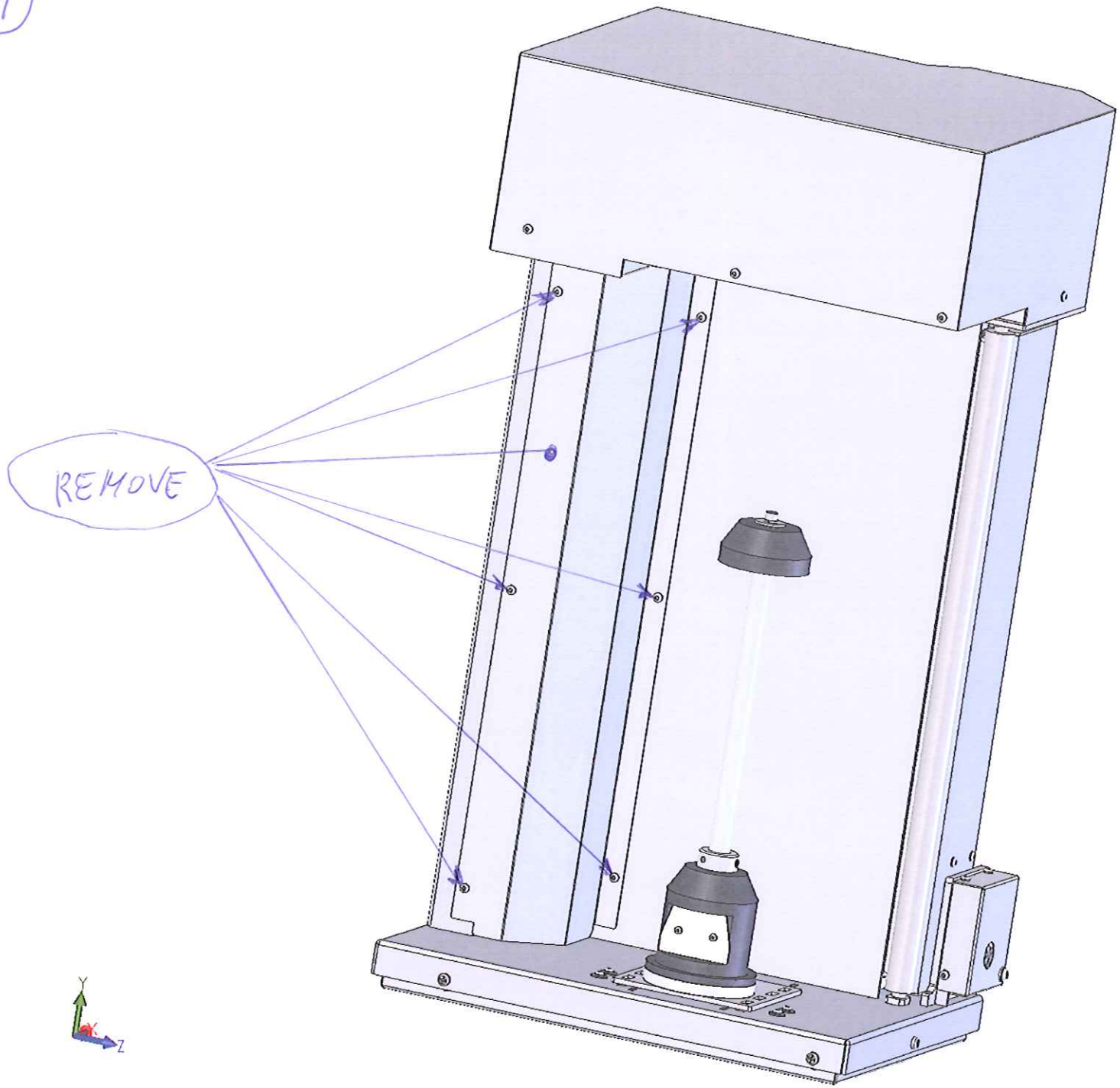
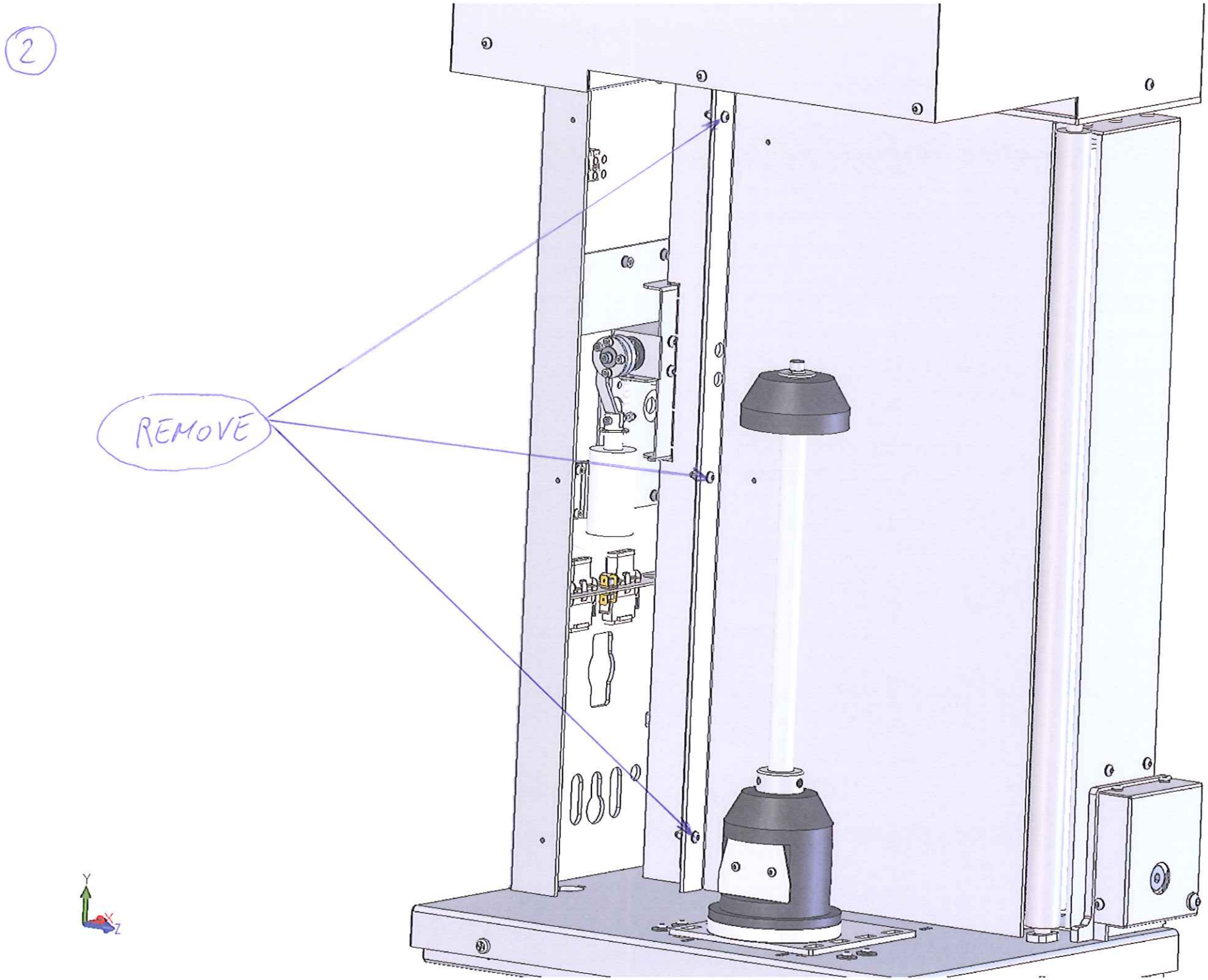
