

MidgeaterPlus™ Product Manual



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1. Introduction

Dear customer,

You have purchased a new MidgeaterPlus™ insect catching device.

We want to thank you for the trust that you have put in our quality products and hope that you gain much benefit from its operation. The materials and workmanship have been used to ensure that no functional defects occur provided the MidgeaterPlus™ is used for its designed purpose only.

Before putting the MidgeaterPlus™ into use for the first time, please familiarise yourself with the contents of this instruction booklet.

Due to ongoing improvements of the product the information contained in this booklet is subject to alterations without the manufacturer being obliged to notify or update under the provision that the essential properties for safety and operation do not change. In cases of doubt please do not hesitate to contact your retailer.

Please visit the Texol website for the latest information on our products.

www.texol.co.uk

2. Safety Precautions

- The MidgeaterPlus™ is designed for outdoor use only.
- The MidgeaterPlus™ should only be used for insect capture.
- Carefully supervise children and animals when the MidgeaterPlus™ is in use.
- Please remember there are no “safe slopes”. Position the MidgeaterPlus™ on level ground.
- In an emergency or if there is a smell of gas present always turn off the gas supply at the regulator. Do not use until the source of gas escape has been repaired by a competent person.
- Attention should be made to ensure the gas hose is not bent or buckled. The hose should be checked every time the cylinder is changed for cracking and damage. If hose needs changing use an approved hose BS3212 Type 2.
- Repairs and maintenance on the gas components should only be carried out by a qualified specialist.
- Use only the specified gas type.
- For cylinder gas delivery call Calor Gas Direct on 0800 662 663

We would point out that we are not liable according to the product liability act for damage caused by our machine as a result of: -

- a) improper repairs not carried out by authorised service engineers.
- b) or if ORIGINAL SPARE PARTS are not used as replacement parts.
- c) this product has been safety tested as is, any alterations to the MidgeaterPlus™ will nullify your warranty.

Precautions for Handling Bait Sachet

The bait is harmful if swallowed, absorbed through skin or inhaled.

Avoid skin, mouth and eye contact with the tablet. Wash thoroughly with soap and water after handling. Avoid inhalation.

Statement of Practical Treatment

If inhaled – move to fresh air.

If on skin – wash affected area with soap and water.

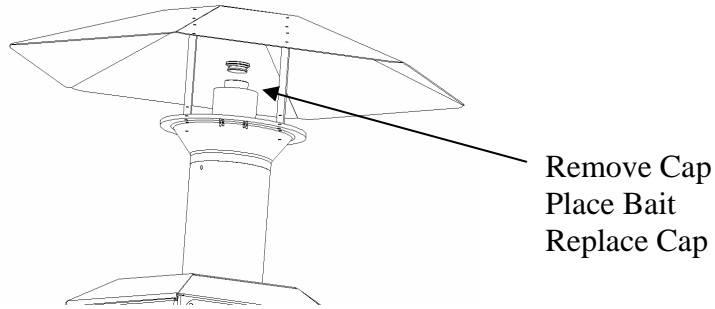
If in eyes – flush with plenty of water. Call a physician if irritation develops.

Disposal of Used Bait

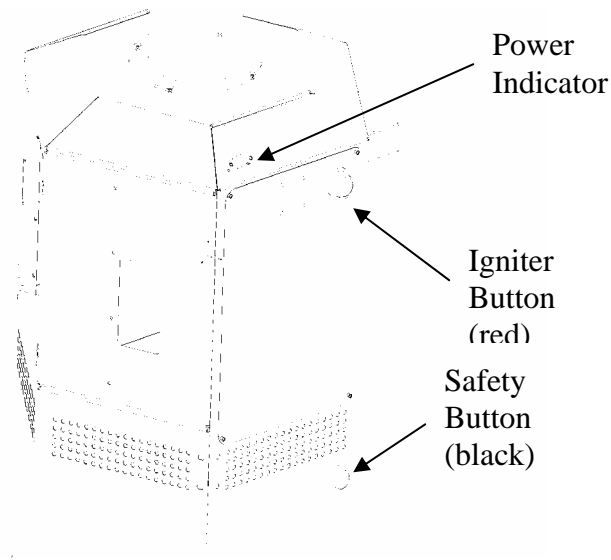
Wrap used tablet in plastic bag and discard into rubbish bin.

