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Ver 1.1

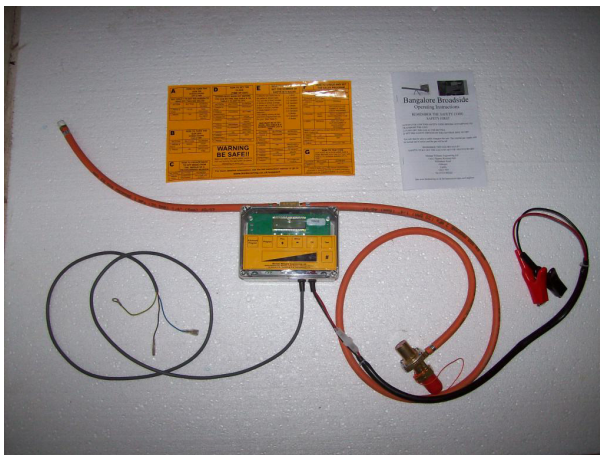
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Bangalore Retro-Fit Control Box Kit



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1.0 Overview

The Bangalore Retro-Fit Control Box Kit converts your older, non-digital Bangalore Bird Scarer into the latest digitally-controlled Bangalore Broadside Bird Scarer.

This guide shows you how to install the kit yourself.

Please ensure you read these instructions carefully before installing your Retro-Fit Control Box Kit.

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



2.0 The B17 Bangalore Retro-Fit Control Box Kit

Figure 1 shows the contents of the B17 Bangalore Retro-Fit Control Box Kit.

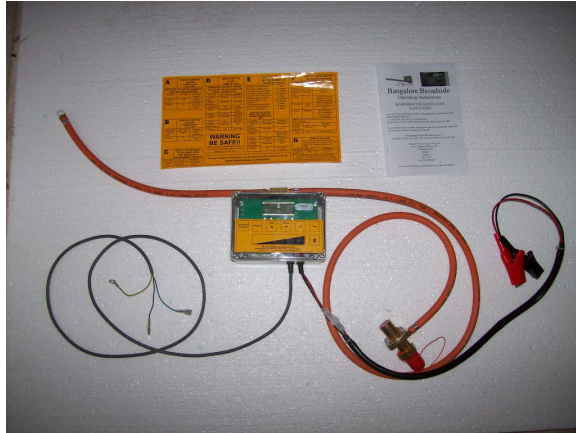


Figure 1 Contents of the B17 Bangalore Retro-Fit Control Box Kit

It contains the following items:

- B17 Retro Fit Control Box
- B74-1 Label
- Bangalore Broadside Operating Instructions

3.0 Strip-Down your Old Bangalore

Remove and discard the following components from your old Bangalore Bird Scarer:

- Control box assembly
- Complete gas system - retain the barrel pivot or jet mounting core



Figure 2

Move your old Bangalore Bird Scarer into a suitable place to work.

After ensuring that there are no connections to either gas bottles or batteries, the old control box and gas system can be removed.

Use wire cutters to cut through the grey wire coming from the ignition system of the old Bangalore Bird Scarer. (Figure 2.)

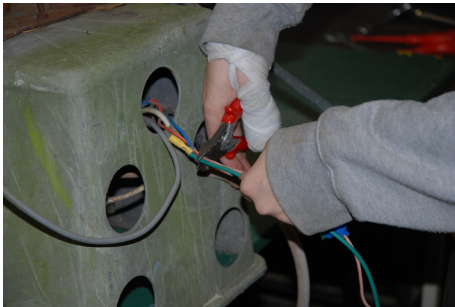


Figure 3

Cut through the grey ignition wire and the black & red battery wire coming out of the base of the birdscarer. (Figure 3.)

Cut through the gas line inside the base of the birdscarer and remove the gas pipe and regulator.



Figure 4

Undo the bolts holding your old control box to the bird scarer. They may be seized so a grinder will be required to cut the bolts off. (Figure 4)

Remove the old control box from the bird scarer.



