

## Just cool it – with Thermotec

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Keeping automotive control systems at a safe operating temperature in an age where everything from ignition timing to tyre pressures is electronically managed is critical, and being able to prevent excessive heat build-up around sensitive ECUs is vital in ensuring long-term reliability.

Turbochargers glow red-hot under load and generate massive under-bonnet temperatures. To help control this, Automotive Technology Specialists (ATS) of Johannesburg has expanded its Thermotec range to include a new turbocharger cover designed specifically for the widely-used Garrett

T3 and T4 blowers as fitted to a multitude of sports utility vehicles as well as a number of performance hatchbacks. In addition, ATS also carries a range of both universal and model-specific turbo insulating kits.



These kits work in two ways: not only does it create a physical barrier between the turbo and the under-bonnet environment, but also boost power by keeping heat inside the exhaust system, thereby improving the scavenging effect and causing gases to be literally sucked out of the combustion chamber – which makes way for a fresh air/fuel mixture to get in. This improved efficiency and can also have a positive effect on fuel consumption.

Another happy by-product of this is reduced turbo lag which will please those starting to remember just how hot and thin the air can get in summer, especially on the Reef. Heat is no problem for Thermotec and it is designed to withstand a continuous 1 000 degrees Celsius barrage without failing.

ATS stocks a broad range of Thermotec heat control products intended to protect and improve standard, modified and motorsport vehicles. For example, on many SUVs fitted with a long-range fuel tank the enlarged tank often passes closer to the exhaust system than the manufacturer intended, but with Thermotec's clamp-on heat shield there is a quick and easy fix to this worrying problem.

There are also a number of dedicated products to solve specific problems in the motorsport environment: where exhaust systems run close to brake lines a combination of Thermotec exhaust insulating wrap (the original product which has been keeping heat inside the exhaust system or racing cars for more than 20 years) along with a length of heat-reflecting Thermo-sleeve remains a popular way to prevent brake fluid from being subjected to excessive heat.

In the South African Summer, keeping your cool may require an additional blast under each armpit with a can of anti-perspirant before stepping out the door, but your performance car or SUV is going to require a whole lot more...Thermotec provides the answer. Find out more about Thermotec at [www.thermotec.com](http://www.thermotec.com).