3. Operating Instructions

1. Place MidgeaterPlus™ in desired position on level ground.



2. The bait/attractant should then be placed in the bait holder, ensuring that the bait holder cap is replaced.
3. Connect the click/on regulator to patio gas bottle.
4. Place gas bottle inside the MidgeaterPlus™.
5. Fit midge capture bag in vacuum chamber.
6. Ensure vacuum chamber door is closed.
7. Ensure that the grey lever on the click/on regulator is in the vertical position (on) and gas bottle chamber door is closed.
8. When starting from cold the system will have to be primed i.e. hold black button in for approx. 15 seconds. This lets the gas flow through the hose.



9. Press black button and hold in position.
10. After 5 seconds press red igniter button (keeping the black button held down) until a pop is heard, the gas has now ignited.
11. Keep the black button held down until the power indicator needle has moved between the red and the green section. This should take approximately 90 seconds (please note that if the black button is released at any time during the above operation, you must repeat the process from step 7).
12. After releasing the black button the needle on the power indicator should continue to rise into the green section.
13. Your MidgeaterPlus™ should now be operational.

A 13kg patio gas bottle should last 24 to 28 days. This only applies if the MidgeaterPlus™ is left to run continuously, for which purpose it has been designed and tested. Continuous use is recommended for best results.

4. Machine Placement

As midges are attracted to any warm CO₂ producing source (including people and animals) the machine should be sited away from where people congregate. Ideally the midges should reach the MidgeaterPlus™ before they reach the people.

It may be worth trying several locations to identify which is the most effective for your MidgeaterPlus™. Furthermore, changes in wind direction could alter the midges' behaviour so it may be necessary to move the trap from one location to another throughout the season.

5. Trouble-Shooting Guide

Below is a list of problems that we believe that our customers may be able to solve themselves when the unit fails to operate correctly. If you are unsure about carrying out any of these tasks, please call our technical help line (01382 618444) for assistance.

GAS CONNECTION: Ensure that the Quick-On gas regulator is fitted to the gas bottle correctly. The regulator is pushed on in position which allows the grey switch to turn.

IGNITION PROBLEMS: Firstly check the igniter button. You should hear a clicking noise when the red button is depressed. If the clicking noise cannot be heard, unscrew the red button Cap and replace the AA battery. Screw the cap back on and retry. If there is still no clicking, remove the service panel as shown in figures 1, 2 & 3.



STEP 1 Remove the four screws as shown in fig 1 using a Phillips head screwdriver.

STEP 2 Let the service panel hang down as shown in fig 2.

STEP 3 You can now check the wire connection from the igniter to the spark tip.

STEP 4 Replace the service panel as shown in fig 3 and retry.

**** NEVER TRY TO IGNITE THE MIDGEATER WHEN THE SERVICE PANEL ** IS REMOVED AS IN FIG 2.**

STEP 5 If the problem persists a Texol engineer should be called to rectify the fault.

NOZZLE HOUSING BLOCKAGE: Assuming that the regulator is fitted properly and the igniter is sparking, the next check is the Nozzle Housing. This can become blocked due to spiders casting a web inside the housing, this restricts the gas flow which does not allow the combustion process to occur. See figure 4 below.

