



### Safety Warnings

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Samco advise that hoses and clamps are fitted only by a qualified professional mechanic or shop.

Samco® hoses are intended for replacing OEM/stock radiator or turbocharger hoses. Samco hoses are never suitable for replacing brake, pressure oil or power steering lines. Standard Samco hoses are not suitable for fuel or oil use unless the item is specifically described as being suitable for such on the packaging.

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Before installing, inspecting or cleaning this product please ensure the following safety precautions are taken:

1. Ensure vehicle/bike is suitably parked and wheel chucked (rear wheel stand should be used for bikes). Refer to owner's manual and follow all safety advice before beginning work on the vehicle/bike.



**SERIOUS INJURY can result from unexpected vehicle/bike movement.**

2. Ensure engine is switched off, and battery is disconnected (Refer to owner's manual) to prevent any fans, pre---heaters or other mechanisms activating.



**SERIOUS INJURY can result from unexpected movement of engine parts.**

3. Allow engine, coolant system and all pipe work to fully cool before commencing removal/installation of hoses.



**SERIOUS INJURY can result from hot engine parts or coolant fluid.**

(Please note, coolant fluid can retain heat for several hours after engine has been switched off. Samco advise waiting at least 8 hours after stopping engine to allow system to cool)



## Fitting Advice

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Congratulations in choosing products from Samco®Sport - The World Leader in Performance Silicone Hose.

To ensure you get the very best lifelong performance from your product, please follow the fitting advice below.



**Samco advise that hoses and clamps are fitted only by a qualified professional mechanic or shop.**



**Before commencing installation, ensure all safety warnings listed in the owner's manual and those on page 1 of this leaflet have been heeded.**

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1. **Ensure engine & coolant is fully cooled**, remove OEM/stock hoses one at a time and replace with the equivalent shaped Samco hose as you go.
  2. Care must be taken to drain and dispose of the old coolant fluids. Please ensure local environmental laws are observed when disposing of any fluids and old hoses.
  3. Ensure the Samco hoses are fully engaged onto pipework. The clamp must be position at least 1/8" (3mm) down from the open end of the pipe-work, and behind any bead or lip on the pipe-work. Ensure the clamp is fully seated on the hose with at least 1/8" (3mm) of hose protruding past the clamp.



**If any hose fitted is too short (i.e. does not offer sufficient hose length beyond the pipe bead and under the clamp) DO NOT USE** - please return to your dealer immediately - if a hose does not have sufficient clamped length at each end, it may 'blow off' or leak during pressurised use.

**Serious injury may result from escaping coolant.**



**If any hose appears too long, DO NOT ATTEMPT TO FIT by kinking or folding the hose**, return to your dealer immediately. **Serious engine damage may result if coolant flow is restricted due to kinking or folding hoses.**

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4. Ensure care is taken not to damage the lining of the hose when installing the hose over the pipe ends. Do not lubricate hoses in order to fit onto pipework. If fitment is tight, use only plain cool water to help facilitate fitment.
5. Samco does not recommend re-using old clamps, instead the corresponding Samco Clamp Kit should be used. Please contact your dealer for details.



Clamps with perforated bands and/or sharp edges **MUST NOT** be used



Genuine Samco Clamps with solid bands, & smooth-rolled edges are recommended



**Re-used or non-Samco clamps may invalidate Samco's warranty.**

6. Samco Clamps should be tightened to the following torque setting  
3Nm (2.2ft/lb) for size 12-20  
5Nm (3.7ft/lb) for size 22-45  
6Nm (4.4ft/lb) for size 50+  
They should be tested again to this torque setting 30 minutes after installation to allow for any stress-relaxation in the silicone.



**Avoid over-tightening, which may cut the hose & damage the pipe-work**

7. Ensure that the hoses do not rub or chaff against any part of the vehicle/bike. Rubbing or chaffing of the hose could cause a leak of hot coolant fluid.



**Serious injury may result from escaping coolant.**

8. When re-filling with coolant, ensure that the vehicle/bike manufacturer's instructions for re-filling coolant are followed. Samco recommend that only Ethylene Glycol based coolants are used.



**Please note, other coolants and additives may invalidate the warranty.**

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9. Inspect for any sign of leaks in a safe & controlled idling situation before the vehicle/bike is driven/ridden. If leaks are found around hose ends, **observe all safety precautions from page 1**, and check hose fitment and clamp torque. Do not use vehicle/bike if leaks persist - contact your dealer.
10. Periodically clean hoses using 'SamcoSport/Autoglym Silicone Hose Wipes'. Do not use any harsh cleaners, polishes or any petroleum derived products - **ensure safety precautions 1-3 on page 1 are observed when cleaning hoses.**



## Disclaimer

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**Samco (Silflex Ltd) hoses, clamps and accessory products are intended for racing use only, for vehicles/bikes which are in the original manufacturer's form, without modification.**

