ersel

Alcor Fireplace

INSTALLATION MANUAL

Read carefully and store this document in a safe place

CE 2195

ersel

CONTENTS

1. INTRODUCTION

ERSEL®, a manufacturer of gas-fired heating appliances, built in products, develops and produces products that comply with the highest quality, performance and safety requirements. This appliance has a CE label, which means that it complies with the essential requirements of the European gas appliance directive. The appliance is supplied with an installation manual and a user manual. Installation and maintenance of the appliance should be performed by a professional certified expert with proven knowledge and demonstrable competence in this field. A professional expert takes all technical aspects such as heat output and gas connection into account.The installation manual will give you the information you need to install the appliance in such a way that it will operate properly and safely. If the installation instruction is not clear, national/local regulations must be observed.

This manual discusses the installation of the appliance and the regulations that apply to the installation. In addition, you will find the appliance's technical data as well as information on maintenance, possible malfunctions that might occur and what may cause them.

The figures can be found at the back of this booklet, in the appendix.

Please, read and use this installation manual carefully and completely, prior to installing this appliance. If you use the ERSEL® products, you must carefully and fully read and use the accompanying installation manual as well, prior to its installation.

The following symbols are used in the manual to indicate important information:

➡ Work to be performed

Tip: Suggestions and recommendations

ⓘ You will need these instructions to prevent problems that might occur during installation and/or use.

⚠ You need these instructions to prevent fire, personal injury or other serious damages.

After delivery, you should give the manuals to the user.

2. CE DECLARATION

ERSEL declares that company internal measures guarantee that appliances produced by ERSEL meet the essential requirements and guidelines of the regulation concerning gas-fired appliances and the accompanying standards. This declaration loses its validity If changes are made to the appliance without written permission from ERSEL. The instructions in the manuals must also be observed at all times.

PRODUCT DETAILS

Manufacturer	: ERSEL ISITMA ENERJİ SİSTEMLERİ VE EKİP. EV VE BÜRO GER. TİC. SAN. LTD. ŞTİ
Address	: ORGANİZE SAN. BÖL. 20.CD NO: 66 KAYSERİ / TÜRKİYE
Type	: Gas-Fired Heating Appliance
Brand Name	: Fujiyama / Ersel
Model	: ALCOR - ALCOR A
Regulations and Standarts	: 2016/426/AT (TSE EN 613 - TSE EN 613/A1)

3. GÜVENLİK

3.1. General

⚠ Please observe the generally applicable regulations and precautions/safety instruction in this manual.

3.2. Regulations

Please install the appliance in accordance with the applicable national, local and constructional (installation) regulations.

3.3. Precautions / Safety Instructions During Installation

Carefully observe the following precautions/safety regulations:

➡ You should only install and maintain the appliance If you are a certified and competent installer in the field of gas-fired heating.

➡ Do not make any changes to the appliance.

➡ If you are installing an appliance with a closed combustion: only use the concentric systems supplied by ERSEL®.

➡ If you are installing a free-standing appliance:

- place the appliance away from the back wall by the minimum distance stated further down in the text;
- make sure you observe the minimum distance in relation to the side wall(s) and the space above the appliance (see Appendix 3, fig. 2).

➡ Do not cover the appliance and/or do not wrap it in an insulation blanket or any other material.

➡ Unless stated otherwise: make sure that combustible objects and/or materials have a distance from the appliance of at least 500 mm.

➡ Only use the accompanying wood/pebble set and place it exactly as described.

➡ The space surrounding the pilot burner or ionisation pins must remain free.

➡ Make sure there is no dirt in gas pipes and connections.

➡ Place a gas tap in accordance with applicable regulations.

➡ Prior to putting into operation, check the complete installation for gastightness.

➡ If your appliance is provided with explosion hatches on its top, you must make sure that they cannot be blocked and check whether they fit well onto the sealing surface, prior to building in the appliance.

➡ Do not ignite the appliance before the gas and discharge connections have been fully installed, first observe the procedure described in chapter 7.

➡ Replace broken or torn glass panes.

The appliance was designed for atmospheric and heating purposes. This means that all visible surfaces, including the glass pane, can become hotter than 100C°. It is recommended to always place a protective grating in front of the appliance when there are children, elderly people or handicapped persons in the same room as the appliance. If it is possible that vulnerable people are regularly present in the room with no supervision, a fixed guard should be mounted around the appliance.

⚠ In case of broken or torn glass panes, the application may not be used.

4. REMOVING THE PACKAGING

Note the following items when removing the packaging:

Remove all packaging materials.

Remove all supplied components in, on and/or at the appliance.

Check the appliance and accessories for damages (during transport).

If necessary, contact your supplier.

Never install an appliance that is damaged !

Remove any screws that are used to fix the appliance to a platform or pallet.

ⓘ The glass pane(s) is/are made of a ceramic material. Very small irregularities in the glass pane(s) cannot be avoided, but are within the required quality standards.

ⓘ The wood set(s) is/are made of a ceramic material. Be careful when you're setting or removing. It is fragile like as a glass.

⚠ Keep plastic bags away from children.

In Appendix 2, Table 1 you can see which parts you should have after removing the packaging.

➡ Contact your supplier If you do not have all the parts after you finished removing the packaging.

➡ Dispose of packaging in accordance with local regulations.

5. INSTALLATION

Read this manual carefully to ensure the proper and safe installation of the appliance.

(!) Install the appliance in the order described in this chapter.

➡ Please install the appliance in accordance with the applicable national, local and constructional (installation) regulations.

➡ Observe the regulations/instructions in this manual.

5.1. Type of Gas

The data plate indicates for which type of gas, gas pressure and for which country this appliance is intended.

The data plate can be found on the appliance or can be attached to a chain to which it should remain attached.

⚠ Check whether the appliance is suitable for the type of gas and the gas pressure used at the location.

5.1.1. Reconstruction to Different Type of Gas

If you want to convert this appliance into a different type of gas, please contact ERSEL®'s service department and ask what is possible. Reconstructions should only be performed by authorized gas installers.

5.2. Connection

5.2.1. Gas Connectionı

Place a gas tap in the gas pipe in accordance with the applicable regulations.

⚠
- Make sure there is no dirt in the gas pipes and connections.
- No soldering may take place at the flexible gas hose(s), as this could cause leaks.
- The following requirements apply to the gas connection:
- Use a gas pipe with the correct dimensions, so that no pressure loss can occur;
- The gas tap must be approved (in the EU this will be the CE mark);
- You should always be able to reach the gas tap.

5.2.2. Electricity Connection

Place this electrical connection away from the appliance, as low as possible in the chmney breast.

This has to do with the temperature development in the chimney breast.

If possible, place the receiver after any building work has been completed.

If this is not possible:

(!) Protect the receiver against dust and moisture created during the building process!

5.3. Placing The Appliance

(!)
- Unless stated otherwise: always place the appliance with a minimum distance of 500 mm from combustible objects or materials;
- Place the discharge pipes in such a way that situations with risk of fire can never occur;
- Always place the appliance in front of a wall of non combustible and heat-resistant material;
- Always maintain a minimum distance between appliance and back wall, if indicated in the dimensional drawing (Appendix 3, fig. 2);
- Take sufficient measures to prevent high temperatures of a possible wall behind the chimney breast, including the materials and/or objects that are behind the wall;
- Do not cover the appliance and/or do not wrap it in an insulation blanket or any other material;
- Make sure that the appliance to be installed has a stable position. Attach the appliance, if applicable, to the wall using the wall brackets and/or fasten the extending legs with self-tapping screws.

(!) When installing an appliance that has to be built in, take the following into account:

The minimum construction dimensions according to Appendix 3, fig. 1 and 2.

➡ Provide a gas connection at the location. For details (see section 5.2).

➡ Make a passage for the flue gas discharge system or the concentric system with the following

diameters; for details, see section 5.6/5.7:

- the pipe diameter +10 mm for a passage through non combustible material;
- the pipe diameter +100 mm for a passage through combustible material.

5.4. Flue gas discharge / combustion air supply system in appliances with closed combustion

5.4.1. General

The appliance's type of discharge system is stated in Appendix 2, Table 2.
The appliance will be connected to a combined flue gas discharge / combustion air supply system, hereafter to be referred to as the concentric system.
The passage to the outside can be made with both a wall terminal and roof terminal. If necessary, you can also use an existing chimney

⚠ • Only use the concentric system supplied by ERSEL® This system has been tested in combination with the appliance. ERSEL® can not guarantee a proper and safe operation of other systems and does not accept any responsibility or liability for this;

- For connecting to an existing chimney you should only use the chimney kit supplied by ERSEL®.