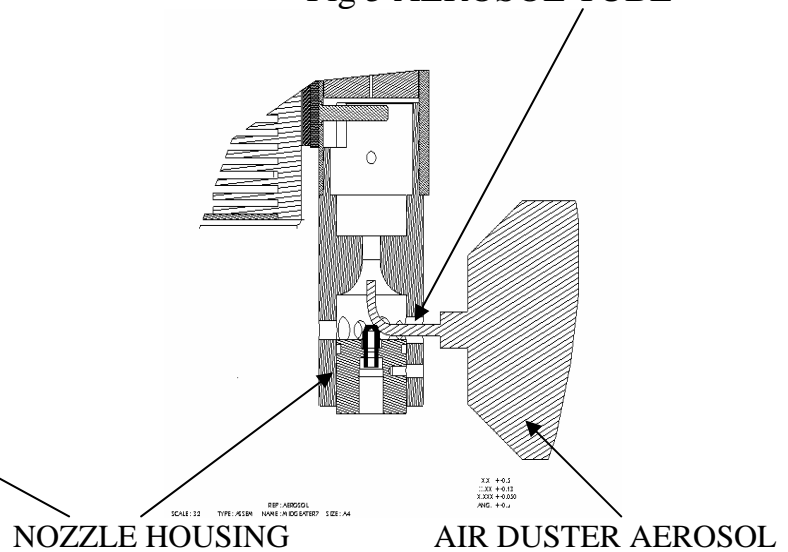
The nozzle housing can be cleared with the use of an air duster aerosol dispenser (see spare parts list for aerosol). Firstly remove service panel as before, then using the tube attachment on the air duster, insert the tube into the nozzle housing through the air vents. Try to get the tube pointing

up towards the combustion chamber area and disperse the air duster to clear any blockages. See fig 5 below. It is important to ensure that the nozzle housing and the chimney area are kept clear. Replace the service panel and repeat the ignition process

Fig 4 CHIMNEY AREA



Fig 5 AEROSOL TUBE



POWER INDICATOR: If your MidgeaterPlus™ has ignited but the power indicator needle does not move from the red area, check that the fan in the midge capture chamber is working. If the fan is working, the MidgeaterPlus™ can still be used even though the power gauge is not operational. A new gauge can be ordered by calling the helpline.

FAN FAILURE: If your MidgeaterPlus™ starts up but the fan fails to operate, turn the gas off. A new fan can be ordered by calling the helpline.

MIDGEATER CUTTING OUT: Your MidgeaterPlus™ is operational but after a short period of time the MidgeaterPlus™ cuts out. This fault may be caused by a problem with the bi-metallic switch which is located on the engine. A new switch can be ordered by calling the helpline.

If you have problems with any of the trouble-shooting guides, please do not hesitate to call the Midgeater Helpline 01382 618444. When no one is available to take your call please leave a message with your name and contact Number where you can be reached. We will make every effort to reply to your call within the working day.

6. Cleaning Instructions

Tools required for cleaning are, a Philips screwdriver and a vacuum cleaner with crevice attachment.

1. Remove midge capture bag
2. Clean midge capture chamber with a damp cloth or vacuum cleaner
3. Remove service panel by removing 4 screws as per Fig 6.
4. Carefully allow service panel to hang down, the service panel being held by the connecting wires as in Fig 7.
5. Clean out the chimney/ flue area using a vacuum crevice tool or similar as per Fig 8.
6. Vacuum out the nozzle housing ensuring that the air holes are clear, again using crevice tool or similar (Fig 9).
7. Remove gas bottle and thoroughly clean gas bottle chamber with damp cloth.



