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Ver 1.1

Bangalore Broadside B36 Screamer Kit Fitting Instructions

Fit to Bangalore Broadside Model B or C



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1 Overview

This guide shows you how to install the kit yourself.

Please ensure you read these instructions carefully before installing your Screamer Kit.

Failure to observe these instructions closely may result in damage to your control box.

Please note that the screamers will only operate if the Bangalore is powered by a good heavy duty 12 volt battery. The small internal battery will not operate the screamers.

Advantages.

Change from just bang give something different.

Tests have shown that if any group of birds does not respond to the bang, then adding a screamer to synchronise with the bang is very effective.

The screamers sound whilst the banger is charging with gas, the scream stops abruptly when the bang happens it all happens in a split second.

The effect is that birds who have become used to the bang will take no notice of the scream whatsoever but when the scream instantly converts into a bang then that action startles the birds so that they fly off. So it is the scream/bang effect that works not the scream on its own.

We recommend that you only use the screamers sparingly as a boost deterrent.

Figure Note

Selecting to operate the screamer kit is done in the program. There is no screamer on / off switch.

See operating instructions for more information.

2 The B36 Screamer Kit for Bangalore Broadside Types B & C

Figure 1 shows the contents of the B36 Bangalore Screamer Kit.
It contains the following items:

- Bangalore Broadside Operating instructions
- 1 off B117 Screamer Kit Lead - Broadside
- 1 off B139 Short wire for Battery Lead
- 1 off B56 25a Fuse
- 1 off B78 Mains Lead Assembly
- 1 off B85 Fuse Holder
- 1 off B23 Screamer Kit

Comprising

Air Compressor
Big Horn
Small Horn
Y-Piece
Flexible tube
2 brackets
Nuts & bolts

M6 Bolts

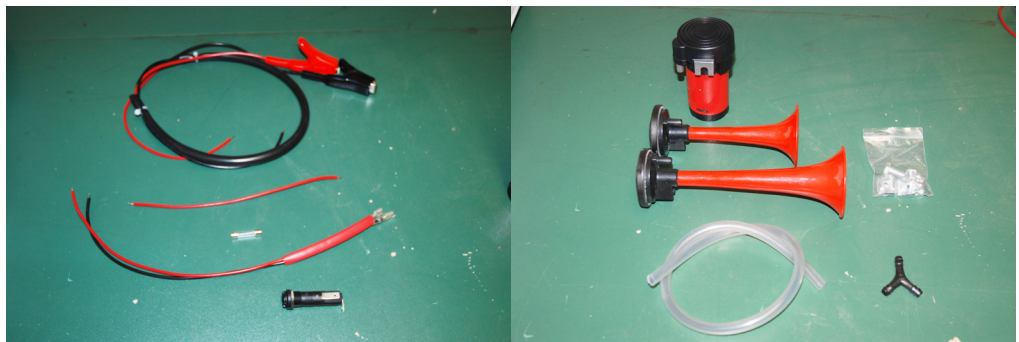
2 with square heads

2 with hex heads

M6 nuts 4 off

M8 Bolt 1 off

M8 Nut 1 off



4 Figure 1 Contents of the B36 Screamer Kit

3 Strip-Down your Bangalore Broadside

Remove the control box from the gun.

Disconnect the wires from the small battery and remove the small battery from its holder.

Remove the wires from the ignition coil (grey sleeving) and the gas solenoid (white sleeving).

Remove the four screws holding the galvanised control box plate in place and the entire control box and mounting plate can be removed from the gun.

Figures 2 & 3 below

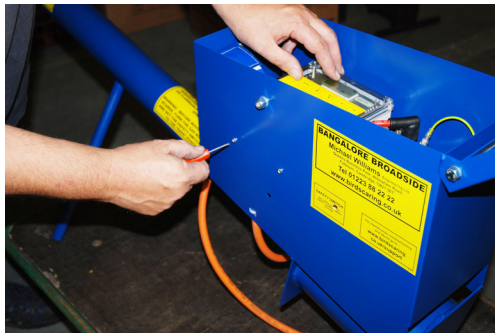


Figure 2

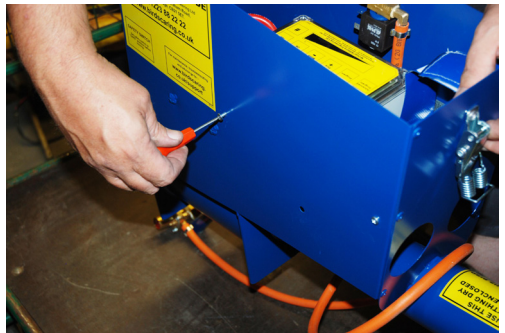


Figure 3

For Type C guns with the solar panel, remove the bolt securing the lid to the top of the gun and remove the lid and solar panel along with the control box mounting plate.

