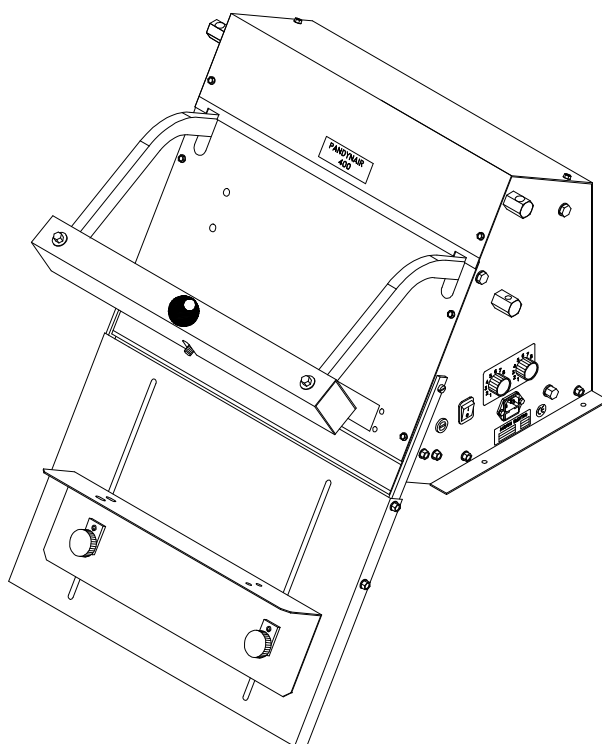




AUDION ELEKTRO®

PANDYNO



MANUAL

400 PD ENG Rev13

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If this manual has not been supplied with instructions for certain repairs, adjustments and maintenance, you should contact your dealer of AUDION ELEKTRO.

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1 To unpack the sealer

Check during the unpacking of the sealer, if all parts mentioned below are present:

- The sealer (Pandyno)
- Main cable
- Adjustable work table with bag support
- Cutting wire "stretcher"
- Stand for filling chutes
- Manual
- Pack control card

Check the data on the identification plate (see fig. 1) on the sealer and write these down in the identification plate copied below.


| | | | |
|---|----------------------|-------|------------------------|
|  AUDION ELEKTRO® P.O.BOX 389, 1380 AJ WEESP, HOLLAND | | | |
| TYPE | <input type="text"/> | VOLT | <input type="text"/> ~ |
| SERIE | <input type="text"/> | WATT | <input type="text"/> |
| JAAR | <input type="text"/> | HERTZ | <input type="text"/> |

Fig. 1

The sealer has been packed in polystyrene foam. This polystyrene foam is chlorofluorocarbon free, environment-friendly and can be disposed off as normal house refuse. We recommend to stock the packing for eventual transport in the future.

2 Safety instructions

Read the manual carefully before any operation on the sealer !

- Check, before the sealer is put into operation, if the data on the sealer identification plate corresponds with the voltage (V), the consumption (W), and the frequency (Hz) of the local power supply.
- In case the sealer is not used for a longer period of time, disconnect the power by pulling the plug out of the socket.
- Always switch off the power to the sealer if any maintenance should take place. Be aware of the possibility of an electrical shock.
- Do not use water, abrasives, chemicals or other liquids for cleaning the sealer.
- In case there is any doubt about the correct operation of the sealer you should immediately disconnect the power and consult a mechanic.
- To prevent any danger of electrical shocks, never open the housing of the sealer. Have repairs done by skilled maintenance staff only.
- Should liquid or an object fall into the sealer, immediately take the plug out of the socket and have the machine checked by a skilled person before using it again.
- In case some spare parts should be replaced, only spare parts supplied by the manufacturer should be used.
- To seal, only use materials that are suitable for the sealer.

3 General description

The sealer is a semi-automatic packaging machine. The Pandyno uses a magnetic locking mechanism. By mounting several chutes, you can increase your productivity. The filling chute belongs to the accessories of the sealer (see Chapter 10).

The sealer is suitable for sealing Polyethylene (PE) and Polypropylene (PP). The material can be used from tube film or from stack.

The sealer is supplied with a cutting wire which cuts the film during the sealing process exactly in the middle of the seal. By this operation both the upper side of the bag as the lower side of the film are being sealed simultaneously (in case of using film tube).

The standard model of the sealer is supplied with a seal timer, cool timer, cutting wire, and an adjustable work table.

Accessories that can be supplied with the sealer are a support, various filling chutes and a code seal (see Chapter 10).