Fig 6



Fig 7



Fig 8



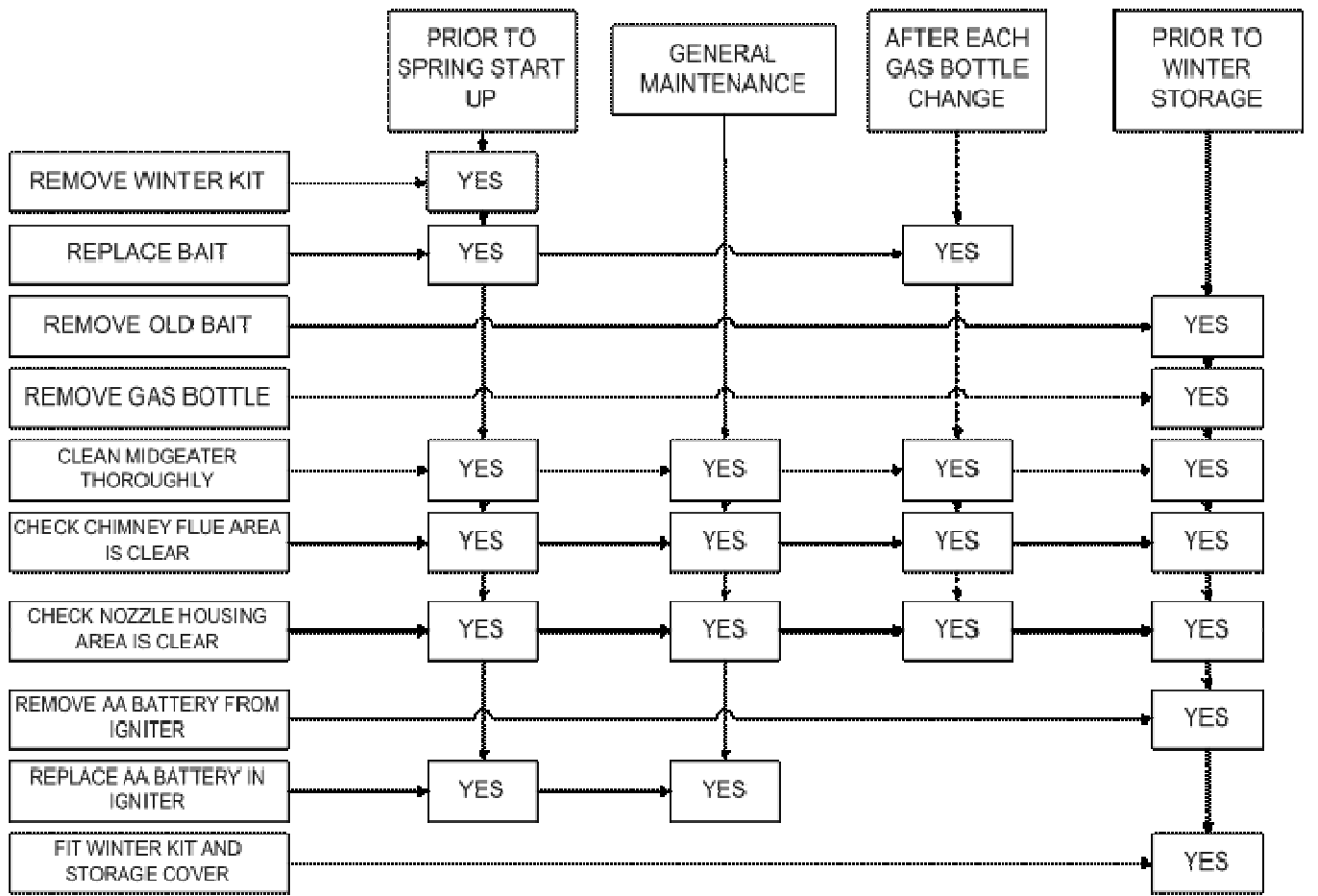
Fig 9

7. Maintenance and Service Chart

MAINTENANCE AND SERVICE GUIDE

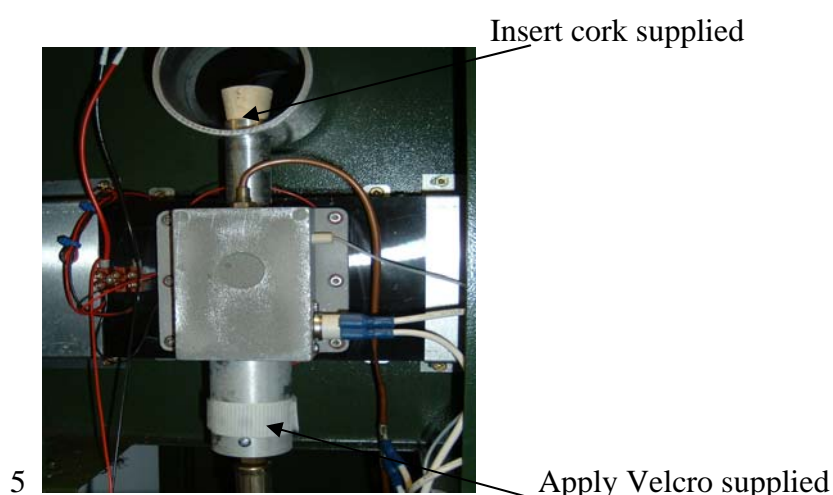
Maintenance and service work should only be carried out when the Midgeater has been turned off and the gas supply disconnected.

The following maintenance tasks may be carried out by the owner/user. All other maintenance tasks should be carried out by a Texol engineer.



8. Winter Storage Instructions

We strongly recommend that your MidgeaterPlus™ is thoroughly cleaned as per the cleaning instructions previous and also by using the supplied winter kit (contact helpline if winter kit is required) before winter storage. By following the instructions below, this should help to prevent any future problems arising on start-up next season.



1. After removal of service panel, insert the cork into the exhaust chimney and apply the Velcro strip to cover the combustion unit air holes.
2. Remove any remaining blue bait tablet boxes from bait holder.
3. Cover MidgeaterPlus™, preferably with a MidgeaterPlus™ storage cover (see www.midgeater.co.uk or call calor at 01698 745532 for details) and store in a dry place, i.e. garage or garden shed.

NOTE: *WINTER KIT TO BE REMOVED PROIR TO SPRING START-UP*

9. Frequently Asked Questions.

Q. How does the MidgeaterPlus™ work?

A. The MidgeaterPlus™ draws insects towards it by emitting a plume of harmless carbon dioxide. This is produced as a by-product of burning propane through catalytic conversion, which also produces warmth and moisture. These attractants combined with a bait tablet provide the formulae to which insects are attracted. When they fly towards the machine they are expecting a tasty blood meal. The MidgeaterPlus™ then sucks them into a disposable bag. No insecticides are used.