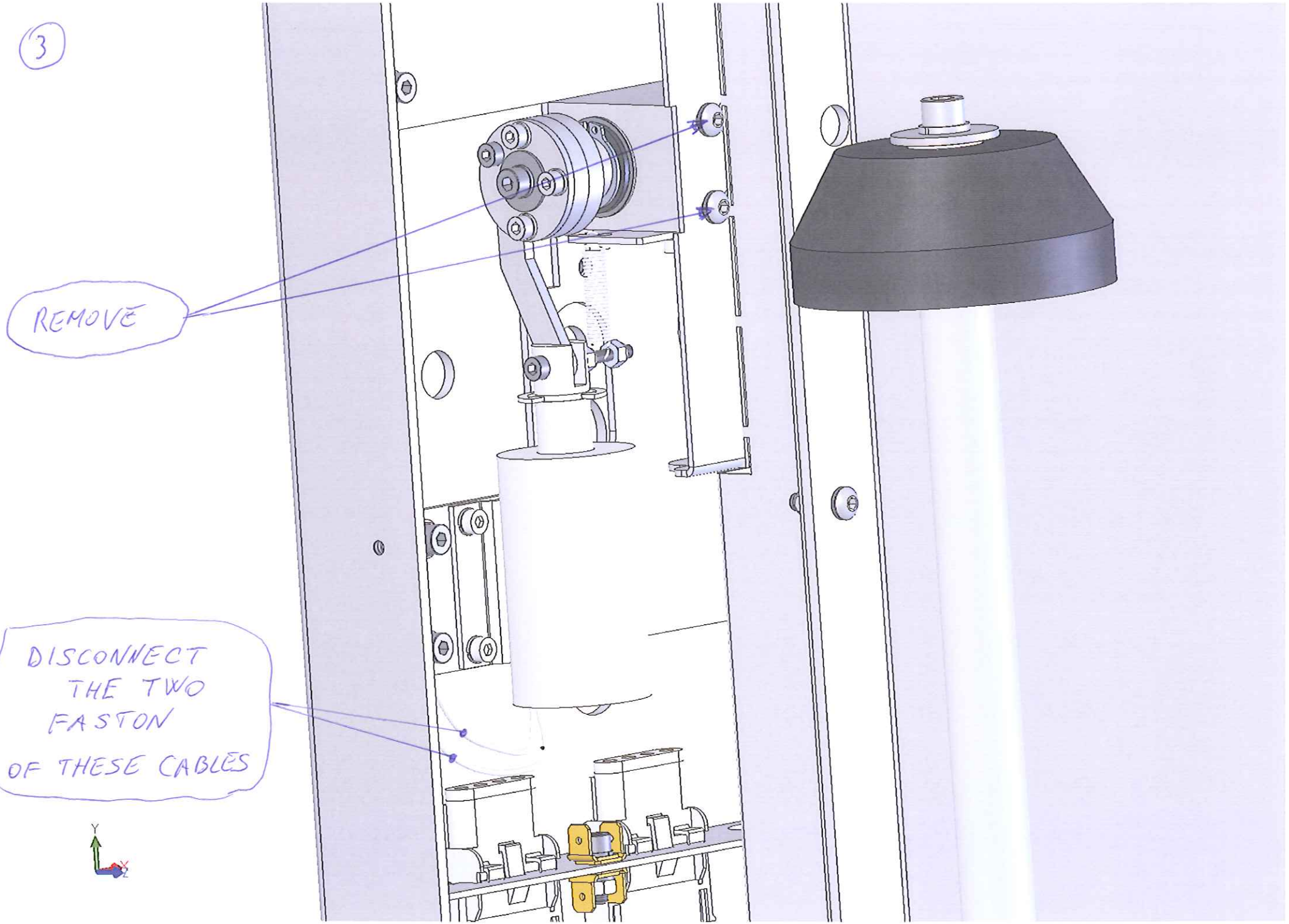
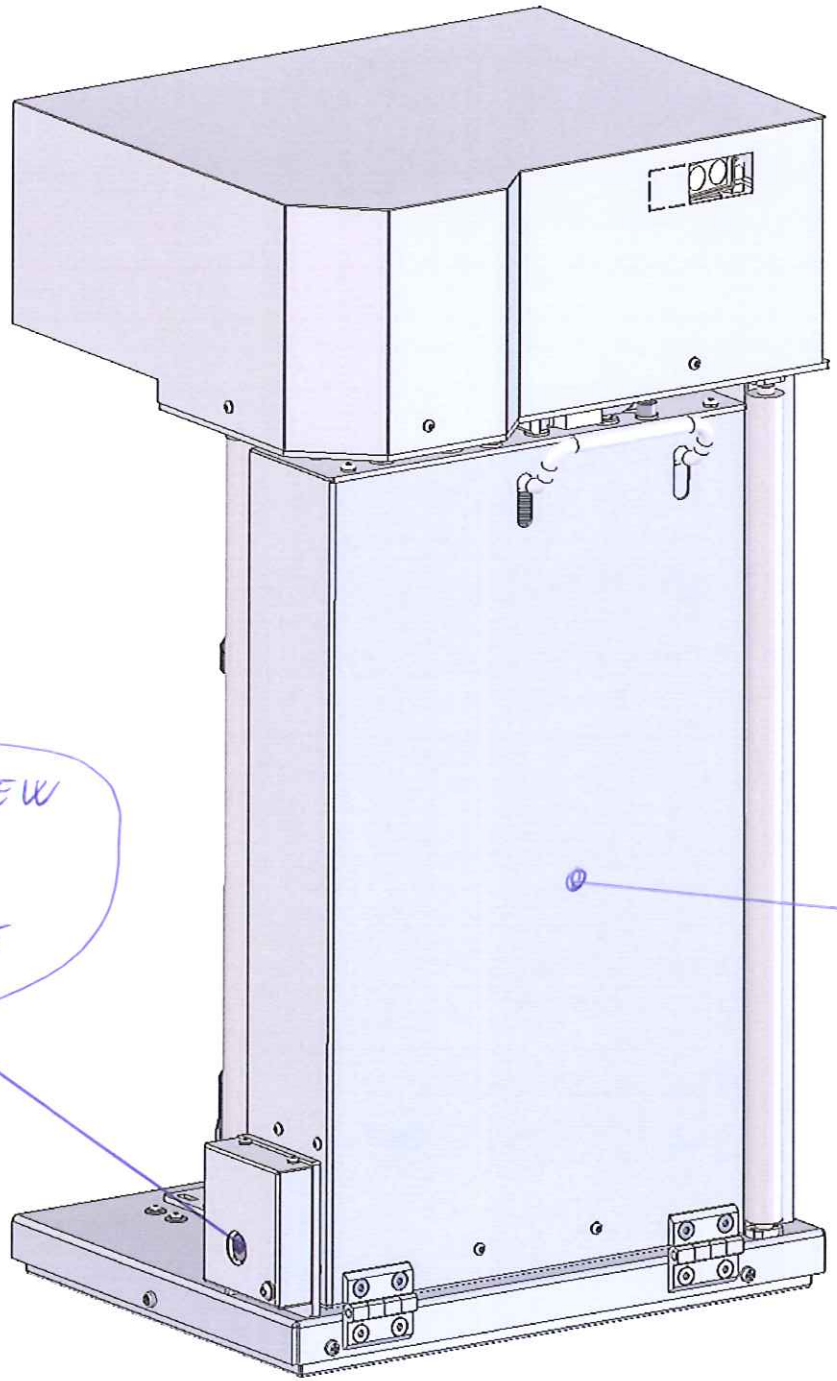
1