4 Dimensions

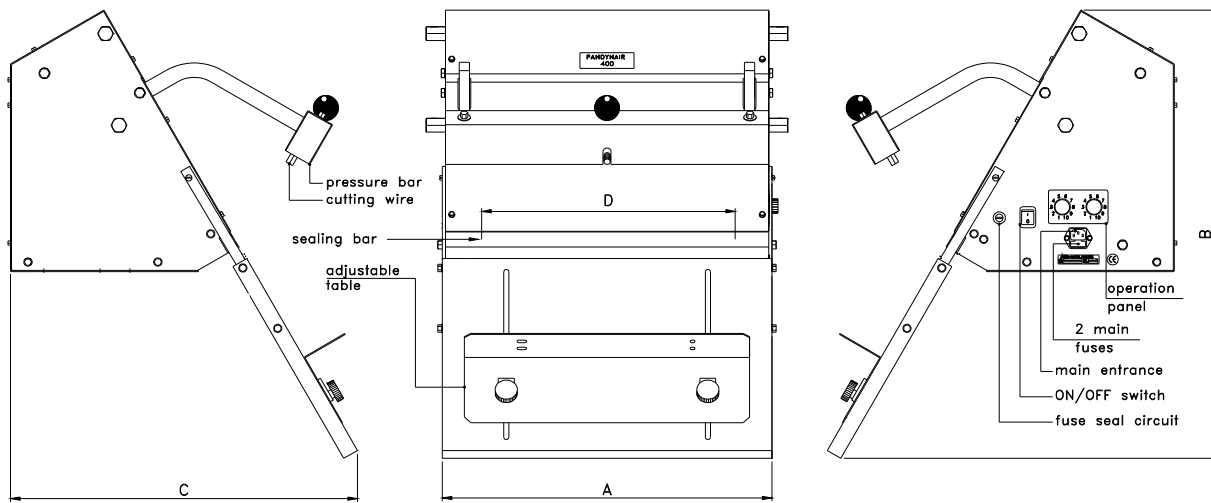


Fig. 2

| TYPE | DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D |
|--------|-------------|-------------|-------------|-------------|
| 400 PD | 575 mm. | 680 mm. | 565 mm. | 400 mm. |

5 Operation panel

NOTE ! Fig. 3 shows the operation panel of the sealer.

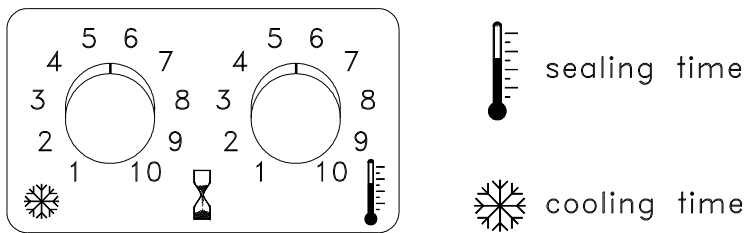


Fig. 3

6 Installation

6.1 Description of working place

Install the sealer in a ventilated, well illuminated space. Mind that the sealer is not exposed to direct sun light, extreme temperatures, damp, dust or sand. The sealer is not allowed to be exposed to mechanical shocks or vibrations.

6.2 Connecting the sealer

Be sure that the power of the sealer is off and the green on/off switch on the sealer (see fig. 2) is at "0" (off) before connecting the sealer.

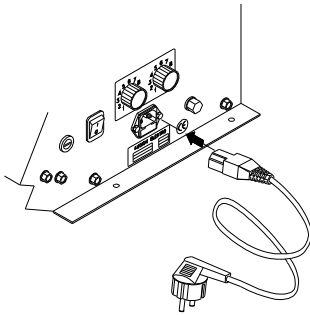


Fig. 4

Put the plug of the mains cable into the main entrance at the right hand side of the sealer. Finally, put the plug into the wall socket. The wall socket must have an earth connection and be fitted with a 25A fuse (maximum).

6.3 Take into use

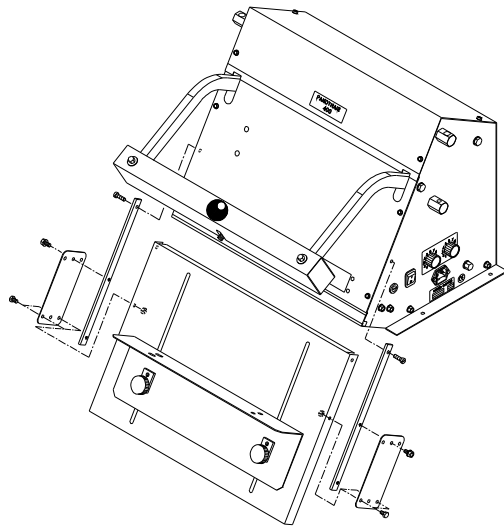


Fig. 5

Mount the worktable on the sealer (see fig. 5). By means of the plates that have been supplied with the sealer the operational height can be adjusted to the thickness of the product that will be packed. The adjustable bag support on the worktable can also be adjusted in height, depending on the product to be packed. Take care that the product to be packed cannot come in between the press and sealing bar during the sealing process!

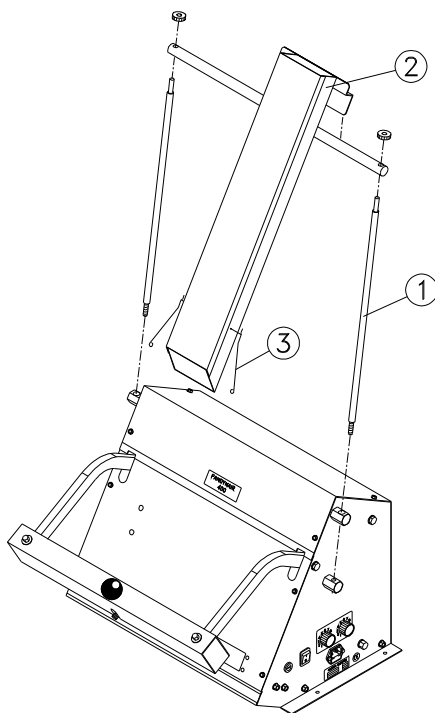


Fig. 6

In case of using the stand (1) and the filling chute (2) (accessory) , these should be mounted on the sealer (see fig. 6). Put the correct size of tube film over the filling chute. Mount the two springs (3) on both sides of the chute. They will keep the tubular film stretched to get a good seal. There are several sizes of chutes and film available.

