

**midgeater<sup>®</sup>**  
by **TEXOL** **max** 



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## **1. Introduction**

Dear customer,

You have purchased a new MidgeaterMax 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 MidgeaterMax is used for its designed purpose only.

Before putting the MidgeaterMax 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](http://www.texol.co.uk)

## **2. Safety Precautions**

- The MidgeaterMax is designed for outdoor use only.
- The MidgeaterMax should only be used for insect capture.
- Carefully supervise children and animals when the MidgeaterMax is in use.
- Please remember there are no “safe slopes”. Position the MidgeaterMax 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 MidgeaterMax 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 sachet in plastic bag and discard into rubbish bin.

### **3. Bait Information**

The bait/attractant should be placed in the bait holder, as per the following diagrams.

a. open bait packaging



b. remove sachet from foil



c. roll into holder



d. place bait into holder as below



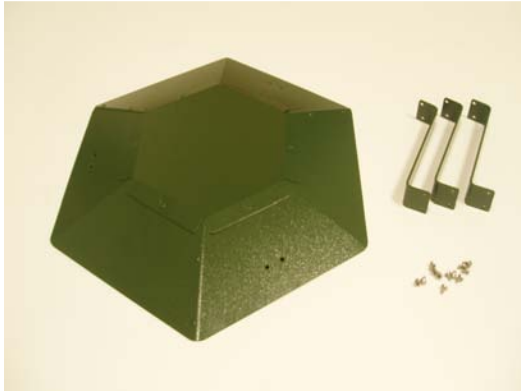
e. replace bait holder cap



#### **4. Customer Assembly of Weather Cover**

**REMOVE CUSTOMER PACK FROM GAS BOTTLE COMPARTMENT.**

**A POZI SCREWDRIVER IS REQUIRED FOR THIS ASSEMBLY:**



**Fig 1**

**THE PARTS YOU WILL HAVE ARE:**

**1 x HOOD**

**3 x STRUTS**

**12 x M4 SCREWS**



**Fig 2**

**SECURE THE 3 STRUTS TO THE CHASSIS USING 6 SCREWS IN THE ORIENTATION SHOWN IN Fig 2.**



**Fig 3**

**ATTACH THE HOOD TO THE STRUTS USING 6 SCREWS IN THE ORIENTATION SHOWN IN Fig 3.**

## **5. Operating Instructions**

1. Place MidgeaterMax in desired position on level ground.



Remove Cap  
Place Bait  
Replace Cap

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 MidgeaterMax.
5. Fit midge capture bag in vacuum chamber. (see below)





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 9).

12. After releasing the black button the needle on the power indicator should continue to rise into the green section.
13. Your MidgeaterMax should now be operational.

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

## **6. Machine Placement**

As midges are attracted to any warm CO<sub>2</sub> producing source (including people and animals) the machine should be sited away from where people congregate. Ideally the midges should reach the MidgeaterMax before they reach the people.

It may be worth trying several locations to identify which is the most effective for your MidgeaterMax. 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.

## **7. 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.

Fig 1



Fig 2



Fig 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 (supplied in customer kit). 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 & 6 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

