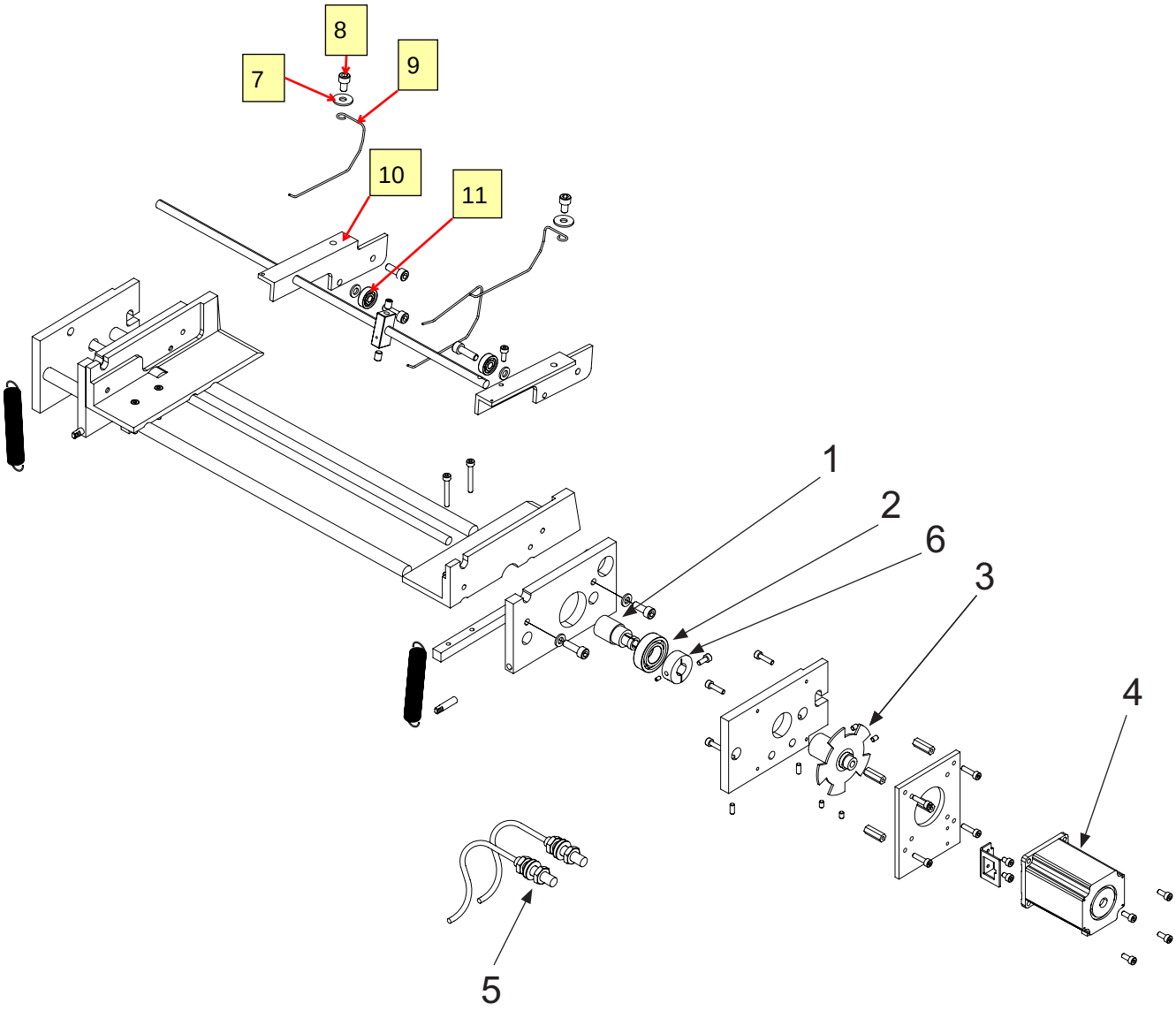
BRAILLO 400 SR

Parts for old B400SR

BRAILLO NORWAY

Rev. May 2015

5.4 Paper feeder

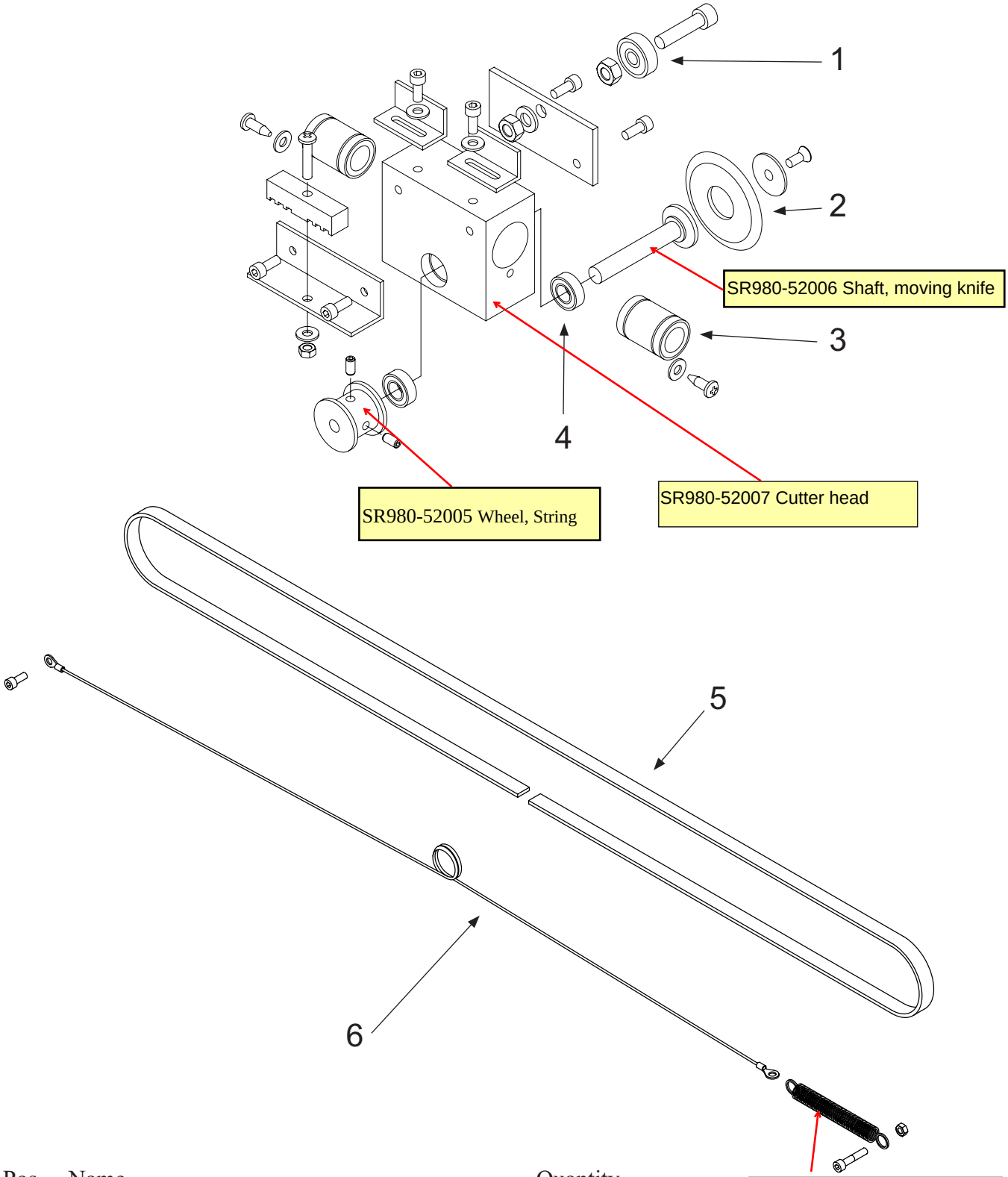


Parts paper feeder

Pos	Name	Quantity
1	Pulling wheel	2
2	Bearing 6003 2Z MA500-10003	2
3	Timing wheel	1
