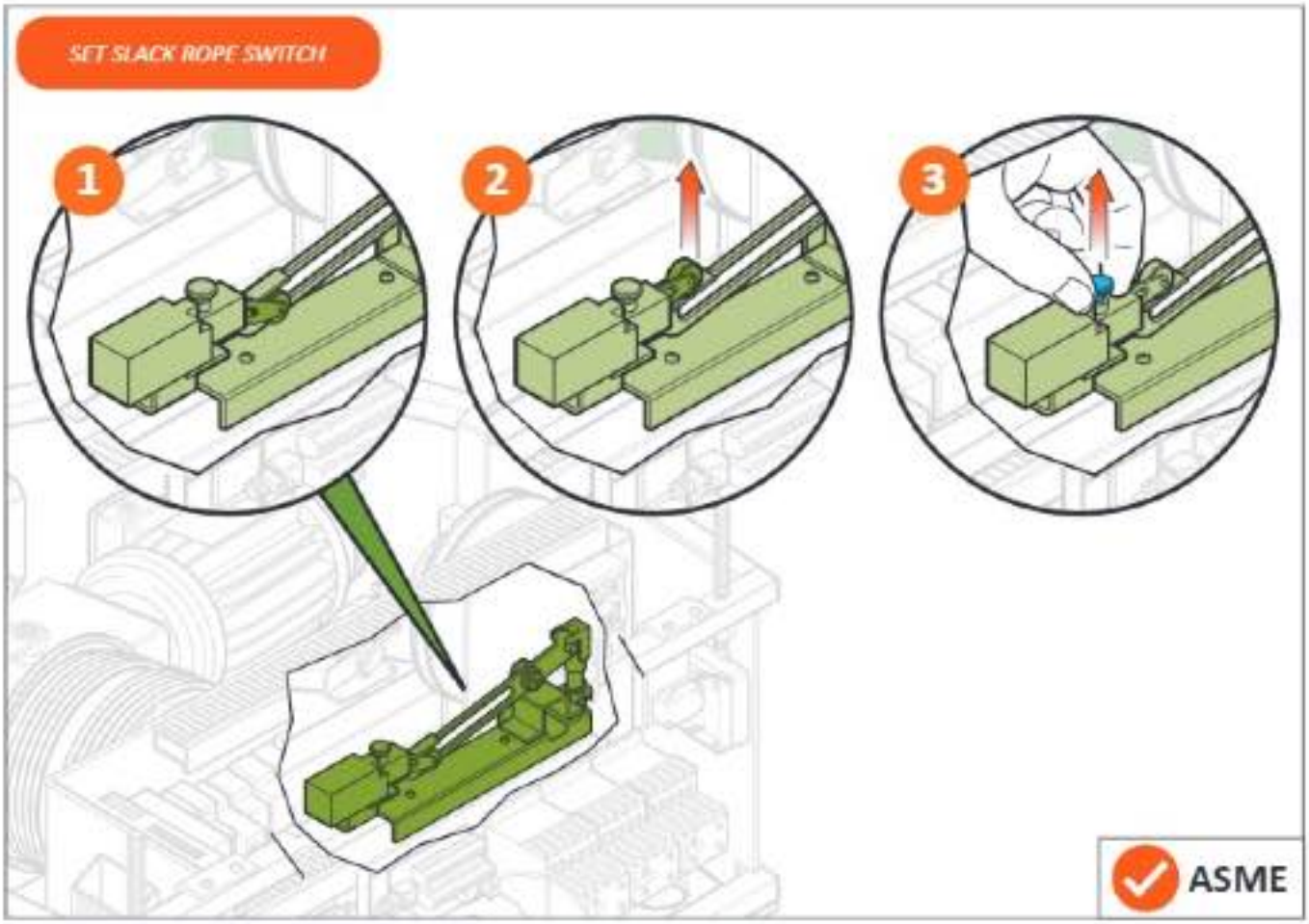

105
100
105
100

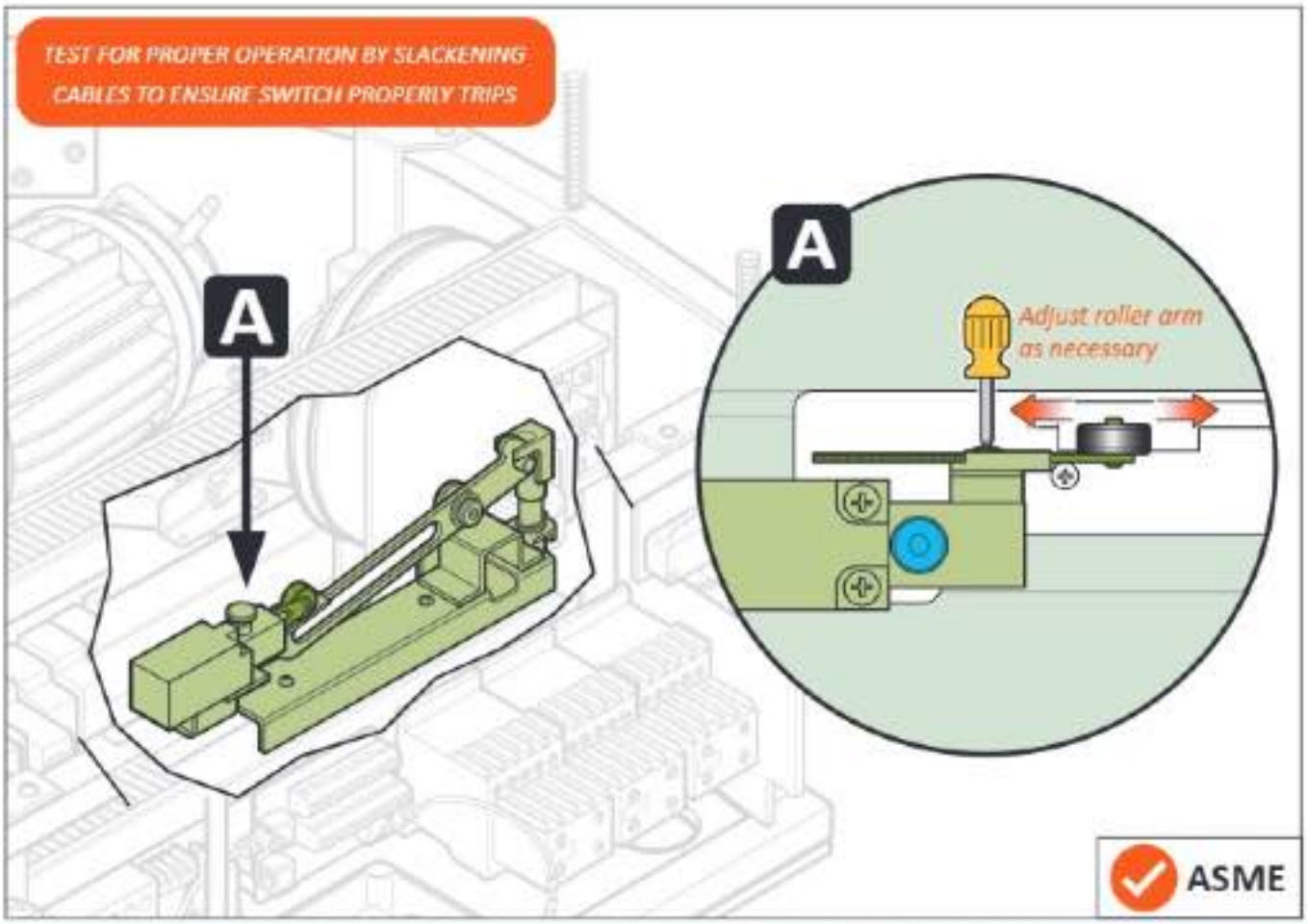
Section 7: Finishing Up Electrical/Mechanical