5.4.2. Construction of the concentric system

Depending on the construction of the concentric system, the appliance will have to be further adjusted with possibly a restrictor slide or air inlet guide. See Tables 4 and 7 for determining the correct adjustment and section 'Adjustment of the appliance' for the method of working.
The concentric system with wall or roof terminal has to comply with the following conditions:

- In appendix 2, table 4 or 6 you can find whether a concentric pipe should be connected and what the minimum vertical length would have to be.
- Determine the permissibility of the required discharge.
- When using a wall terminal, the following applies:
- The total vertical pipe length, when using a wall terminal, may have a maximum length that you can find in Appendix 2, Table 4.
- The minimum vertical pipe length, when using a wall terminal, can be found in appendix 2, table 4.
- The total horizontal pipe length, when using a wall terminal, may have a maximum length that you can find in Appendix 2, Table 4.

Tip: In the horizontal section, 1 bend of 90° may be included. This bend counts for 2 metres. This means that the maximum allowed length is reduced by 2 metres. A 45° bend counts for 1 metre.
When using a roof terminal, the following applies:
The construction of the chosen system, when using a roof terminal, must be permissible according to Appendix 2, Table 6. (See the method of working described below)
The working method below indicates how the permissibility is determined of a concentric system when using a roof terminal.

1. Count the number of 45° and 90° bends required
2. Count the total number of whole metres of horizontal pipe length;
3. Count the total number of metres of vertical and/or sloping pipe length (roof terminal excluded).
4. In the first 2 columns of Table 6, look for the number of bends required and the total horizontal pipe length.
5. In the top row of Table 6, look for the required total vertical and/or sloping pipe length.
6. Use Table 7 to determine how the appliance should be adjusted

5.4.3. Placing the Concentric System

⚠ • Maintain a distance of at least 50 mm between the outside of the concentric system and the walls and /or ceiling. If the system is built in (for instance) a cove, it should be made with non combustible material all around it;

- Use heat-resistant insulation material when passing through combustible material;
- The rosette of the wall terminal is too small to seal the opening when passing through combustible material. That is why you should first apply a sufficiently large heat-resistant intermediate sheet to the

wall. Then, the rosette is mounted on the intermediate sheet.
The roof terminal can end in a sloping and a flat roof.
The roof terminal can be supplied with a glue plate for a flat roof or with a universally adaptable tile for a sloping roof.

(!) Some heat-resistant insulation materials contain volatile components that will spread an unpleasant smell during a longer period; these are not suitable.

Place the concentric system as follows:

➡ Build the system up from (the flue spigot of) the appliance.
➡ Connect the concentric pipe pieces and, if necessary, the bend(s).
➡ On each connection, apply a clip binding with silicon sealing ring.
➡ Use a self-tapping screw to fix the clip binding to the pipe on locations that cannot be reached after installation.
➡ Attach the concentric system with sufficient fastening brackets, so that the weight is not resting on the appliance. Observe the following;

- Place the first fastening bracket 0.5 metre from the appliance, at the most.
- Place a fastening bracket maximum 0.1 metre from each bend, if the bends are more than 0.25 metre away from each other. If two bends are closer to one another than 0.25 metre, 1 fastening bracket between these bends will be sufficient.
- At least every 1 metre, place a fastening bracket at slanted and horizontal sections.
- At least every 2 metres, place a fastening bracket at vertical sections.

➡ Fasten a roof terminal with anchor cables, if it protrudes more than 1,5 metres above the terminal.
➡ Attach the wall terminal from the outside by means of four screws.

5.4.4. Connection to an existing chimney

It is possible to connect the appliance to an existing chimney.
A flexible SS pipe is placed in the chimney with a fitting diameter at the flue gas discharge pipe, for the discharge of flue gas. The surrounding space is used to supply combustion air.
The following requirements apply when connecting to an existing chimney:

- only allowed when used in combination with the special ERSEL®
- chimney kit. The installation regulation is also supplied;
- the internal dimensions should be at least 150 x 150 mm;
- the vertical length has a maximum of 12 metres;
- the total horizontal pipe length may have a maximum length that you can find in Appendix 2, Table 4;
- the existing chimney has to be clean;
- the existing chimney has to be tight.

For adjusting the appliance, the same conditions/instructions apply as for the concentric system described above.

5.5. Additional Instructions

Tip: It will be easier to reach the gas control, if you remove the mantelpiece.

5.5.1. Placing The Appliance

⚠ The temperature of the wall behind the appliance may rise up to 60°C. This should be taken into account when selecting the wall and wall covering.

- A minimum free space of 100 mm space should be maintained below the appliance.
- At both sides and above the appliance, a free space of at least 500 mm should be maintained (see Appendix 3, fig. 2.).

When placing the appliance, take the following aspects into account:

➡ Firmly attach the wall plate (B) to a solid non combustible wall using four bolts (see Appendix 3, fig. 3);
(!) ➡ The wall plate (B) must be level.
➡ Carefully suspend the appliance (T) from the wall plate (B) (see Appendix 3, fig. 4).

5.5.2. Gas Connection

➡ Provide a gas connection (G3/8”) on the correct location.
➡ Make sure there is no dirt in gas pipes and connections;
- Connect the gas pipe to the gas tap.
- Bleed the gas pipe.

5.5.3. Placing The Receiver

The appliance is equipped with an electronic ignition through the remote control. The receiver must be placed in the appliance. Follow the procedure described below:

➡ Place the receiver in the receiver tray (see Appendix 3, fig. 5).
➡ Connect the receiver to the appliance according to the instructions in section 6.1.

5.6. Glass Pane

ⓘ
- Avoid damages when removing/placing the glass pane.
- Avoid/remove fingerprints on the glass pane, as they will burn into the glass.

5.6.1. Removing The Glass Pane

For removing the glass pane, you must observe the following steps:

➡ Remove the mantelpiece as indicated in section 5.9.
➡ Fully remove the 4 self-tapping screws from the clamp strip and remove the clamp strip (see Appendix 3, fig. 6).

ⓘ Hold the glass pane to prevent it from falling out.

➡ Now carefully remove the glass pane by tilting the top a little forward and lifting out the glass pane.

ⓘ Make sure the sealing tape at the edges of the glass pane is not damaged during removal.

5.6.2. Placing the glass pane

Placing the glass pane will take place in reverse order of removing the glass pane, as described above.

ⓘ
- Avoid/remove fingerprints on the glass pane, as they will burn into the glass.
- The bolts and nuts should not be over-tightened, since otherwise they could break or strip the thread:
- Check whether the sealing tape is located neatly along the edge of the glass pane.

When placing back the glass pane, take the following instructions into account:

➡ Slowly slide down the glass pane in its position and allow the glass pane to rest on the lower strip.
➡ Make sure the glass pane is placed exactly in the middle of the appliance and neatly connects to the side panes.

ⓘ
- Continue to stop the glass pane in the middle, so it does not fall back.
- Place the glass pane with the logo at the bottom right.

⚠ Make sure the front glass pane makes full contact with the side pane (there may be no opening between the side pane and front pane).

If the front and side glass panes do not connect:

➡ Loosen the self-tapping screws and nuts of the side pane clamp strips by a few turns.
➡ Slide the side pane tightly against the front pane.

ⓘ Make sure there is no sealing tape between the front and side panes (where the panes connect).

➡ Tighten the self-tapping screws and nuts of the clamp strips.

5.7. Setting The Appliance

The appliance has to be set in such a way that it works correctly with the used concentric system. For that purpose, a restrictor slide is placed and/or an air inlet guide is removed. The conditions for application with wall terminal and roof terminal are stated in appendix 2, tables 4, 6 and 7

5.7.1. Restrictor Slide

Tip: The restrictor slide (R) must be adjusted to the right position.

Aşağıdaki prosedürleri izleyin:

Proceed as follows:

➡ Remove the glass pane as described in section 5.6.1

The restrictor slide should be placed in the correct manner. Therefore, accurately observe the instructions in Appendix 3, fig. 8.

➡ Loosen the 2 self-tapping screws by a few turns, but not fully.

➡ Adjust the position of the restrictor in accordance with tables 4, 6 and 7.

➡ In the restrictor slide, 4 of the 5 possible positions are indicated by means of 4 cut out letters. B, C and D correspond with the letters in table 5, the O is indicated in table 4.

➡ Make sure that the point of the triangle belonging to the position that you want and the centre of the self-tapping screw are exactly aligned.

At restriction D, the restrictor slide should be placed fully towards the front.

➡ Now tighten the 2 self-tapping screws.

At position A, the restrictor slide should be fully removed from the combustion chamber. Proceed as follows:

➡ Remove the 2 self-tapping screws of the restrictor slide from the combustion chamber (see appendix 3, fig. 8);

➡ Remove the restrictor slide (R);

➡ Screw back the self-tapping screws in the combustion chamber;

- The self-tapping screws of the restrictor slide must have been screwed back in the combustion chamber.
- Do not throw away the restrictor slide, you may need it in the future.

➡ Place back the glass pane, as described in section 5.6.2.

Tip: If you are installing an appliance, whereby a wood set has to be placed, do not yet place back the glass pane.

