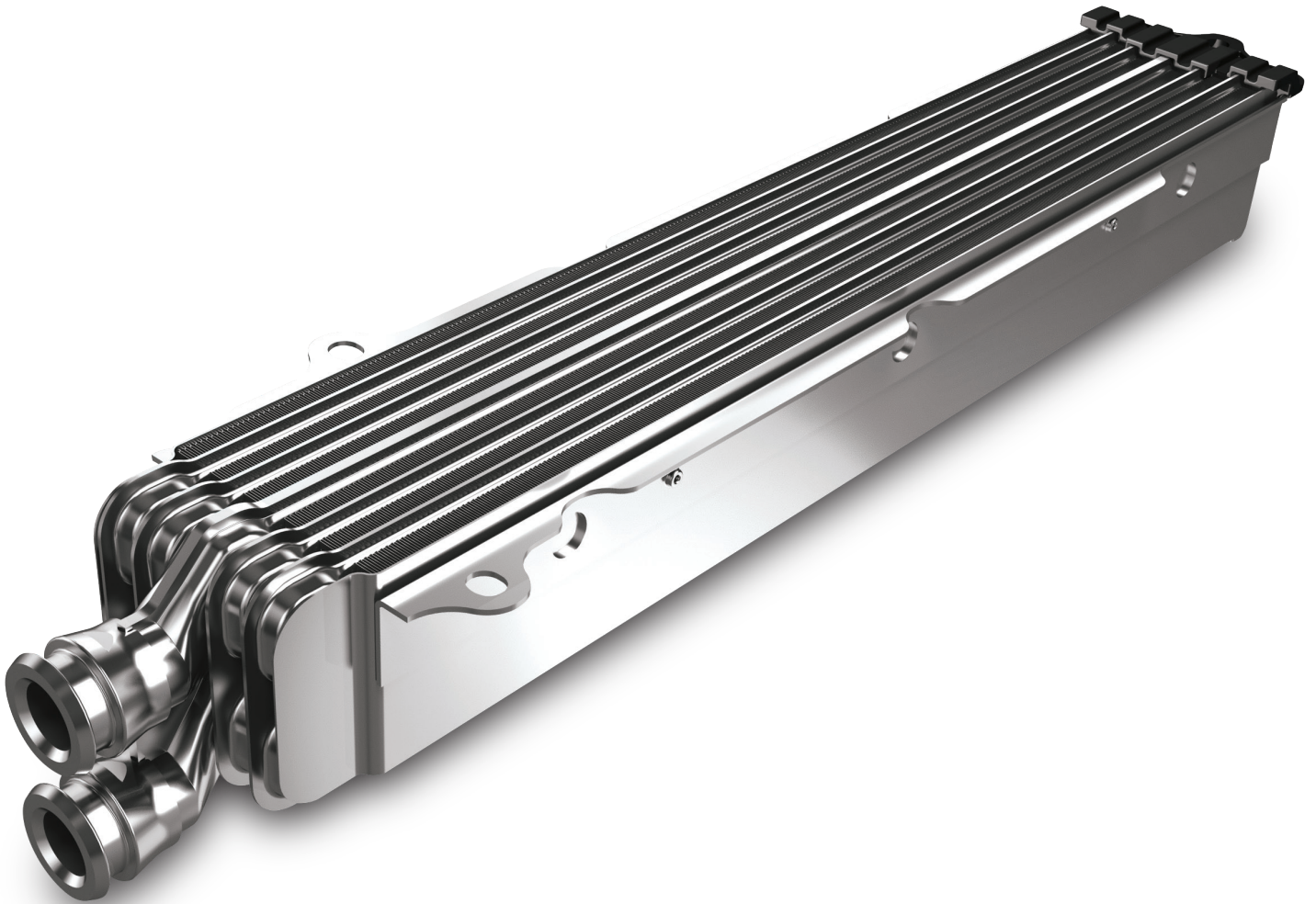




LONG[®]

Thermal Products

Liquid-Cooled **Charge Air Coolers**



Improve Fuel Economy Without Sacrificing Performance

OEMs seeking smaller, more fuel-efficient engines that still pack a powerful punch can rely on Dana's customized liquid-cooled charge air coolers, which maximize cooling while helping to reduce turbo lag by as much as 75 percent.

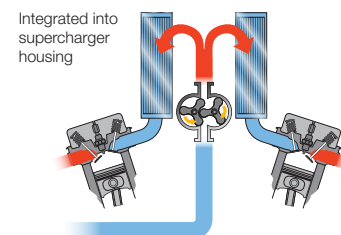
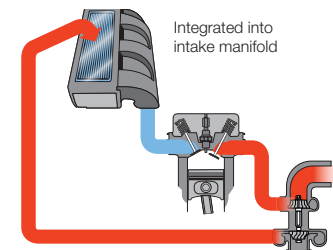
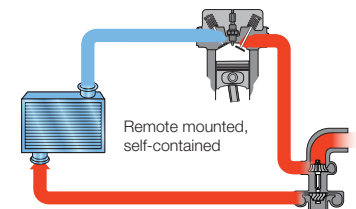
Ideal for both gasoline and diesel engines, liquid-cooled charge air coolers help engines deliver more power and torque at lower vehicle speeds and throughout the operating range – requiring 25 percent less package space and offering 10 percent greater heat rejection than competing coolers.*



Customized Cooling Solutions

Fused together via Dana's proprietary fluxless brazing process, our stacked plate technology – plus air and coolant side enhancements – ensure that drivers feel an immediate response when accelerating. With heat transfer efficiency approaching 100 percent, liquid-cooled charge air coolers bring greater durability and reduced emissions to engines in light, commercial, and off-highway vehicle applications.

Unlike air-to-air coolers that are often packaged in front of the radiator, this technology is available in several configurations that can be packaged anywhere within the engine compartment, including:



With deep expertise and problem-solving ability in thermal-management applications, Dana provides solutions for turbocharged and supercharged vehicles that are customized to exact OEM needs.

**Per 2015 model year application*

***Dependent upon competitive model and configuration*

Dana.com/light-vehicles

Application Policy

Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.



LONG®

Thermal Products