When using the sealer for the first time, you should make a trial seal first. To make this trial seal, set the adjusting knobs (see fig. 3) for the sealing and cooling time at position 5. Switch the sealer on by using the on/off switch (see fig. 2). Press the sealing bar manually down. The pressure bar closes until both the sealing and cooling time have been expired. Hereafter the pressure bar will open again. Now, separate the packing at the middle of the seal just made. Check the packing for the seal and correct settings if necessary.

The sealing time setting depends on the thickness of the film. In case the seal is not strong enough, increase the sealing time by adjusting the knob for the sealing time to an increased value. If the seal appears melted and the film tears on the seal, the sealing time has been too long. In this case, the sealing time should be adjusted downwards. If the seal is good but not strong enough the cooling time can be increased. Now make a trial seal again until the correct sealing and cooling time have been found. The length of the sealed packing can be changed by moving the bag support on the working table in upward or downward direction. Take care that the product to be packed cannot come in between the press and sealing bar!

7 Specifications

Technical data like weight and dimensions of the sealer can be found in Chapter 9.

7.1 Operational specifications

- Operation speed : max. 7. bags per minute
- Sealing length: 400 mm.
- Sealing width: 5 mm.
- Ambient temperature: +5° . . . +40° Celsius
- Humidity: 30% . . . 95% rel. (non condensing)
- Fastening, fixing: at table or support
- Explosion safety: not to be used in explosive surroundings
- Extraction, ventilation: to be used in ventilated spaces

7.2 Applications not allowed

- Packing in medical, sterile environment
- Use in explosive environment
- Packing of poisonous, corrosive, irritating substances
- Packing of explosive materials
- Packing of poisonous, suffocating or irritating gasses
- Packing of (dangerous) dusty products

8 Maintenance

The sealer is a relatively simple machine which needs very little maintenance. There are a few small repairs which can be carried out by yourself. For other repairs please contact your dealer of Audion Elektro.

- Always pull the plug out of the socket in case of maintenance or repairs.
- Only use spare parts supplied by the manufacturer of the sealer.

The maintenance schedule below is for normal use. In case of intensive use or under extreme circumstances maintenance should be carried out more frequently.

Weekly maintenance:

| | |
|--------------|---|
| SEALING BAR | CHECK THE CONDITION OF THE PTFE COATING OF THE SEALING BAR; IN CASE THIS HAS BEEN DAMAGED, REMOVE THE PTFE (SEE CH. 8.1). |
| Pressure bar | Check the condition of the rubber of the pressure bar; in case it has been damaged, it should be replaced (see Ch. 8.5). |
| Cleaning | Clean the sealer after use with a wet cloth and soft soap. |

8.1 Replacement of the upper PTFE

Remove the plug from the mains supply. Burnt or worn PTFE can be easily replaced. (see fig.7) Remove the old upper PTFE (1). Clean the strips from old glue rests. Stick the new upper PTFE onto the strips of the sealer.

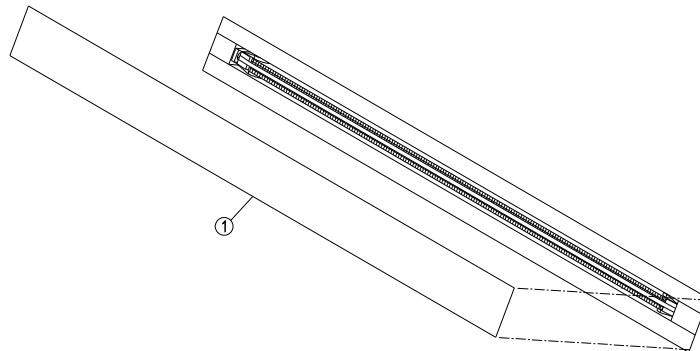


Fig. 7

8.2 Replacement of the sealing wire

Remove the plug from the mains supply and see fig. 8. Remove the upper PTFE (see Ch. 8.1). Remove the screws (1) out of the sealing wire tensioners (2) and remove the sealing wire.