**Samco (Silflex Ltd) do not make any guaranteed warranty of merchantability, performance or fitness for a particular function or application.**

**Samco (Silflex Ltd) do not accept any responsibility for any indirect, consequential or incidental loss or damage resulting from any use, misuse or failure of the products.**

**Samco ® is a registered trademark of Silflex Ltd (UK)**

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## Warranty

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### EXTENDED LIFETIME WARRANTY

**Silflex Ltd (DBA SamcoSport) warrants each new Silicone Hose against defects in manufacture, material and workmanship, whilst installed into the original OE engine for which the hose was designed for, in the original vehicle for which the kit was purchased, for as long as the original purchaser owns the Silicone Hose.**

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In the case of SamcoSport Silicone Hoses Kits that are installed into an application used for any form of competition, or installed into a customised or modified application, SamcoSport warrants each hose against defects in manufacture, material and workmanship for a period of 2 years from the date of purchase.

In the case of SamcoSport hose accessories including Joiners, Blow of Valves, Valve Fitting Kits, Clips, Ducting and Vacuum Tube, SamcoSport warrants each hose against defects in manufacture, material and workmanship for a period of 1 year from the date of purchase.

SamcoSport will replace or repair, free of charge, at its sole discretion, for each qualifying original purchaser, any defective Silicone Hose or accessory which is returned to SamcoSport and which is not excluded from the warranty benefits of this warranty.



### **Important Exclusion from Warranty Coverage**

To qualify for the extended warranty the original purchaser must complete the 'warranty registration form', which is available on the SamcoSport Website [www.samcosport.com](http://www.samcosport.com).

***The form must be returned to SamcoSport within 30 days immediately after the purchase date.***

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**Important: The Warranty will be voided or inapplicable to any Silicone Hose:**

1. Which is not bought new and un-used directly either from SamcoSport or a distributor or dealer authorised by SamcoSport to distribute the Silicone Hose in the territory of purchase; or
2. Which is degraded, damaged or deteriorates due to fair wear and tear within parameters of high-performance use; or
3. Which is damaged or broken due to careless or inappropriate installation or removal; or
4. Which is installed or used in any vehicle or manner for which it is not specified by SamcoSport; or
5. Which is modified altered reconfigured or disassembled in any manner by any person other than SamcoSport after it has been manufactured by SamcoSport.
6. Which has had its SamcoSport-stamped part number tampered with or removed.
7. Which has been utilised in an application which exceeds Silflex standard operating parameters as set out below
8. Which has suffered only cosmetic damage or deterioration, including but not limited to, colour changes, logo fading or cosmetic surface degradations.
9. Which has suffered any form of mechanical damage from physical contact with other parts of the application, for example abrasion, over over-tightening of clips.
10. Has suffered any damage resulting in a failure by the owner to follow Silflex's recommend care, cleaning & maintenance instructions for Silicone Hoses

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## **Silicone Hose Standard Operating Parameters**

SamcoSport hoses are warranted whilst used on the vehicle for which they are intended, in the vehicles original form & specification. If any aspect of the vehicle is varied beyond the Original Equipment specification, this may invalidate the warranty (for example changing water pumps, intercoolers, radiators and engine layout, could invalidate the warranty.)

SamcoSport does not warrant its hoses when used with non-ethylene-glycol based coolants (Organic acid technology-based coolants, and coolant additives are specifically excluded from this warranty)



## **Warranty Claims Procedure**

If making a claim for replacement or repair, you the original purchaser must contact the retailer from where you bought the Silicone Hose.

You will require proof of purchase and copy of your warranty registration form.

SamcoSport need not honour the warranty if all the requisite evidence of original purchase is not supplied by you.



## **Limitation of Liability**

Save in the event of death or personal injury caused to any person a national or resident of a member state of the European Union by any negligent act or omission of SamcoSport, SamcoSport excludes to the fullest extent permitted by law any liability to the purchaser of a Silicone Hose or any person claiming through that purchaser and SamcoSport accepts no obligation to bear any labour costs or other costs of return, removal and/or installation and will not be liable for any special, incidental, or consequential damages, including loss of use of any vehicle. Each purchaser acknowledges that motor racing is a dangerous sport and that he or she is responsible for taking and will take all necessary safety measures to minimise the risk of injury loss or damage arising from the use to which a Silicone Hose is subjected. Silflex recommends that all silicone hoses are installed by qualified fitters, and care should be taken to ensure all engine components and coolants are cool before attempting to remove or install a Silicone Hose. Installers should respect all local environmental regulations when disposing of old hoses or coolants.

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The Warranty is in addition to, and the limitations and exclusions in this Warranty do not limit, the minimum statutory rights of consumer purchasers in the European Union, where those may exceed the limitations in any particular instance. This warranty and limitation of liability is governed by English Law. The terms of this warranty extend to all Silicone Hoses sold with this warranty form. SamcoSport reserves the right to vary or alter the terms.

PLEASE RETAIN FOR YOUR RECORDS.