

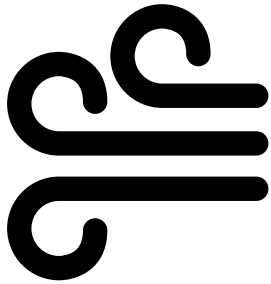
# MAHLE<sup>®</sup> ORIGINAL



Every MAHLE Original turbocharger meets **OE standards** for **quality and performance**



**TURBOCHARGERS**  
A growing market...



More air means enhanced performance

OE vehicle manufacturers have identified turbos as the way to reach the strict CAFE standards for minimum fuel mileage

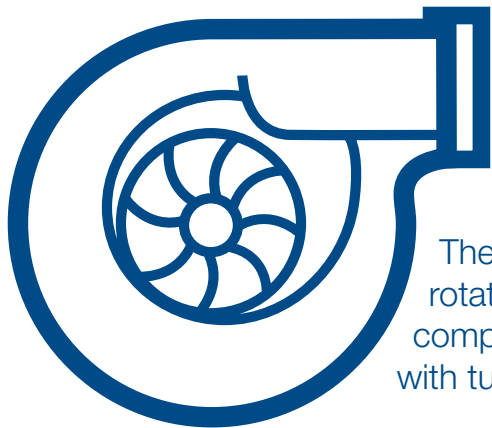


**PERFORMANCE**

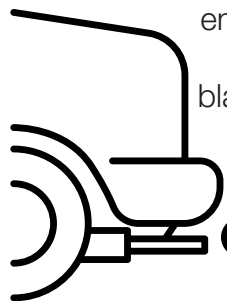
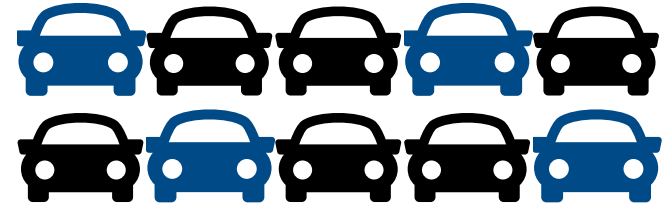
**FUEL CONSUMPTION & EMISSIONS**

**40%**

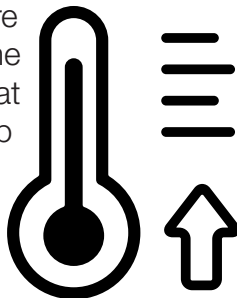
of all new vehicles in the U.S. are projected to be turbocharged by 2019



The core of the turbocharger central housing rotating assembly (CHRA) consists of the compressor wheel, bearings/bushings, and shaft with turbine wheel



engine exhaust gases are supplied to the turbine blades or turbine wheel at high speeds up to 300,000 RPMs and temperatures around 1800° F



Achieve   
**6cYL**  
**PERFORMANCE**

from a 4 cylinder engine without increasing fuel consumption

MAHLE Original turbocharger prefixes are:

- TC** = Turbocharger
- TS** = Turbo Service Kit
- TP** = Turbo Pedestal
- TA** = Add-on Kit