Q. How long should my gas bottle last?

A. Approx 24 – 28 days (when the MidgeaterPlus™ is running 24/7).

Q. When should I replace the bait tablet?

A. The bait tablet should be replaced at same time as a gas bottle change over.

Q. Should I switch my MidgeaterPlus™ off during the day?

A. No. MidgeaterPlus™ has been designed to be kept running 24/7, it should be noted that if the MidgeaterPlus™ is switched off any captured midge will escape from the capture bag.

Q. Where can I buy MidgeaterPlus™ spares bags & bait tablets?

A. You should be able to purchase these from the retailer that you purchased your MidgeaterPlus™ from.

Q. How do I dispose of the midge in the capture bag?

A. Remove capture bag and pull draw strings. Place capture bag inside a sealed plastic bag and leave for several days. The dead midge can then be disposed of at your discretion.

Q. My MidgeaterPlus™ has caught plenty of midge but there are still plenty in other parts of the garden.

A. The MidgeaterPlus™ is designed to be moved around. You may have to try several locations before you identify the best position for your MidgeaterPlus™.

Q. I am having difficulty sourcing patio gas locally.

A. Contact Calor Belshill for information on suppliers. Ph – 01698 745532.

SHOULD THERE BE ANY PROBLEMS OR QUESTIONS IN
RELATION TO THIS PRODUCT THAT YOU STILL REQUIRE
ANSWERS TO PLEASE DO NOT HESITATE TO CONTACT THE
MIDGEATER HELPLINE AT TEXOL
ON 01382 618444 OR EMAIL US AT (www.midgeater@texol.co.uk)

10. Warranty Information

The MidgeaterPlus™ device is guaranteed for a period of 1 year from date of purchase, provided that the equipment is handled in accordance with the instructions.