4	Stepping motor	1
5	Inductive sensor (no. 5 and 6)	2
6	Clamp for feeder shaft Ø12	2

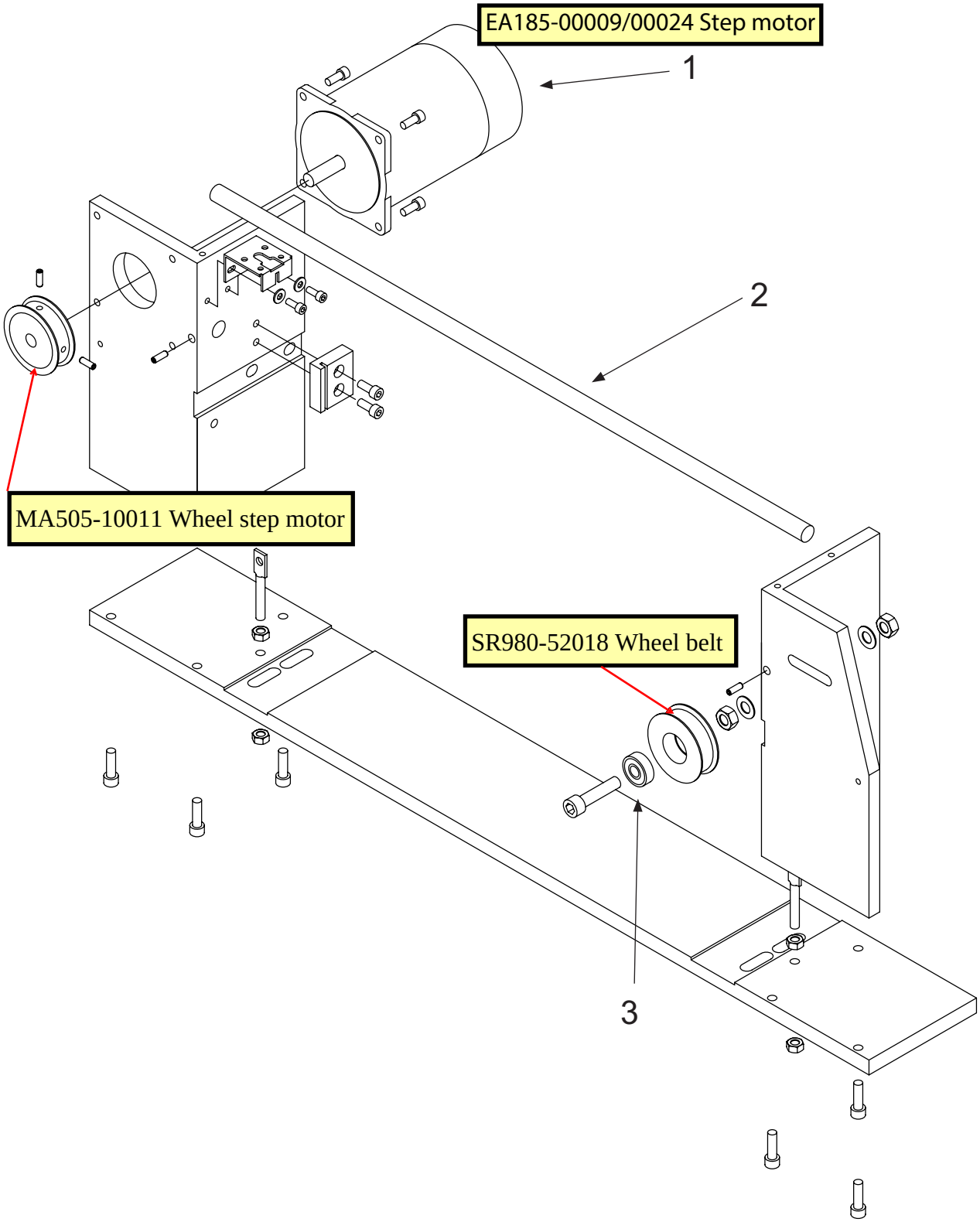
7 MA439-10008 Washer
8 MA410-06010 Screw M6x10
9 Ma511-00001 String for paper guide
10 SR975-51007 Press arm
11 MA500-10005 Bearing