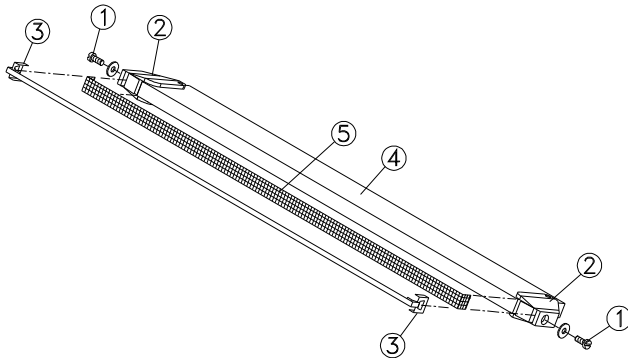


Fig. 8

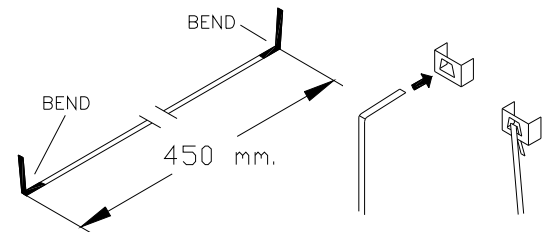


Fig. 9

Bend the new sealing wire 90° at both ends as shown in fig. 9. Place one end of the sealing wire through the mounting bracket (3) from the outside to the inside (see fig. 9), mount the mounting bracket (3) onto the sealing wire tensioner (2). Place the other end of the sealing wire through the other mounting bracket (3) (from the outside to the inside) and mount this bracket onto the other sealing wire tensioner. Check for the sealing wire stretcher to be stretched well. If not bend the sealing wire shorter (fig. 9).

8.3 Replacement of the lower PTFE

Remove the plug from the mains supply and see fig. 8. Remove the upper PTFE (see Ch. 8.1) and remove the sealing wire (see Ch. 8.2). Now remove the old lower PTFE. Clean the sealingbar (4) from old glue rests. Stick the new lower PTFE (5) onto the sealing bar (4) and take care that both ends of the lower PTFE should be placed with an equal distance between the sealing bar (4) and the sealing wire tensioners (2).

8.4 Replacement of the cutting wire

Remove the plug from the mains supply and see fig. 10. The sealer is supplied with a pressure bar with a cutting wire and can easily be removed from the machine. The cutting wire is used to cut the seal into two parts throughout the length. Remove the pressure bar by unscrewing the castellated screw (1) and taking out the pressure bar. Position the pressure bar in the supplied support (2).

Remove the cutting wire (3) by taking out the two screws (4) which are at the ends of the pressure bar. Mount the new cutting wire with the screws (4) through the holes onto the pressure bar. Take care that the cutting wire is in the middle of the rubber ! Replace the pressure bar into the machine with the castellated screw (1). Check for the pressure bar to pivot freely.

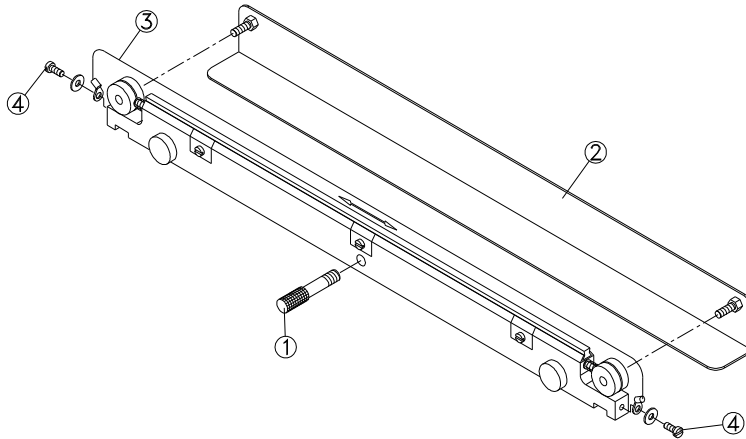


Fig. 10

8.5 Replacement of the pressure rubber

The sealer is standard supplied with a pressure bar which can easily be removed. Remove the pressure bar from the pressure arm and position the pressure bar into the special supplied support (2) and remove the cutting wire (see Ch. 8.4). The rubber can be removed by pulling it out of the profile. Now, the new press rubber can be slide into the profile. Attach the cutting wire again using the special support (see fig. 10).

9 Technical data

| PANDYNO | |
|----------------|---------------|
| Dimensions | See chapter 4 |
| Weight | 28 kg. |
| Sealing length | See chapter 4 |
| Sealing width | 5 mm. |
| Consumption | 750 Watt |
| Voltage | 230 V / 50 Hz |
| Loudness | ≤ 70 dB(A) |

