



# SCATTERBIRD

GAS POWERED BIRD SCARER **MARK 3**



**INSTRUCTIONS - FOR THE OPERATION OF THE**

## **SCATTERBIRD MARK 3 GAS GUN**



Portek Limited, Bleaze Farm Old Hutton, Cumbria. Tel: 01539 722628 Fax: 01539 741282

### **OPERATING INSTRUCTIONS FOR THE SCATTERBIRD MK3 BIRD SCARER.**

***BEFORE OPERATING THE GAS GUN PLEASE READ THESE  
INSTRUCTIONS IN FULL.***

***PLEASE USE EAR MUFFS AS A SAFETY PRECAUTION.***

To operate the gas gun you will need a 12-volt battery and a cylinder of PROPANE gas. (See note under power supply below). Place the gas gun in a suitable position making sure there is nothing obstructing the barrel. Take particular care in standing crops as obstructions could be ignited.

Connect the regulator to the gas cylinder and turn on the supply valve ensuring there is no gas leakage. Connect the battery to the two crocodile clips ensuring correct connection, red to positive (+) and green to negative (-).

#### **SELECTING NUMBER OF BANGS**

Press select button A until the red light on the vertical row is opposite NUMBER OF BANGS. Press select button B until the red light on the horizontal row is underneath the required number of bangs.

#### **SELECTING INTERVAL BETWEEN BANGS**

Press select button A until the red light on the vertical row is opposite the INTERVAL BETWEEN BANG CLUSTERS IN MINUTES. Press select button B until the red light on the horizontal row is underneath the required interval between bangs.

#### **SELECTING MORNING DELAY**

Press select button A until the red light on the vertical row is opposite MORNING DELAY IN HOURS. Press select button B until the red light on the horizontal row is underneath the required hours you wish the gas gun to come on after dawn.

#### **SELECTING PRE DUSK SHUT OFF**

Press select button A until the red light on the vertical is opposite the PRE DUSK SHUT OFF IN HOURS. Press select button B until the red light on the horizontal row is underneath the required hours prior to dusk you wish the gas gun to close down. This facility will not work on the first night.

#### **TEST PRESENT MODE FACILITY**

The test present mode facility is to enable you to set up the gas gun as accurately as possible. By pressing select button B the control panel will tell you which of the 4 modes the gas gun is in i.e. Morning Delay, Evening Delay, Night or Day.

#### **USING THE TEST FIRE FACILITY**

To test fire the gas gun hold down select button B and press select button A. The gas gun will not fire when it is in night mode.

## NOTES FOR THE EFFECTIVE AND SAFE USE OF THE GAS GUN.

**DO NOT CHANGE THE PROPANE GAS CYLINDER WHILST SMOKING OR NEAR A NAKED FLAME.**

**ALWAYS DISCONNECT THE GAS AND BATTERY BEFORE TRANSPORTING THE GAS GUN.**

**BEFORE OPERATING THE SCATTERBIRD ALWAYS CLEAR A LARGE FIREPROOF AREA AROUND THE GUN.**

### CAMOUFLAGING THE GAS GUN

The attention of birds is drawn to the gas gun by the noise they produce. If such devices are to continue to scare, it is important that the birds acquire as little information about them as possible. Guns are usually painted in bright colours and are often sited conspicuously. The best effect is produced if they are placed in a hide of branches etc. However, if they are hidden, the fire risks and also the possibility of alarming people unaware of their presence need to be considered.

An alternative way to camouflage an auditory scarer is to hide it in a very conspicuous container surrounded by many identical but otherwise empty ones. For example, it may be possible to house a gas gun in a brightly coloured metal drum laid on its side with several similar empty drums in other positions in the field.

### BATTERY

**DO NOT USE OLD BATTERIES AS THESE TEND TO DISCHARGE VERY QUICKLY**

If the voltage of the battery used to operate the gas gun drops below a certain level four lights on the horizontal row will light and the gun will cease to function. We recommend the use of a deep cycle lead acid battery usually found in tractors, caravans and boats. We do not recommend purchasing batteries that incorporate nicad cells usually found in modern cars. These usually go into deep discharge and are difficult to recharge.

SCATTERBIRD MK3 can also be powered by a YUASA 12 volt 2.8-amp hours battery, which is available from most dealers. There is a special compartment to fit the YUASA battery inside the gas gun at the top of the plastic moulding. There is also a special wiring harness to connect the power supply of the YUASA battery to the gas gun. To fit the wiring harness disconnect the crocodile clips by pulling the plastic connector apart and connecting in the special harness. When disconnecting the wiring harness do not pull the plastic connector apart by the wires. Use the two halves of the plastic connector. After fitting the wiring harness fit the spade connector with the brown wire to the red connector on the battery and the spade connector with the blue wire to the black connector.