2
REMOVE
Y
X
Z


3
REMOVE
DISCONNECT THE TWO FASTON OF THESE CABLES
Y

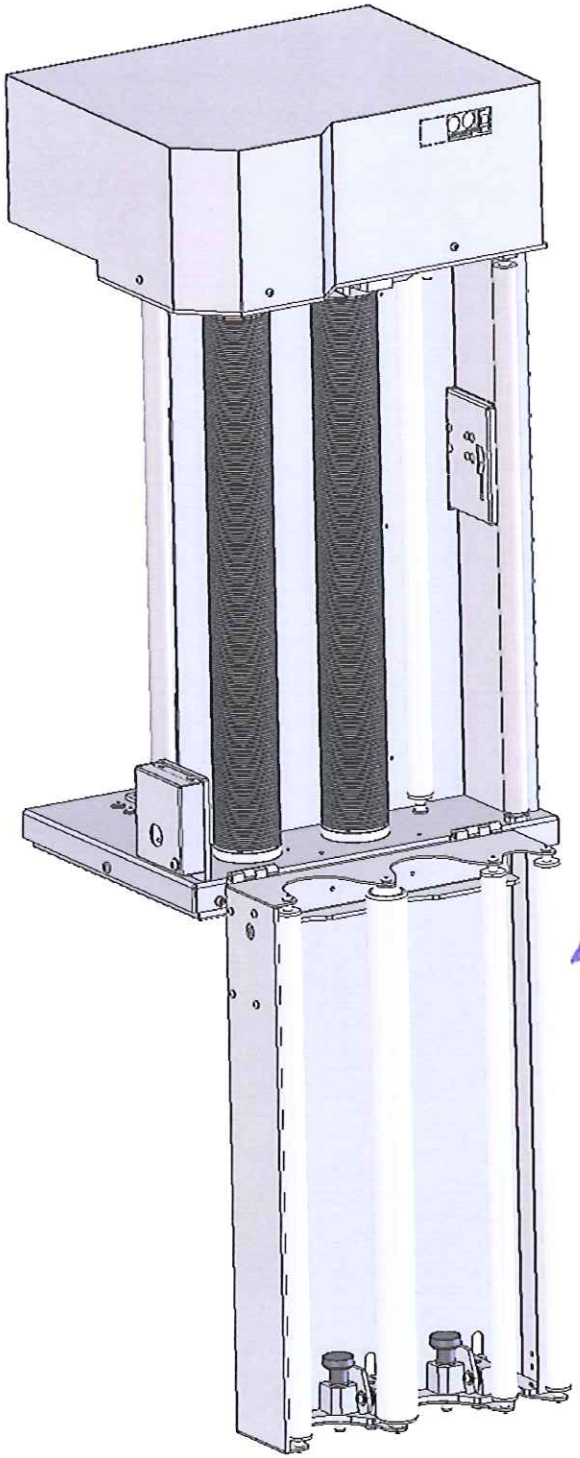
4



REMOVE THE SCREW AND THE RUBBER INSIDE THE HOLE