5.7 Paper cutter, exploded view, part 1 of 3



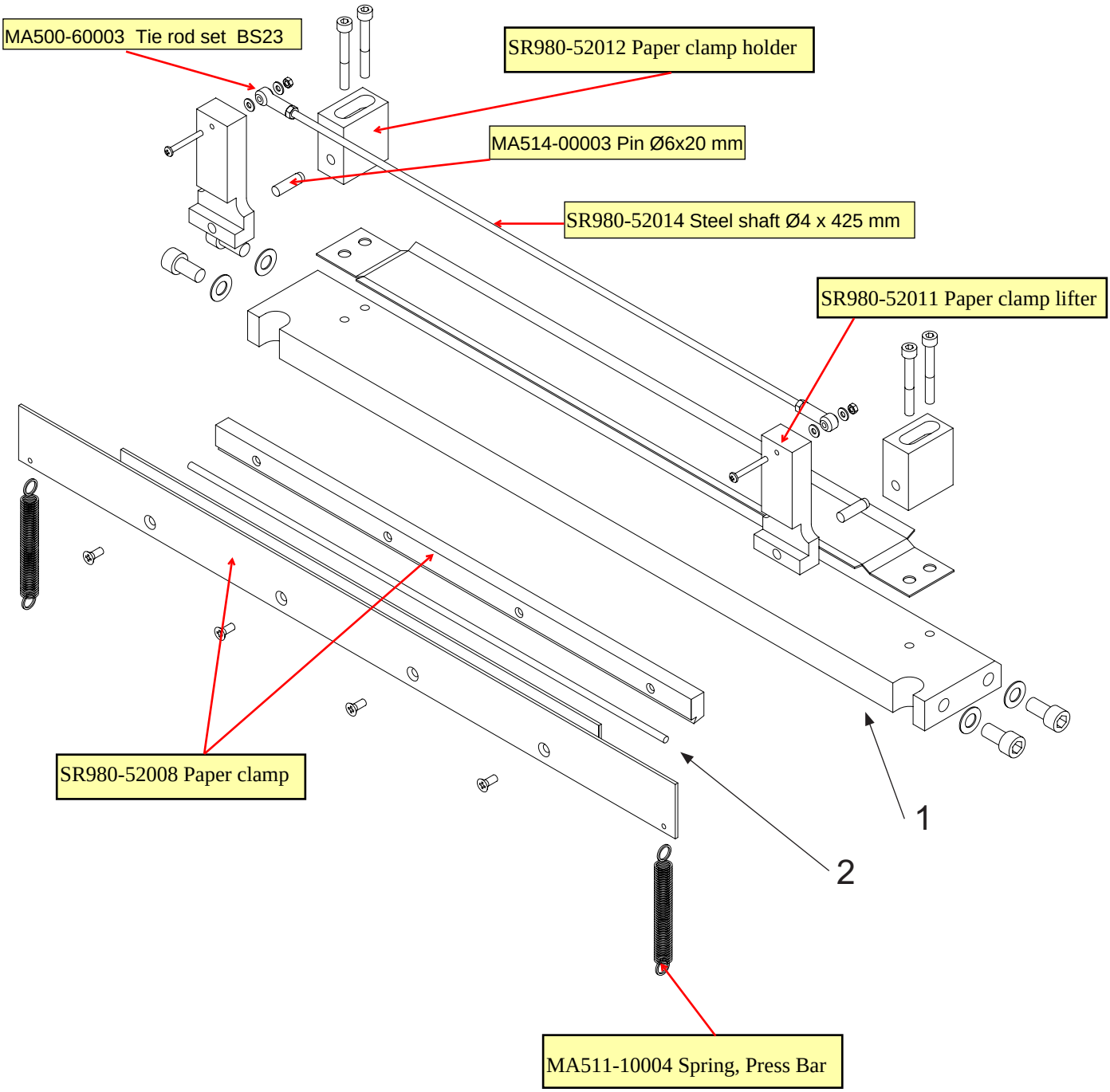
Pos	Name	Quantity
1	Bearing 626 2Z	1
2	Blade Roller MA599-00002	1
3	Stroke ball bearing Ø12	2
4	Bearing 688 2Z MA500-10007	2
5	Belt MA505-20006 1,4m	1
6	Wire Ø 1.2 mm	1

Paper cutter, exploded view, part 2 of 3



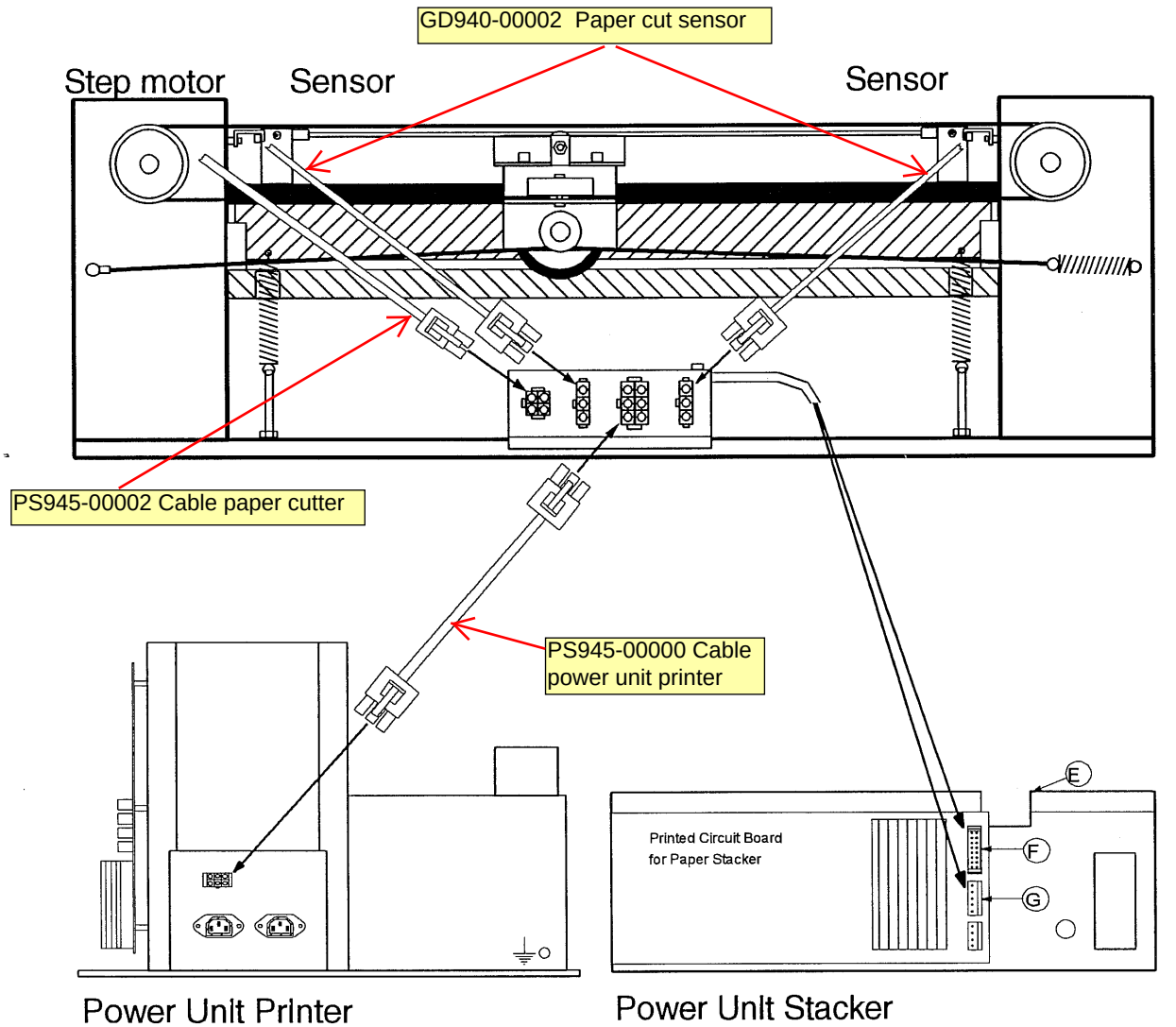
Pos	Name	Quantity
1	Stepping motor	1
2	Shaft for carriage Ø12	1
3	Bearing 608 2Z	1