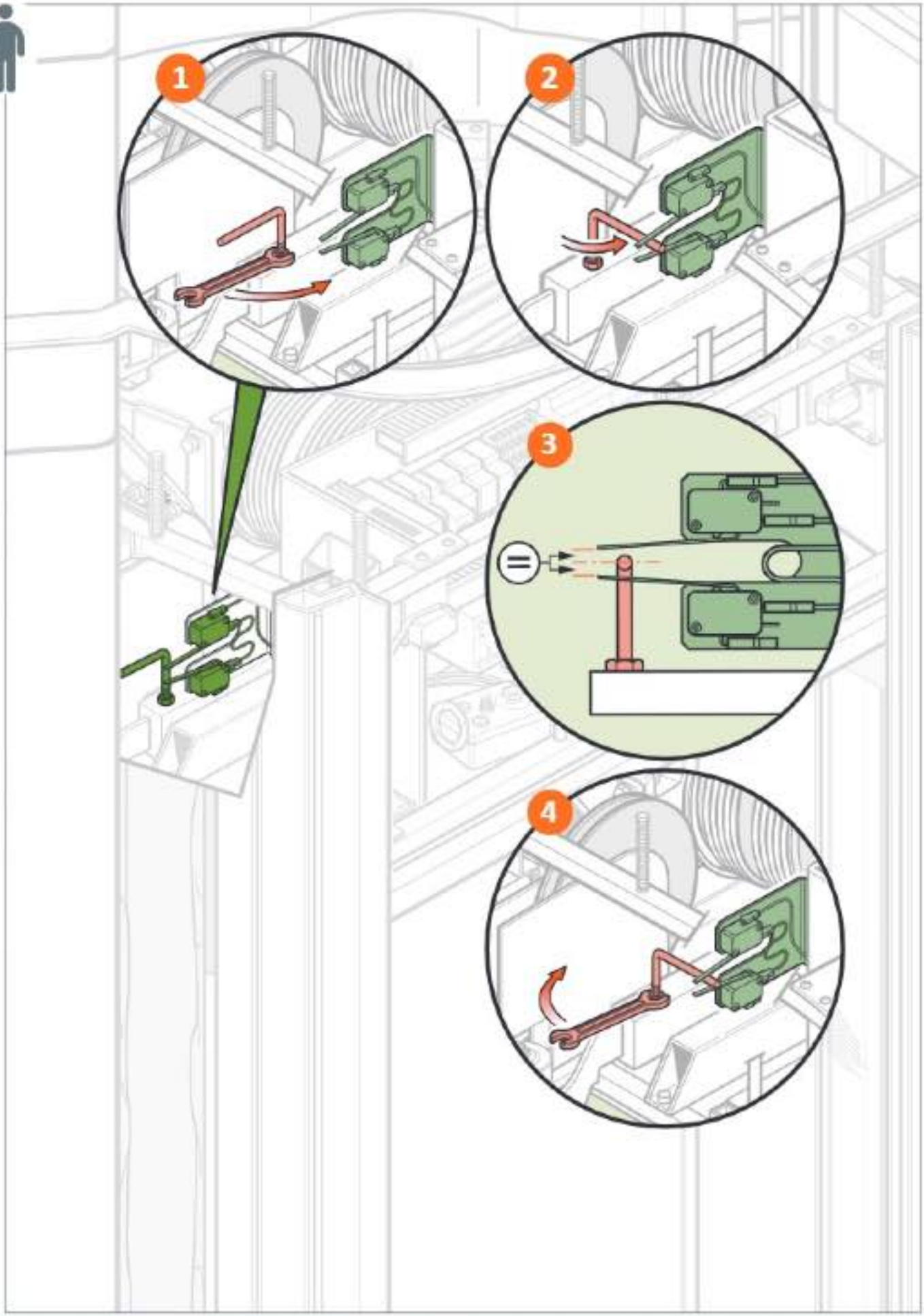

1
2
x4
Slack Rope Switch
3A
Rated Load
Over Load
During Overload Setting Only
3B
Overload Switch
CLICK
STOP
ASME