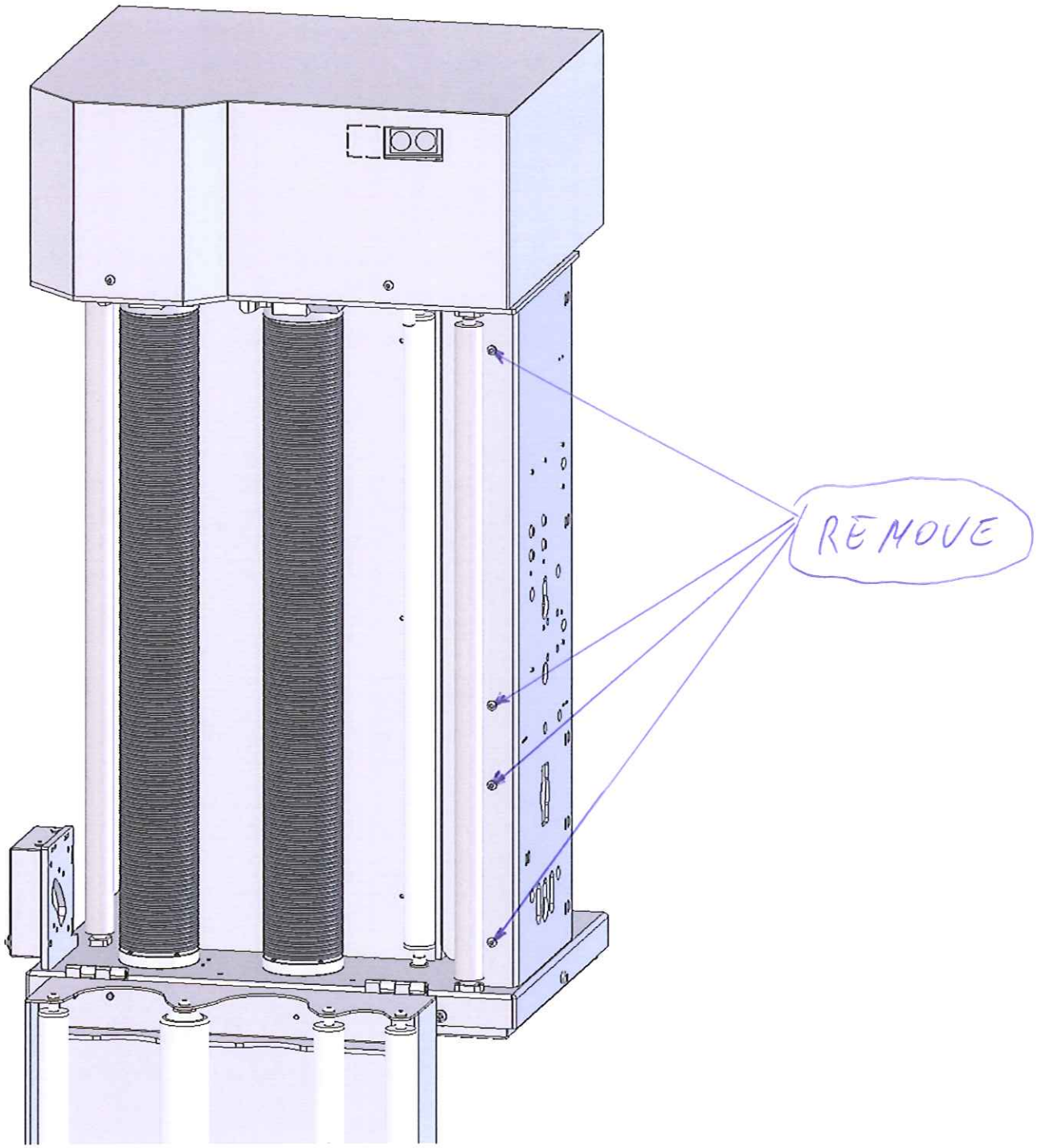
ATTENTION NOW THE DOOR ARE UNLOCKED AND CAN ROTATE 180 DEGREE

5

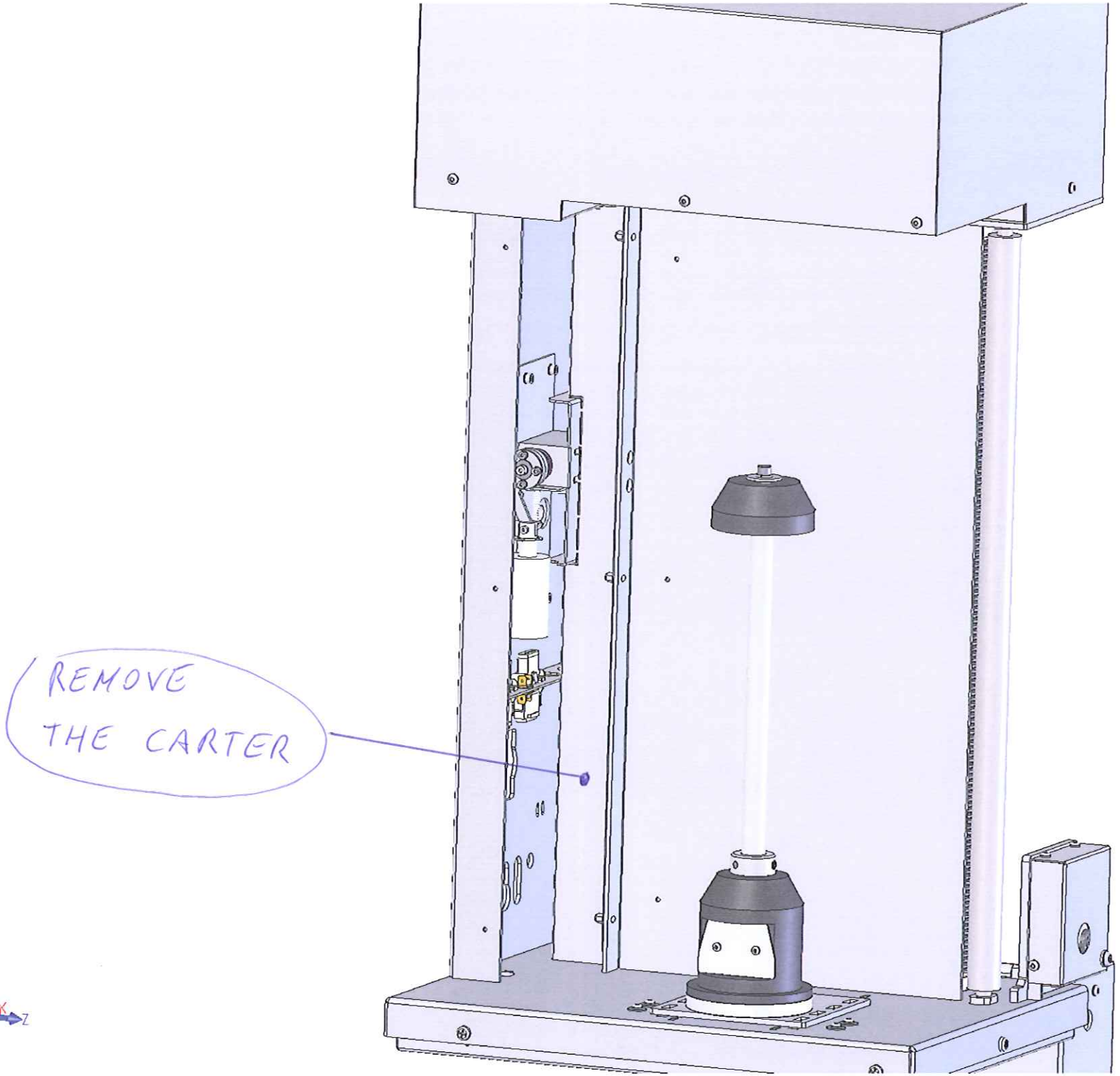