10 Accessories

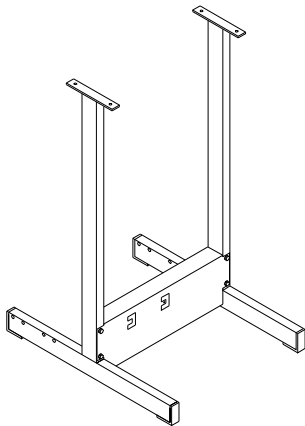


Fig. 11 Support SP 421

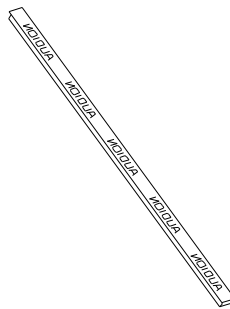


Fig. 12 Code seal

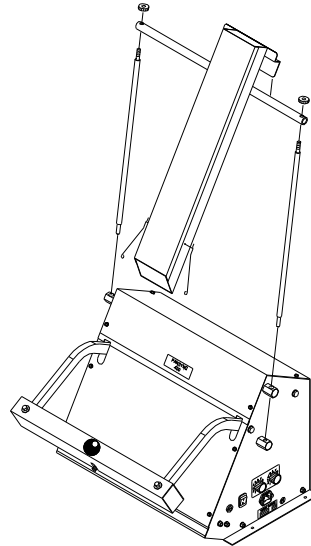


Fig. 13 Filling shutes

11 Problems and solutions

| PROBLEM | CAUSE | SOLUTION |
|---|---|---|
| The sealer does not work, the lamp in the switch does not light up. | <ul style="list-style-type: none"> - The plug is not correctly inserted into the socket. - A fuse of the sealer is defective or blown. - An internal interruption. | <ul style="list-style-type: none"> - Insert the plug correctly into the socket. - Replace the fuses (see fig.2). ***Warning*** Only use fuses of the same type and rating! - Contact your dealer or Audion Elektro BV |
| The sealer does not work, the lamp in the switch does work. | <ul style="list-style-type: none"> - The fuse of the seal circuit is defective or blown. - Thermal limit switch. - Internal interruption. | <ul style="list-style-type: none"> - Check the sealing bar and replace the fuse of the sealing circuit (see fig.2). - Switch off the sealer and let it cool down. After some time, try again if the sealer works again. - Contact your dealer or Audion Elektro BV. |
| The packing is not well cut off. | <ul style="list-style-type: none"> - Sealing time is too short. - Cooling time is too short. - Cutting wire has been broken. | <ul style="list-style-type: none"> - Adjust the sealing time. - Adjust the cooling time. - Replace the cutting wire. |
| The sealer makes a bad seal. | <ul style="list-style-type: none"> - Adjustments are not correct. - Sealing or pressure bar is dirty. - PTFE or press rubber could be burnt or worn. - Sealing wire is burnt. - Film or bags are made out of wrong material. | <ul style="list-style-type: none"> - Adjust the sealer again (see Ch.6.3). - Clean the sealing bar or the pressure bar. - Replace the PTFE or the pressure rubber (see Ch.8.1 & 8.5). - Mount a new sealing wire (see Ch.8.2). - Use film or bags of correct material. |

12 Recommended spare parts

| ARTICLE NUMBER | NAME | PER MACHINE |
|----------------|---------------------------------|----------------|
| 032600 | Upper PTFE | 1 |
| 032011 | Under PTFE | 1 |
| 032012 | Seal wire | 1 |
| 032612 | Cutting wire | 1 |
| 017401 | Silicon rubber | 1 |
| 052011 | Fuses 6.3A (20x5) | 2 |
| 052003 | Fuses 8A (20x5) | 2 |
| 052022 | Fuses 16A (32x6.3) | 1 |
| 056011 | Timer PD | PD 1x |
| 056000-15 | Timer PD/PDA | PD 1x / PDA 2x |
| AUDC | Audiocone, anti adhesive grease | 1 |

13 Discard the machine

In accordance with the directive 2002/96/CE, the logo below indicates that the equipment concerned is not to be disposed of as ordinary waste at the end of its useable life.

The equipment is to be delivered to a suitable depot that will dispose of the equipment in a proper way in accordance with the legislation on this subject, or to the supplier of new equipment in case of replacement.

The owner of the equipment is responsible for proper disposal of the equipment.
For further information we advise you to contact your local waste facility.



Appropriate disposal of Waste of Electric and Electronic Equipment prevents unnecessary pollution of the environment and negative influence on general health.