5.8. Placing The Wood Set

The appliance is supplied with a wood set.

Strictly observe the following instructions to prevent unsafe situations:

- only ever use the supplied wood set;
- place the wood set exactly as described;
- make sure the pilot burner and the surrounding space remain free (see Appendix 3, fig. 11);
- make sure the slot between and around the burners remains free;
- make sure that the vermiculite's fine dust does not get on the burners.

5.8.1. Wood Set

The wood set consists of vermiculite (see Appendix 3, fig. 12), chips (see Appendix 3, fig. 13, glow material (see Appendix 3, fig. 19) and a number of logs.

➡ Fill the burners with vermiculite; spread the vermiculite evenly (see appendix 3, fig. 16). The vermiculite may not get higher than the edge of the burners.

- but the burner decks have to remain fully covered with vermiculite in order to prevent reduction of the burner's life span.

- You can influence the flame picture by moving the vermiculite,

➡ The woods are defined between A and D (see Appendix 3, fig. 15).

Tip: Use the burn stains on the logs for identification.

➡ Place the woods carefully. (see. Appendix 3, fig. 16/17/18/19);

➡ Fill the vermiculite tray with chips; spread the chips evenly (see Appendix 3, fig. 20).

Do not place chips over the slot, around the burner.

➡ If required, spread the glow material over the burner.

Tip: Fasten the glow material under the logs

The logs should not completely cover the burner pattern, because:

- the main burners will not ignite properly; which could result in unsafe situations;
- the appliance will become filthy more quickly, as a result of soot;
- the flame picture will be affected.

5.9. Mantelpiece

Proceed carefully and observe the instructions in order to prevent damage to the mantelpiece and/or other parts.

5.9.1. Placing The Mantelpiece

The mantelpiece consists of two parts, the mantelpiece (K) and the cover plate (J).
When mounting the mantelpiece, proceed as follows:

- Hold the mantelpiece (K) straight in front of the appliance (see Appendix 3, fig. 9).
- Now carefully slide the mantelpiece over the appliance.

Make sure you make no contact with the glass, in order to prevent scratches.

- Hook the mantelpiece behind the top edge of the wall plate (B).
- Now place the cover plate (J) on the mantelpiece (see Appendix 3, fig. 10).

5.9.2. Removing The Mantelpiece

Removing the mantelpiece will take place in reverse order of the placement described above.

- Proceed carefully and observe the instructions in order to prevent damage to the mantelpiece and/or other parts.
- Make sure you make no contact with the glass, in order to prevent scratches.

6. CONTROL

The appliance is supplied with a wireless remote control.
Controlling the flame height, igniting and switching off take place through a remote control controlling a receiver. In the User Manual describes the operation of the appliance and how you should use the remote control.

Do not ignite the appliance before the gas and discharge connections have been fully installed, first observe the procedure described in chapter 7.3.

6.1. Connecting The Receiver

The receiver should be connected to the appliance, before the batteries are installed.

- Connect the receiver according to Appendix 3, fig. 20.
- Bend the antenna (N) out of the clips and place it erect (Appendix 3, fig. 21).

Tip: The plugs have different sizes that correspond with the connectors.

- The size of the eye corresponds with the size of the screw;
- The colours of eye and screw correspond as well.
- Place the batteries as described below.
- Do not place the ignition cable over and/or along metal, stone or concrete parts: this will weaken the spark. Make sure the cable is hanging freely.
- Keep the ignition cable at least 10 cm away from the antenna, in order to avoid damaging the receiver.
- Avoid formation of dust on or in the receiver: cover it when performing work.
- Place the receiver in its intended holder under the appliance or in the control hatch according to Appendix 3 fig. 1.

6.1.1. Placing / Replacing The Receiver's Batteries

Follow the procedure below when placing the batteries:

- Pick up the receiver and slide off the cover.
- Place or remove the 4 penlite (AA type) batteries.
- Use alkaline batteries; rechargable batteries are not allowed.
- Batteries are regarded as "small chemical waste" and may therefore not be disposed with the household rubbish.
- Observe the "+" and "-" poles of the batteries and the receiver;
- Slide back the cover.

➡ Place back the receiver.

6.2. Setting The Communication Code

Prior to putting the application into operation, a communication code must be set between the remote control and the receiver. If the receiver or the remote control are replaced, a new code will have to be set. Follow the procedure described below:

➡ If necessary, place the batteries in the receiver's battery holder; see section 6.1.1.
➡ If necessary, place the 2 penlite (AAA type) in the remote controle; see User Manual.
➡ Hold down the reset button on the receiver, until you hear two consecutive sound signals (see Appendix 3, fig. 22).
➡ After the second, longer signal, let go of the reset button.
➡ Press the '(-) low' button on the remote control for 20 seconds, until you hear two short sound signals. This is the confirmation of a good communication.

7. FINAL INSPECTION

In order to check whether the appliance is working properly and safely, you must perform the following inspections before the appliance is used.

7.1. Gastightness

⚠ All connections must be gastight. Check the connections for gastightness.
The gas control can be subjected to a maximum pressure of 50 mbar.

7.2. Gas Pressure/Line-Pressure

The burner pressure is set at the factory; see data plate.
⚠ The line-pressure in house installations must be checked, because it can be wrong.
➡ Check the line-pressure; see Appendix 3, fig. 24 for the measuring nipple on the gas control.
➡ Contact the gas company if the line-pressure is not correct.

7.3. Ignition Pilot and Main Burner

For igniting the pilot and main burner, see the User Manual.

7.3.1. First Ignition Of The Appliance After Installation or Adjustments

⚠ After installation, or after work has been performed, you should ignite the appliance for the first time without the glass window. If necessary, bleed the gas pipe.
Follow the procedure described below:

➡ If required, remove the glass window.
➡ Start the ignition procedure according to chapter 4 in the User Manual.
➡ If the pilot flame does not ignite:
- repeat the ignition procedure until the pilot burner ignites;
- consult the malfunction search diagram (Appendix 1) if this does not happen after a few attempts.

➡ After igniting the pilot flame, the main burner will ignite during the ignition procedure.
➡ Check whether the main burner continues to burn.
➡ If the main burner does not continue to burn.
- repeat the ignition procedure until the main burner continues to burn
- consult the malfunction search diagram (Appendix 1) if this does not happen after a few attempts.

➡ Switch off the appliance.
➡ Clean the glass pane before using it for the first time, as described in the user manual.
➡ Then mount the glass pane as described from section 5.6.
➡ Repeat the ignition procedure a few times and perform the checks described in chapter 7.3.2.
➡ From now on, the pilot flame should ignite smoothly.
➡ Clean the glass pane after burning for the first time, as described in the user manual.

⚠ • !Caution • During the ignition process, you are not allowed to operate control button B on the gas control manually.

- • Always wait 5 minutes after the pilot flame has gone out, before you re-ignite the appliance.
- • You are not allowed to turn the pilot flame lower by using the settings on the gas control.

7.3.2. Main Burner

⚠ • The pilot burner should ignite the main burner within a couple of seconds, and without popping.

- The main burner(s) must cross the full burner smoothly and without popping and continue to burn.

➡ Check operation of the main burner from a cold condition (pilot flame off).

➡ After opening the gas valve, the main burner should burn within a few seconds.

Tip: When the gas valve is opened, the motor will start to run; this is audible.

The flame picture and a good flame transfer can only be properly judged if the glass window is installed.

Use the malfunction search diagram (Appendix 1) if the ignition of the main burner does not comply with the abovementioned requirements.

7.4. Flame Picture

The flame picture can only really be assessed when the appliance has been burning for several hours. Volatile components from paint, materials, etc., which evaporate in the first hours, will affect the flame picture.

ⓘ If the chimney breast has been made of stone-like materials or has a plaster finish, the appliance may only be put into operation 6 weeks after the chimney breast has been placed, in order to prevent shrinkage cracks.

➡ Check whether the flame picture is acceptable.

➡ Consult the malfunction search diagram (Appendix 1) if the flame picture is not acceptable.

8. MAINTENANCE

The appliance must be inspected once per year by a skilled installer in the field of gas-fired heating, and repaired if necessary.

Check at least whether the appliance is working properly and safely.

⚠ • Always close the gas tap during maintenance work;

- Check the gastightness after repair;
- After replacing thermocouple 1 you should first tighten the gland nut by hand and then give it another quarter turn with a suitable spanner;

⚠ • You are not allowed to turn the pilot flame lower by using the settings on the gas control.

- Absolutely do not clean the concentric system (internally) with a steel brush or metal sponge, for example. This will damage the oxide skin and could lead to leaks in the system as a result of pitting corrosion.

➡ If required, clean the following components:

• the pilot burner (malfunction search diagram, Appendix 1);

• the space surrounding the pilot burner;

• the glass pane(s).

⚠ Only clean a glass pane once it has reached room temperature.

ⓘ • Avoid damage to the glass pane(s).

