

The influence of the air filter location on the intake system temperature in the case of engines for drifting

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Abstract

This paper presents a comparative study regarding the influence of the air filter location on the intake system temperature in the case of engines for drifting. The heat flow dispersion map at the engine compartment was determined for four different cases. The measurements were performed with a thermographic camera in the area of the air filter and intake manifold. The results obtained after the test contribute to the efficiency of the thermal management of the engine by reducing the temperature of the intake air.

Keywords: air filters, engines, drifting

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