14 Conditions of guarantee

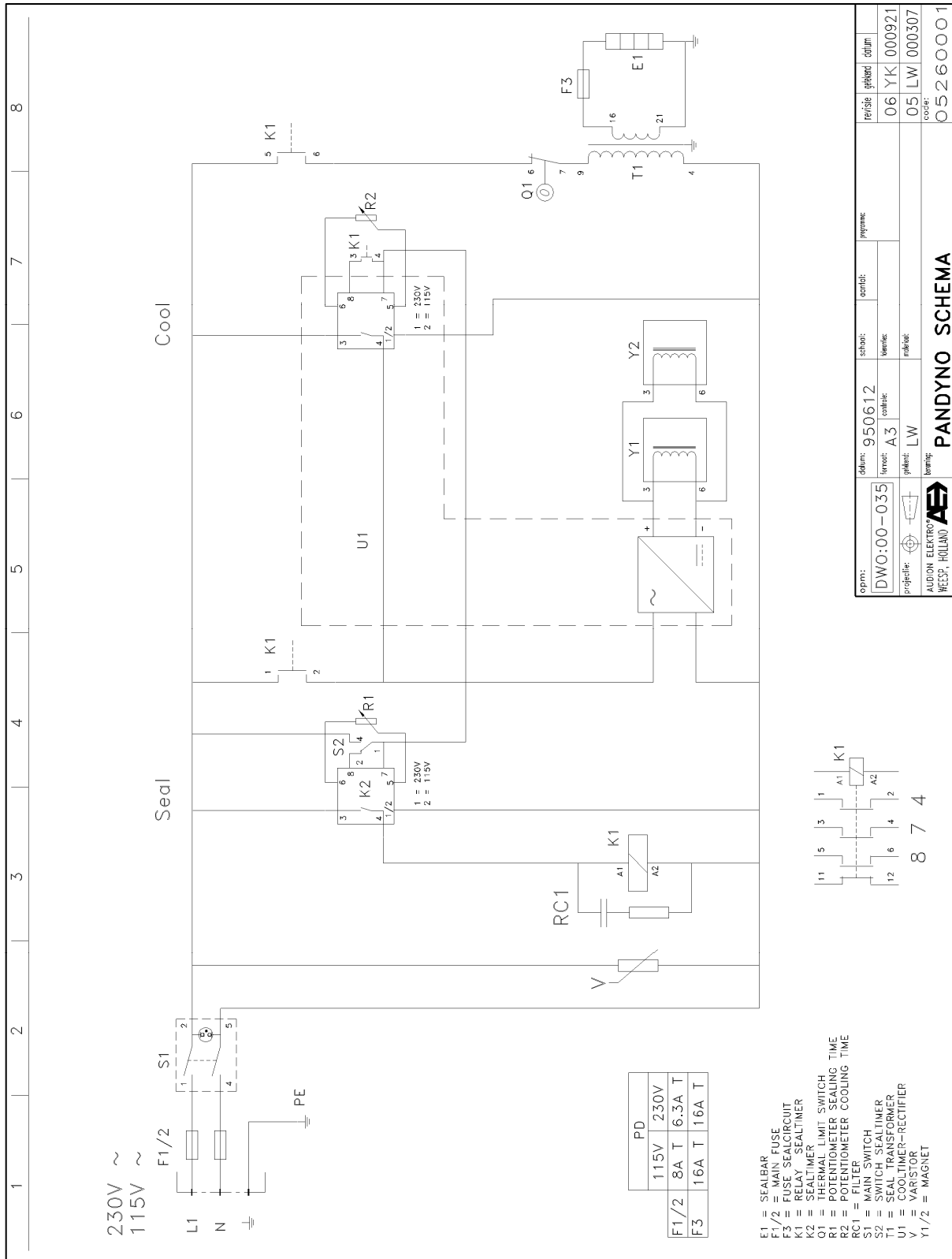
14.1 Liability

1. We exclude any liability as far as it has not been arranged by law.
2. Our liability will never exceed the amount of order.
3. Subject to the general valid regulations of the law, we are not obliged to any compensation of damage of which kind ever, directly or indirectly, under which company damage, to movables and immovables or to persons, both to the opposite party as to third persons.
4. In no way we are liable for damage arisen from or caused by the supplied or by the unsuitability of this for the purpose for which the opposite party has purchased the machine.