- Avoid/remove fingerprints on the glass pane(s), as they will burn into the glass.
- Clean the glass pane(s) as described in the user manual.
- Regularly remove accumulated dirt, as it can burn into the glass.
- Do not use the appliance when a glass pane is broken and/or cracked, until it has been replaced as described from section 5.9.

⚠ If necessary, replace the wood or pebble set correctly; as described from section 5.9.

➡ Inspect the flue gas discharge system.

⚠ You must always perform a final inspection.

➡ Perform the inspection as described in chapter 7.

8.1. Parts

Parts requiring replacement can be obtained from your supplier.

9. DELIVERY

You must explain to the user how to operate the appliance. You must give him/her instructions on putting it in operation, the safety measures, the operation of the remote control and annual maintenance (see the User Manual).

⚠ • Tell the user to close the gas tap immediately and contact the installer in case of malfunctions/poor operation. This to prevent unsafe situations.

• Indicate the location of the gas tap.

• Point out the precautions in the user manual against unintended ignition by other wireless remote controls such as car keys and garage door openers.

➡ Instruct the user about the appliance and the remote control.

➡ When the appliance is started for the first time, point out that

• In order to avoid cracks in a chimney breast made of stone-like materials or finished with plaster, it should dry for at least 6 weeks prior to putting the appliance into operation.

• When the appliance is stoked up for the first time, volatile components evaporate from paint, materials, etc. (First read chapter 3 of the User Manual as well !).

• When evaporating, the appliance should preferably be set to the highest level.

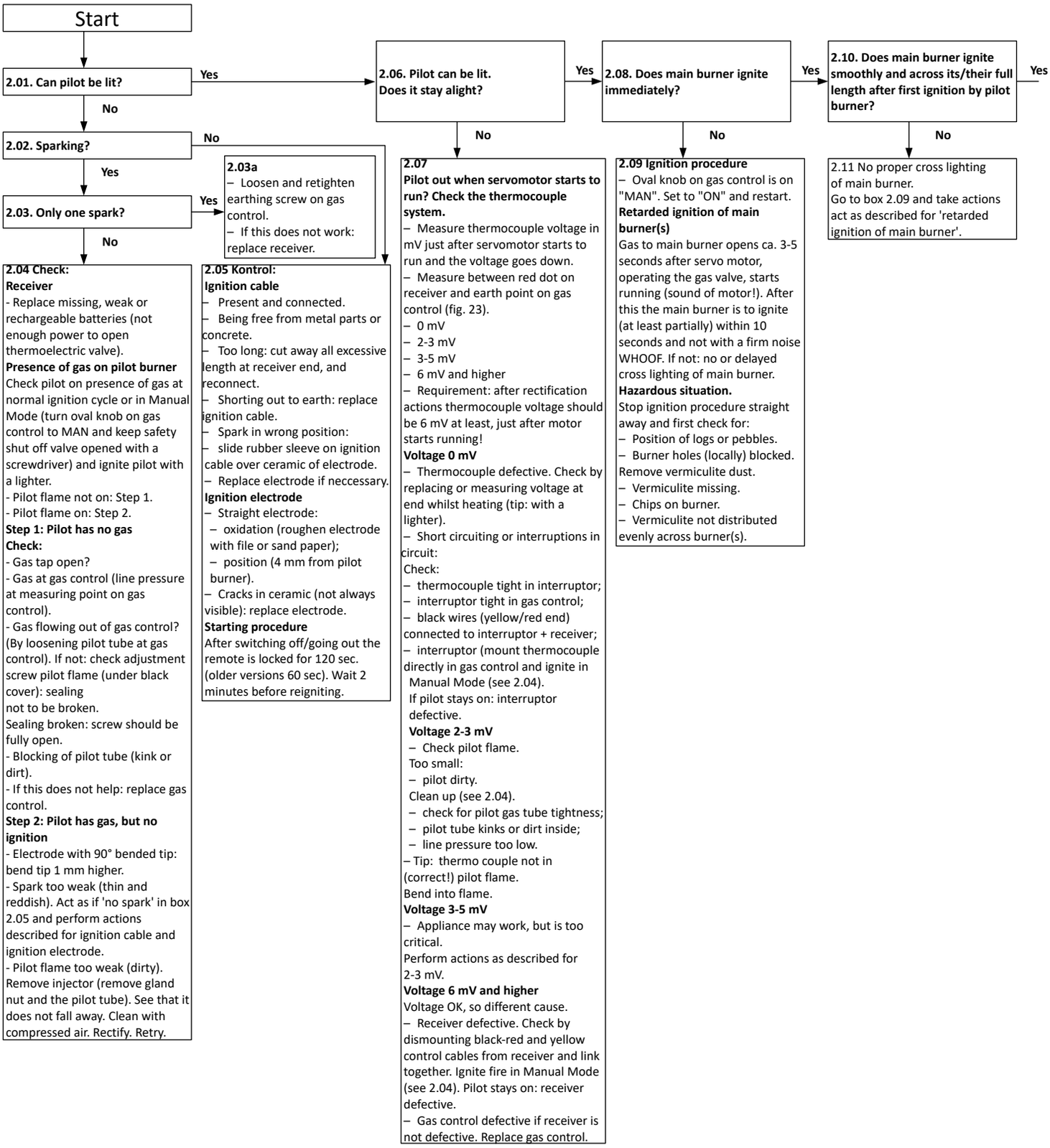
• The room should be well ventilated.

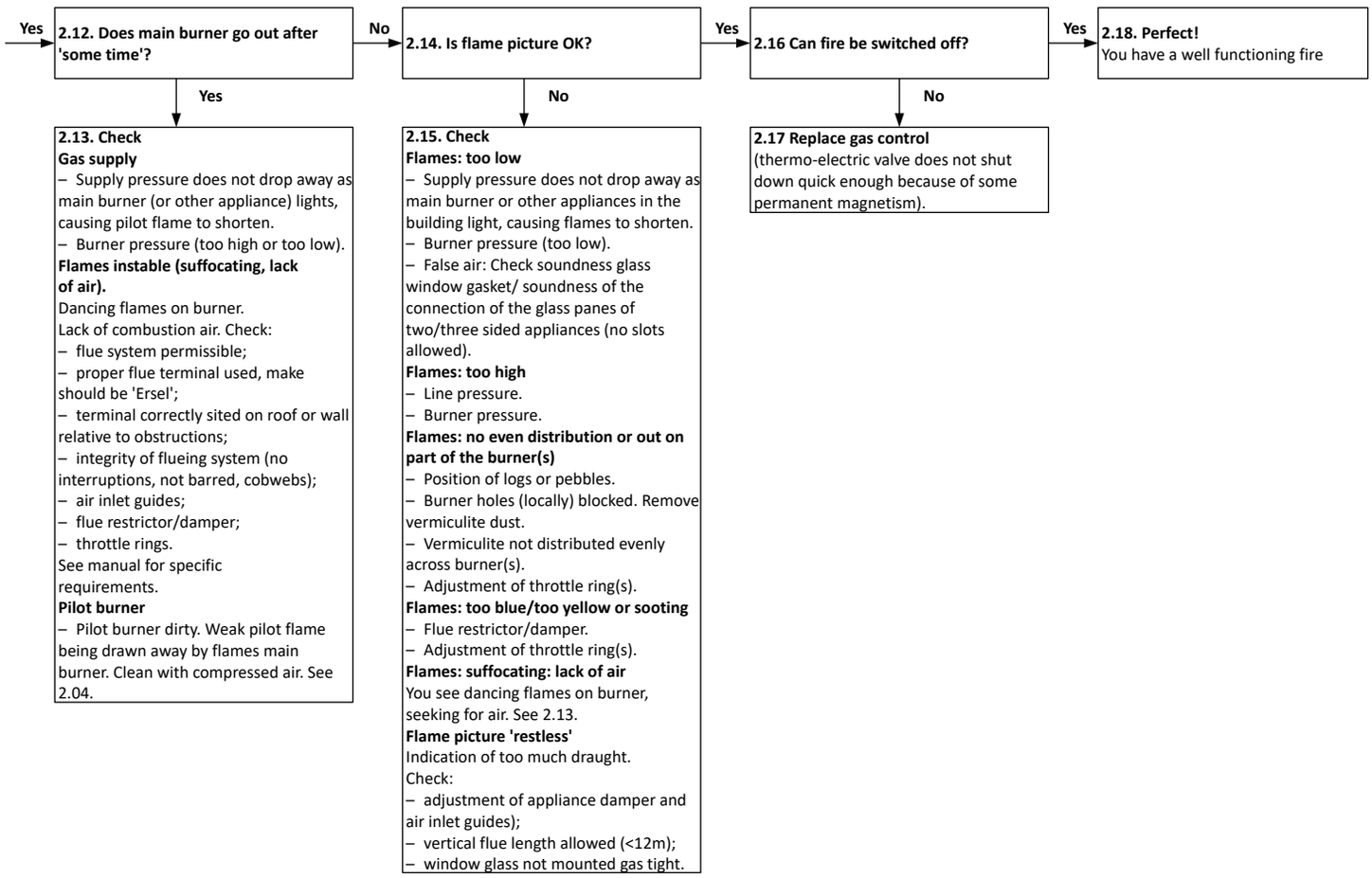
➡ Give the manuals to the user (all manuals should be stored near the appliance).

