

The Summerlands Chuffer

General Purpose 1/8" single exhaust

SCGP1

Thank you for buying the *Summerlands Chuffer* – it has been developed by enthusiasts to bring the magic of a good chuff to your steam loco. Please take a moment to read the following points before fitting the *Chuffer* to your loco.

- This version of the *Summerlands Chuffer* has been developed for fitting to locos which have a single, 1/8" outside diameter exhaust. This will include locos such as Mamod, MSS, and PPS Janet as well as a range of home built locos. Fitting will inevitably involve some dismantling of your loco and cutting the exhaust to the correct length. If, having read the instructions below, you are in any doubt about your ability to fit the *Chuffer*, please seek advice from someone with model engineering skills. We cannot accept responsibility for any damage caused by incorrect fitting.
- If your loco is still under guarantee, then simply replacing the exhaust should not affect that guarantee. However, any damage done during fitting will not be covered and if you are in any doubt, please contact your retailer or the manufacturer.
- Your *Summerlands Chuffer* will be much louder and clearer than with the factory exhaust. However, just like on full sized locos, the volume will also depend how hard the loco is working – due to gradient or load. Work it hard for the best chuff!
- If you decide that this product is not for you – then send it back to us undamaged, within 56 days of purchase to the address below, together with your receipt (or details of where purchased) and name and address, for a full refund of the purchase price (excluding any additional post and packing).

Fitting the *Chuffer*

Because this *Chuffer* is designed to fit a wide range of locos, it is impossible to give instructions so these are simply guidelines:

1. For the *Chuffer* to function correctly on an internally fired loco, the chimney must ideally have a minimum internal diameter of 9.5mm and an internal length of 47mm. This will ensure free gas flow round the *Chuffer* and ensure that the *Chuffer* can operate correctly.
2. When setting the position of the *Chuffer*, ensure that the entire sounding slot is inside the chimney – this may mean that the top of the *Chuffer* is within a millimetre or so of the top of the chimney. If there is plenty of chimney length, then ensure that the entire *Chuffer* is inside the chimney.
3. If it is necessary to cut your exhaust, then ensure it is firmly supported.
4. When fitted, ensure that the *Chuffer's* sounding slot is clear of the chimney wall so that it is not muffled. The top of the *Chuffer* is marked with a line to show the position of the slot.
5. The 5/32" brass tube fitted to the *Chuffer* may be shortened by carefully cutting with a fine hacksaw or cutting disc (always wear appropriate eye protection if using the latter). Please remember that the brass will be soft and must be properly supported for cutting.
6. This tube is a nice push fit on to the 1/8" exhaust but to ensure a good fit, allow 20mm or more of overlap. If it is loose, then a slight bend in the copper exhaust pipe will hold it firm.
7. Because the *Chuffer* directs the steam and oil (where a lubricator is fitted) downwards, ensure that there is a suitable drain hole in the bottom of the smoke-box. This may need to be drilled.
8. The top of the *Chuffer* can be disguised with a little matt black paint.
9. And finally remember that slow running and a good load gives the best chuff!

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Please check out our website for the latest *Chuffer* news, information and videos
www.summerlands-chuffer.co.uk