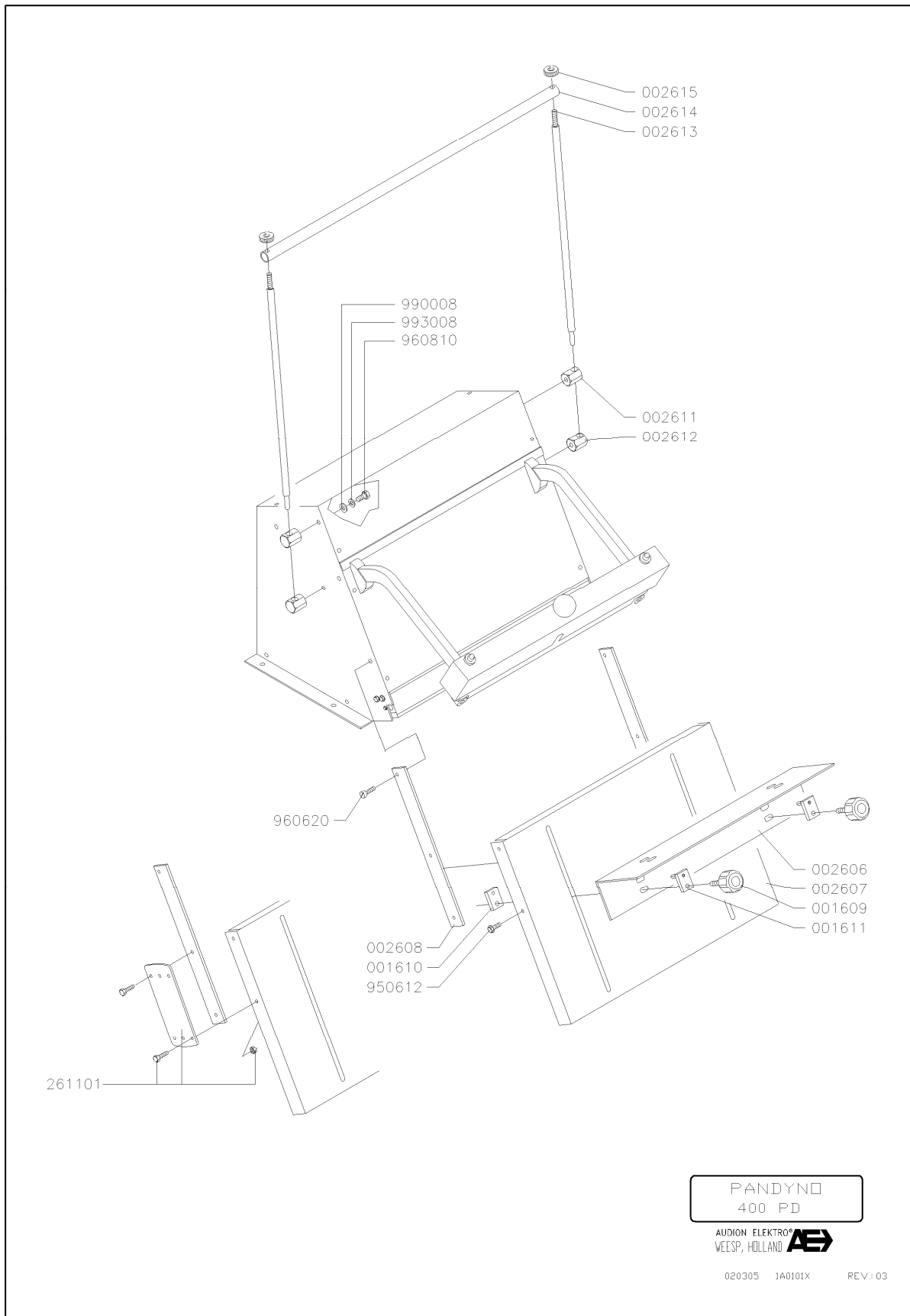
14.2 Guarantee

1. With due observance of the restrictions stated hereafter, we allow 12 months of guarantee to the products supplied by us. This guarantee is restricted to the occurring manufacture errors and does not imply interruptions caused by any form of wear spare parts subject to use.
2. To spare parts or enclosures obtained from third persons we do not give longer guarantee than this third supplier does.
3. Guarantee expires if the opposite party and/or third parties associated make improper use of the supplied.
4. Guarantee also expires if the opposite party and/or third parties associated execute activities and/or modifications to the supplied.
5. In case we replace spare parts to fulfill our guarantee engagement, the spare parts replaced become property of AUDION ELEKTRO B.V.
6. In case the opposite party does not come up completely, partially or does not come up in time to the obligations arisen from the closed engagement between the parties, we are not obliged to guarantee as long as the situation continues.