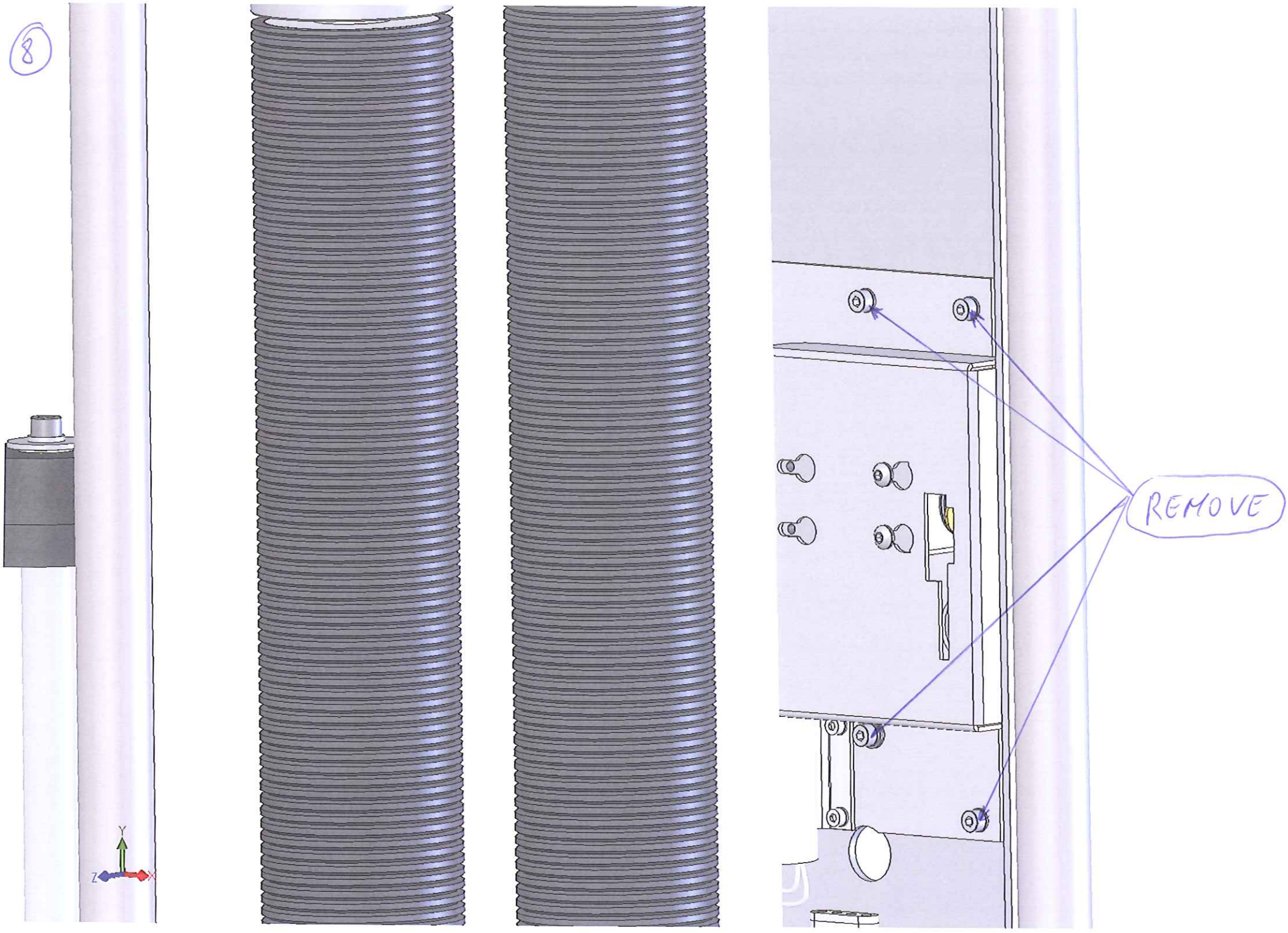
ROTATE THE DOOR 180°

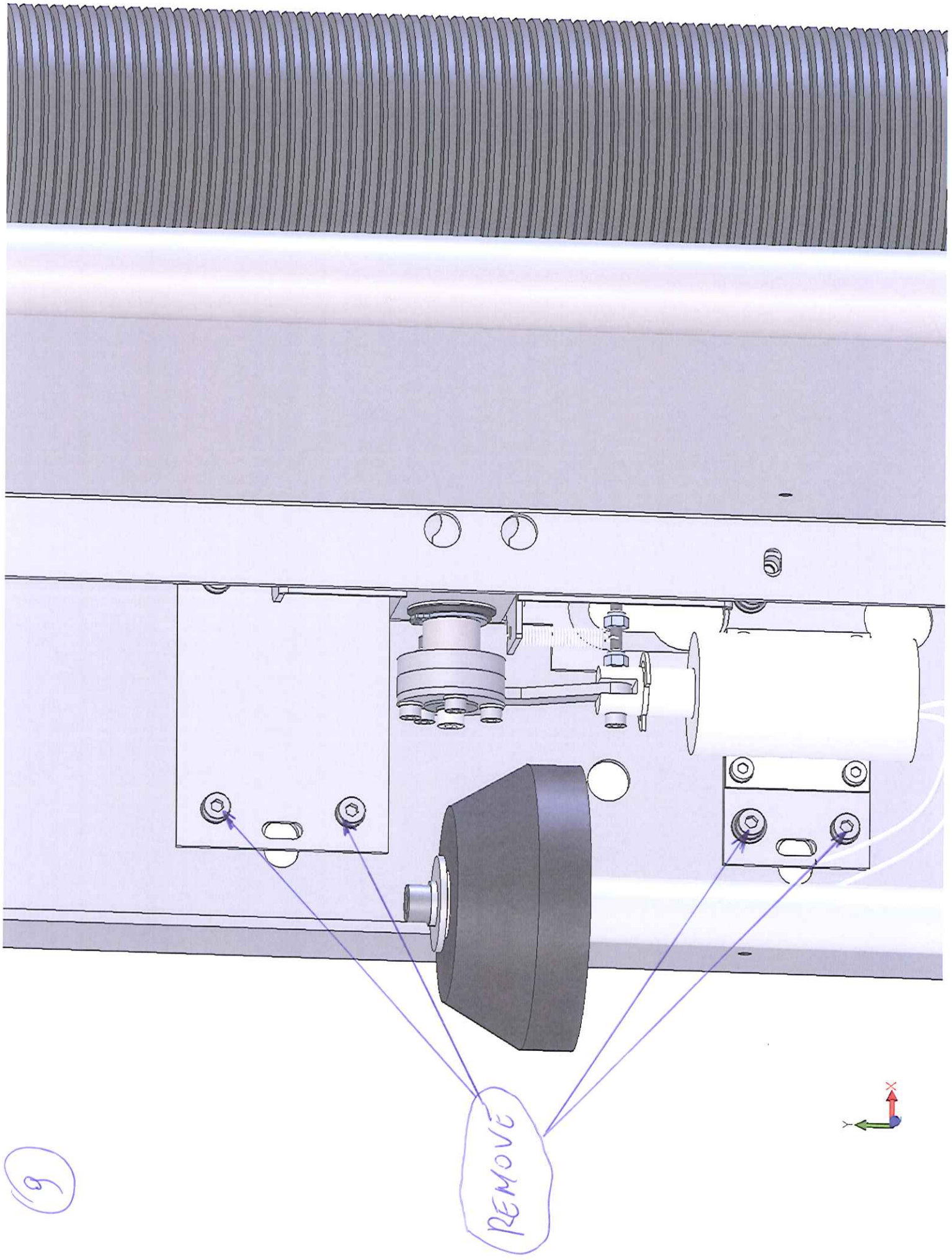
6



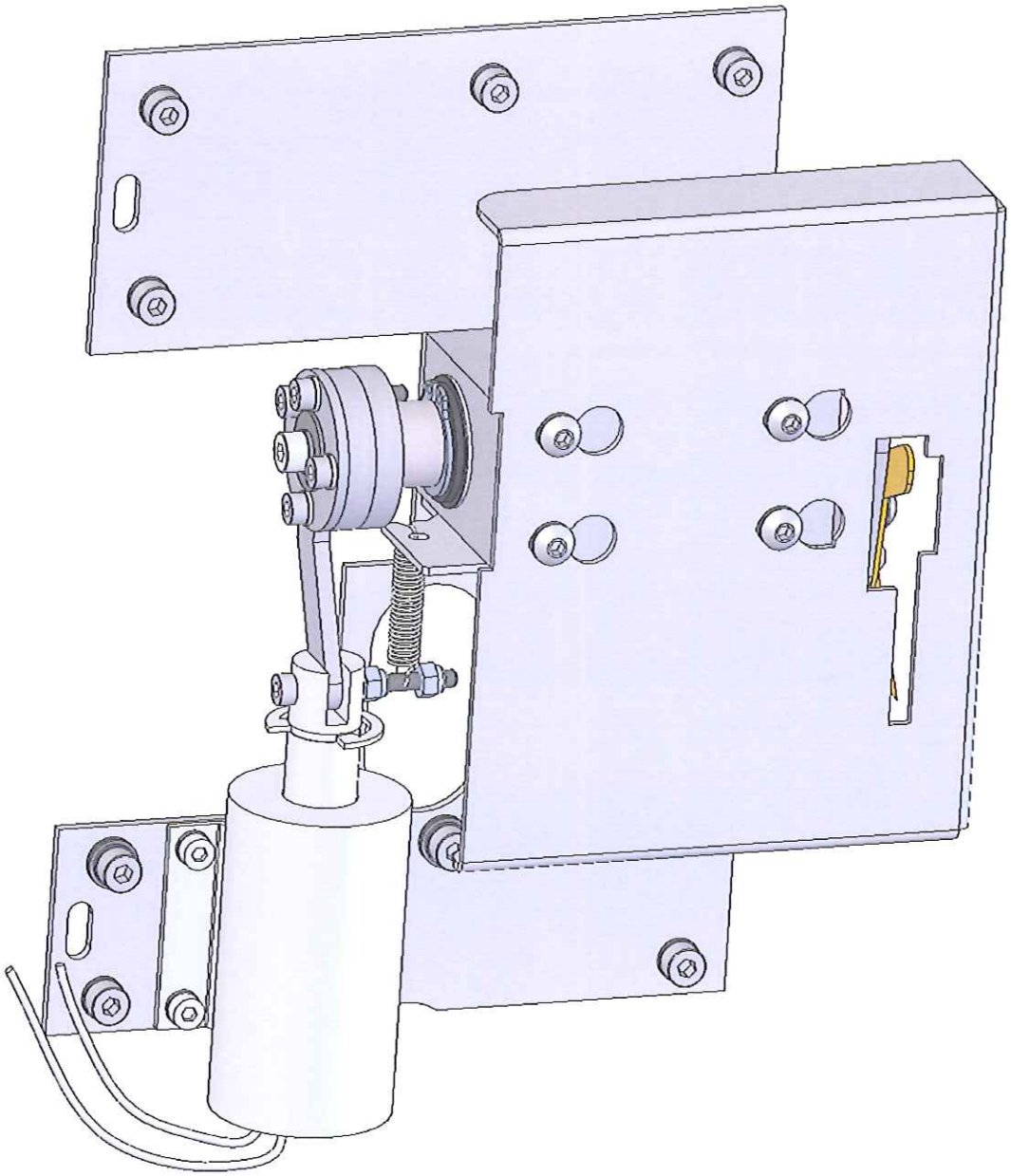
(7)