Figure 9

This then gives access to the gas solenoid valve which needs to be removed too. Sometimes the valve will unscrew and leave a connector still fitted to the gun. This needs to be unscrewed too so that the fitting in the end of the new gas pipe will screw straight in to the gun.



Figure 10

The Inside of the gun should now be empty.

The ignition system is housed on the end of the barrel inside a weatherproof container. The coil needs to be removed to that the condenser attached to the side of it can be removed,



Figure 11

Remove the coil assembly from the old Bangalore - strip down and clean all the contacts thoroughly.

Note: Ensure you have removed the condenser from the coil assembly. Failure to do this will result in damage to the circuitry in your new control box.

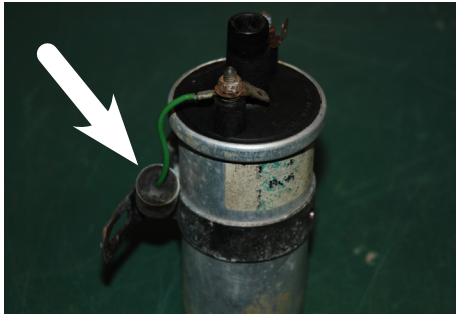


Figure 12

Remove the condenser from the coil assembly and discard. (Figure 8)

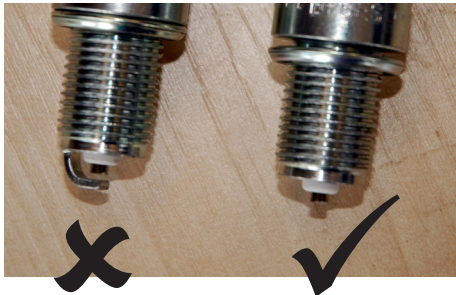


Figure 13

Remove the spark plug. Clean the thread of the spark plug and thread of the hole with a wire brush. Ensure that the feeler gauge tip on the spark plug has been removed. (Figure 9)

Carefully remove and clean the gas just ensuring its end is not blocked.

Caution: Never insert anything into the hole of the gas jet. This will damage the gas jet and cause your Bangalore to stop working.

4.0 Re-assemble your Old Bangalore

Using the template at the end of the manual, mark out and drill new mounting holes in the side of the Bangalore base. (Figure 10 and 11)
The box is fitted with M5 bolts so a 6mm drill will be OK for the holes.



Figure 5



Figure 6

Fit the new gas connector to the fitting inside the top of the Bangalore Base. Tighten carefully with a spanner.



Figure 7

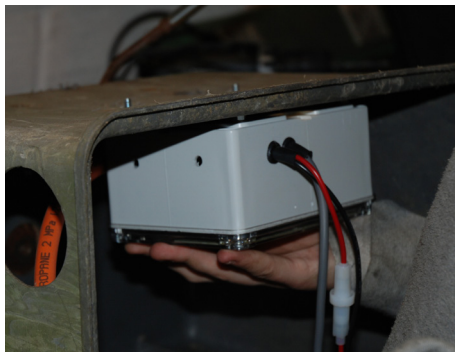


Figure 8

Caution: Treat the gas jet gently as over-tightening can distort or damage it.

8 Mount the new control box assembly inside the base. Ensure that it is weather-proof.

Re-fit the coil and spark plug.

Note: Ensure you have removed the condenser from the coil assembly - refer to Section 3 above. Failure to do this will result in damage to the circuitry in your new control box.

Ensure that you have a good earth connection between the earth lead (in the grey wire), the bolt mounting to the coil and the threads of the spark plug.

Connect the coil to the spark plug.

Connect the Blue wire to the negative (-) terminal of the coil and the brown wire to the positive (+) terminal.

Note: Before proceeding further, ensure you have removed the condenser from the coil assembly. Failure to do this will result in damage to the circuitry in your new control box.

The gun should now be ready for testing.

Connect the gas regulator to your bottle of propane (red bottle).

Connect the red and black leads from the control box to your external 12V battery.

To program the new Bangalore Broadside control box you will need to refer to the Bangalore Broadside Bird Scarer operating instructions.

