

# Car intercooler



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### **Braze welding car intercooler**

Model: DL-E002

Core Size: 183×189×85

OEM NO.: 1J0145805B

Applicable auto model: AUDI A3 96-01

SEAT LEON 1.9 TDi M/T 99-02

SEAT TOLEDO M/T 99-03

SKODA OCTAVIA M/T 96-02

VOLKSWAGEN GOLF M/T 97-01

VOLKSWAGEN BORA M/T 98-02

### **Car intercooler:**

Today, the automobile manufacturer not only need satisfy strict environmental protection request, but also should guarantee the driving pleasure. The exhaust turbine supercharger improves combustion efficiency of fuel oil and reduces exhaust emission. You will also not lose the driving pleasure with exhaust turbine supercharger. Provided more air to the combustion chamber by turbo-charging, the burning completely and the exhaust emission is clean. Compared with natural aspiration engine in the same power, the CO<sub>2</sub> emission quality of a gasoline engine is less 10-20%. Also, the exhaust turbine supercharger can also satisfy the air demands in high altitude area, three-way catalyst also start to work more quickly in cold starting.

Although the exhaust turbine supercharger improves the engine's power, it increases the compressed air to high temperature, because: 1. In the process of improving intake pressure, the air is compressed, the temperature is increased. 2. The high temperature of exhaust gas is conducted to

compressed air by compressor. The density of gas reduces if improves the temperature, it decreases combustion efficiency because there aren't enough air; Also, the engine may be damaged due to the detonation and preignition of mixed oil-gas. The car intercooler is a radiator for cooling superheated gas. The car intercooler carries off compression pad of compressor, it also reduces the compressed air of supercharger. The car intercooler improves the engine's power by increasing the oxygen quantity in cylinder. There always a car intercooler in turbine supercharger to cooling the air of engine. It is installed between turbo supercharger and damper.