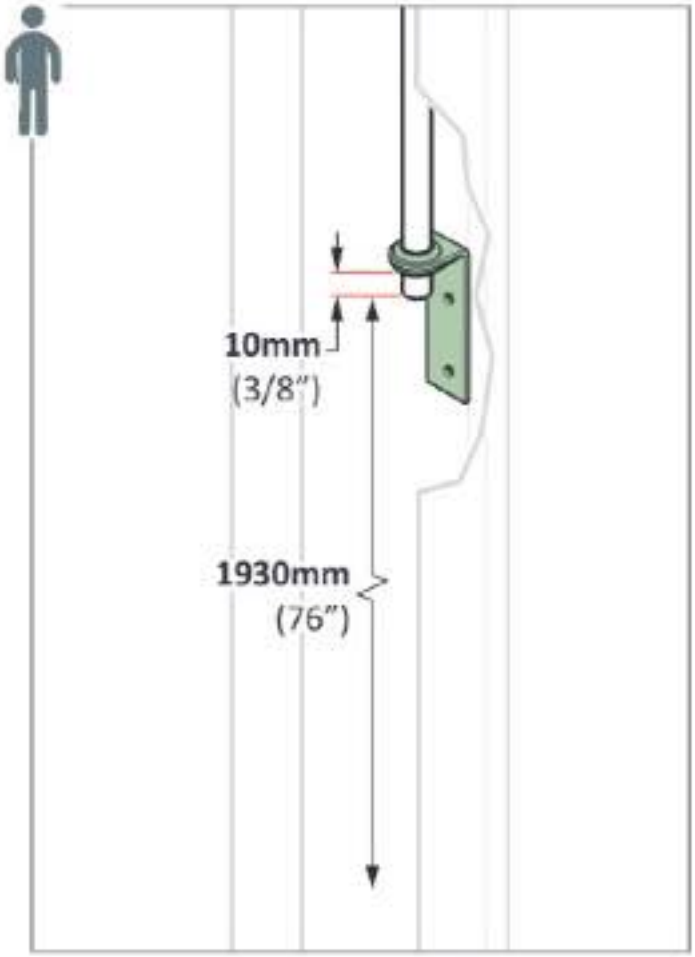
Section 4: Hoist Preparation

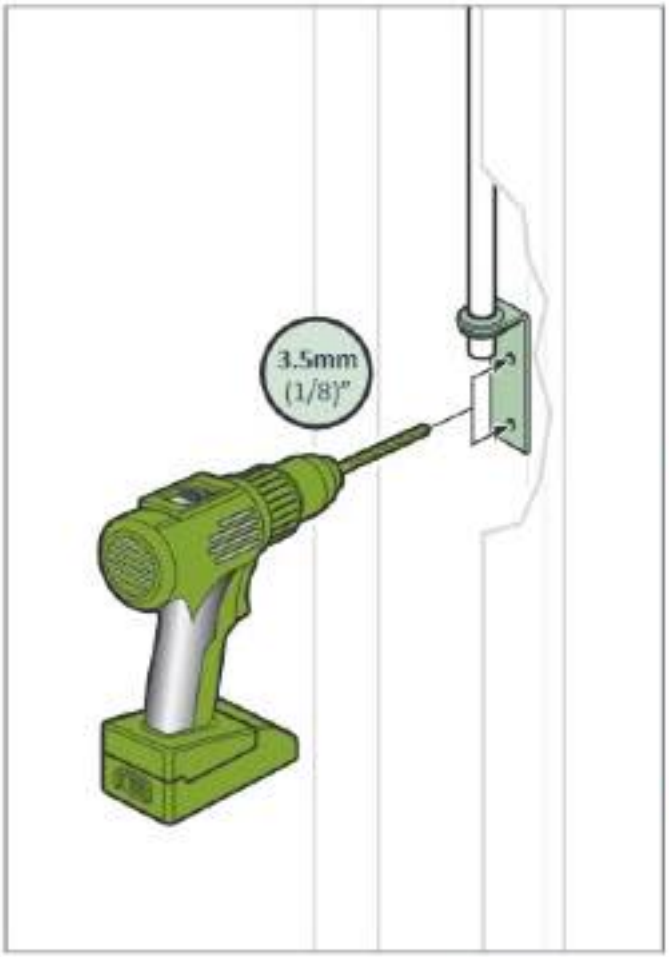


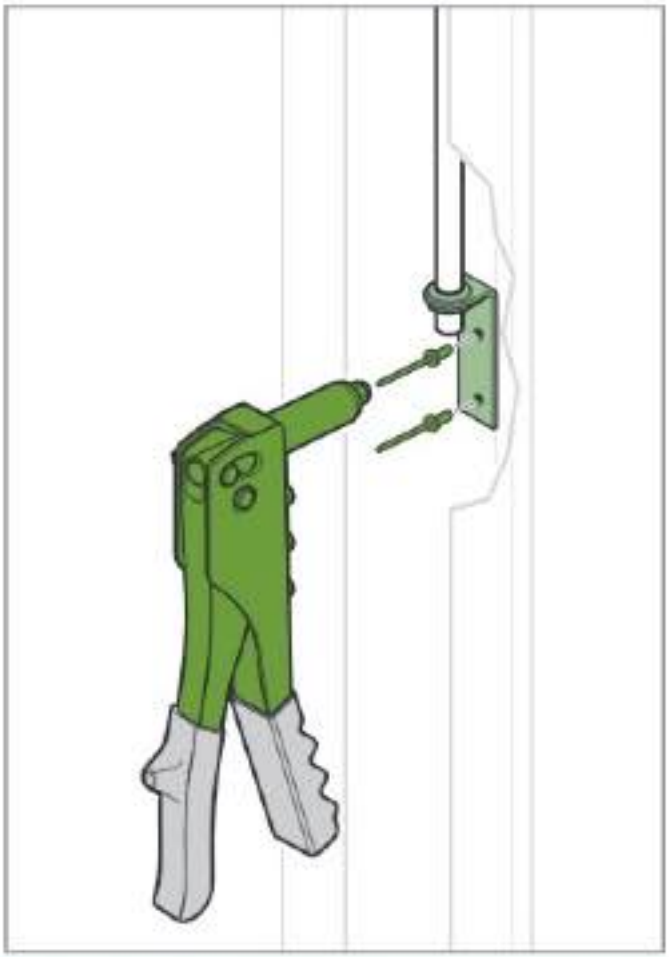


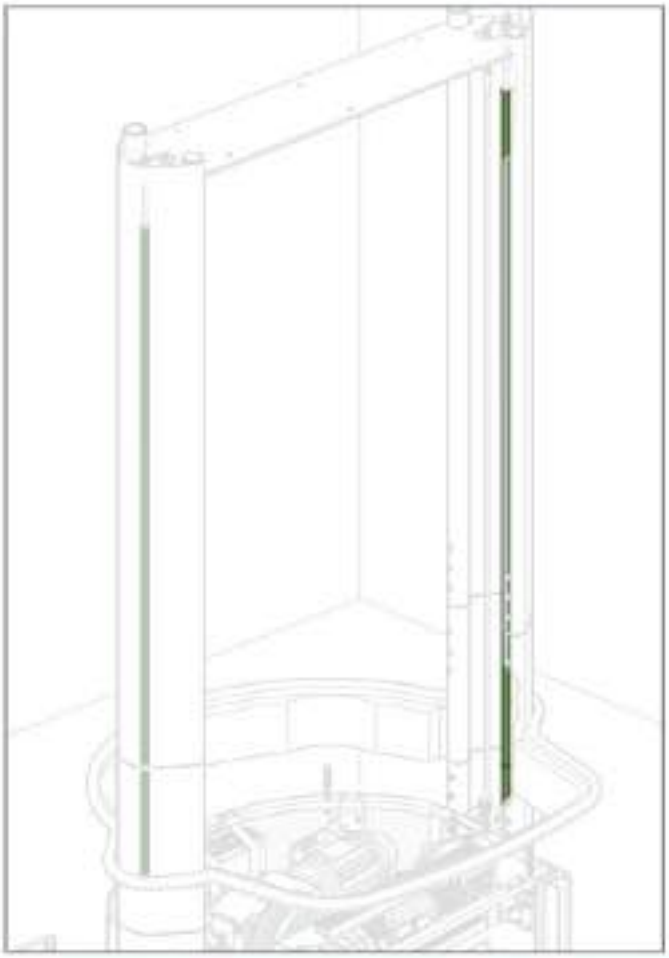
Section 7: Finishing Up Electrical/Mechanical



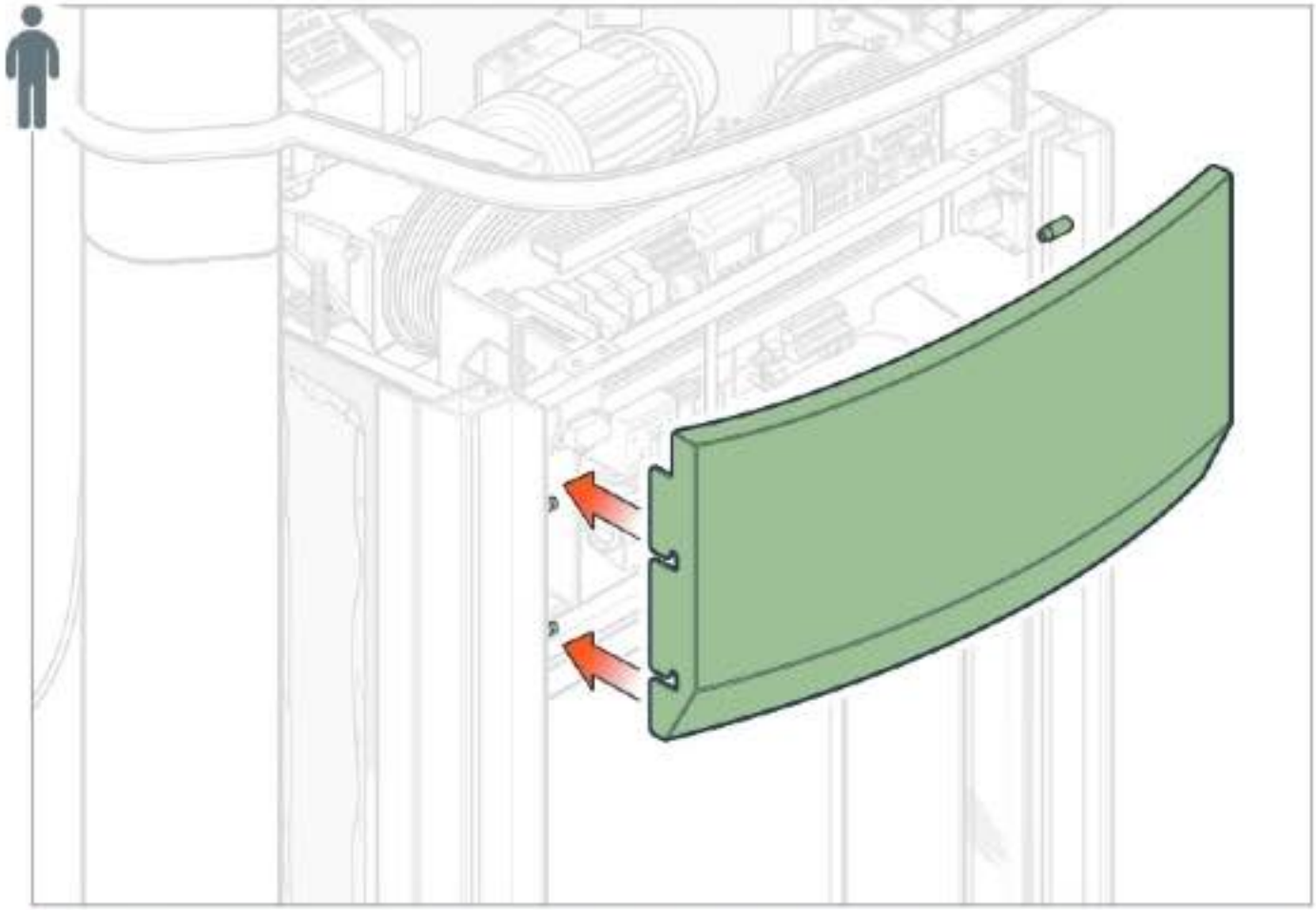

10mm
(3/8")
1930mm
(76")