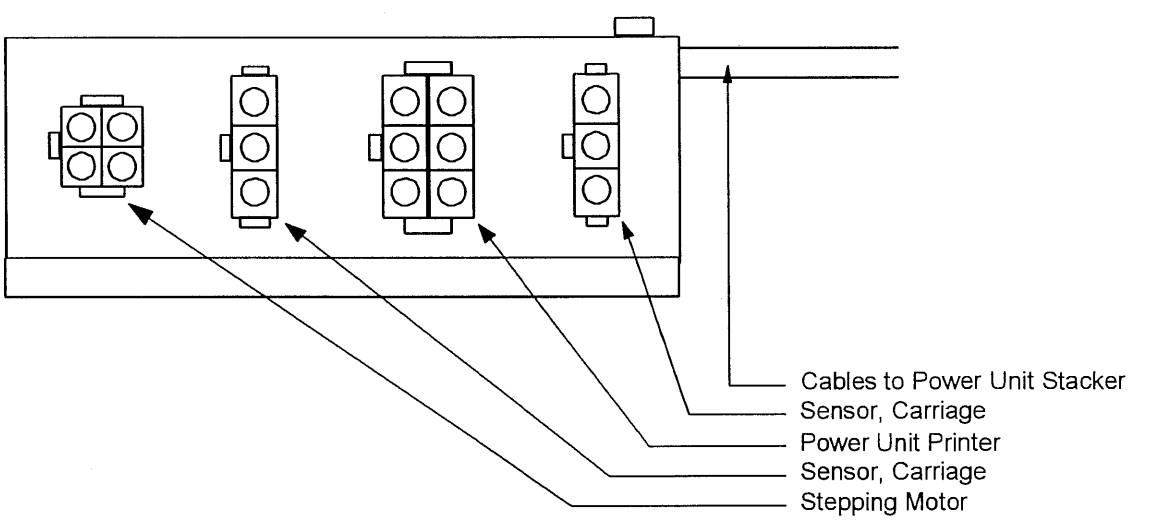
Paper cutter, exploded view, part 3 of 3



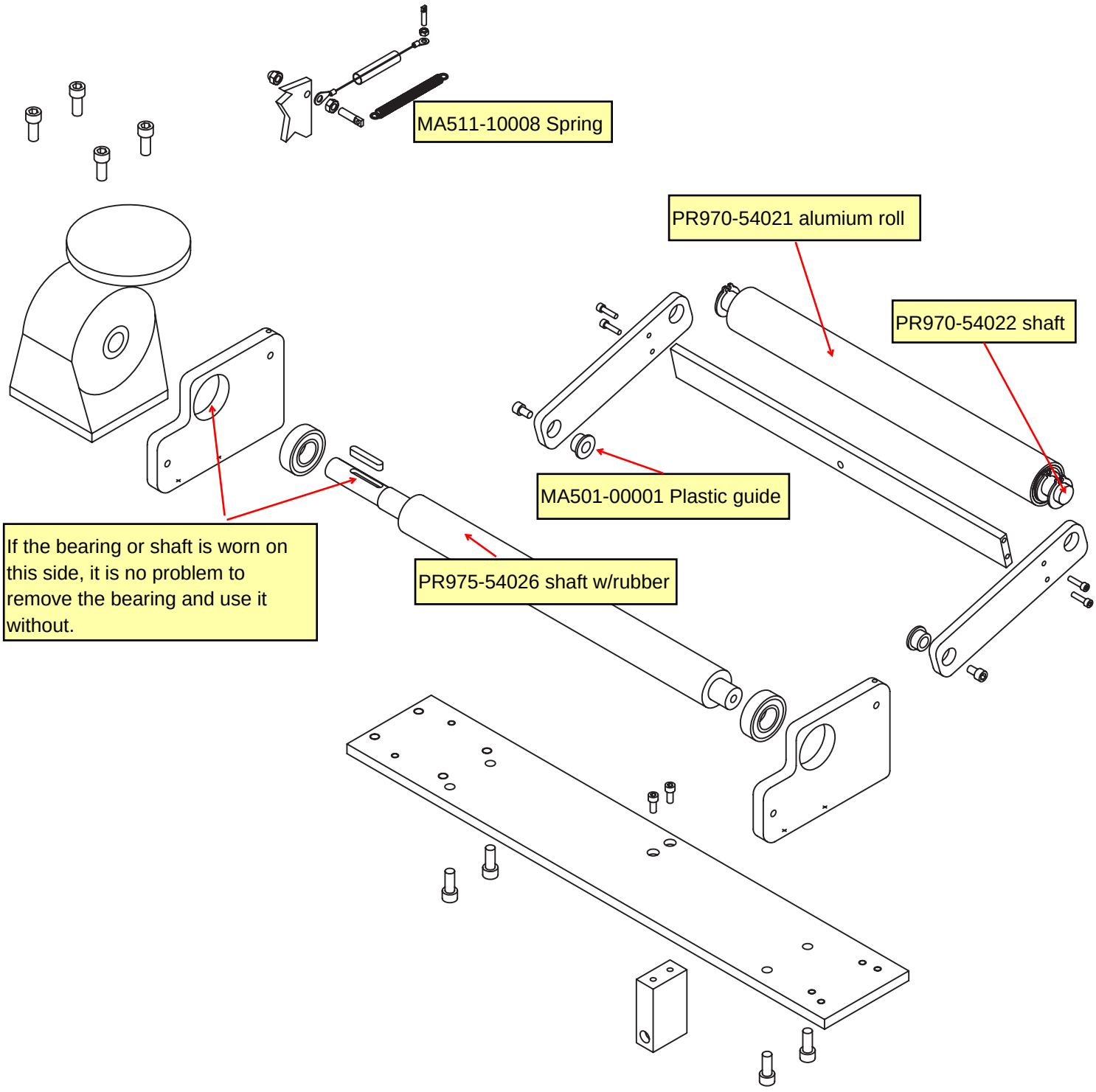
Pos	Name	Quantity
1	Blade fixed SR980-52009	1
2	Rubber list Ø4 mm	1