10. MALFUNCTIONS

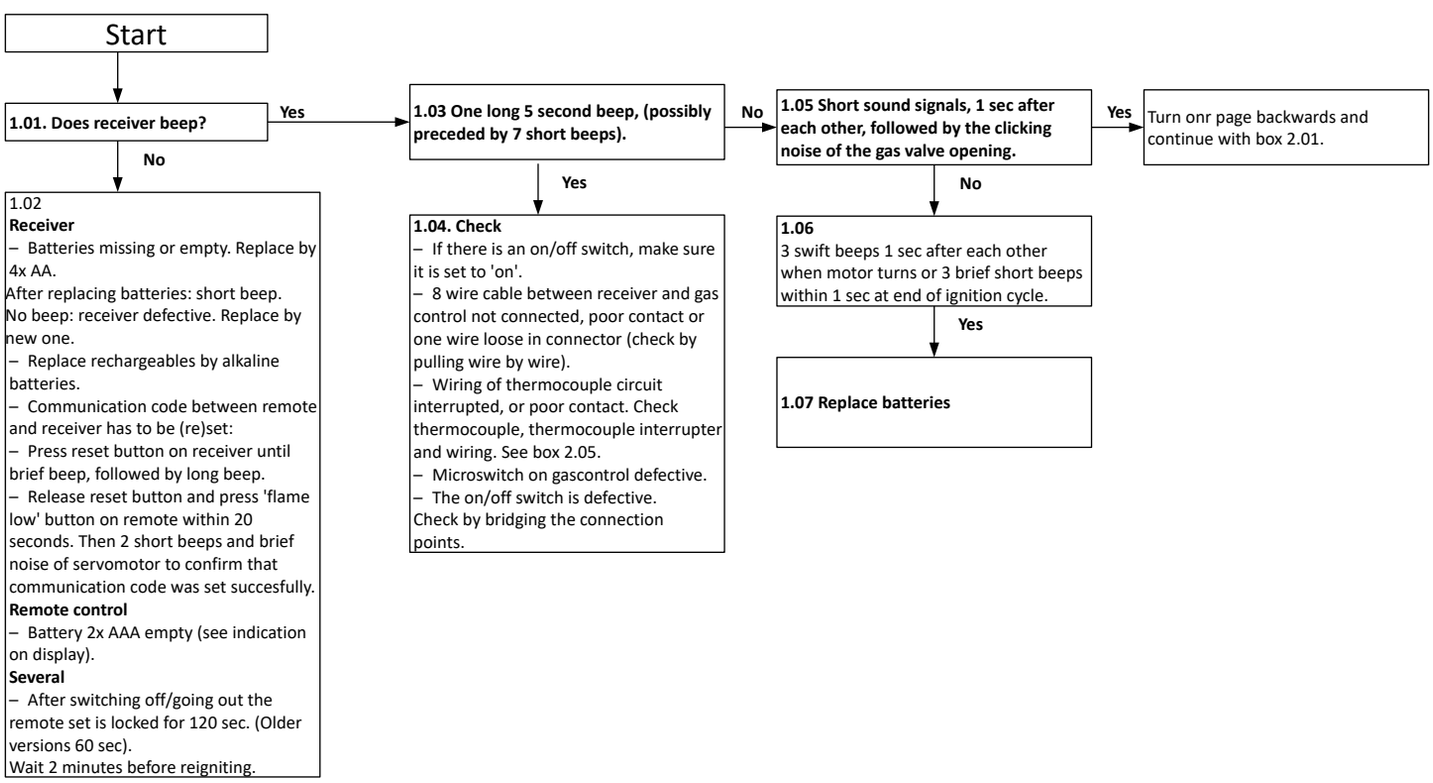
In Appendix 1 you will find an overview of malfunctions that might occur, the possible causes and the remedies.

APPENDIX 1. DIAGNOSIS OF MALFUNCTIONS





Malfunction search diagram atmospheric gas-fired heating appliance with electronic ignition: Starting up cycle.



APPENDIX 2. TABLES

Table 1. Parts Included With The Delivery	
Part	**Quantity**
Wood Set	1
Glow Material	1
Installation Manual	1
User Manual	1
Remote Control with Receiver	1
Penlite Battery (AA type)	4
Penlite Battery (AAA type)	2
Mantelpiece	1

Table 2. Technical Data						
Model Identifier(s)		ALCOR, ALCOR A				
Type of appliance		Suspended				
Combustion		Closed combustion				
Type		C11				
Category		I2H, I3B, I3B/P, I3P, II2H3B/P, II2H3+, I3+, I3B/P				
Flame protection version		Pilot flame with thermocouple				
Gas Type	**Symbol**	**G20 (20 mbar)**	**G30 (29 mbar)**	**G30 (50 mbar)**	**G31 (37 mbar)**	
Indirect heating functionality		No	No	No	No	
Direct heat output		5,0	5,0	5,0	5,0	kW
Indirect heat output		-	-	-	-	kW
Space heating emissions NOx		15	54	2	54	mg/kWh
Technical Data						
Nominal heat output	Q_{nom}	5,0	5,0	5,0	5,0	kW
Consumption		0,53	0,22	0,22	0,25	m^3/h
Burner pressure		20	29	50	37	mbar
Main burner injector		Ø1,80	Ø1,20	Ø1,15	Ø1,20	mm
Efficiency class (EN613)		1	1	1	1	

Table 3. Line-pressure when using G31	
Country	**mbar**
NL / DK / FI / NO / SE / HU / BA / GR	30
FR / BE / IT / PT / ES / GB / IE	37
D	50

Permissibility and conditions concentric system with wall terminal

Table 4. Conditions for setting the appliance				
G20/G30/G31				
Total number of meters vertical pipe length	Total number of meters horizontal pipe length	See Table	Restrictor slide	Distance of restriction in mm
1[1)] - 4	>0-1	5	Yes[2)]	60[2) - 3)]
1[1)] - 4	>2-5	5	No	Open

1) Minimum Length
2) Factory Setting
3) Position of Restrictor Slide

Table 5. Chimney Calculation Values	
Components	**Calculation Value**
First vertical meter	+9
Second vertical meter and other vertical meters	+1
1 meter horizontal pipe	-1
90º vertical bend (A)	-2
45º vertical bend	-1
90º horizontal bend (B)	-4
45º horizontal bend	-2

Example:

Components	Calculation Value
1 x First vertical meter	+9
1 x Second vertical meter and other vertical meters	+1
1 x Horizontal pipe (Y1)	-1
2 x 0,5 m x Horizontal pipe (Y2+Y3)	-1
3 x 90º horizontal bend	-6
1 x 90 horizontal bend	-4

Result:9 + 1 - 2 - 4 - 4 = 0. (This chimney calculation is not acceptable, it must be at least 0.5)

⚠ **The sum of all calculation values must be higher than 0.5. At a value lower than 0.5, the gas fire will not function according to standard EN613. Deviating configurations can be presented to Kalfire for written approval.**

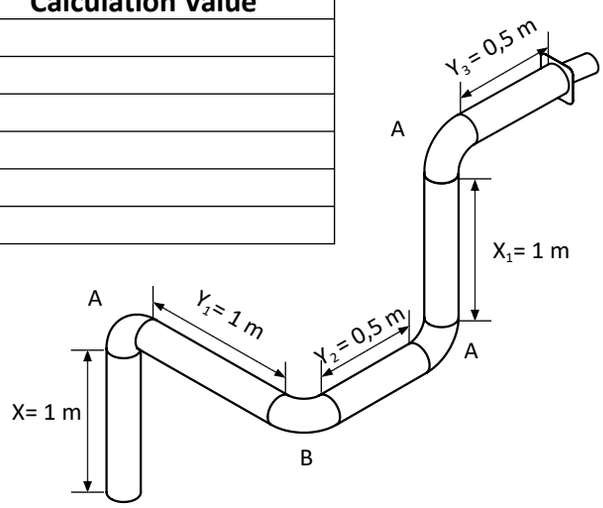


Table 6. Determining permissibility concentric systemwith roof terminal													
G20/G30/ G31	Total number of meters horizontal pipe length	Toplam dikey veya eğimli boru uzunluğu (metre)Total number of meters vertical and/or sloping pipe length											
		1[1]	2	3	4	5	6	7	8	9	10	11	12
No Bends	0	B	B	B	C	C	C	C	C	D	D	D	D
2 Bends	0	A	A	B	B	B	C	C	C	C	C	D	D
	1	A	A	A	B	B	B	C	C	C	C	C	X
	2	A	A	A	A	B	B	B	C	C	C	X	X
	3	A	A	A	A	A	B	B	B	C	X	X	X
	4	A	A	A	A	A	A	B	B	X	X	X	X
	5	A	A	A	A	A	A	A	X	X	X	X	X
3 Bends	0	A	A	A	B	B	B	C	C	C	C	C	D
	1	A	A	A	A	B	B	B	C	C	C	C	X
	2	A	A	A	A	A	B	B	B	C	C	X	X
	3	A	A	A	A	A	A	B	B	B	X	X	X
	4	A	A	A	A	A	A	A	B	X	X	X	X
	5	X	A	A	A	A	A	A	X	X	X	X	X
4 Bends	0	A	A	A	A	B	B	B	C	C	C	C	C
	1	A	A	A	A	A	B	B	B	C	C	C	X
	2	A	A	A	A	A	A	B	B	B	C	X	X
	3	A	A	A	A	A	A	A	B	B	X	X	X
	4	X	A	A	A	A	A	A	A	X	X	X	X
	5	X	X	A	A	A	A	A	X	X	X	X	X
5 Bends	-	X	X	X	X	X	X	X	X	X	X	X	X