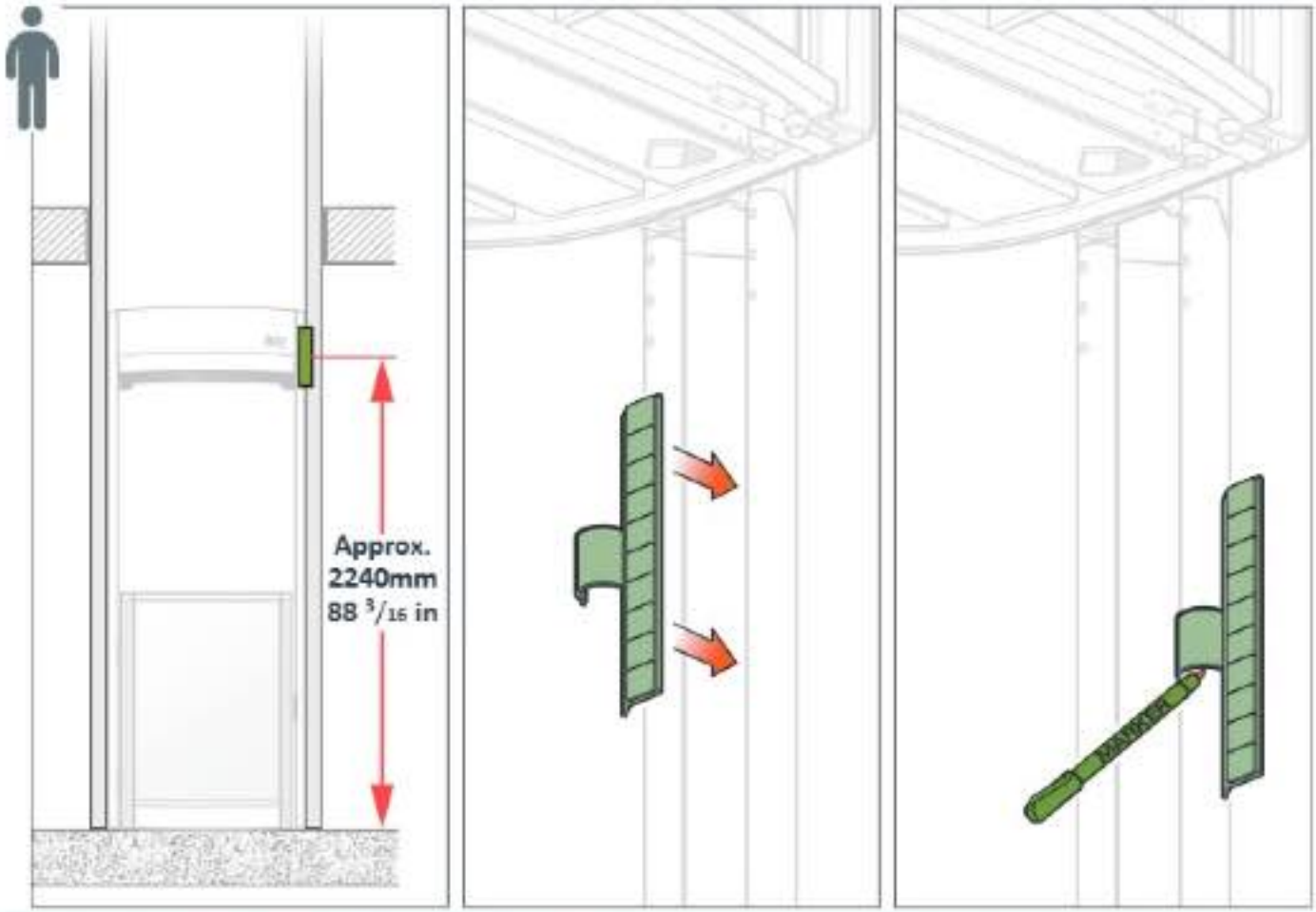

3.5mm
(1/8")