4 Fit the Screamer Kit

Fit the brackets to the two horns using the square head bolts and nuts. Figure 4



Figure 4

Fit the horns through the front holes as shown in figures 5 & 6. Bolt in place with the M6 bolts and nuts using the holes shown.

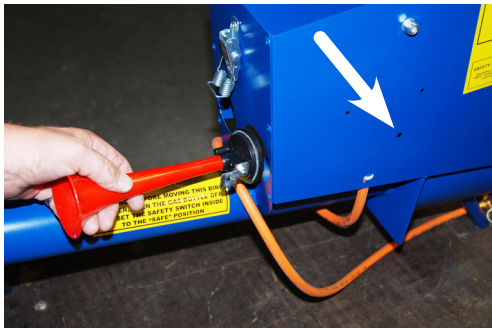


Figure 5 - Big Horn

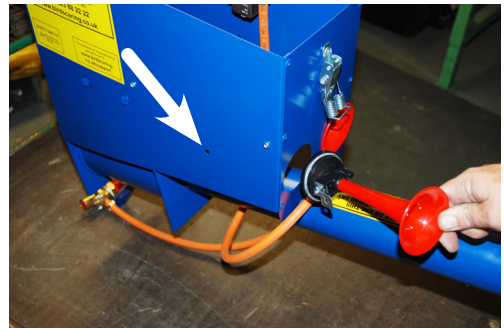


Figure 6 - Small Horn

Assemble the air pipe as shown in figure 7

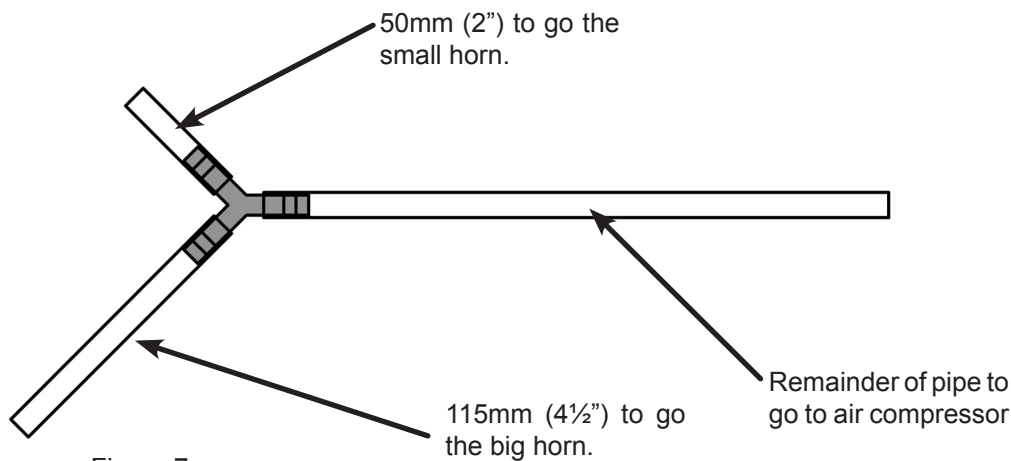


Figure 7

And then fit the pipe to the horns already fitted into the gun.

5 The Control Box

5.1 Unscrew the control box panel

Using a Posi-drive screwdriver, unscrew and retain the four screws at each corner of the control box panel. See Figure 8 below.

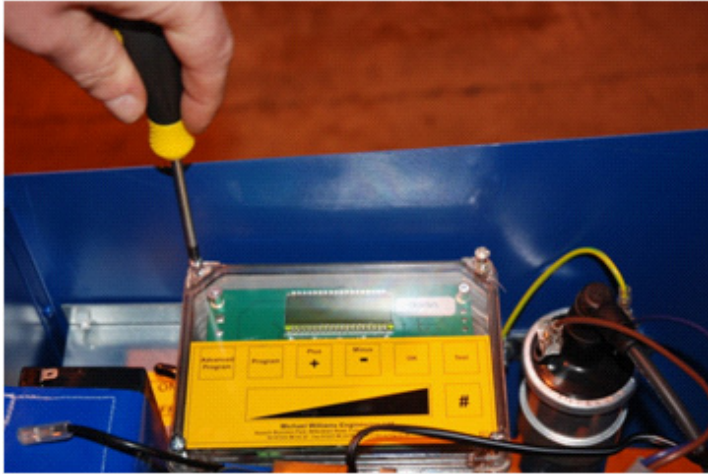


Figure 8 Unscrew the four screws at the corners of the control box panel.