8
Y
Z
X
REMOVE


REMOVE

10

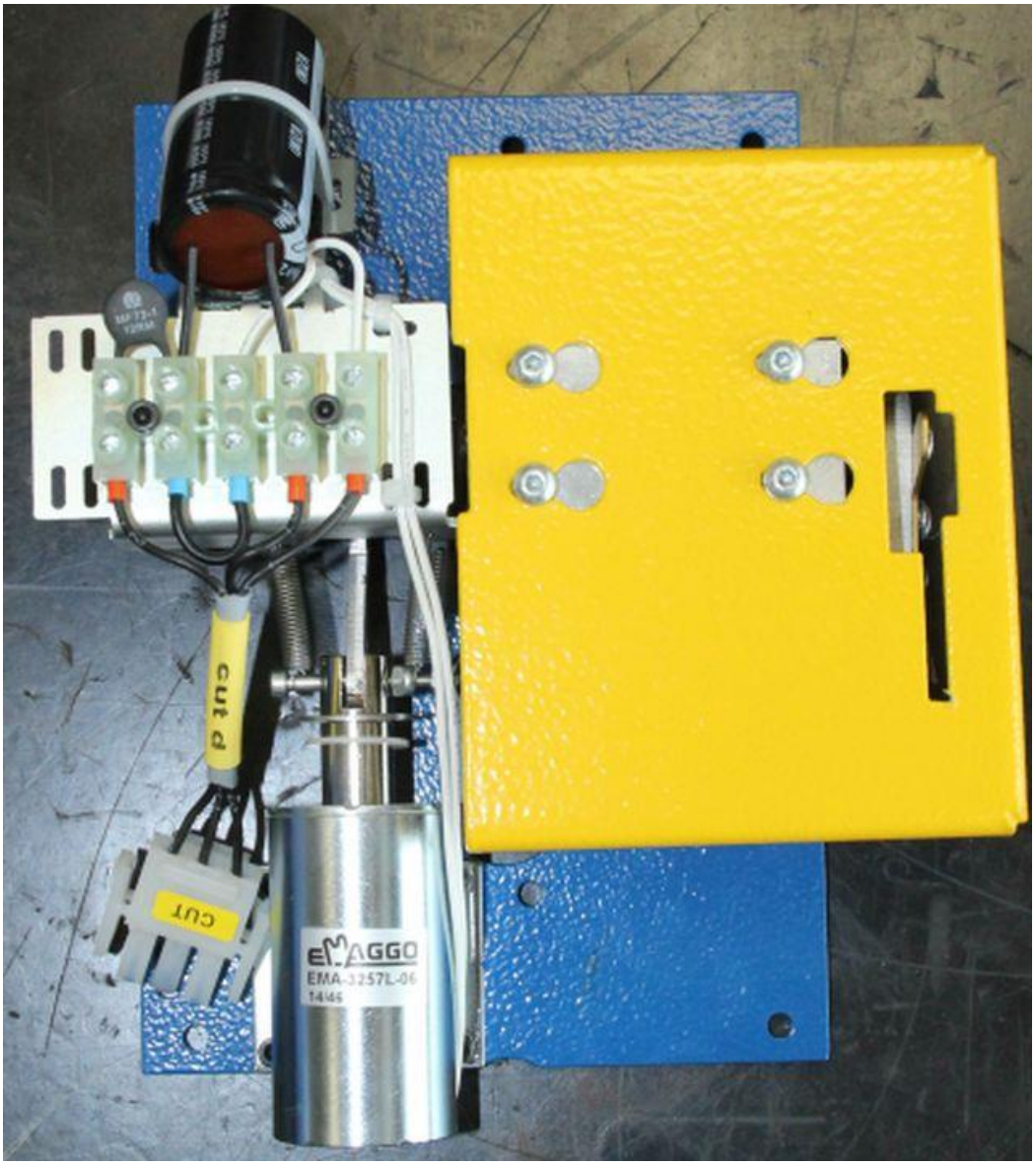


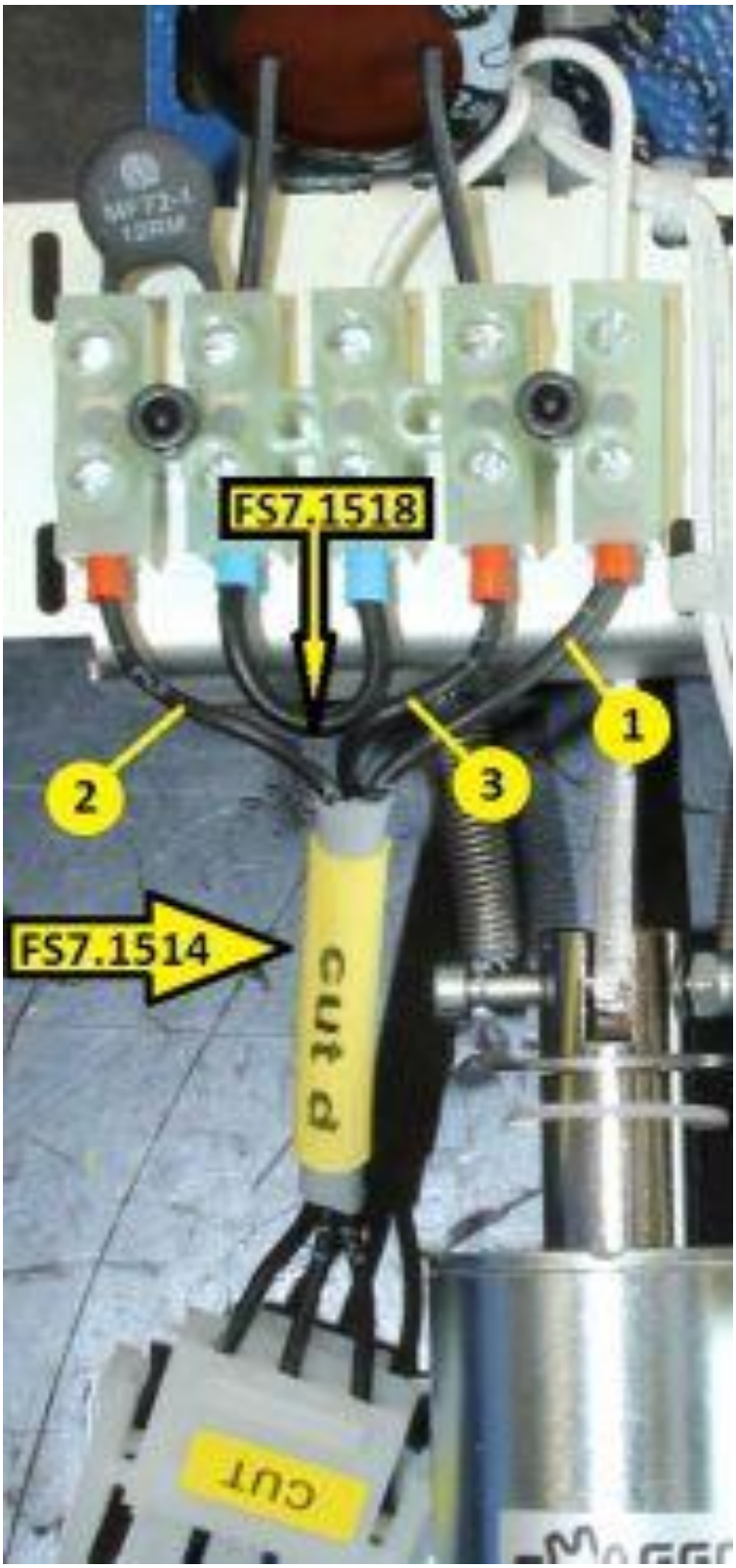
REMOVE THE COMPLETE CUTTING DEVICE AND PUT THE NEW ONE.