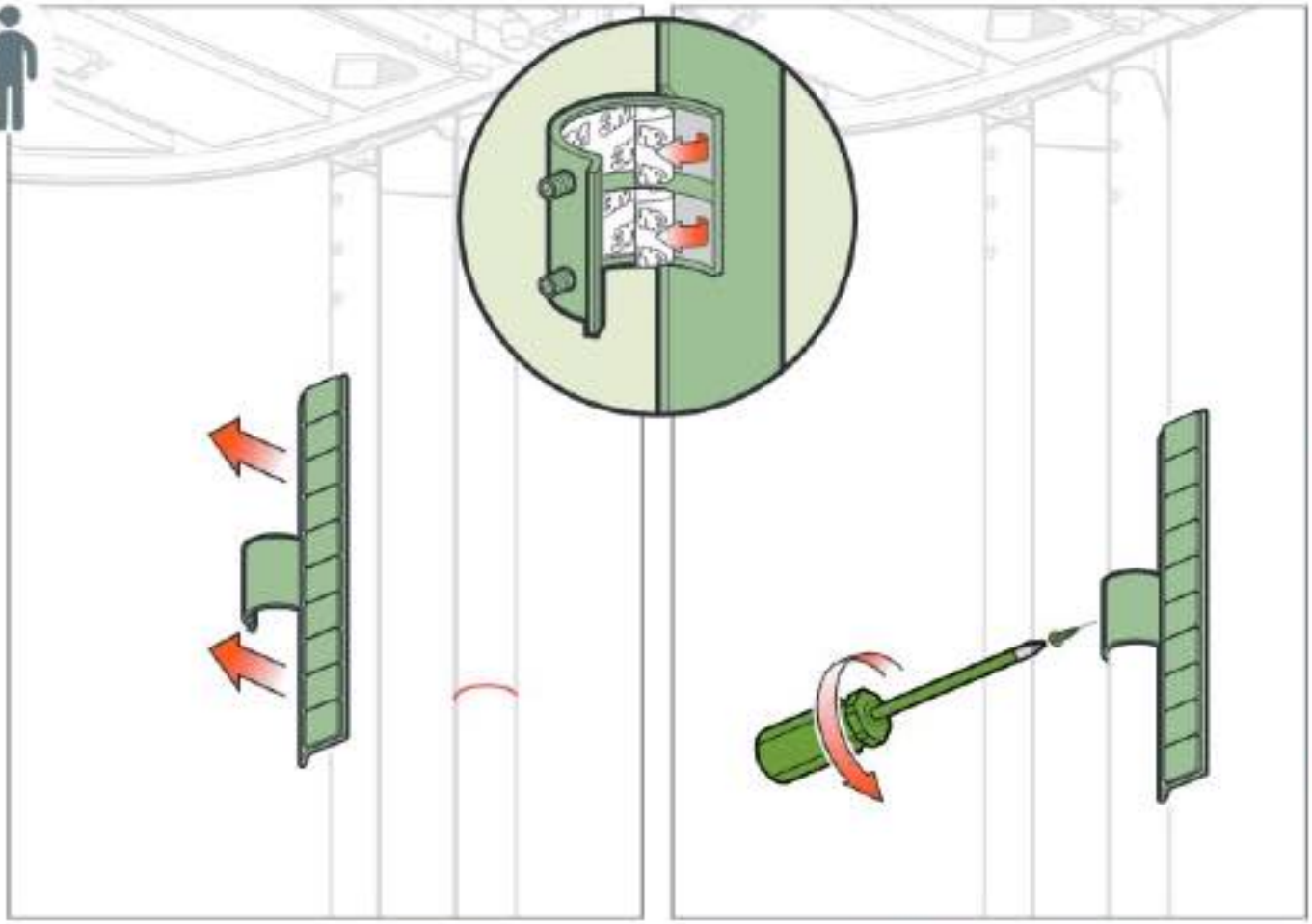


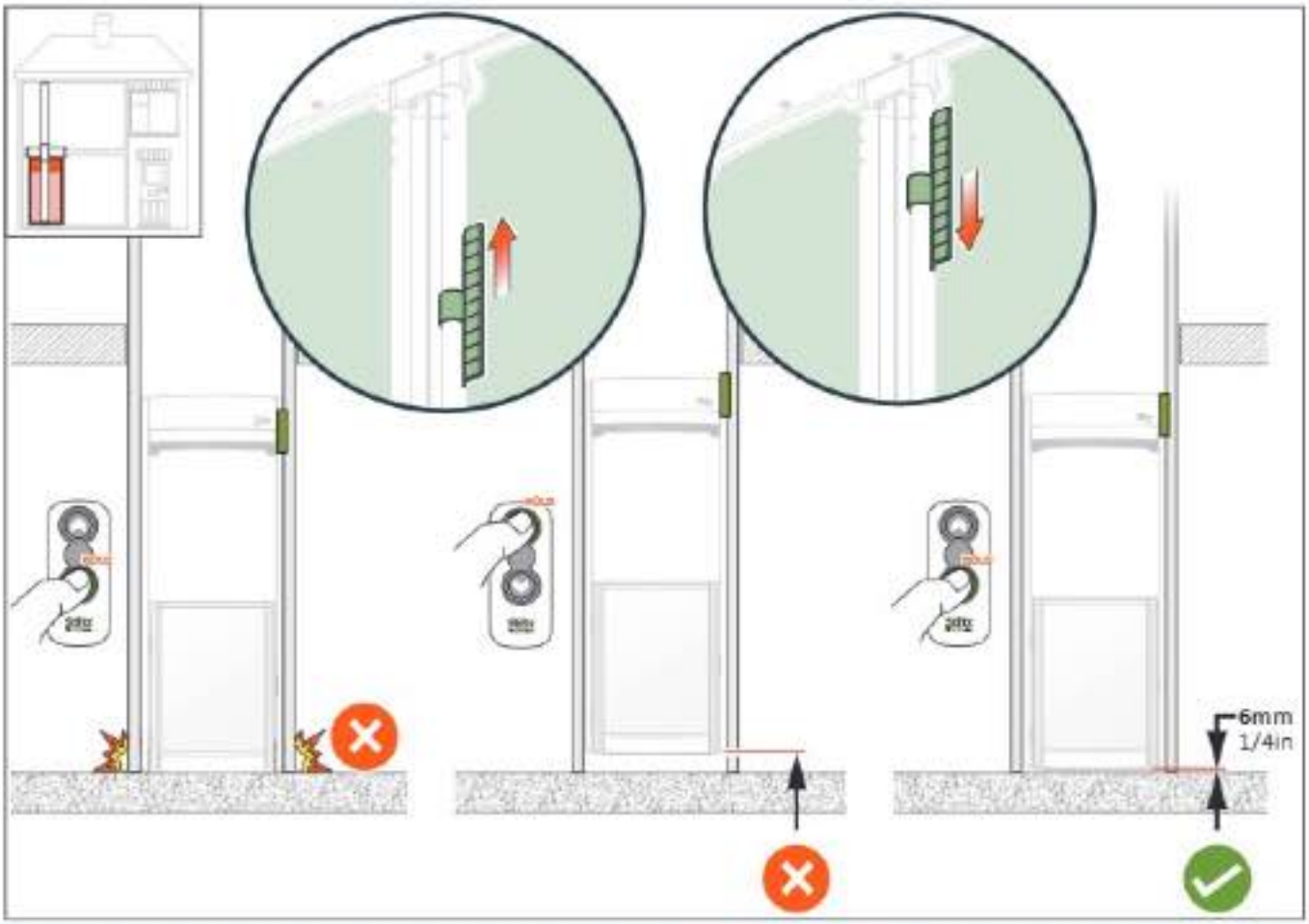


Section 7: Finishing Up Electrical/Mechanical

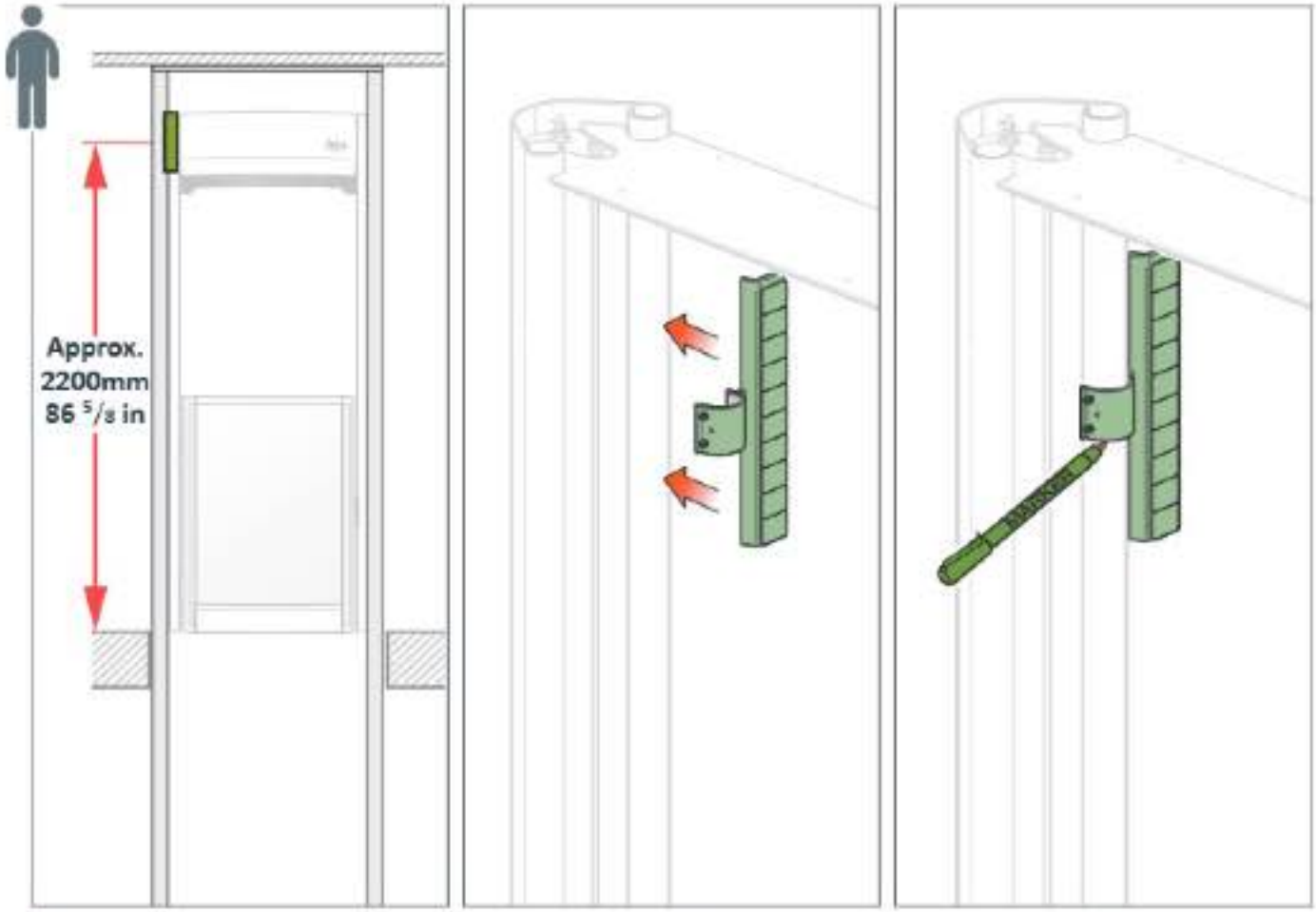