4.4 Cable Connections Paper Cutter

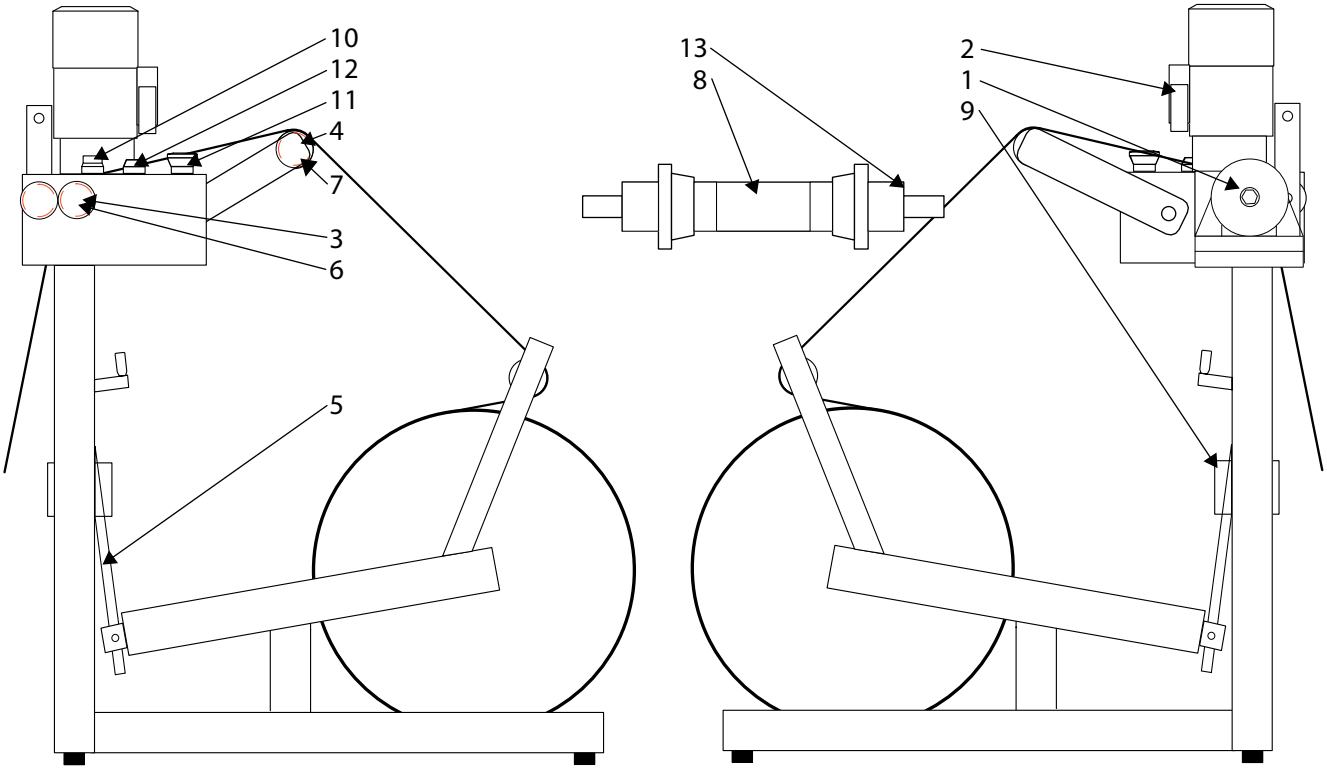




Paper Roll Feeder (electric), exploded view,



8.5 Overview spare parts



EA110-00066 Switch Auto/Off (No. 10)
EA110-00067 Clips for switch
EA110-00070 Contact block

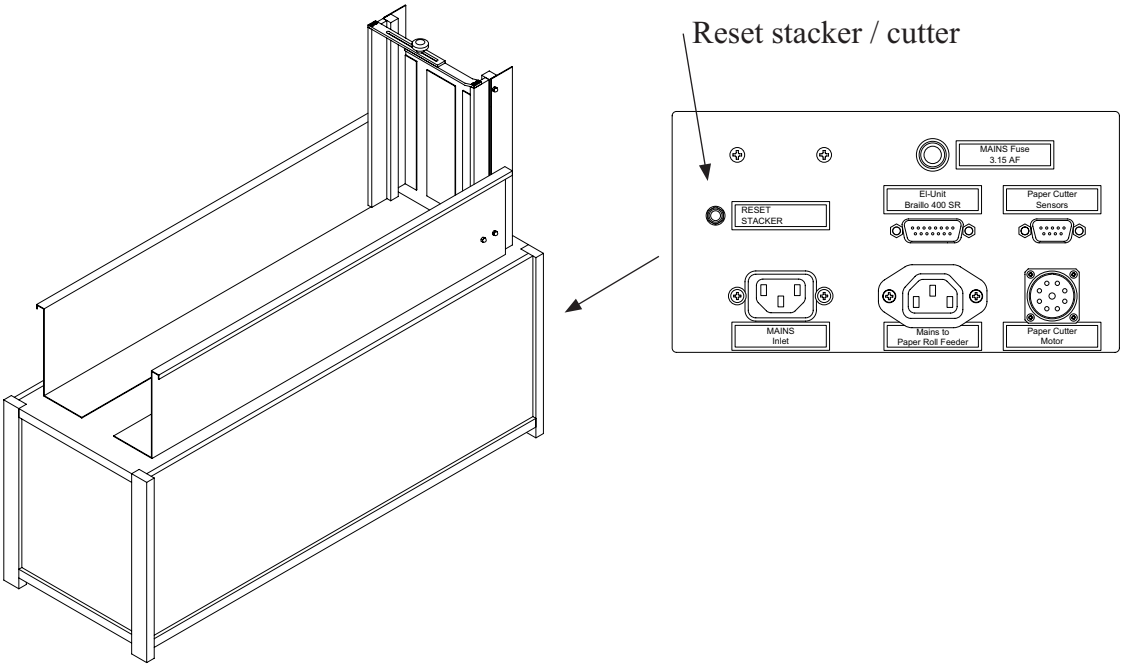
EA110-00077 Lamp (No. 12)
EA110-00066 Led modul or lamp

EA110-00032 Reset switch (No. 11)

EA110-00025 Clips for switch (old type)
EA110-00012 Contact block (old type)
EA110-00032 Switch Auto/Off (old type, not available)

No.	Name	Number of parts
1	Worm Gear	1
2	Motor, Paper Feeder	1
3	Feeder Roll, Rubber	1
4	Correction Roll, Aluminium	3
5	Screw, Roll Lift	1
6	Roller Bearing, Feeder Roll	2
7	Roller Bearing, Correction Roll	6
8	Roller Shaft	1
9	Photo Sensor	1(EA205-00009)
10	Switch, “Off Auto”	1(EA110-00066/67/70)(Clip only EA110-00025)
11	Emergency Switch	1(EA110-00027)
12	Power Lamp	1(EA110-00028)
13	Roller Bearing, Roll Shaft	2