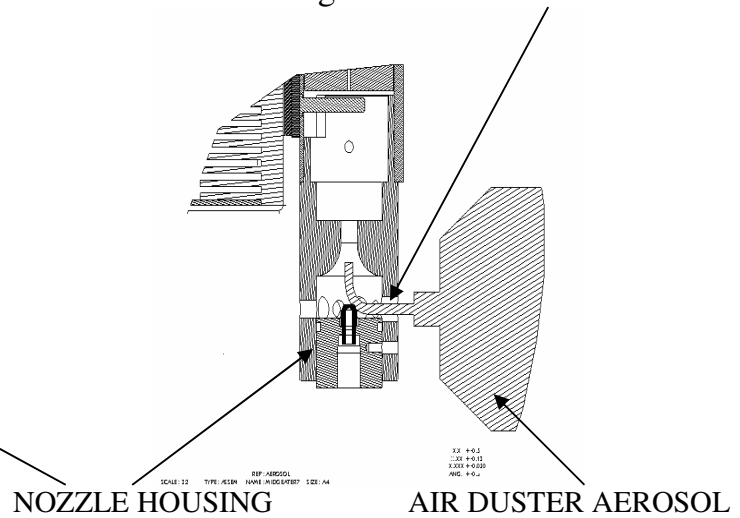


Fig 6

**POWER INDICATOR:** If your MidgeaterMax 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 MidgeaterMax 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 MidgeaterMax 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 MidgeaterMax is operational but after a short period of time the MidgeaterMax 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.

## **8. 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 7.
4. Carefully allow service panel to hang down, the service panel being held by the connecting wires as in Fig 8.
5. Clean out the chimney/ flue area using a vacuum crevice tool or similar as per Fig 9.
6. Vacuum out the nozzle housing ensuring that the air holes are clear, again using crevice tool or similar (Fig 10). You can also use the aerosol duster to clear the holes (Fig 11).
7. Remove gas bottle and thoroughly clean gas bottle chamber with damp cloth.