5.2 Unplug the circuit board

Carefully open the lid of the control box from left to right. See Figure 9 below.



Figure 9 Open the lid of the control box.

Carefully unplug the 3 green cable connection blocks from the circuit board or unscrew wires from the terminals.

It may be easier to do this if you unplug some of the other cables attached to the circuit board. Hold and pull the connection block when unplugging, not the cables themselves. Damage may occur if you touch any of the components on the circuit board.

Fit the Fuse Holder

To do this, a hole needs to be drilled in the end of the box next to the switch.

See figure 10 for details. the hole needs to be large enough for the fuse holder to pass through. (Approximately 16mm - 5/8")

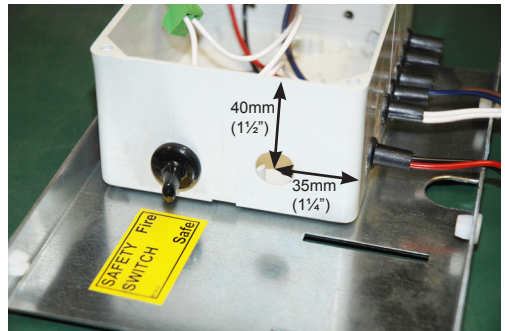


Figure 10

Place fuse holder (gently) in vice and tin side connector. Figure 11

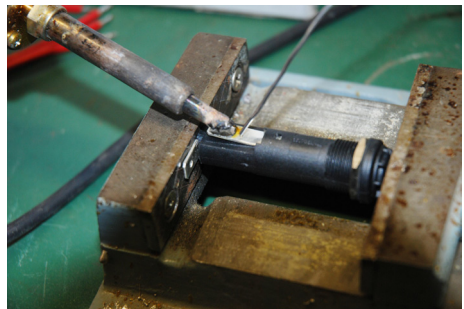


Figure 11

Note - Be careful when soldering the fuse holder as excessive heat will melt the plastic housing.

Change fuse holder orientation and tin end tab. It may be easier to angle the vice so the tab is pointing upwards. Figure 12

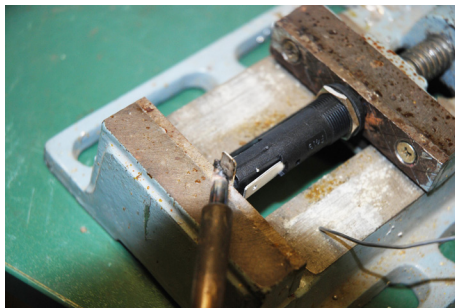


Figure 12

Solder short red wire to end tab of the fuse holder.
Figure 13

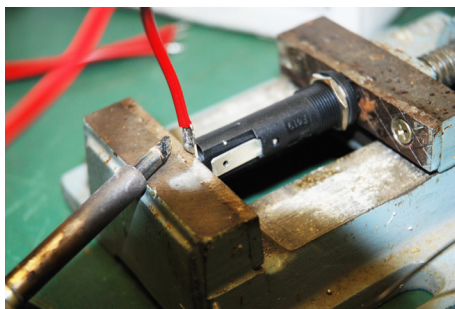


Figure 13

Fit fuse holder into box. Fit mains lead (the one with the big croc clips and black sleeve) through one of the spare holes in the front of the box and solder the red wire to the side tab of the fuse holder.

Figure 14

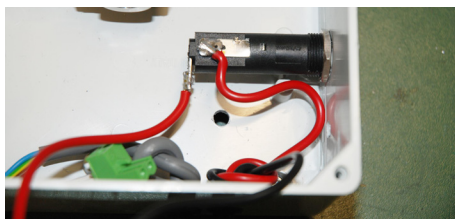


Figure 14

Fit the B117 Screamer Kit Lead (the short lead with the red sleeve) through one of the spare holes in the front of the box.