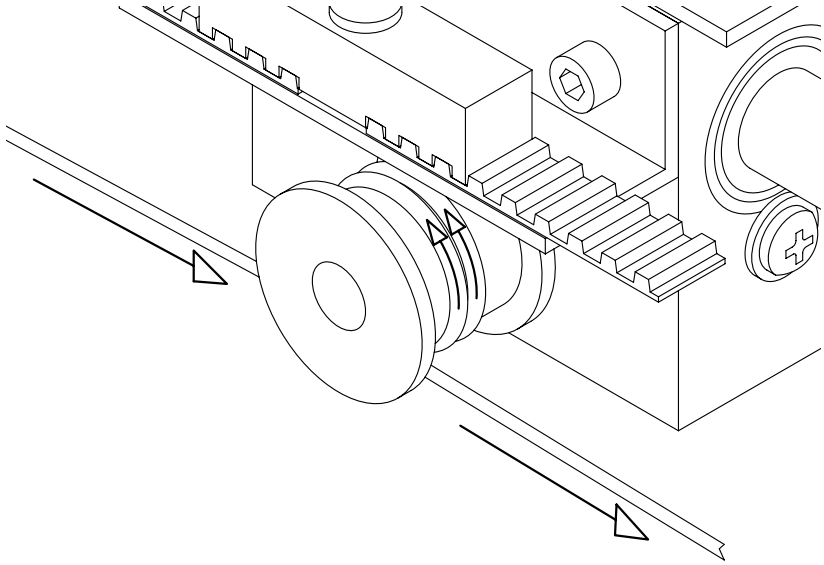
4. System error.
If the error message appears, and nothing of the above seems to be the case, there are several things that must be checked. However, this testing should be done by authorized personnel only. The problem may be caused by one of the following: The operating program is disturbed, (e.g. static noise), defect motherboard, defect wiring from the electric unit to the step motor, defect step motor, defect sensors, defect wiring to the sensors, defect power supply, etc.
If something like this is suspected, try first to reset the Paper Stacker, if it does not help, contact authorized service personnel.



If the paper cutter carriage moves correctly, but still does not cut the paper properly, it could be caused by some of the following:

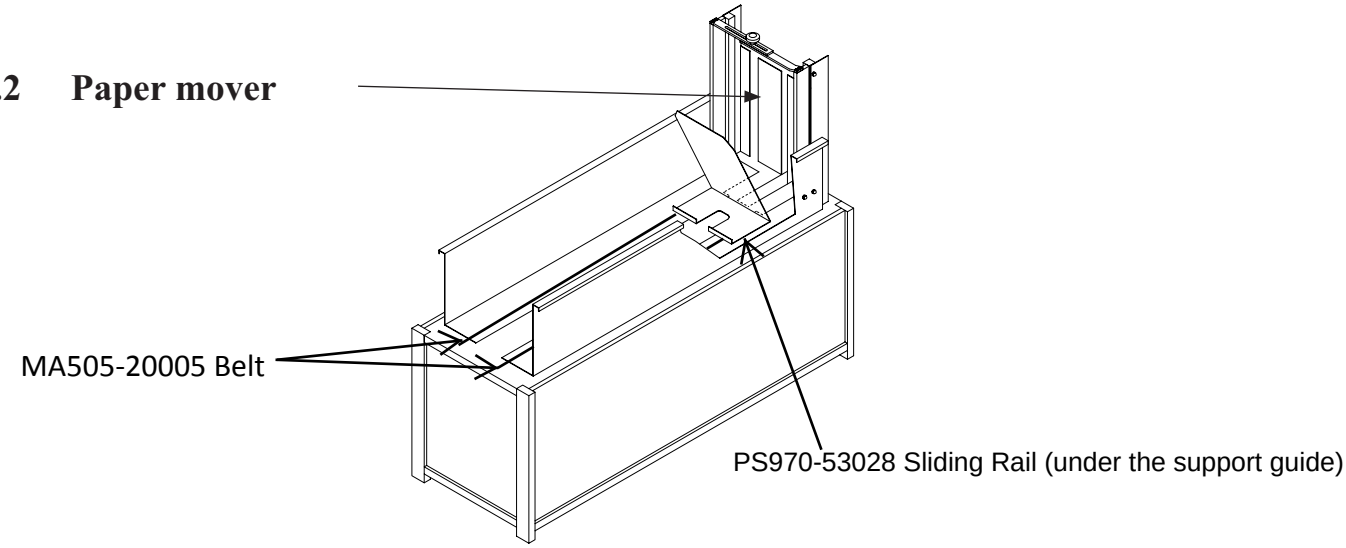
1. The string for the roller blade is defect, causing the roller blade not to rotate.
Take the transparent cover off. Inspect the string. See chapter 5.7 “Paper cutter, exploded views” as a reference. If the string is defect, replace the string.

Note! When replacing the string, it must be mounted like on the figure below to make the blade rotate the correct way, and to give the carriage the correct tension against the fixed blade.



2. The cutting edge on the blades may not be sharp enough to give a clean, nice cut.
To correct this, replace the roller blade, and if necessary the fixed blade.

7.2 Paper mover



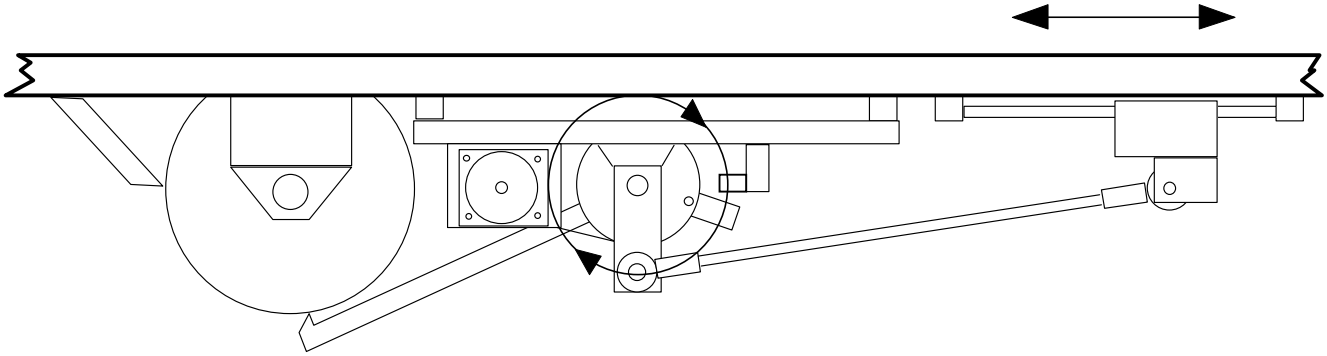
If everything is OK upon power on, the Paper Mover will move forward and backward and then park at the rear position.