ASSEMBLY AGAIN ALL THE CARTERS AND ALL THE SCREWS

FS390 New cutting device

to replace the old one

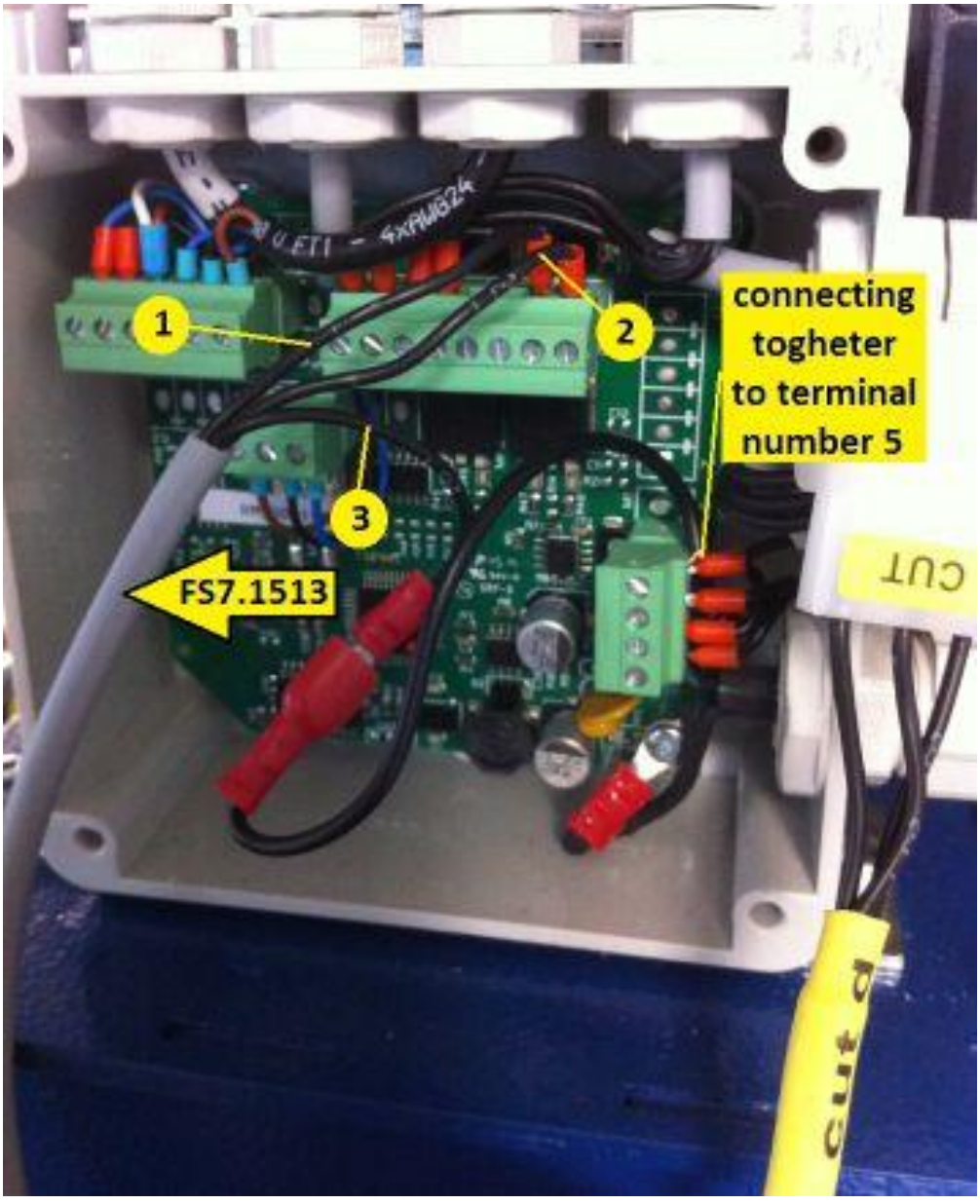



FS7.1518
1
2
3
FS7.1514
Cut
Cut

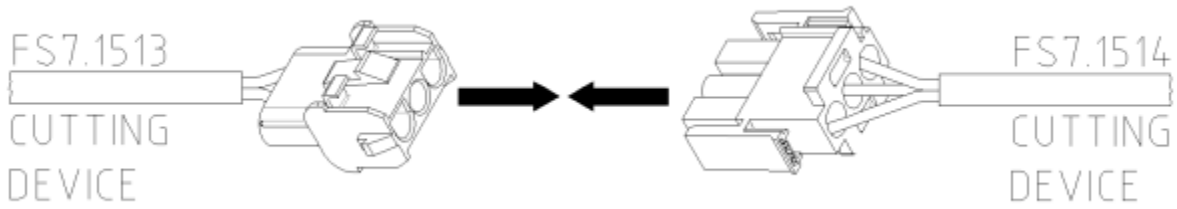
- lift the carriage to its maximum height

- open the cover of the junction box

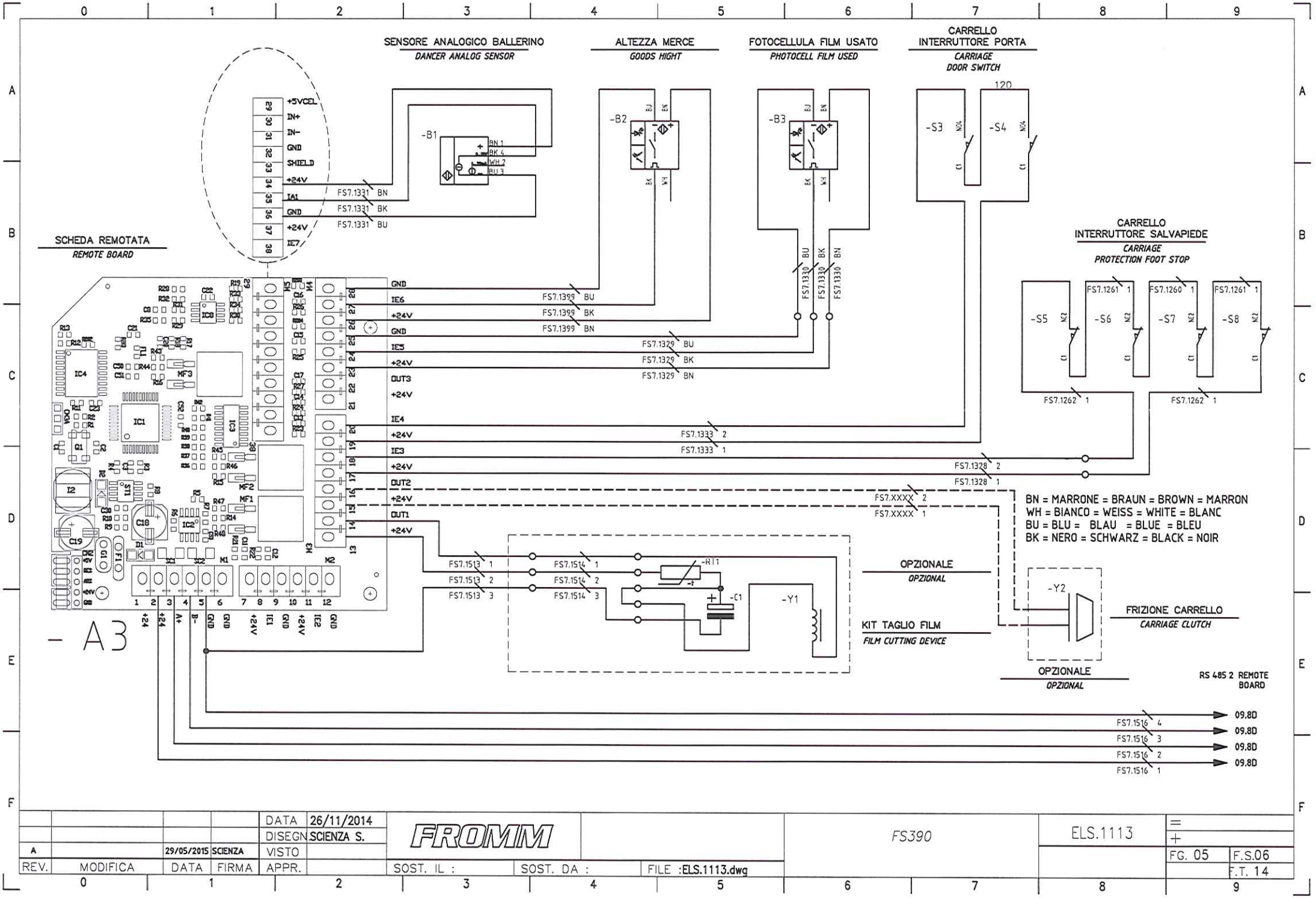
- disconnect the 2-wires cable of old cutting device from the terminals 13 and 14 of the remote board, remove this cable from the plastic gland where you should insert the new FS7.1513: connect it as shown in the following picture.