X : Situation is not permissible

Table 7.Conditions for the adjustment of the appliance with a roof terminal		
G20/G30/G31		
Situation	**Restrictor slide**	**Distance restrictor in mm**
A	Hayır	Açık
B	Evet	35
C	Evet	25
D	Evet	23

ⓘ Always place at least 1 metre vertical directly on the appliance.

APPENDIX 3. FIGURES

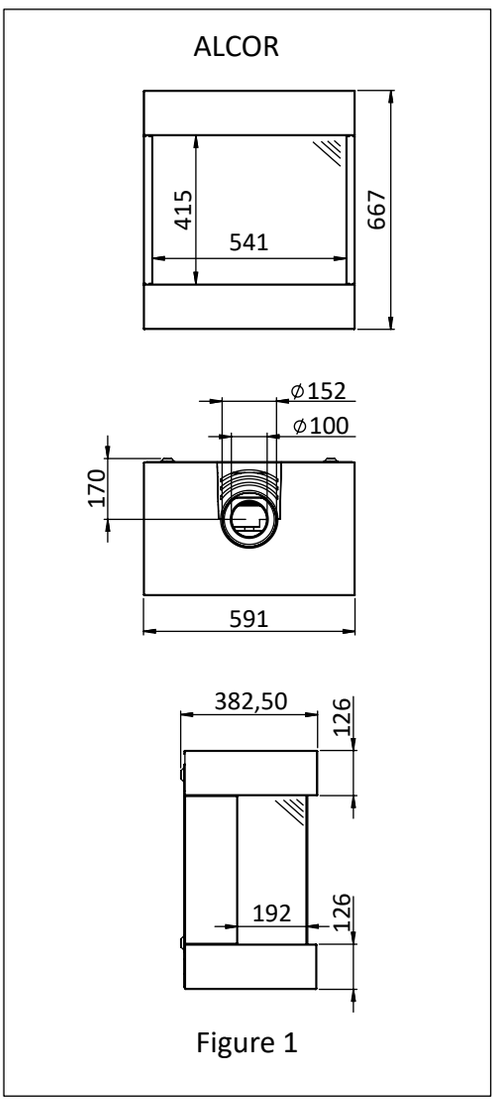


Figure 1

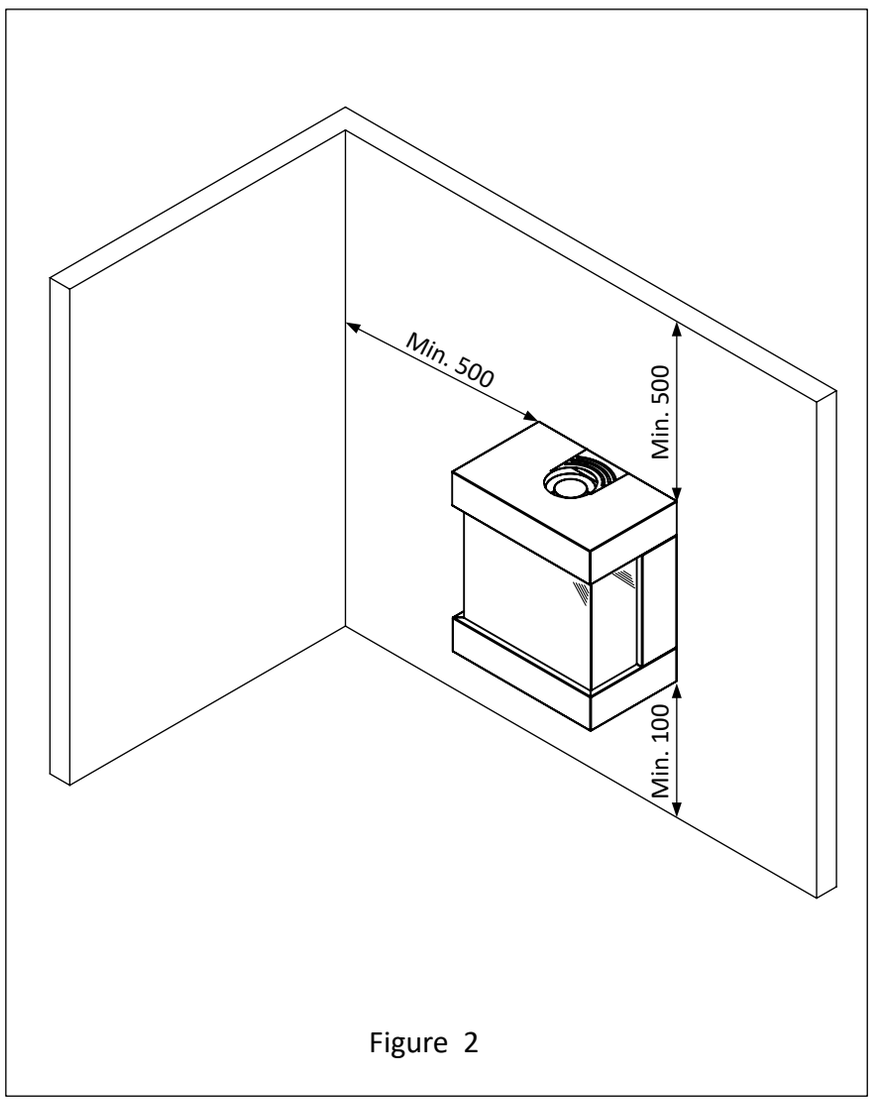


Figure 2

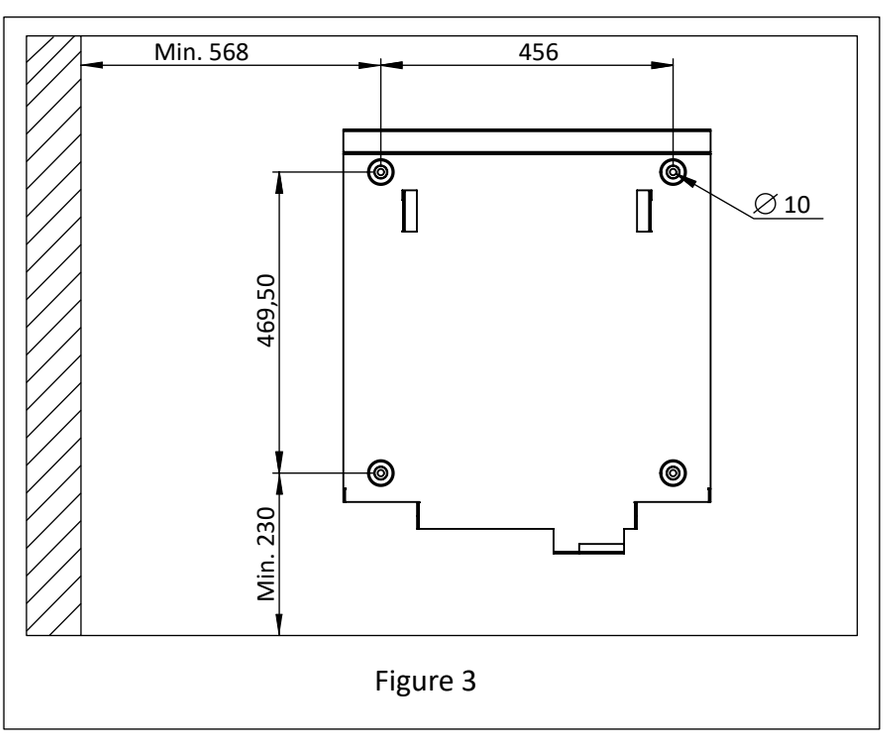


Figure 3

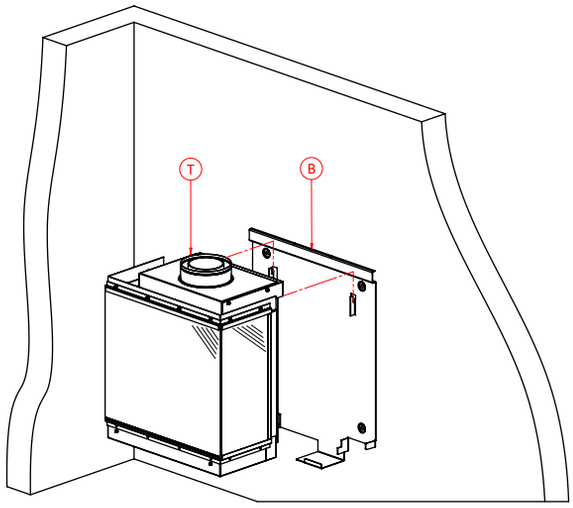