If the Paper Mover cannot get to the parking position, the following message will appear on the display in the Printer:

Cut/Stack Error
At Paper Mover

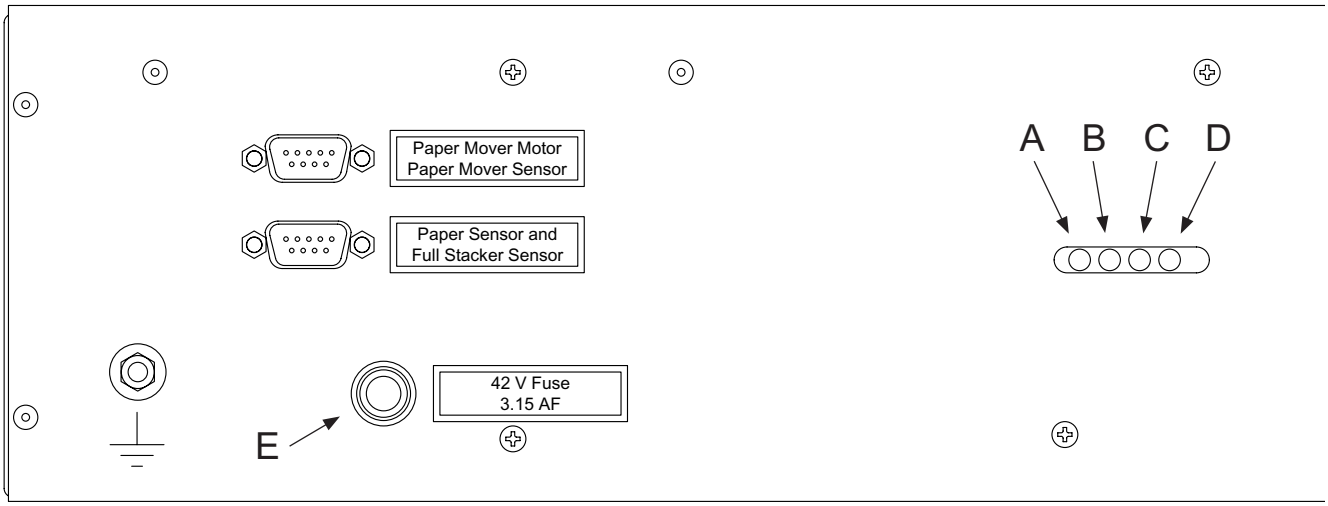
The reason might be:

1. The Paper Mover is obstructed and cannot move.
Check if the Paper Stacker is adjusted to narrow for the moving plate, eventually replace the moving plate with a narrower plate. Check if the support plate has been pushed to close to the Paper Mover. If it is suspected that the mover cannot move easily, it can be tested like this: Take off the side plate. (See figure below). Turn off the power and turn the eccentric by hand. By doing this, it is possible to feel if there is something obstructing the movement. If there is some clogging, try to find the reason. If the eccentric can move quite easy, the problem is probably in the electrical unit or with the wires.



2. Blown fuse ?

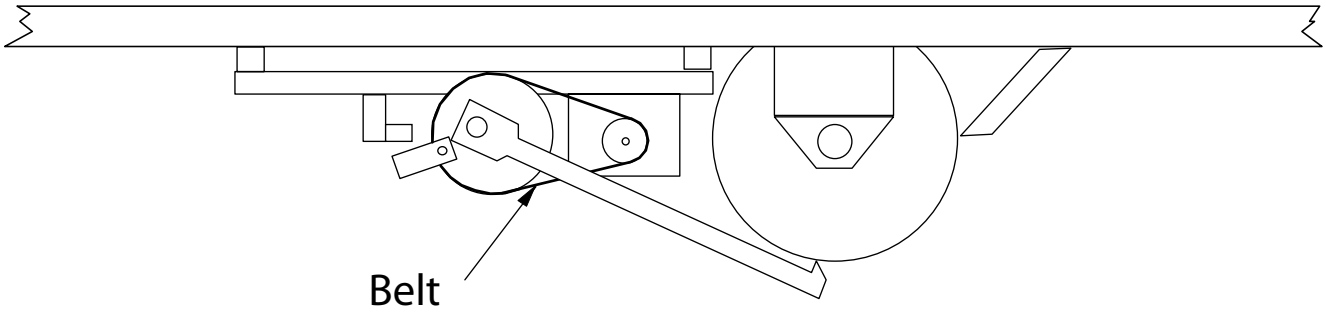
The fuses can be found inside the Paper Stacker. To check the fuses, take of the side plate, switch the power on with the main switch on the Printer and see if there is light in the LED's like on the figure below:



The LED's (A), (B), (C) and (D) must all be illuminated. If all is dark, check the mains fuse (nearby the mains cable inlet) and make sure that mains cable is connected.
If only LED (A) is dark, the fuse (E) is to be suspected. This fuse is taken out by unscrewing the cap, and the fuse will be attached to this cap. This fuse is rated 3.15AF.

3. The belt is broken or damaged.

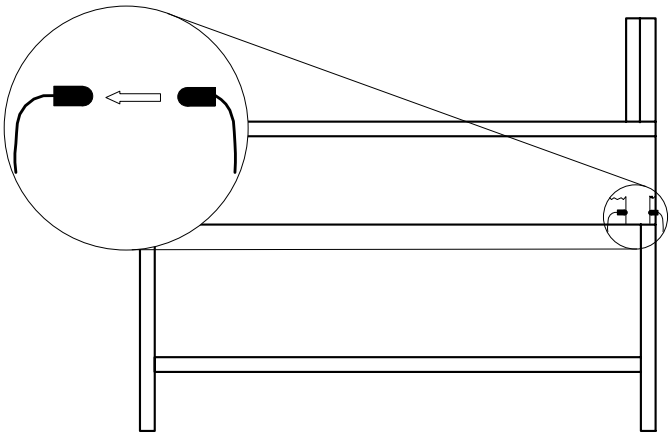
Take off the side plate and make an inspection of the belt and the wheels. If the belt is broken or damaged, replace the belt.



4. System error.

If the error message appears, and nothing of the above seems to be the case, there are several things that must be checked. However, this testing should be done by authorized personnel only. The problem may be caused by one of the following: The operating program is disturbed (e.g. static noise), defect motherboard, defect wiring from the electric unit to the step motor, defect step motor, defect sensor, defect wiring to the sensor, defect power supply, etc. If something like this is suspected, contact authorized service personnel.