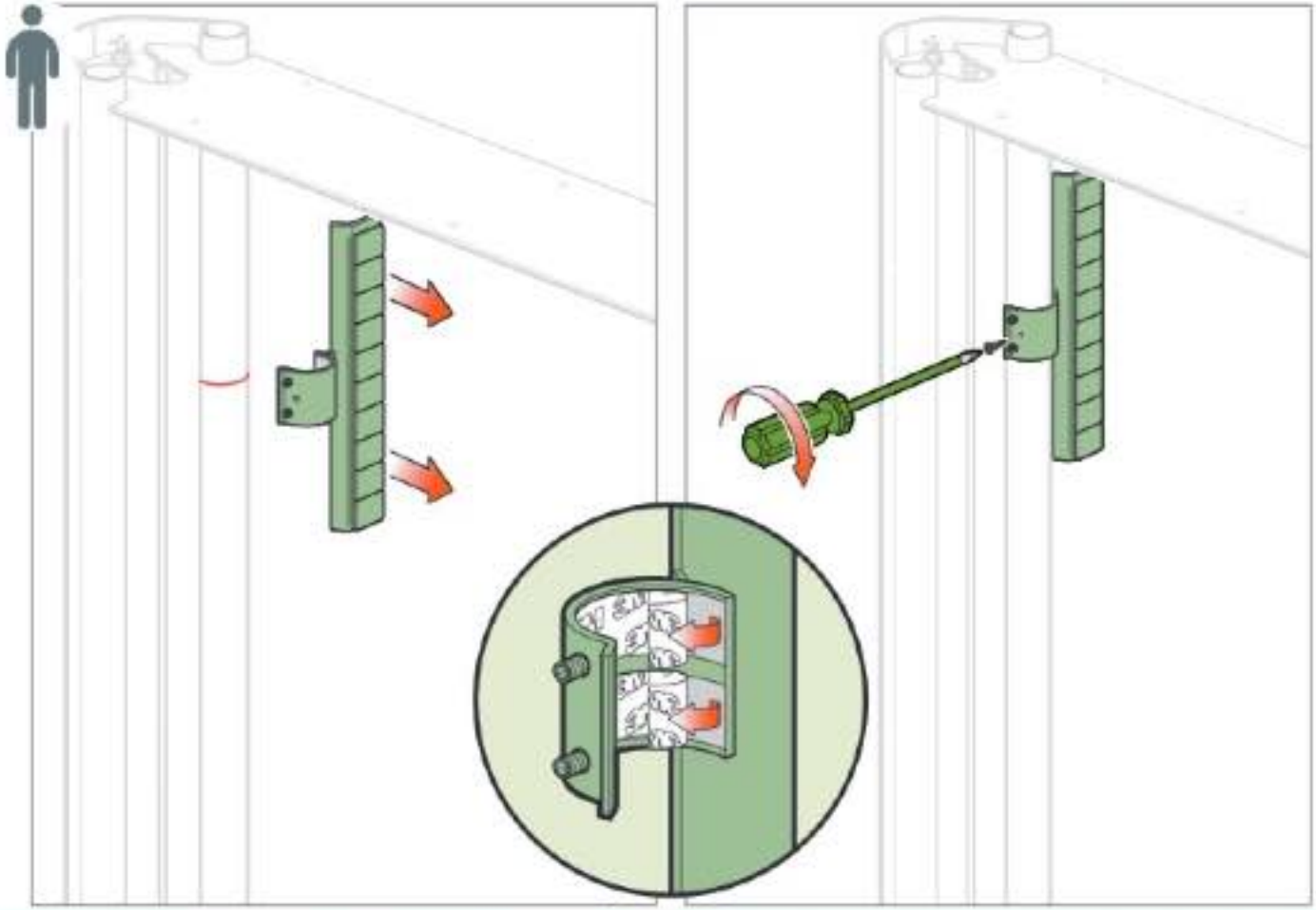




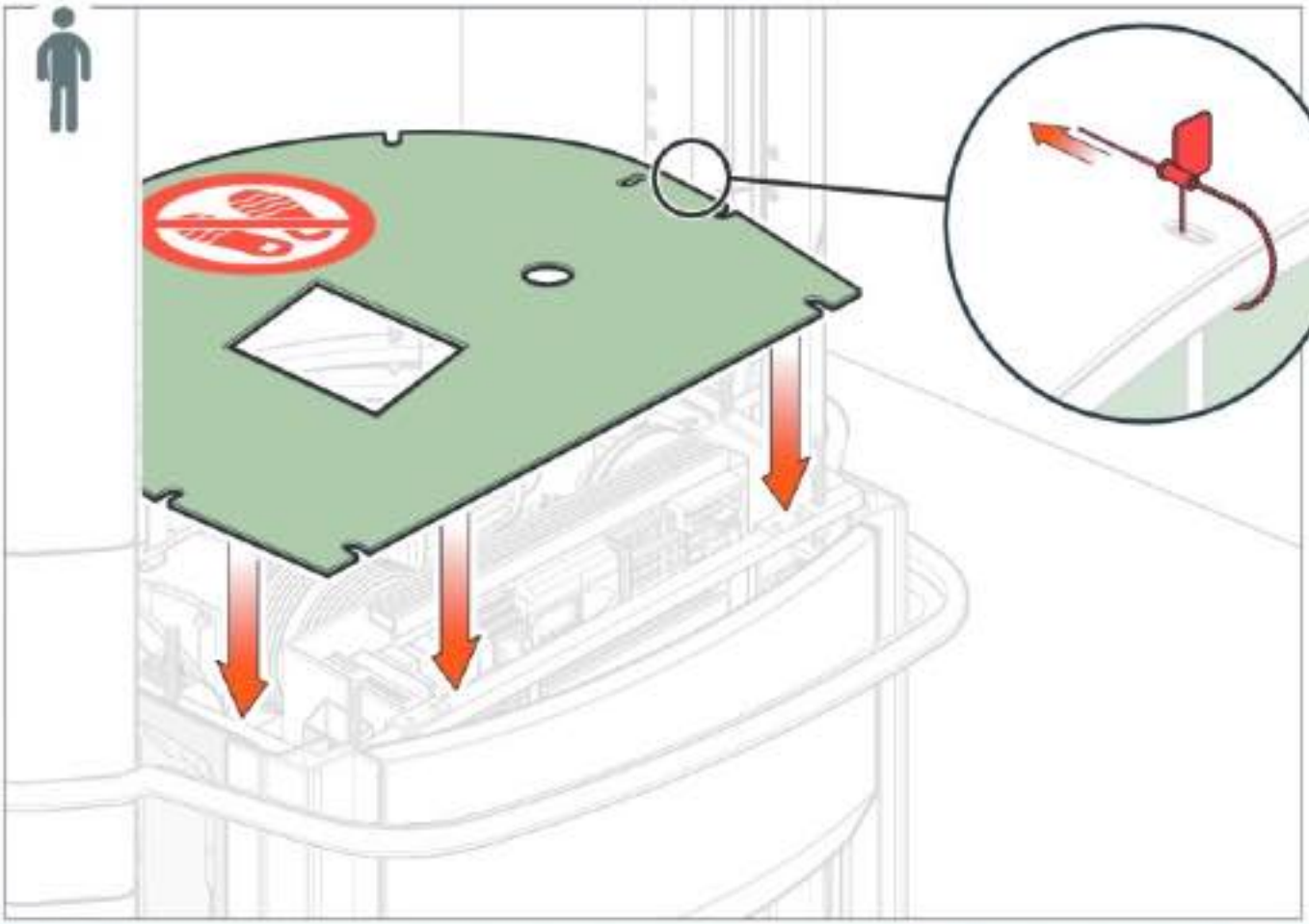

6mm
1/4in

Section 7: Finishing Up Electrical/Mechanical

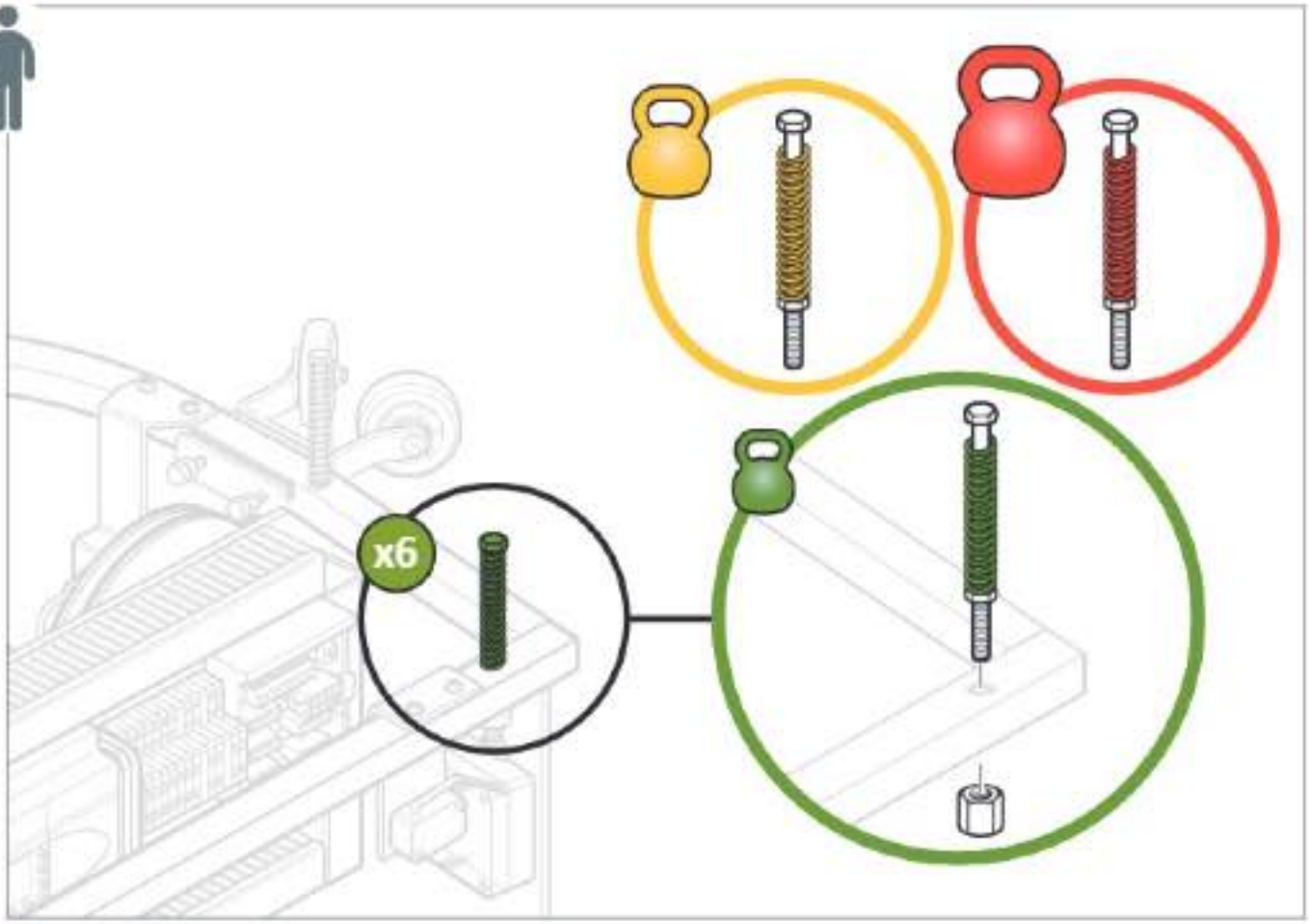