**ALWAYS DISCONNECT THE GAS AND BATTERY BEFORE TRANSPORTING THE GAS GUN.**

If the gun is moved from one drum to another the birds will learn to associate the unpleasant sound with the drums but will not be able to predict which drum will emit the noise. In this situation they will often avoid all drums and so the area protected by a single gun can be increased. This effect can be further improved by occasionally changing the colour and position of the drums from time to time.

- *Change the position of the gas gun as frequently as possible.*
- *Reinforce the deterrent by occasionally shooting in the vicinity.*
- *Point the barrel of the gun downwind.*
- *For the best results the Scatterbird should not be operated more frequently than once every 15-20 mins.*
- *Keep the photocell on the control panel clean to allow the circuit board to identify night and day.*

### POWER SUPPLY

#### GAS

The gas gun is operated by PROPANE gas which is usually dispensed in orange / red containers. Do not use butane gas (usually in blue containers).

## DECLARATION OF CONFORMITY

**PRODUCT:** Scatterbird Mk3

**SERIAL NO:** See plate on machine

**MANUFACTURED BY:** Portek Ltd, Bleaze Farm, Old Hutton, Kendal, Cumbria LA8 0LU.

**AIRBORNE EMISSIONS:**

**THE FOLLOWING STANDARDS APPLY:**

**SIGNATURE:**



Director

## SCATTERBIRD Mk III TROUBLESHOOTING GUIDE

### GAS IS BEING DELIVERED BUT NO IGNITION

#### POSSIBLE CAUSE

#### SOLUTION

- |                                   |       |  |
|-----------------------------------|-------|--|
| 1. Incorrectly set spark plug gap | ----- | check gap (2mm).   |
| 2. Wrong spark plug               | ----- | use only Champion spark plug (Part No RN9YC) or (Bosch WR7D).                        |
| 3. Wrong regulator                | ----- | use only ONE bar regulator.  |
| 4. Faulty high-tension lead       | ----- | Check to see spark is not jumping through faulty insulation - replace with new lead. |
| 5. No spark                       | ----- | spark plug damaged – test & replace with new spark plug (see above).                 |

OR possible control panel malfunction. Check by selecting TEST FIRE MODE see A.

### OR – NO GAS BEING DELIVERED

#### POSSIBLE CAUSE

#### SOLUTION

- |                           |       |  |
|---------------------------|-------|--|
| 1. No gas being delivered | ----- | check gas is turned on.  |
| 2. Wrong regulator        | ----- | check that a ONE bar regulator is fitted.  |
| 3. Solenoid not working   | ----- | possible control panel malfunction. Check by selecting TEST FIRE MODE see A below. |

### A. TEST FIRE MODE TO IDENTIFY IF CONTROL PANEL IS MALFUNCTIONING

#### BEFORE GOING THROUGH THE TEST FIRE MODE, ALWAYS TURN OFF & DISCONNECT GAS SUPPLY & MAKE SURE THAT ALL RESIDUAL GAS HAS BEEN EXPELLED FROM THE BARREL

A1. Set the NUMBER OF BANGS to ONE

A4. After three (3) seconds, another loud "click" will sound which is the solenoid closing.

A2. Hold down select button B and then press select button A; each horizontal red light will light up & then go out one by one from right to left.

A5. A series of soft "clicks" will follow immediately as the spark plug sparks to ignite the gas.

A3. Then a loud "click" will sound which is the solenoid opening to let gas into the chamber

**If any of the above stages - (A2 - A5) do not occur, the control panel may be malfunctioning. If you are sure this is the case, contact your local dealer for a replacement control panel or contact:**

***Portek Ltd on 01539 722628***

## SCATTERBIRD MK 3 SPARES LIST

Item No.	Description	Part No.
1	Moulding & Inner Barrel	032/01
2	Plastic Barrel Outer with Screws	032/02
3	Hinged Back Plate with Screws	032/03
4	Control Panel Steel Cover with Screws	032/04
5	Side Plate with Fasteners	032/05
6	Spark Plug (short reach)	032/06
7	Jet	031/07
8	Solenoid	031/08
9	Regulator	031/54
10	Pipe	031/55
11	Spark Generator with Fasteners	031/10
12	High Tension Lead	031/11
13	Long Battery Lead	031/12B
14	Short Battery Lead	031/12C
15	Earth Lead	031/12D
16	Main Wiring Harness	032/07
17	Circuit Board with Screws (new)	031/50
18	Instruction Book	032/08
19	Leg Set with Fasteners	032/09
20	Circuit Board (service exchange)	033

**Note:** *Service exchange circuit boards are ONLY supplied against the return of repairable faulty units. Replacement of unrepairable faulty units are charged at full spares price.*

