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Product Categories Your Account Log Register / Instructions for Installing App Information Installation Instructions, Operating Instructions Installation Listed below are all guides for Glowworm. Just click on the model or gas board number and the manual will be downloaded at the bottom of the page. Once you've downloaded a manual double click on the download for the guide to open if you want to save the download with the right mouse button. If you require a user to manually click through the link above and then continue the same. This website or its third-party tools use the cookies that are necessary for its operation and are necessary to achieve the goals illustrated in the cookie policy. If you want to know more or withdraw your consent to all or some cookies, please refer to the cookie policy. By closing this banner, scrolling through the page, clicking on the link, or continuing to view otherwise, you agree to use cookies. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 17 18 19 20 21 22 23 24 25 27 28 29 30 31 32 32 32 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 The Guide to Shooting out of trouble is associated below, with the easy download of PDF Troubleshooting Manual Worm Glow. This guide provides a step-by-step process for detecting faults in glow worm combi, as well as information about replacing parts and troubleshooting major problems. Attention! It is important that warnings follow specific specific options and that only glowing worm allowed spare parts will be used for any replacement jobs. It is equally important to ensure that any changes or changes made by a competent person who is either a lightworm specialist or someone equally well certified (Gas Safe) for safety reasons. This download includes diagrams and images that help you represent the inner layout of each component in the glowing worm's products. There is also a list of electrical problems and the appropriate electrical parts needed for replacement, making it easy to order exactly what you need. Annual maintenance All boilers require some maintenance at one time or another. This maintenance can range from a simple maintenance task to a malfunctioning electrical problem, or even a simple replacement of existing parts as soon as they age. This troubleshooting guide provides instructions on how to handle all three. Boiler maintenance is easy to do at home after these simple steps. Every Glow Worm Combi boiler has an on-board fault diagnostic system with an LCD display. Whenever a malfunction occurs on the boiler, the warning LED lamp/sign at the top of the user's display will illuminate and the LCD display will indicate the exact area where the fault occurred. The error message will appear. Table 1. Standard error codes applicable to Glow-warm Combi ERROR CODE ERROR DESCRIPTION 02 FF AIR FLOW SAFETY 04 FF NO IGNITION, MAX. IGNITION TIME 7 SECONDS 05 FF OVERHEATING LOOP 06 FF HEATING TERMIST ON TUBE FLOW 07 FF INTERNAL TERMIST ON THE TUBE DHW 08 FF TEMPERATURE ON THE SHIP STORAGE 09 FF LOSS WATER PRESSURE SENSOR 12 FF USER INTERFACE 13 FF MAIN CONTROL BOARD PCB 14 FF TEMPERATURE LIMITER IS CONTROLLED BY HEATING THE TERMISTOR ON THE FLOW PIPE 15 FF STEP ENGINE FAILURE 16 FF GAS LEAKAGE SAFETY THROUGH THE SAFETY ELECTRIC VALVES 17 FF NETWORK VOLTAGE TOO LOW 20 FF COMMUNICATION MALFUNCTION 21 FF LACK OF WATER IN THE PRIMARY CIRCUIT TABLE 2. Code-related errors applicable to all combi FAULT ACTION NO HEATING NO HEATING IS DEMAND BY THE ROOM TEMPERATURE THERMOSTAT. CHECK ALL CONNECTIONS. IF THE MALFUNCTION PERSISTS, REPLACE THE MAIN CONTROL BOARD (PCB). THERE'S NO HEATING. THERE IS NO DISPLAY OF THE RADIATOR SYMBOL. CHECK THAT CONTACT 1 IS ON 1. OR 10 ohms BETWEEN B5.1 AND B5.2. CHECK ROOM THERMOSTAT CONNECTIONS OR MEASURE A RESISTANCE AND 50 OMS BETWEEN B3.1 AND B3.2. THE WATER IS NOT HOT ENOUGH, OR UNEVEN FLOW FROM THE TAP. THERE IS A DEMAND FOR HOT WATER. CHECK THE THREE-VALVE. CHECK THE THREE-PART VALVE ENGINE CHECK THE DIRECTION OF THE CLIP ON THE THREE WAYS OF THE WATER VALVE IS NOT HOT ENOUGH OR UNEVEN FLOW FROM THE TAP. CODE 07 OF THE INFORMATION MENU DOES NOT SHOW THE CRANE SYMBOL DISPLAYED BY THE FLOW RATE DETECTOR. HE WILL READ HOT WATER (L/MIN.) (x10) REAL ...199 Note: PART OF THE 10. IF THE DETECTOR IS BLOCKED OR THE MAIN CONTROL BOARD (PCB) FAILED. THE BURNER COMES WHEN COLD WATER IS PULLED BACK TO CHECK THAT THE HOT WATER CIRCUIT HAS BEEN BLEEDING PROPERLY (ANY AIR BUFFER CAN ACTIVATE THE FLOW RATE DETECTOR WHEN THE TAPS ARE TURNED ON). Finding a specific problem you are trying to fix the problem and follow the steps below: The combustion chamber and heat exchanger If you run into problems with the combustion chamber and heat exchange there are just serving steps that can be applied to fix the problem without calling in a professional. The first step is to remove any loose debris from the combustion chamber. This can be done with a soft brush and either side or other vacuum cleaner. Once this is done, thoroughly rinse the remaining debris away with a sprayer or other type of water spraying device. You want to make sure that the water is stored away from any electrical components, but that it removes the remaining debris trapped in the condensate. If you need to make additional adjustments, continue as needed. It is rare that carbon dioxide levels should be lowered, but if so, fine-tune. Turn the service potentiometer all clockwise and