Fig 7



Fig 8



Fig 9



Fig 10



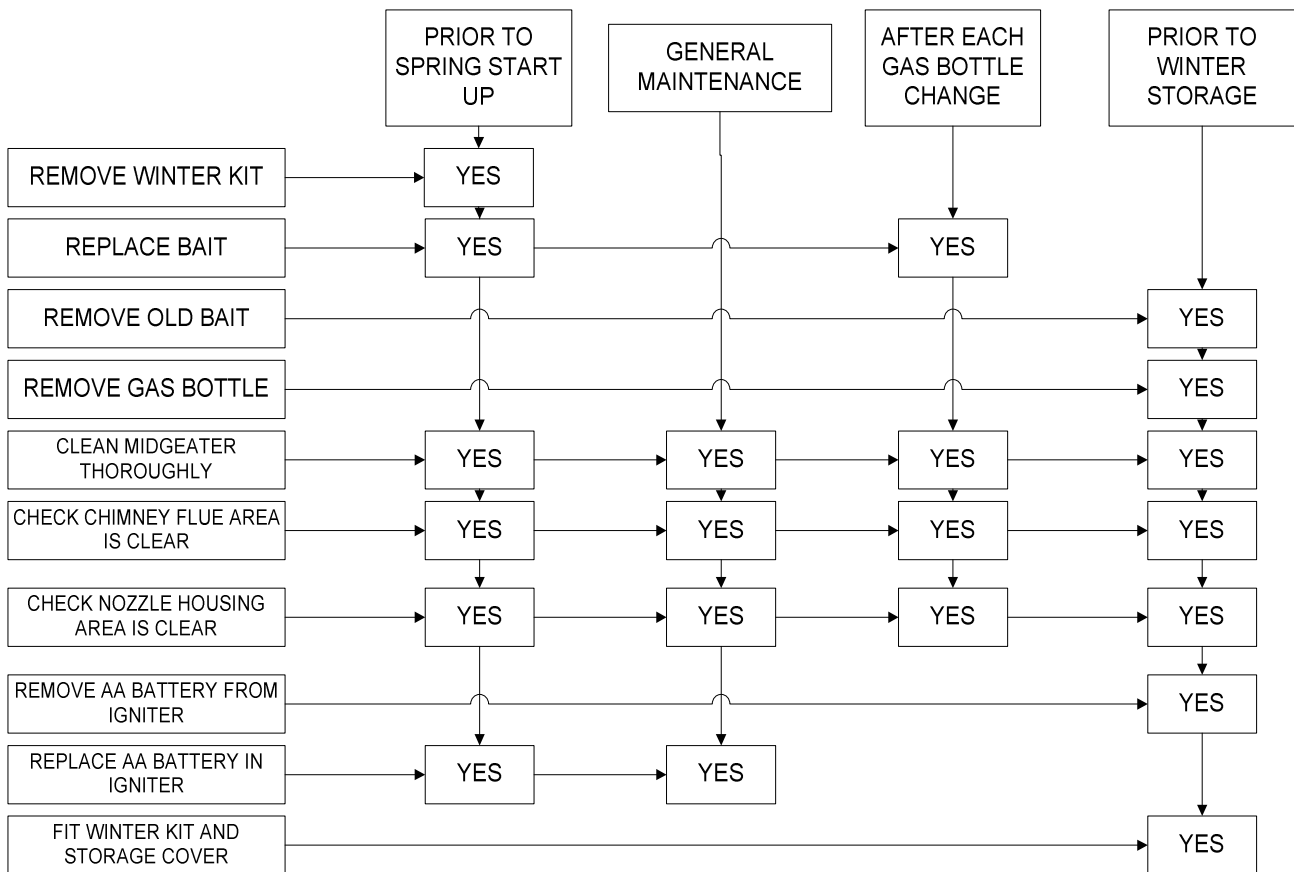
Fig 11

## 9. Maintenance and Service Chart

### MAINTENANCE AND SERVICE GUIDE

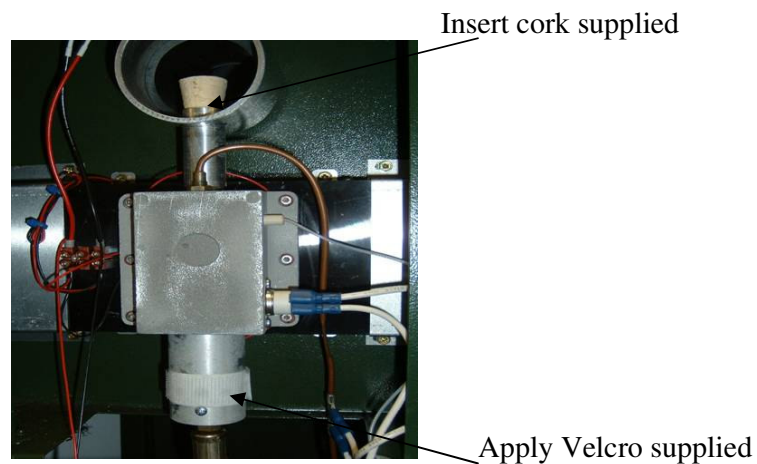
Maintenance and service work should only be carried out when the Midgeater has been turned off and the gas supply disconnected.

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



## **10. Winter Storage Instructions**

We strongly recommend that your MidgeaterMax 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 bait sachets from bait holder.
3. Cover MidgeaterMax, preferably with a MidgeaterMax storage cover. (see [www.texol.co.uk](http://www.texol.co.uk) or contact distributor) and store in a dry place, i.e. garage or garden shed.

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

## **11. Frequently Asked Questions.**

Q. How does the MidgeaterMax work?

A. The MidgeaterMax 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 MidgeaterMax 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 MidgeaterMax 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 MidgeaterMax off during the day?

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

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

A. You should be able to purchase these from the retailer that you purchased your MidgeaterMax 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 MidgeaterMax has caught plenty of midge but there are still plenty in other parts of the garden.

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

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 [midgeater@texol.co.uk](mailto:midgeater@texol.co.uk)

## **12. Warranty Information**

The MidgeaterMax 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 MidgeaterMax purchase at hand when you call as this is a necessary requirement to enable purchase of extended warranty.

### 13. 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 Bait Holder Fixings	*		202596
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	*		203667



## **14. Technical Data**

**Gas Type :**

Propane I<sub>3p</sub>

**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

## **15. 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 visit,**

**[www.texol.co.uk](http://www.texol.co.uk)**

**or contact your local distributor.**

**To order Calor Patio Gas call 0800 626 626**

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

**on 01382 618444 or e-mail to**

**[midgeater@texol.co.uk](mailto:midgeater@texol.co.uk)**