

TRUE OE | Fit Form Function

Power steering coolers are designed by the OE manufacturer to perform a specific job that differs from vehicle to vehicle. These vehicle specific tolerances are what makes it so important to replace the power steering cooler with as close to an OE match as possible. The all-new Edelmann Elite™ coolers are designed and built to the genuine OE specifications to ensure performance with exact form, fit, and function to that of the OE unit being replaced.

Watch our in-house, ASE Certified Technician describe the Edelmann Elite difference.



FIT:

Exact match OE bracket designs are used to simplify the installation process. Other aftermarket coolers and universals have varying designs that don't allow for - or even prevent - installation in the manner designed by the OE. The Edelmann Elite cooler mounts are designed to install in the exact way in which the OE cooler was removed. Additionally, this ensures that the cooler is positioned correctly to receive the prescribed amount of air flow over the surface of the cooler and without blocking other vehicle components.

FORM:

Unlike the competition, Edelmann Elite coolers use the original, single tube design to prevent introducing new failure modes into the system and maintain consistent pressures across the cooler face. Adding joints and welds creates locations for debris and corrosion to disrupt the flow of the fluid over the course of use.

The cooling fins also remain true to the OE form to ensure that the tube is protected from road debris and that air passes through the cooler in the expected fashion while driving. Deviations from the OE style cooling fins can have knock-on effects on vehicle components even beyond the power steering system.

FUNCTION:

Most importantly, the form and fit meet up to ensure that the cooler is functioning as expected by the OE to cool the fluid to the prescribed temperature during vehicle use. OE fin and single tube designs allow for the cooler to dissipate heat for the correct amount of time as the fluid passes through. Other aftermarket designs alter the flow of fluid or have modified fins that under cool - and even over cool - the fluid, putting unnecessary strain on other components of the power steering system.

Beyond the visual differences between the OE and some aftermarket brands, there are some distinct features of the inner workings in the Edelmann Elite coolers that others have missed. Turbulators churn the fluid and actually reduce flows and pressures across the cooler for a combination of reasons. Without these turbulators, fluid is passing through the system before being properly cooled and pressures are increased over levels expected for the power steering pump. This simple device prevents further failures to the power steering system after a power steering cooler replacement.

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