Figure 4

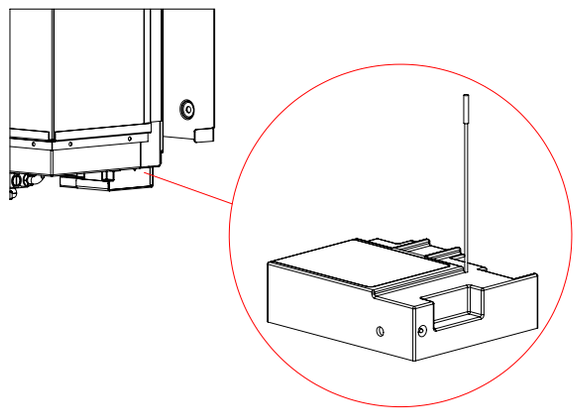
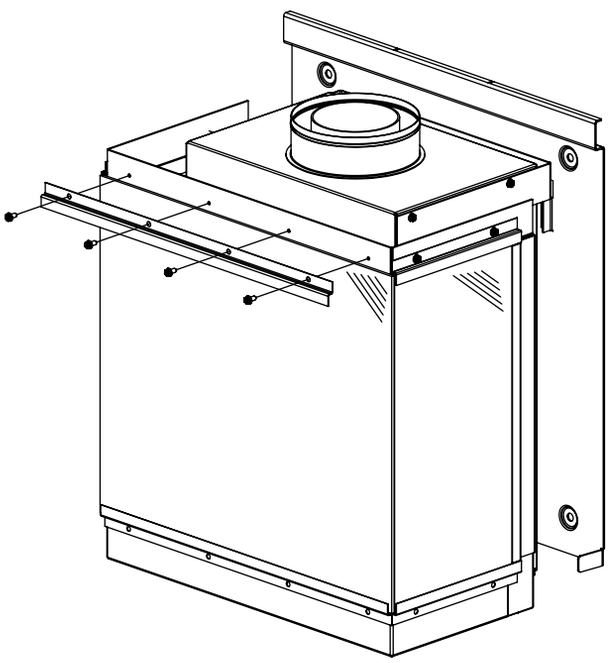


Figure 5



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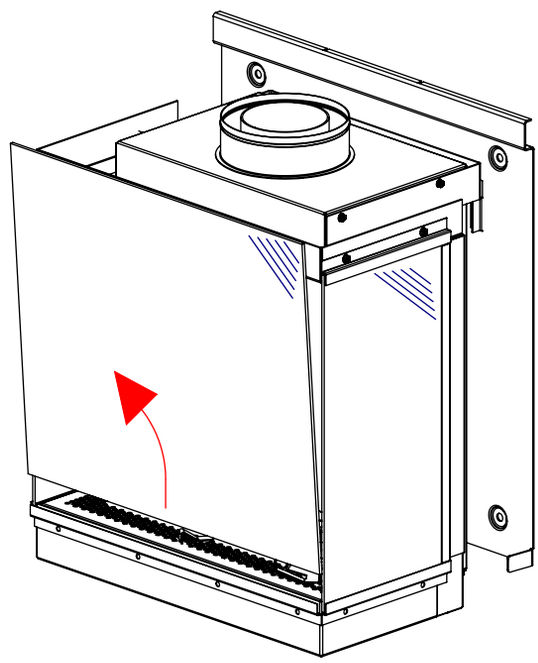

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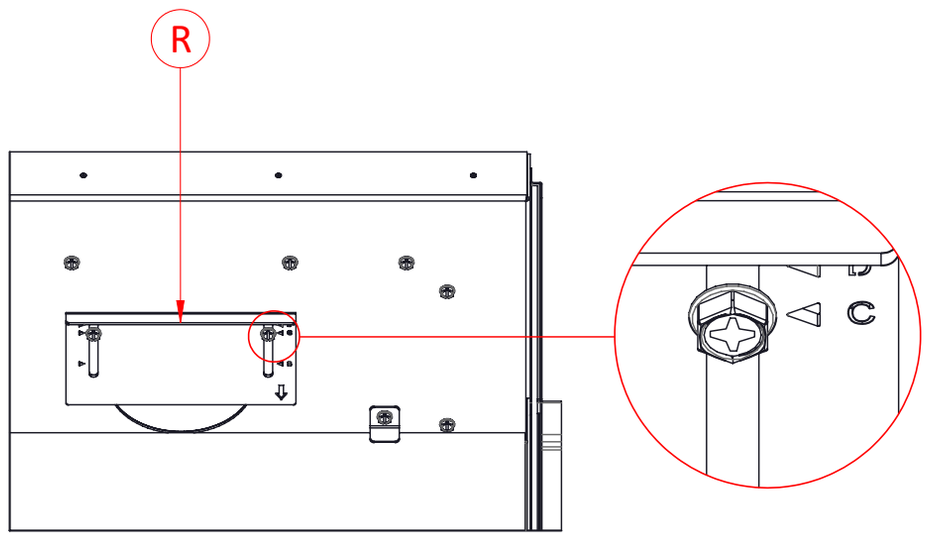

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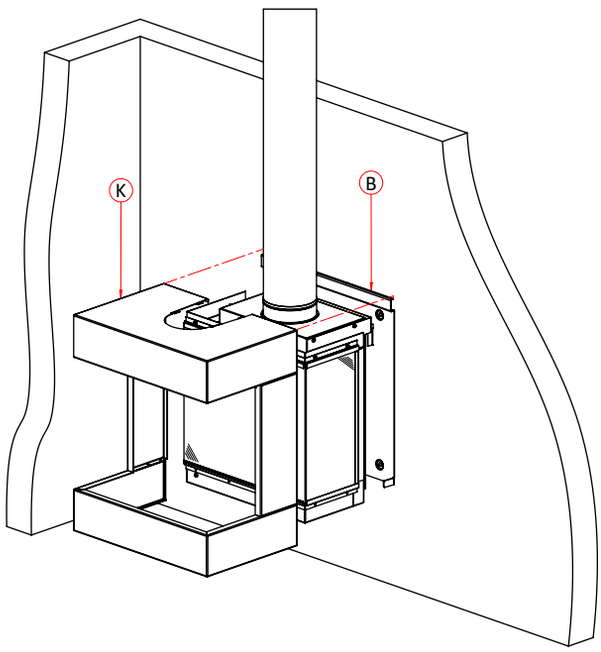

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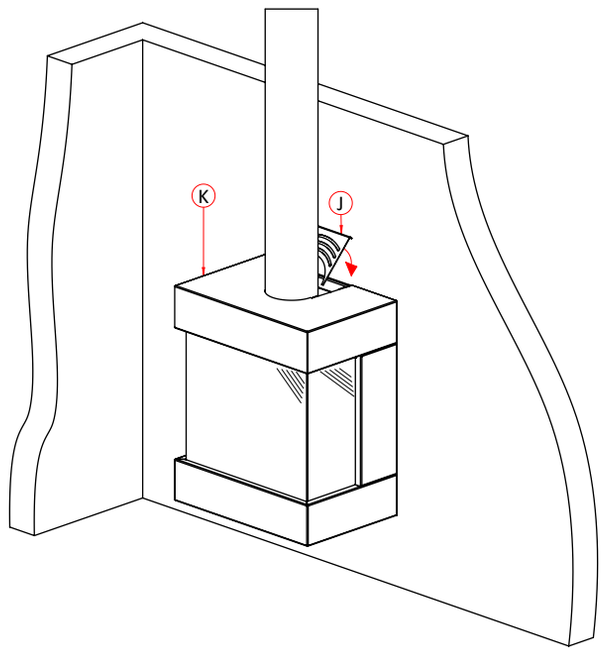
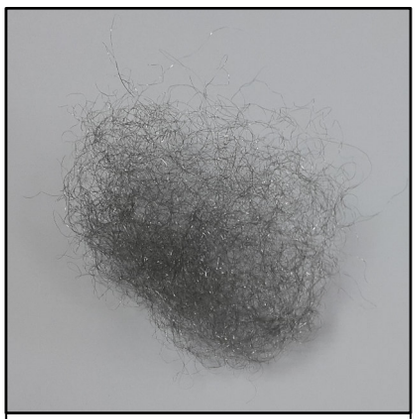