As a valued customer and someone who we hope is benefiting from the use of our Midgeater product, Texol services has put together an offer of extended warranty which we are sure will be of interest to you.

This extended warranty offer has been put in place to back up the excellent service already provided to our customers. If you wish to take up this offer it is available at a cost of £75.00 plus VAT at 17.5% total cost being £88.12. This extended warranty cover will last for a period of 12 months. The period of cover will commence as soon as your initial warranty expires.

The purchase of the 1 year extended warranty must be made at least 1 full calendar month prior to the initial warranty ending, Warranty cover otherwise shall then cease and service charges shall apply if call-outs are required.

WHAT IS COVERED

1. All defective parts
2. Manufacturing defects
3. Call out charges
4. Labour charges

WHAT IS NOT COVERED

1. Accidental damage.
2. Acts of God – weather damage
3. Vandalism.
4. Theft.
5. Site / Catch issues.
6. Self repair attempts

Should you wish to proceed with this offer of extended warranty please contact a member of staff at Texol. Ph – 01382 618444. Please have proof of MidgeaterPlus purchase at hand when you call as this is a necessary requirement to enable purchase of extended warranty.

11. Spare Parts List

Please find below a list of parts that can be ordered by calling the helpline (01382 618444). For the self assembly of parts, this is only a recommendation. If you require a service engineer to fit the parts, call the helpline.

<u>Parts List</u>	<u>Self Fitted</u>	<u>Service Eng. Rqd</u>	<u>Part No.</u>
1 Combustion Unit Complete		*	202665
2 Spark Tip / Lead	*		202568
3 Bi Metallic Switch	*		202601
4 Multispark	*		202911
5 Transport Handle	*		202635
6 Power Indicator / Fan Assy		*	202891
7 Large Fan		*	202726
8 Weather Cover Assy	*		202910
9 Black Acetal Cap	*		202697
10 Safety Button Cover	*		202868
12 Bait Holder	*		202581
13 Bait Holder Cap	*		202582
14 Bait Holder Fixings Tapped	*		202596
Bait Holder Fixings			
15 Untapped	*		202595
16 Levelling Bracket	*		202985
17 Gas Bottle Door	*		202625
18 Gas Bottle Door Hinge	*		202613
19 Gas Bottle Door Latch	*		202893
20 Small Door Hinge 141 LH	*		202610
21 Small Door Hinge 142 RH	*		202611
22 Vacuum Door Lock	*		202612
23 Vacuum Door	*		202688
24 Axle	*		202642
25 End Caps	*		202572
26 Large Wheels	*		202571
27 Service Panel	*		202714
28 Air Vent Brackets	*		202867
29 Winter Kit / Cover	*		202678
30 Aerosol	*		consumable

12. Technical Data

Gas Type :

Propane I_{3p}

Gas supply pressure :

30, 37, 50mbar

Nominal Heat Input :

0.25kW

Height :

1.10m

Width :

520mm

Weight :

Approx. 30kg (without gas cylinder)

Colour :

Green RAL6020

Direct Countries of Destination :

GB & IE

13.Contact Detail

Manufactured by Texol Products Ltd

Myrekirk Road, Dundee, Scotland, DD2 4SX.

Midgeater® is a registered trade mark.

Patent Applied For : No. 0306538.0

For stockists of replacement bags & bait tablets call 01698 740660.

To order Calor Patio Gas call 0800 626 626 or visit

www.midgeater.co.uk

For warranty and/or technical enquiries, call the Midgeater helpline

on 01382 618444 or e-mail to

midgeater@texol.co.uk