The two sets of wires can now be connected to the circuit board as shown on the wiring diagram on page 12.

5.3 Refitting the circuit board

Reconnect the green cable connection blocks to the underside of the circuit board. See wiring diagram on page 12.

Each connection block will only fit one way onto the connector – you won't be able to connect them up incorrectly.

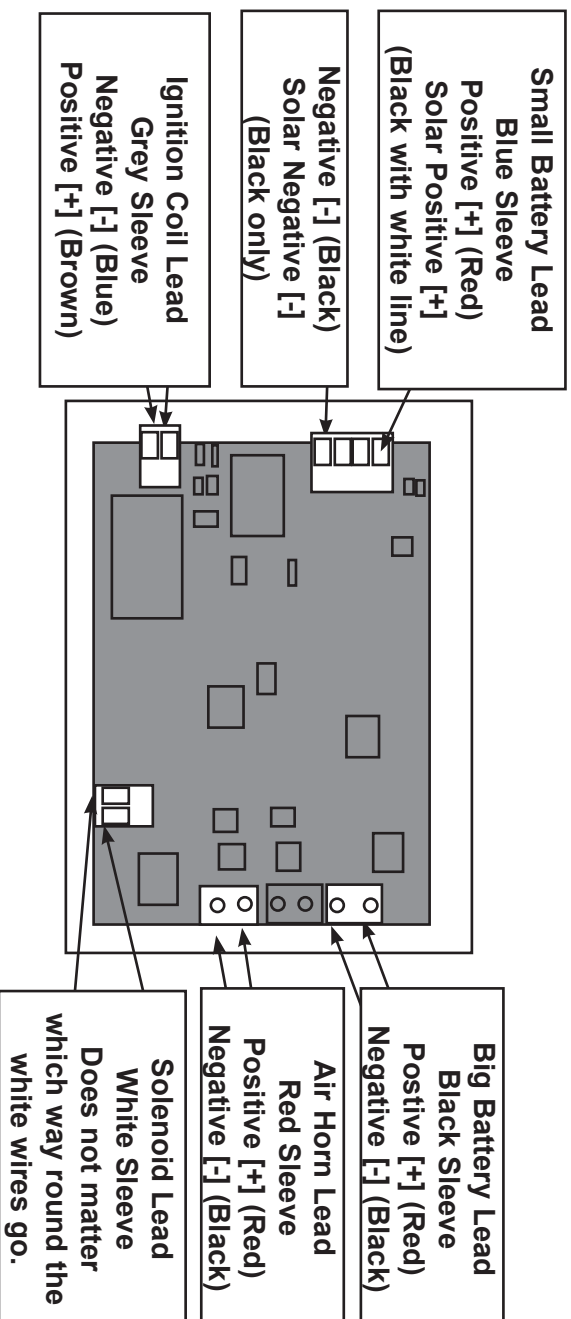
Replace the front panel. Replace and tighten the screws.

Note - It is possible that for the cables to become pulled away from the connectors when the lid is screwed back in place. Ensure that the wires do not bunch up inside the box before refitting the lid.

IMPORTANT

Now is the time to fit the 25a fuse in the fuse holder.

Wiring Diagram



6 Reassembly

The reassembly needs a little care to balance everything as it is fitted back into the gun.

The air compressor is the first part to be fitted into the gun.

Attach the air pipe to the outlet of the compressor. Arrange the pipe between the air horns so that it cannot kink.

Attach the air horn wires (with the red sleeve) to the terminals of the air compressor as follows

Red wire (positive) to the + terminal

Black wire (Negative) to the - terminal

The air compressor can now be bolted in place opposite the ignition coil using the 8mm bolt and nut. - See figure 15 below.



Figure 15

The control box can now be replaced. This is the reverse of removal and uses the four screws as shown in figures 2 & 3.

Reconnect the wires to the coil and solenoid.

The gun is now fully reassembled and ready to go.

When the gun is connected to the big battery, the 4th LED from the left (blue) will illuminate to indicate, "All connected correctly". If this light does not illuminate then please re examine your wiring.

To program when the gun is going to bang, scream and scream and bang, refer to the operating instructions.

7 Help and support

You can get help and support on any aspect of your Bangalore Bird Scarer by telephoning us or by visiting our website:

- Tel: 01223 88 22 22
- www.birdscaring.co.uk/support

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Bangalore Birdscarers, accessories and spares are available from:

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