Figure 10

Figure 11

Figure 12

Figure 13



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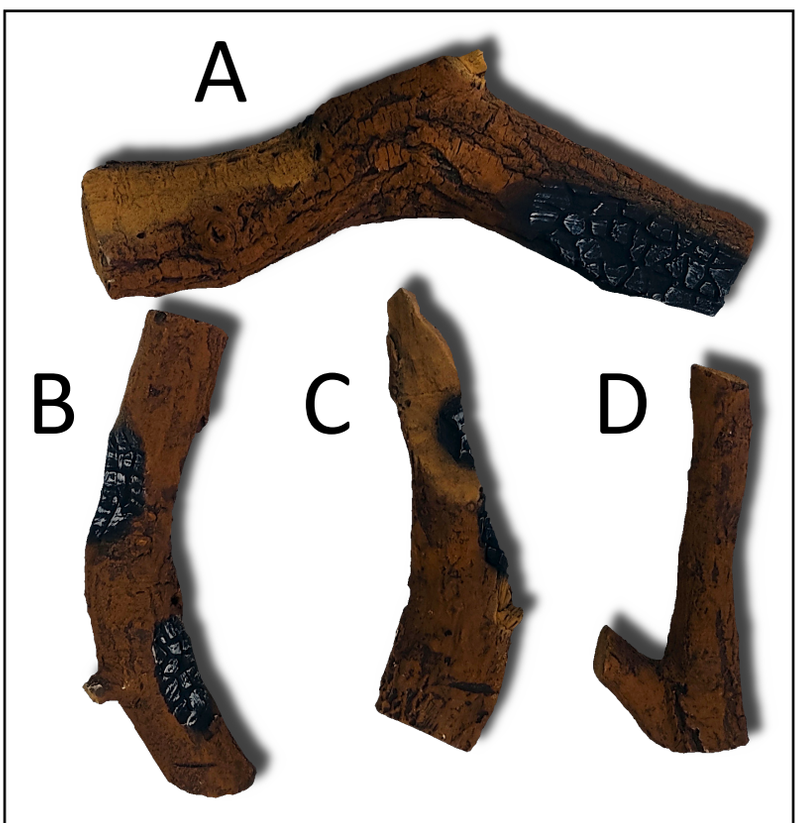


Figure 15

Figure 16

Figure 17

Figure 18

Figure 19

Figure 20

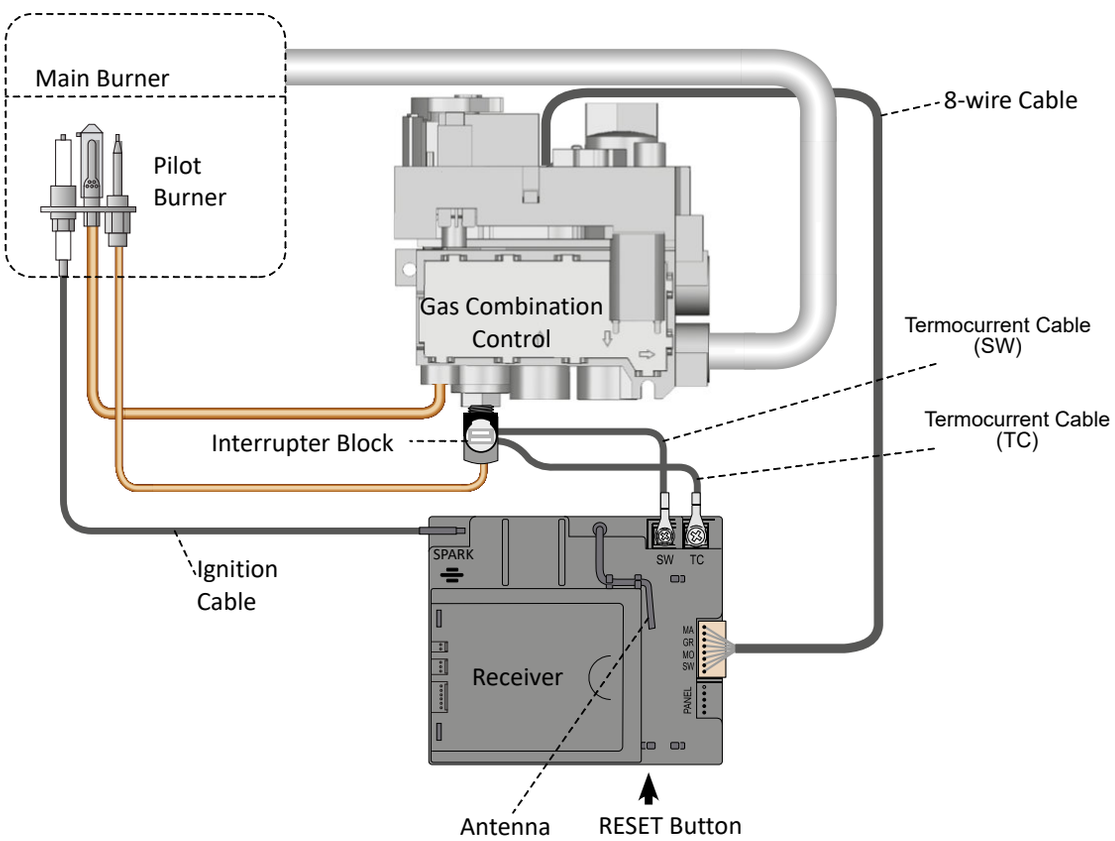


Figure 20

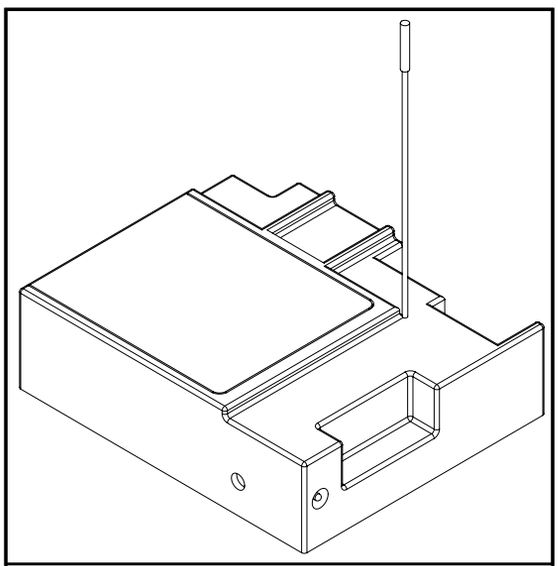
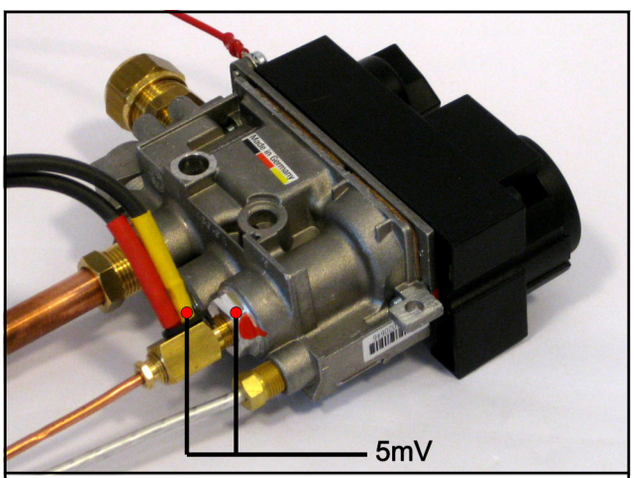


Figure 21

Figure 22



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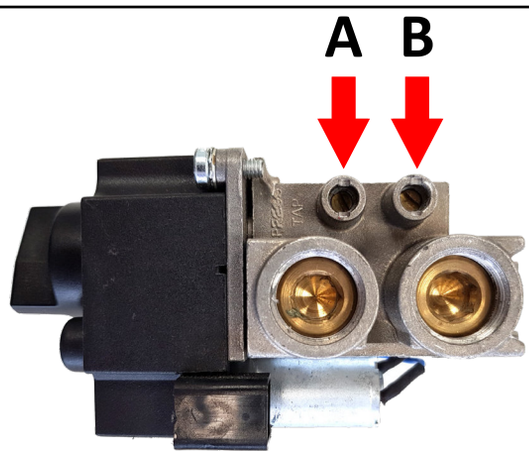

Figure 24

ERSEL ISITMA ENERJİ SİSTEMLERİ VE EKİPMANLARI EV VE BÜRO GEREÇLERİ SANAYİ VE TİCARET LİMİTED ŞİRKETİ
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