7.3 Paper sensor

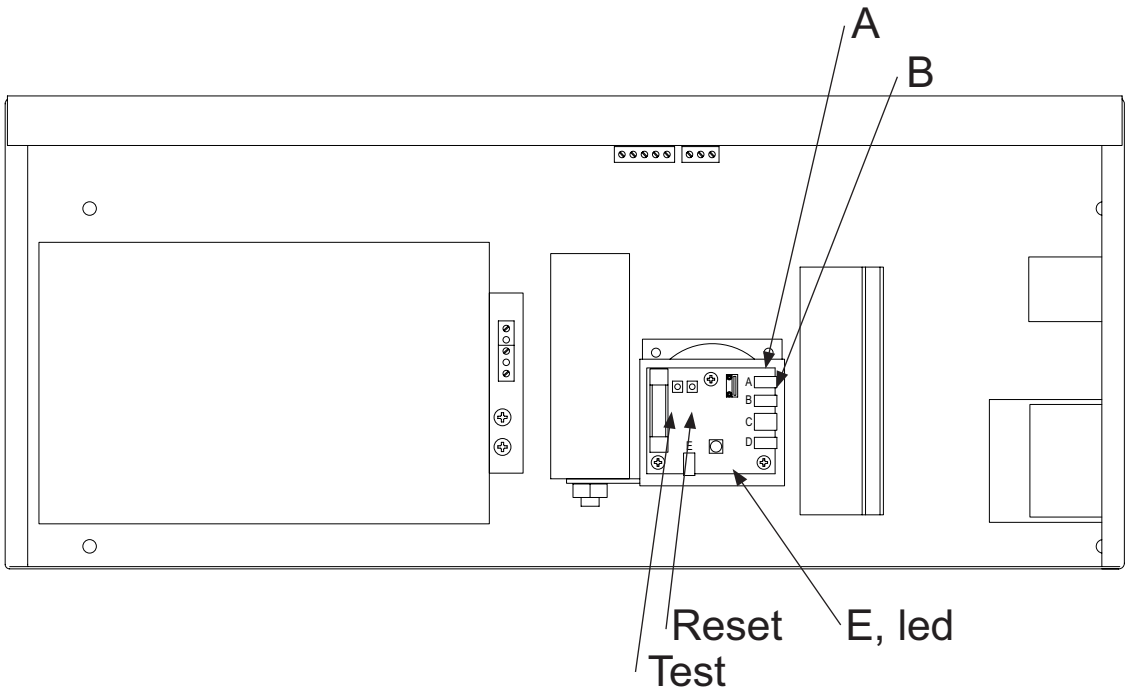


To detect if a sheet has fallen down from the cutter, there is a sensor in the Paper Stacker. (See the figure).
The sensor consists of an infrared light transmitter and a receiver. The arrow is indicating the light beam. When a sheet falls down from the cutter correctly, it will block the light beam and be moved to the stack.
After the cutter in the Printer has cut a sheet, the sheet must be detected by the sheet sensor within a certain period of time. If no sheet falls down within this period of time, it will activate the message “Cut/Stack Alarm At Paper Sensor”.
However, if the sheet falls down after this, or somebody “helps” it down, the Paper Mover will immediately move the sheet to the stack, and the message in the display changes to “Cut/Stack Ready”. To continue the printing, push the TEST PRINT button in and out.

If the light beam is blocked any other time, the alarm message will also be activated.

Note! Observe that the Paper Mover may start to move when something is detected by the sensor. Use e.g. a piece of paper to block the light beam to avoid hurting your fingers.

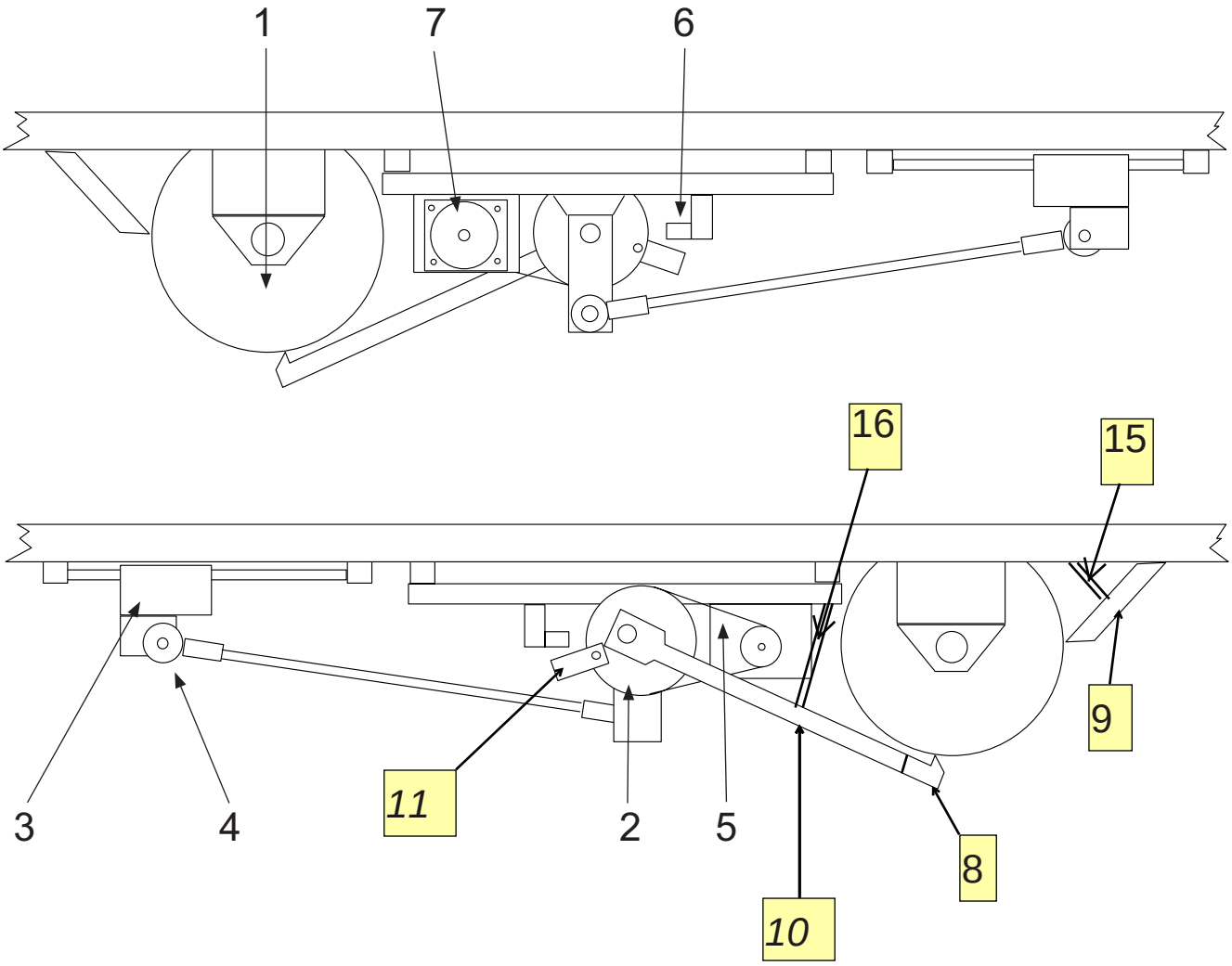
If some problems are suspected with this sensor, it may be tested on LED (E) in the electronic unit. The LED will light up when something is detected by the sensor. (Something blocking the light beam).



If the LED does not light up, check the connections (A) and (B).

The Paper Mover may be tested with button (Test). When this button is pressed down, the Paper Mover will move forward and backwards and park at the parking position. The Paper Cutter will also make one cut. The complete Paper Stacker unit may be reset with button (Reset), or with the Reset switch at the end of the unit.

7.4 Overview Spare Parts Paper Stacker



Pos	Name	Quantity
1	Ratchet	1
2	Eccentric wheel PS	1
3	Housing, stroke ball bearing	1
4	Joint coupling	1
5	Belt MA505-20004	1
6	Sensor	1
7	Stepping motor	1

8	PS975-53029
9	PS975-53031
10	PS975-53030
11	Sensor plate
15	Spring (505 206 25)
16	Spring MA511-10002

7.5 Cable connections paper stacker