- connect FS7.1513 and FS7.1514 cables



- At the end, update the software of the machine at least with version 1.1.



REV.	MODIFICA	DATA	FIRMA
A		29/05/2015	SCIENZA

DATA 26/11/2014
DISEGN SCIENZA S.
VISTO
APPR.

FROMM

SOST. IL :
SOST. DA :
FILE :ELS.1113.dwg

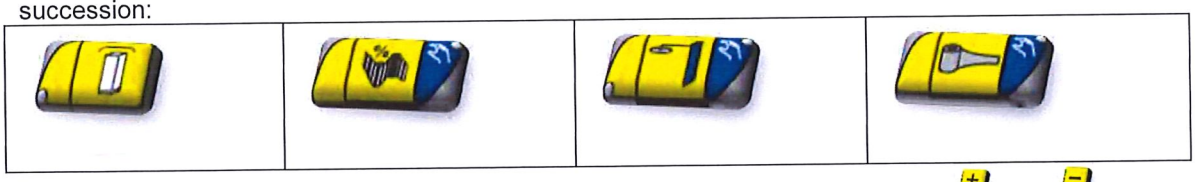
FS390

ELS.1113

FG. 05 F.S.06
F.T. 14

HIDDEN PARAMETERS MENU

To access the hidden parameters menus **(reserved for Installers and Maintenance Technicians)** a password must be entered by pressing the "Information" key and pressing the following buttons in succession:



The following parameters are accessed. To scroll through the parameters, use the + and − keys and press the ↵ key to confirm; press again after having modified the value. To exit the hidden parameters menu, press the ○ key.

INSTALLERS & MAINTENANCE TECHNICIANS MENU (Software 1.2)				
Parameter	**Parameter name**	**Description**	**Range**	**Default**
1	CARRIAGE TYPE	Sets the type of carriage	0-7	7
2	ANALOG SENSOR			
3	LOADING DEFAULT PROGRAM	Resets the factory settings (OEM Original Entry Manufacturer)	YES/NO	NO
4	RESET PROGRAMS COUNTER	Resets the pallet counter and the film metres; it does not reset the absolute counters in any of the programs	YES/NO	NO
5	RESET ALL COUNTERS	Resets the program counters and the absolute ones	YES/NO	NO
6	TOP PLATE	Enables top plate menu	ENABLE/DISABLE	DISABLE
7	HORSESHOE	Enables horseshoe menu	ENABLE/DISABLE	DISABLE
8	AUDIO SIGNAL	Enables audio signals menu	ENABLE/DISABLE	ENABLE
9	BUZZER NUMBER BEEPS	Number of additional buzzer beeps exceeded MAINTENANCE COUNTER	0-10	4
10	FILM PHOTOCELL DISTANCE	Sets the distance between the photocell and the film top limit [cm]	0-40	20
11	DELAY TIME E02	Film[s] break error delay		1
12	NO PALLET DETECT ERROR E06	No pallet error	ENABLE/DISABLE	ENABLE
13	TURNTABLE 90°	Stop position turntable at 90°	ENABLE/DISABLE	DISABLE
14	TURNTABLE 180°	Stop position turntable at 180°	ENABLE/DISABLE	DISABLE
15	TURNTABLE 270°	Stop position turntable at 270°	ENABLE/DISABLE	DISABLE
16	CUTTING DEVICE	Film cutting device	ENABLE/DISABLE	DISABLE
17	ANALOGUE VALUE CUTTING DEVICE	Analogue value cutting device dancer roller [mA]	0-20	15
18	ENABLE PROGRAM	Enables and disables the program displayed	ENABLE/DISABLE	ENABLE
19	INPUT NEW PASSWORD?	Change password	####	2203
20	RESET USER PASSWORD?	Resets the password to the default one (2203)	YES/NO	NO
21	MAINTENANCE COUNTER	Turntable number of rpms before maintenance		120000
22	LIFT HEIGHT CARRIAGE	Lift height carriage [cm]	0-50	30
23	SET CONTRAST	Sets the contrast of the display		
24	LOW STRETCH FILM	Sets the pre-stretch range at 0-100%	ENABLE/DISABLE	DISABLE
25	TURNTABLE 90° - delay stop	Delay Stop for turntable position at 90° [decimals]	0-50	5
26	TURNTABLE 180° - delay stop	Delay Stop for turntable position at 180° [decimals]	0-50	10
27	TURNTABLE 270° - delay stop	Delay Stop for turntable position at 270° [decimals]	0-50	15

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HIDDEN PARAMETERS MENU

INSTALLERS & MAINTENANCE TECHNICIANS MENU (Software 1.3 – 1.4)				
Parameter	**Parameter name**	**Description**	**Range**	**Default**
1	CARRIAGE TYPE	Sets the type of carriage	0-7	5(C1mot)-7(C2mot)
2	ANALOG SENSOR			
3	LOADING DEFAULT PROGRAM	Resets the factory settings (OEM Original Entry Manufacturer)	YES/NO	NO
4	RESET PROGRAMS COUNTER	Resets the pallet counter and the film metres; it does not reset the absolute counters in any of the programs	YES/NO	NO
5	RESET ALL COUNTERS	Resets the program counters and the absolute ones	YES/NO	NO
6	TOP PLATE	Enables top plate menu	ENABLE/DISABLE	DISABLE
7	HORSESHOE	Enables horseshoe menu	ENABLE/DISABLE	DISABLE
8	AUDIO SIGNAL	Enables audio signals menu	ENABLE/DISABLE	ENABLE
9	BUZZER NUMBER BEEPS	Number of additional buzzer beeps exceeded MAINTENANCE COUNTER	0-10	4
10	FILM PHOTOCELL DISTANCE	Sets the distance between the photocell and the film top limit [cm]	0-40	20
11	DELAY TIME E02	Film[s] break error delay		1
12	NO PALLET DETECT ERROR E06	No pallet error	ENABLE/DISABLE	ENABLE
13	TURNTABLE 90°	Stop position turntable at 90°	ENABLE/DISABLE	DISABLE
14	TURNTABLE 180°	Stop position turntable at 180°	ENABLE/DISABLE	DISABLE
15	TURNTABLE 270°	Stop position turntable at 270°	ENABLE/DISABLE	DISABLE
16	CUTTING DEVICE	Film cutting device	ENABLE/DISABLE	DISABLE
17	ANALOGUE VALUE CUTTING DEVICE	Analogue value cutting device dancer roller [mA]	0-20	15
18	**Kcorr**	**Factor correction value PRE STRETCH**	**0.8-1.2**	**1.0**
19	INPUT NEW PASSWORD?	Change password	####	2203
20	RESET USER PASSWORD?	Resets the password to the default one (2203)	YES/NO	NO
21	MAINTENANCE COUNTER	Turntable number of rpms before maintenance		120000
22	LIFT HEIGHT CARRIAGE	Lift height carriage [cm]	0-50	30
23	SET CONTRAST	Sets the contrast of the display		
24	LOW STRETCH FILM	Sets the pre-stretch range at 0-100%	ENABLE/DISABLE	DISABLE
25	TURNTABLE 90° - delay stop	Delay Stop for turntable position at 90° [decimals]	0-50	5
26	TURNTABLE 180° - delay stop	Delay Stop for turntable position at 180° [decimals]	0-50	10
27	TURNTABLE 270° - delay stop	Delay Stop for turntable position at 270° [decimals]	0-50	15
28	**RESET TABLE CNT**	**Sets the value of the numbers of missing rounds at the maintenance at the value "MAINTENANCE COUNTER"**	**YES/NO**	**NO**

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