15 Circuit diagram Pandyno 400 PD



16 Exploded view Pandyno 400 PD

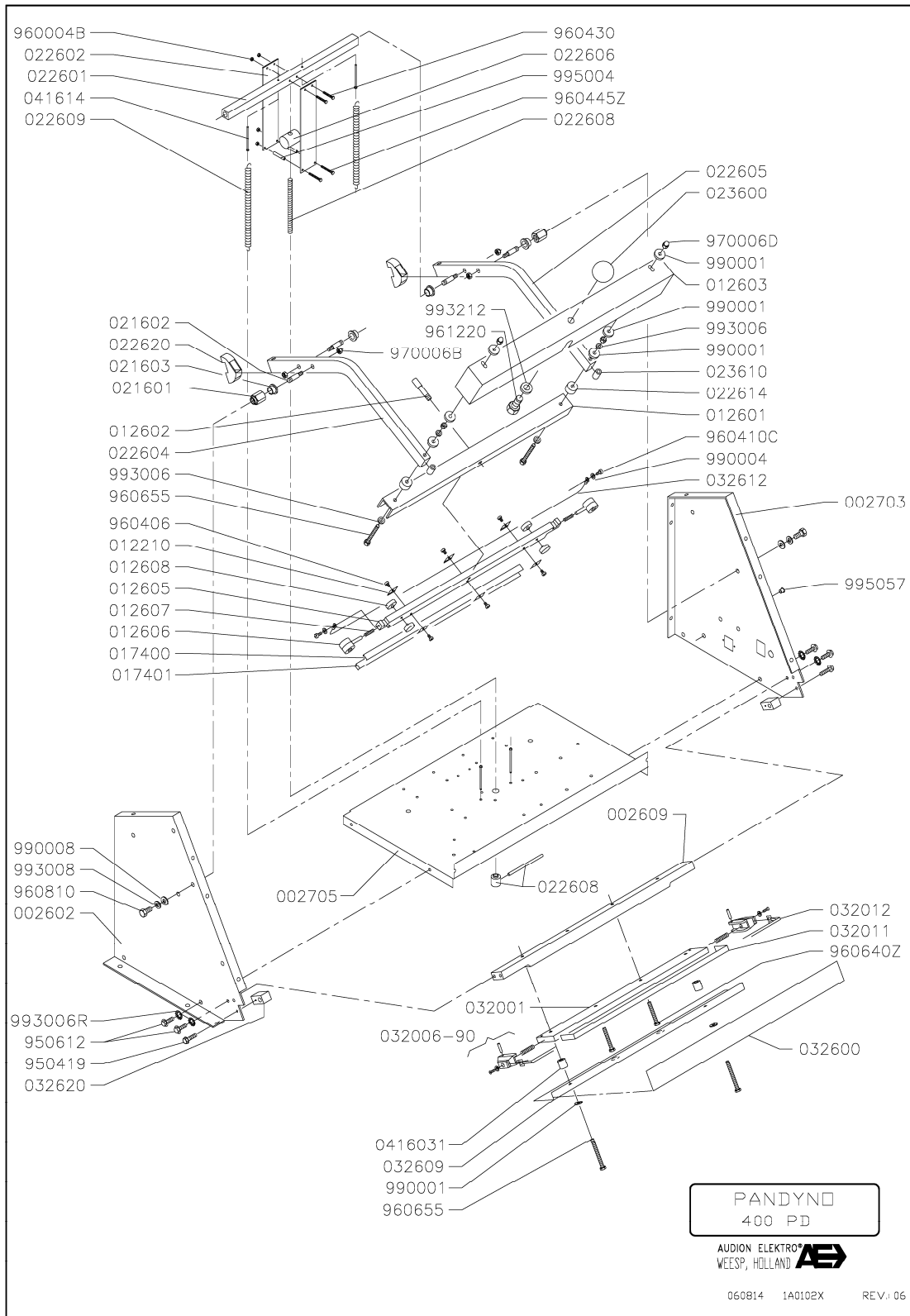


PANDYNO
400 PD

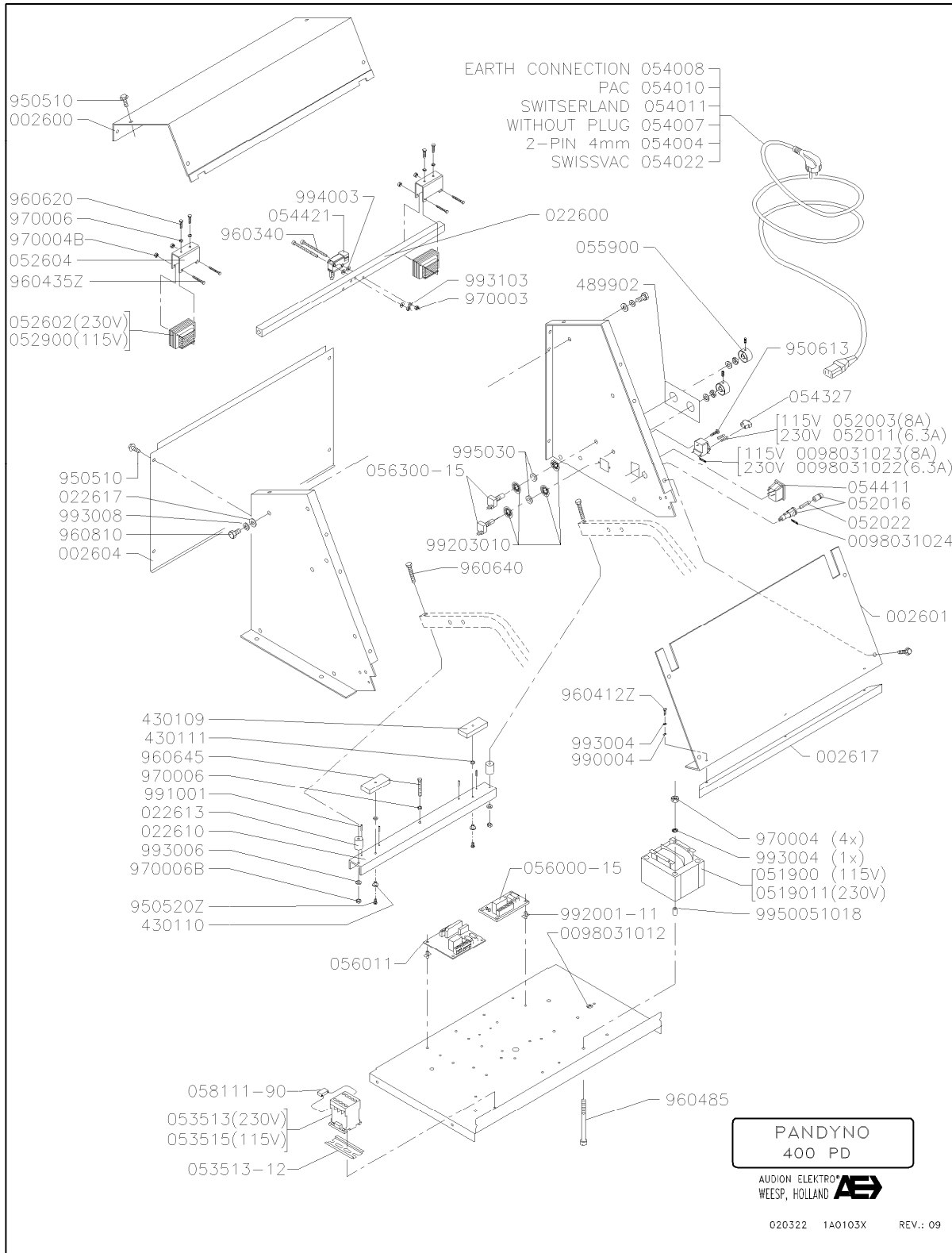
AUDION ELEKTRO
WEESP, HOLLAND

020305 1A0101X REV: 03

17 Exploded view Pandyno 400 PD



18 Exploded view Pandyno 400 PD





EC-DECLARATION OF CONFORMITY

AUDION ELEKTRO B.V., located at the Hogeweyselaan 235 in
Weesp, The Netherlands

herewith declares that the

PANDYNO

**Type:
400 PD-2**

- is in conformity with the provisions of the following EEC directives:
2014/35/EU Low Voltage Directive ; 2006/42/EC Machine Directive ;
2014/30/EU EMC-Directive ; RoHS 2 2011/65/EU Directive ;

- and that the following (parts/clauses of) harmonized standards have been
applied:

EN-ISO 12100; EN-ISO 4414; EN 1037+A1; EN-IEC 60204-1;

Weesp, 20-3-2017

E. Tangelder
Director

PGR26A

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