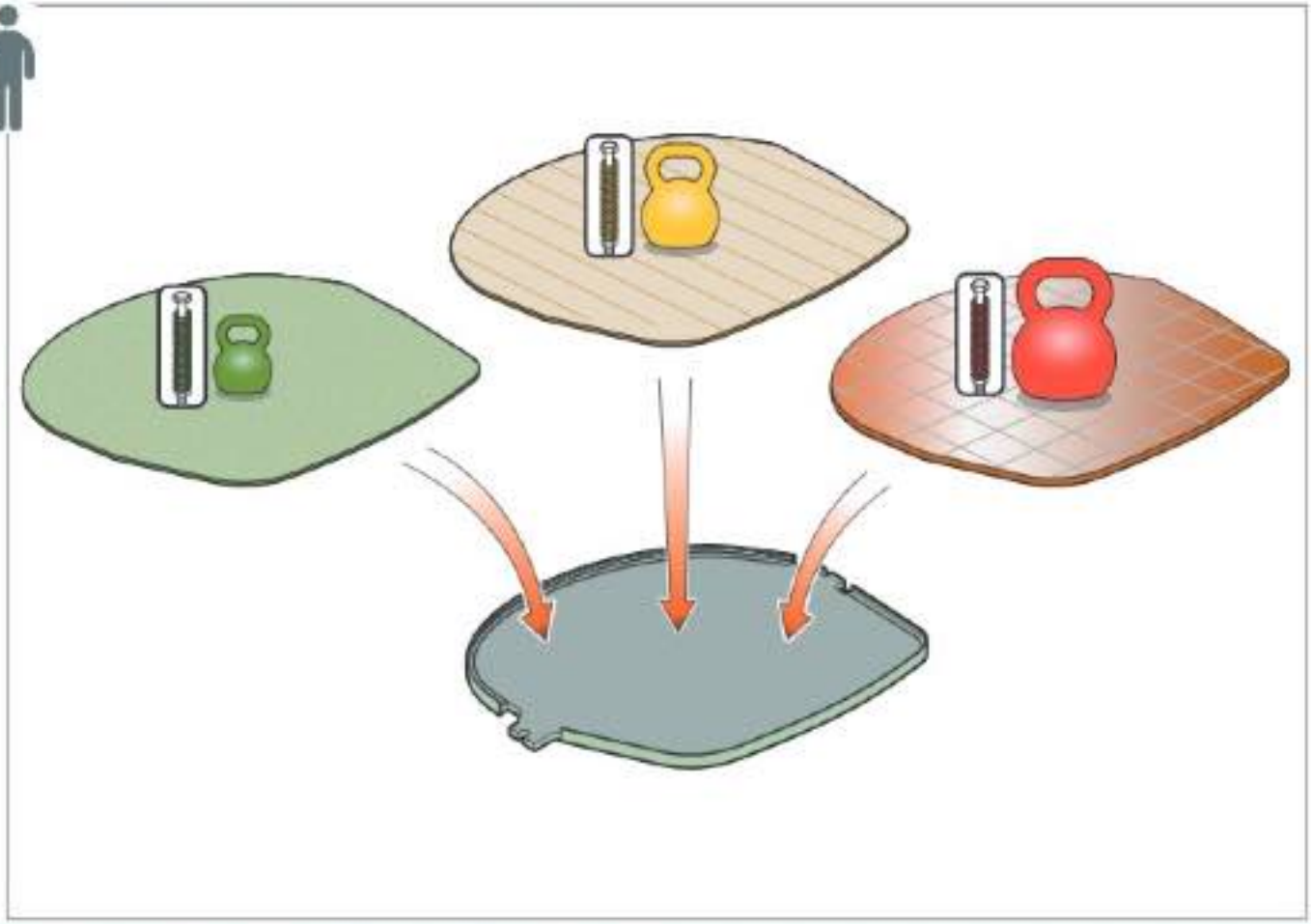


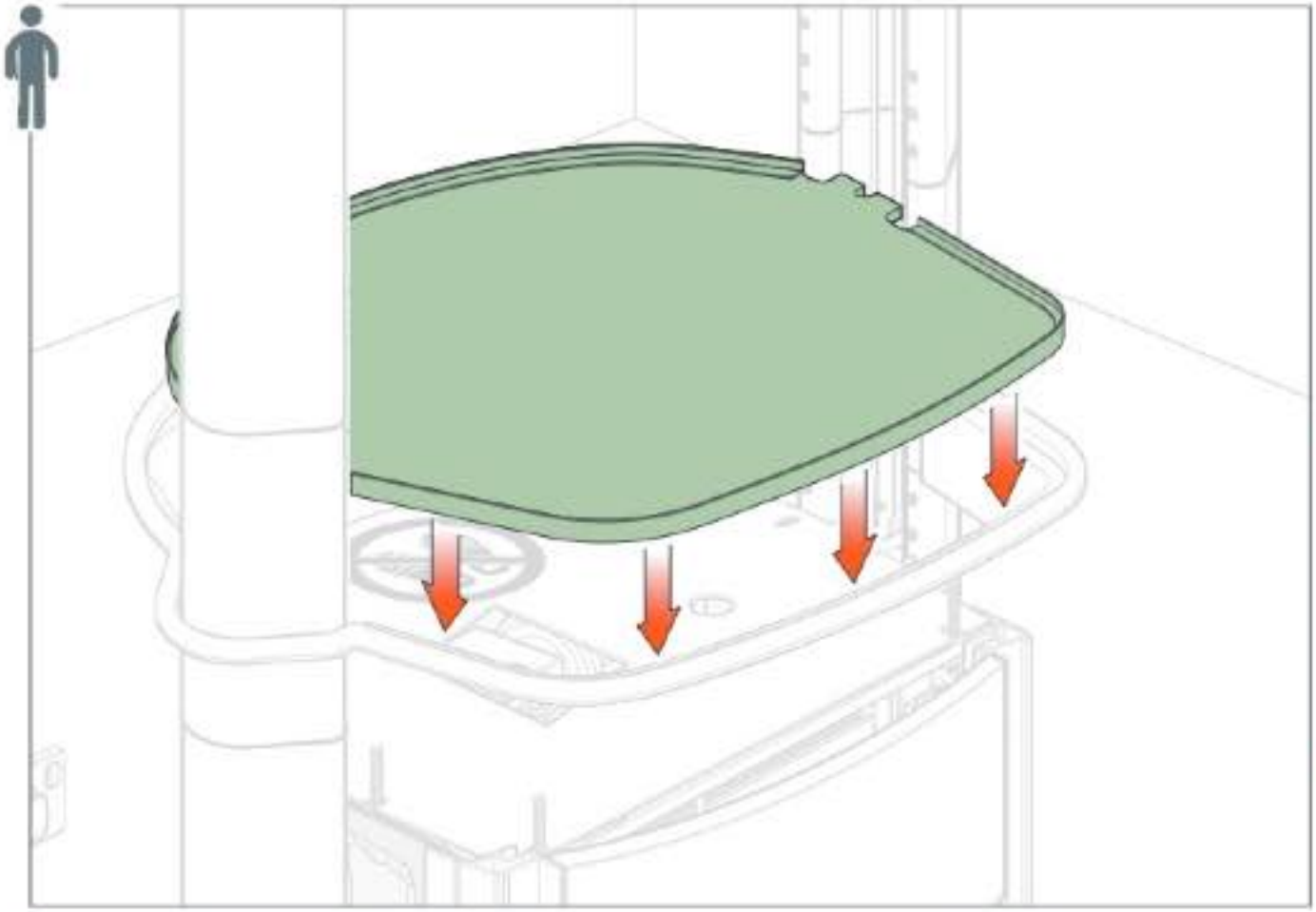

6mm
1/4in

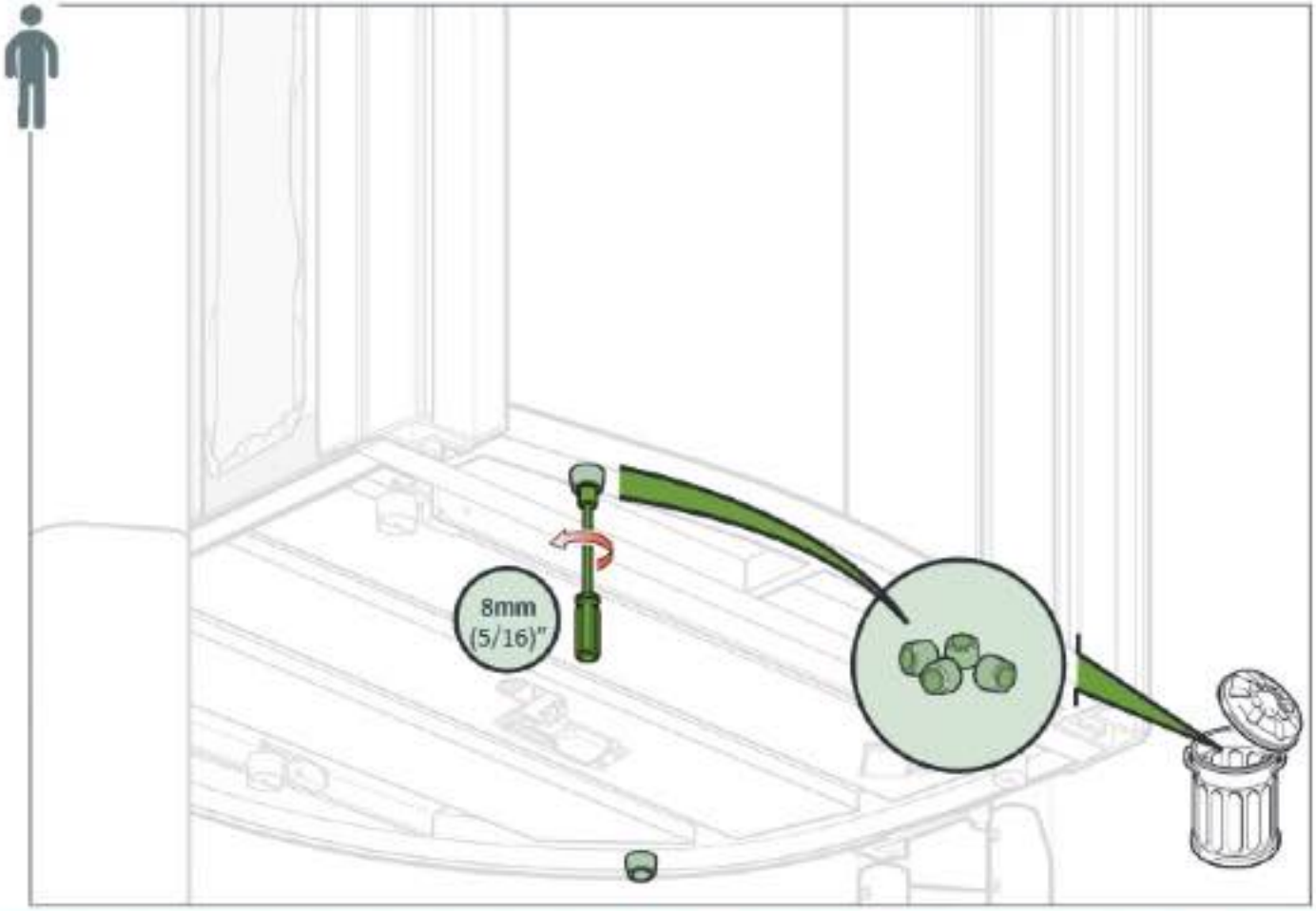


Section 7: Finishing Up Electrical/Mechanical