check the maximum combustion speed. This rate should show 9.1% and 0.2 -0.5. Once you've checked this out, replace the lid and refit the control cover back to the back panel. Then turn the anti-clockwise service potentiometer again. Keep it in that position for 5 seconds and then rotate it clockwise, or in the middle of the point position. At this point the fan should be reduced and flash 12 on the screen. Check the CO, which should read 9.1% and 0.2 - 0.5. The front panel of the inner case should be a small increase for combustion. Natural gas should read 9.3% and 0.3 - 0.5 Propane gas should read 10.7% and 0.3 - 0.8 condensate drain When serving the boiler, it is not often that the condensate drain needs to be removed. Instead, you can simply rinse the condensed condensate by pouring water into the heat meter and look to ensure the water flows freely from the drain. If you see that the condensation runoff is blocked, you can remove it (instructions for which are included later). The combustion test to complete the combustion test requires the removal of all parts of the boiler, except for the front and inner panels of the case. The CO combustion analyzer should then be connected to the test point. You can find a test point on the fluebox. From there, turn on the gas service crane. Once the power is off and your appliance is cold, you should unclip control the fascia and loop down the controls to find the potentiometers. They are at the back of the user interface. Be careful not to let the fascia fall or it may damage the wiring. Enable Make sure the external management calls for warmth. At this point the cauldron should start shooting Let your boiler shoot for at least 60 seconds, after which you have to take an electric screwdriver and rotate the potentiometer service completely clockwise. This will allow your digital display to show the flashing speed of the fan on the fascia. Once it is in full clockwise, your display should indicate the maximum speed of the fan. The maximum depends on the type of boiler (27❏1 for 12hxi, 32❏1 for 15hxi, 41❏1 for 18hxi, 47❏1 for 24hxi and 57❏1 for 30hxi and 38hxi). Once this is done, check the CO value, which should read 9.1% 0.2 -0.5. It is important to note that the inner shell of the panel that is set on the combustion readings may increase slightly. If you need to make adjustments, do so. Any adjustments to the gas valve must be completed by someone who is a competent professional. Adjust maximum CO, ensuring that the throttle is 9.1%. To do this, turn it counterclockwise. The inner casing of the seal panel Check In order to serve the inner panel of the case you should check the state of the seal and replace it as needed. To replace it, remove the old seal and thoroughly clean the service case. Once this is done, place a new seal in the area and make sure it is the right link for the boiler type. If it's not the right length it won't match. If you are experiencing problems with faults and need a conduced malfunction detection, there are simply serving steps that can be applied to fix the problem without calling in a professional. Please note that before operating the boiler make sure that you have opened the gas supply and that it is cleaned of the air. Warning! Always insulate the boiler from the electricity supply to any electrical works. Once you have completed your work be sure to check on the gas sound engineer. Electric test If you have any doubts about feeding voltage to any component on the boiler you can conduct a simple electric test. Important. After completing the required fault tasks, you need to make sure that any task that requires breaking and creating electrical connections with Earth's continuity, polarity, short circuit, and land resistance verification is repeated with a multi-meter instrument. In order to complete this electric test you have to hinge down the control box and remove the screws to unhook the back panel. Once this is done, you should turn to the bug to find the chart below. Replacement parts Important Notes When you replace the part on this device, you should only use spare parts that you know meet the security and performance specifications required by the company. Using recovered parts or parts which are not sanctioned by the company, can lead to malfunctions and further damage. Replacing different parts must be carried out by a competent person, if not a professional. Before replacing any parts on the boiler, you isolate the boiler from the power grid and you have to turn off the gas in the rooster service located on the boiler. If otherwise stated, you must replace the parts in reverse order of removal. It is important that this is carried out strategically. Once you have replaced any part you should always check the gas for sound work and conduct any functional test to control as needed. To replace the parts on the case panel, the inside of the case, and the front panel of the chassis must be removed in accordance with the instructions contained in this troubleshooting manual. It is important to remove two screws located on the underside of the front shell and then remove the two screws on the front of the inner front panel before lifting the panel off the boiler. Once all four screws from the front of the chassis are removed you can pull it to the top of any remaining slots. Please note that when replacing the front of the chassis, you should make sure that the bottom fits behind the open lip. Side panels can be hinged sideways to help you replace any part. Make sure to remove the three screws that provide each sidebar to the boiler, two of which are located in front and one of which is located at the top. Spark electrode replacement to replace the electrode sparks you should start by removing the lead ignition candle, ground lead, and two securing screws. Once this is done, the electrode of the spark should be ed those from the combustion chamber. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Replace the ignition unit To replace the ignition block, first removing two protective screws and replacing it as needed. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Replacing lead ignition To replace lead ignition you have to pull the ignition candle style connector from the shovel connector and the electrode spark. Both are connected to the ignition unit. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Replace the gas valve To replace the gas valve start by removing the electric fork from the gas valve according to the diagram. Then carefully remove the fan, gas valve and Assembly. Before removing the gas valve, pay attention to its current position on the fan. It then removes three protective screws that hold the gas valve in place. You will find that these screws provide a gas valve and plastics for the plate for the fan. Once this is done remove the gas valve. Then remove the gas supply pipe from the gas valve. When refitting a gas valve make sure you exercise caution, as it can be installed more than one way. Once you have collected the spare parts be sure to check the gas for sonority. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Replacing the fan To replace the fan start by removing the electric fork. Gently remove the fan, gas valve and burner assembly. Once this is done remove the gas valve as described above and any relevant parts attached to it.

After that you have to unscrew three screws holding the venturi fan plate. Remove the two screws that hold the fan on the gas variety next. Check if the pad is in working order and replace it if necessary. Please note that the 30 HXI as well as the 38 HXI fan is provided by extending the piece, which should provide the screws. If you are working on any of these models you need to check and see if seals or pads need replacing as well. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Replacing the burner To replace the burner carefully remove the fan, gas valve and assembly burner. Remove the four screws that hold the burner in place and complete the replacement installation as needed. Please note that the burner needs a new pad if it is converted. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Front insulation replacement To replace front insulation start with careful removal of the fan, gas valve and burner assembly. Remove the burner, as mentioned above, and then remove the spark of the electrode as mentioned above. Much the same as a burner, you will need a new pad when converting the front insulation. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all the components in reverse order of their removal. If necessary, conduct any functional or operational tests. Rear insulation replacement To replace the rear insulation carefully remove the fan, valve and burner assembly. Remove the protective screw as well as the washer located in the center of the insulation. Remove Delete and replace as needed. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. View the replacement window To replace the viewing window remove the circling, followed by a steel washer, and glass. Then remove the fiber washer and replace the viewing window in reverse order. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Replace the heater To replace the heater start with the careful removal of the fan, gas valve and burner assembly. Drain the boiler then and remove the clamp, which provides a clean condensed heat-ed pipe. Then pull and remove the clean condensed pipe from the bottom of the heat. There will be two nuts on the stream and reverse pipes from the heat-washer, both of which must be removed, after which the pipes can be moved from the heat heater. Once this is done, you should unscrew the three screws that provide the heat outside, as well as the clamps located both at the bottom and on top. This will allow you to remove the heat heater itself. Please be careful at this, as there is water in the heater. Finally, remove the clear connector of the condensed pipe from the bottom of the exchange. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Flue Hood Replacement To replace this you have to remove the heat heater as mentioned above. Once this is done in accordance with the rules mentioned above, remove the two protective screws and pull the hood down and away from the hood bracket and elbow. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Heating Return Termistor Replacement To replace heat bring back the termistor to start by removing electrical compounds from the thermostat. Then remove the saving clip from the flow pipe. Remove the termistor from the retaining clamp. Much the same as the ermistor heating flow, the polarity of the wiring does not matter in the process. For more information, you can look at the chart opposite the instructions. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all the components in the opposite remove them and conduct any functional or operational tests as needed. Overheating replacement thermostat If you need to replace the overheating thermostat, start by removing electrical compounds from the overheating thermostat. Once this is done, move the saving clip connecting to the flow pipe. Finally, remove the overheating stats from the saving clip. Please note that when installing a new thermostat, you need to make sure that it is properly positioned on a flat area of the pipe and that the retaining clip remains safe. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Replacement Condensate Drainage If you replace condensation runoff, start by removing clips that are a safety flexible tube for the siphon adapter. This is done by twisting the clips all so slightly in order to disable the clip jobs from each other. Once this is done remove the black flexible tube from your siphon adapter. Link the siphon adapter. Connecting the drain downstream should be with the drowning trap. Gently remove the two condensed traps that provide screws. You then have to remove the condensed trap by raising your word and taking care not to spill any of the water. At the end of the device there may be water that needs to be carefully removed to prevent safety problems. When lifting the device, start removing the flexible pipe located at the exit. Once this is done remove located at the base of the condensation trap. If there is any solid material located in or trapped, clean it up. Then remove the float so you can clean it in the same way. You should be able to rinse the water through the condensate trap in order to remove all remaining solids. Once this is done look for any debris in the socket pipe, connected to the condensate drain. If you find any remove it and clean the socket pipe as needed. Once it is done to collect and refit the condensed trap. When you refit this, make sure you reach the waterproof seal, but don't apply excessive force. Finally, remove the siphon adapter from the flexible pipes and with a suitable container the heater should be rinsed as long as the water rinse becomes clear. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Inner shell seal replacement panel access to switches, user interface and 230v control interface Start by releasing the front end Fascia. Do this by carefully prising up to two retaining latch. Make sure the front is up front The fascia does not swing down. It is loosely carried on the spot of electrical connections with your network to reset the switch and user interface. If you allow the front to swing down, it can damage these areas. Either remove the joints or make sure to support the fascia during this process. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Replace the Mains Reset switch to replace the salmon reset switch by removing the switch that retains the screw. Once this is done remove the switch from the shelter. Finally, remove any electrical wires and replace the part as needed. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Mains Reset Knob Replacement To replace the seeds reset handle start by removing the drive. You can do this by springing back while retaining the clips. Once this is done in the spring the pen is retaining the clips and press the handle from the back according to the diagram on the photo opposite these instructions. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Replace the user interface To replace the user interface, start by removing the electric fork. Once this is done remove the three screws that provide the user interface on the board. Please note that when replacing the user interface board, you should refer to the instructions provided with replacing the user interface board. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Basic PCB replacement To replace the main PCB you should start by hinging down the control box. Remove the screws by holding it in place and unhook the back panel. Once this is done remove the electrical connections that connect to the PCB. Hold two PCBs while keeping clips so you can easily take down the PCB. Once this is done make your replacement. When you're refitting the back panel, make sure the leads aren't trapped. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or Tests. Replacing the control box when you replace control Start by removing any relevant plugs and connectors according to the wiring chart. Once this is done remove the grommets and leads and make sure they don't hang freely. Then, unthread your retaining belt. Then remove the control box, slowly dry it outward from the retaining slots. Make your replacement as needed. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Fuse - Basic PCB - Replacing the control box To replace the fuse follow steps to replace the main PCB and control box. Note that the fuse is located at the bottom right of the PCB. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Replacing the 230V Controls interface to replace the control interface, start by disabling the electrical connection from the control board. Also disable the electrical connection from the PCB. Once this is done remove the 230 V controls the interface while retaining the screw. Once this is done, you can remove the control board and make your replacement as needed. When installing a replacement part, make sure it's an approved replacement for the Glow Worm part. Once installed, replace all components in reverse removal order and, if necessary, conduct any functional or operational tests. Necessary.

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