

# HD+ ENGINEERED SOLUTIONS

Not Just Another Distributor, American Cooling Solutions Dedicated Team of Engineers is Solving Real World Problems Every Day!

American Cooling Solutions HD+ Products are Engineered for Durability and Performance with Features and Benefits Not Found in Other Aftermarket Products.



American Cooling Solutions offers this HD+ model for popular 2008 Volvo / Mack trucks. It features a special design to fit all trucks, even those manufactured after May of 2016. This includes those trucks that have been updated to the Modine radiator & frame. **Stock One Model and Cover them ALL!**



For more information and pricing, give us a call or drop us a note.

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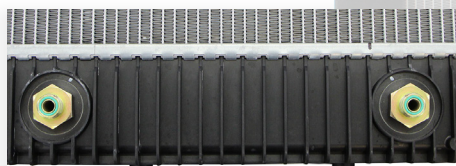


Air Fins are Hemmed Along Both Edges for Increasing Core Strength and Overall Radiator Durability

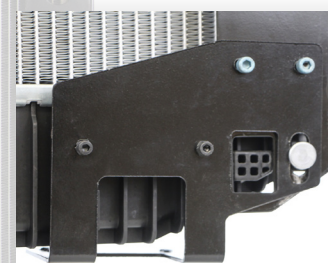


Preinstalled Frame Drop in and Go!

**HD+**



Adaptable Stainless Steel Oil Cooler Accepts All Hose Types



Included Bracket Covers All Models - Even Modine



Includes All Required Fittings - In the Box

#### **Case in Point:** 2008 and Newer Volvo VNL & VNM Series Truck Radiator (26046)

In 2016 Volvo's main radiator supplier had an employee walk-out. This caused a supply delay in both production and service parts. During that time there was an associated run on aftermarket parts for these radiators. Volvo was forced to find a secondary supplier and Modine won the bid. In order for Modine to expedite development, they re-engineered off of existing tank tooling. They also created a work around frame design to fit in the same mounting position. This included lots of bracketry and an "adaptor" set of fasteners and washers to get everything to mount up. This becomes a real problem anytime the radiator requires replacement. Traditionally, if you have a Modine version installed, you need to replace it with a Modine version. This is because the radiators, frames and bracketry are not interchangeable between versions.

Concurrently, Volvo engineers updated the oil cooler fittings in the radiator to an O-ring face seal type. Face seal fittings do prevent dirt and seepage so Volvo chose to supersede all older hose types to be updated to the new O-ring face seal type! As a result, not only do the customers with legacy models have to replace the OEM radiator but is also forced to "invest" into a new several hundred dollar hose set at the same time.

American Cooling Solutions heard our customers and set about in designing an innovative solution for a one fit model. We started by analyzing both the OEM and Modine models. The Modine version poses challenging bracketry so our engineering team added a bracket to replace Modine models preserving the correct oil cooler line mounting points. In parallel to this we developed a cooler conversion kit that is adaptable to cover all hose configurations. Resulting in a one fit model with all necessary adaptors and bracketry are included right in the box!

American Cooling Solutions provides real bottom line value to our customers, in addition to this innovative design comes all the regular features and benefits found in our HD+ line of radiators.

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