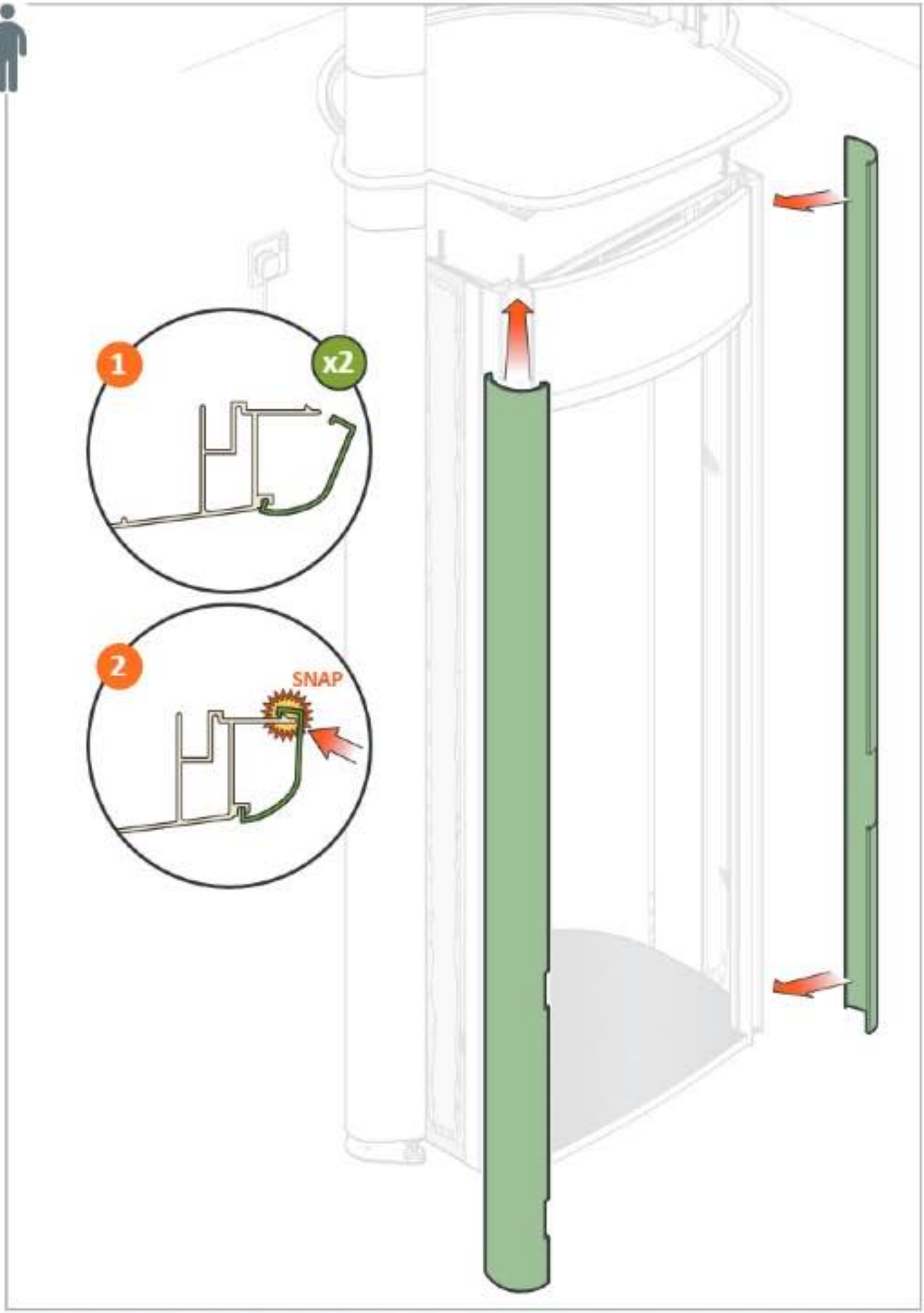


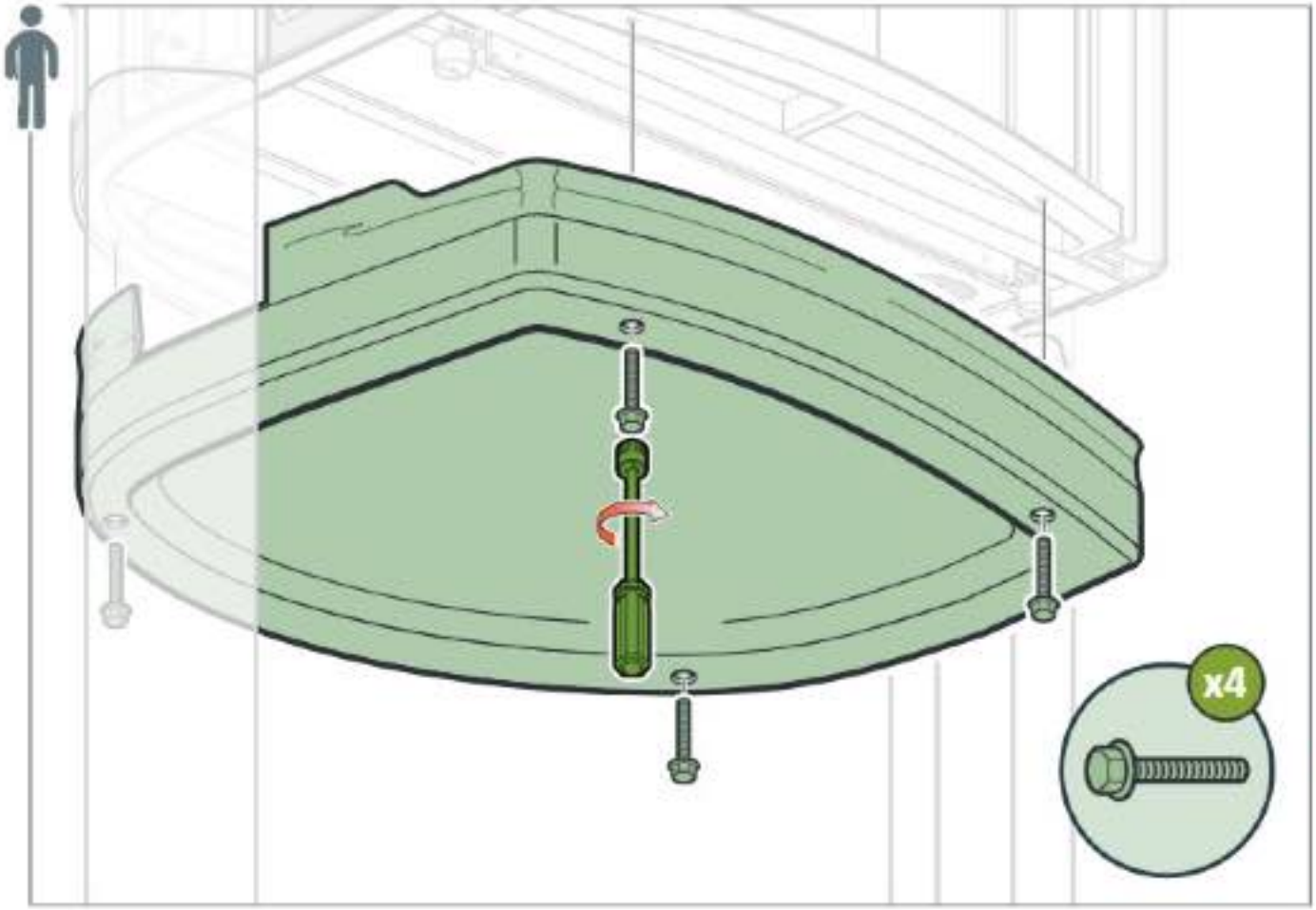





8mm
(5/16)"

Section 7: Finishing Up Electrical/Mechanical




x4

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