Turn on the gas supply at the bottle.

Refer to the Bangalore Broadside Bird Scarer operating instructions for further information on operating your upgraded Bangalore Bird Scarer.

Note: The Bangalore Broadside Bird Scarer operating instructions refer to the “on/off safety switch” on the side of the control box. Please ignore these as your upgrade box does not have or require this item.

5.0 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:

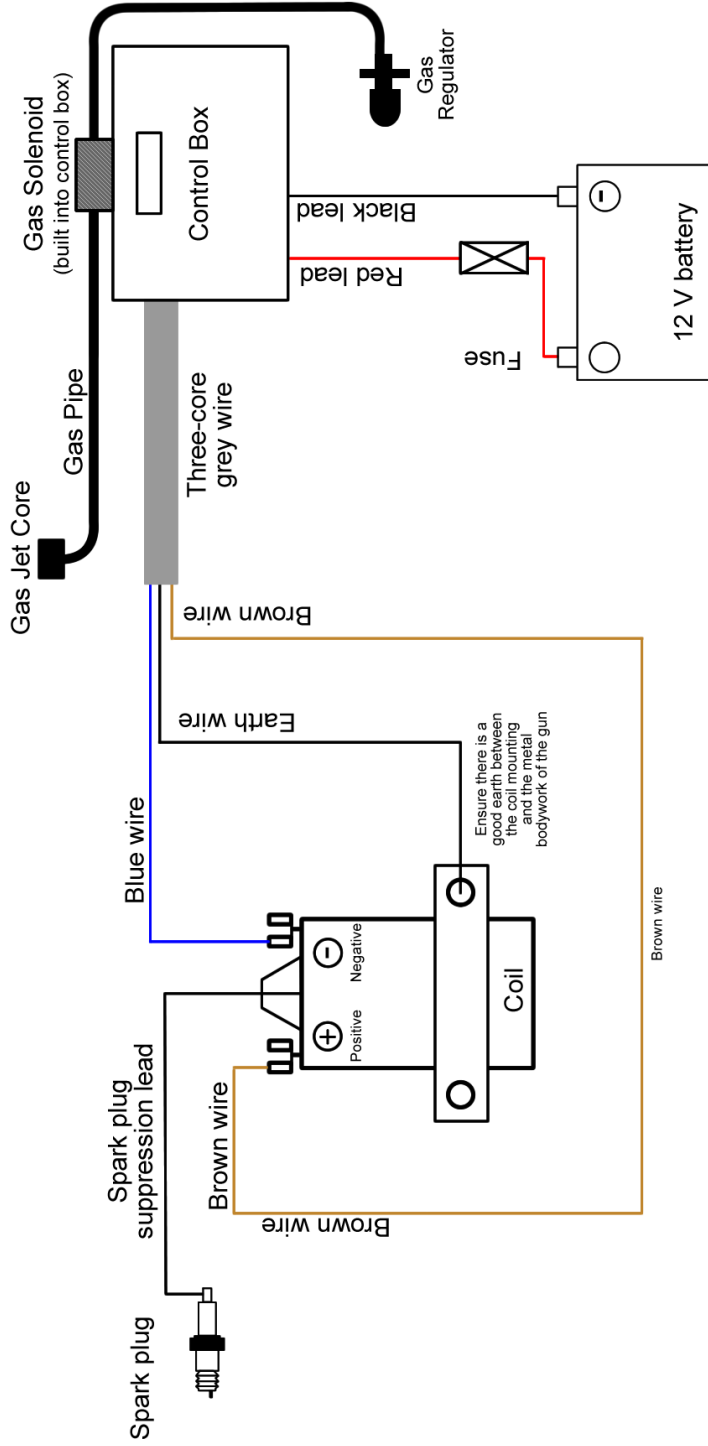
- Tel: 01223 88 22 22
- www.birdscaring.co.uk/support

Bangalore Birdscarers, accessories and spares are available from:

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Email: info@birdscaring.co.uk
Web: www.birdscaring.co.uk

Wiring Diagram



Drilling Template

