HOT PROBLEMS COOL SOLUTIONS

HEAT MANAGEMENT: KEY TO LONG TRANSMISSION & ENGINE LIFE

Heat is the ultimate enemy of the engine and transmission. Too much of it and you pay the price: poor truck performance, component damage…even total failure. What's more, heat can greatly impact operator comfort and performance.

However, heat is a reality in demanding indoor and outdoor IC applications. So, while reinventing the IC truck, Crown engineers focused on what customers told us: "Heat's killing our engines, transmissions and performance."

That's why the C-5 Series comes equipped (standard) with the Dual Open-Core Radiator. And, for the most demanding applications, Crown's exclusive On-Demand Cooling option effectively manages heat in intense and dirty environments.

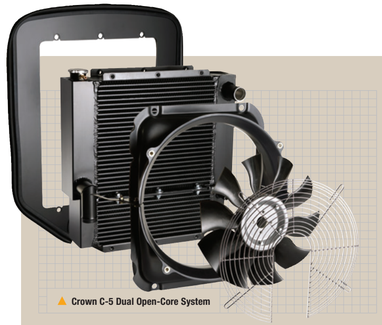
EXCEPTIONAL COOLING COMES STANDARD

THE C-5 DUAL OPEN-CORE RADIATOR: Crown's attention to detail pays off in the effectiveness of the cooling system. Crown's comprehensive approach delivers dramatically improved airflow and cooling effectiveness.

The heart of the system is the **Crown Dual Open-Core Radiator** that provides separate cooling for the engine and transmission and is standard on every C-5 truck.

The open-core design further supports temperature management by reducing the potential for debris build-up on the radiator.

In addition, other components in Crown's comprehensive cooling system ensure the engine and transmission remain cool, reducing the need for service and contributing to twice the expected powertrain life.



▲ Crown C-5 Dual Open-Core System

COMPREHENSIVE COOLING SYSTEM

- **RECIRCULATION SHIELD**
  Prevents hot air from reentering the radiator.
- **DUAL OPEN-CORE RADIATOR**
  Provides separate cooling for engine and transmission.
- **CUSTOM VENTURI SHROUD**
  Efficiently directs airflow throughout the entire radiator surface.
- **TEN-BLADE FAN**
  Increases airflow through the radiator.
- **DEBRIS GRILL**
  Prohibits large debris from entering the cooling system.

▲ **ON-DEMAND COOLING SYSTEM:** Unlike typical IC trucks, the Crown C-5 Series' fan has been relocated and is controlled independent of the engine. This enables more efficient cooling by pulling air through the radiator during operation. In addition, by reversing the fan rotation, air is pushed through the radiator, facilitating clearing.

CROWN'S REVOLUTIONARY ON-DEMAND COOLING OPTION

You've seen it before: it's the heat of the moment, you're pushing limits to get work done. The truck's too hot, now it's in slowdown mode. Not good for productivity or budgets since the damage can cost you thousands.

That's history. By looking at the problem from a new perspective, Crown engineered the optional On-Demand Cooling (ODC) System. It delivers the combination of PRECISE COOLING and RADIATOR CLEARING for better efficiency, increased uptime and cost savings.

What's more, with On-Demand Cooling, customers benefit from Crown's industry-leading, **24-month/4,000-hour radiator warranty.**

▲ **COMPETITOR RADIATORS** have limited abilities to prevent debris from accumulating on the radiator, causing uneven air distribution, inefficient cooling or possible radiator/engine damage.

PRECISE COOLING

MANAGE ENGINE TEMPERATURE THROUGH EXTREME CONDITIONS:
With the independent fan, Crown offers a common sense approach to heat management. Through Precise Cooling, fan speeds are automatically changed to manage engine and transmission temperatures.

Therefore, energy to run the fan is only used when necessary, increasing fuel economy.

Crown's uniquely-shaped counterweight louvers and patent-pending radiator seals ensure air is moved away from the truck.

THE BOTTOM LINE: Improved efficiency, extended service intervals and greater uptime.

RADIATOR CLEARING

REDUCE DEBRIS AND COST THROUGH RADIATOR CLEARING:
Think about it. How many times do your operators or technicians clean your radiators or skip cleaning them and expose you to failures? The answer may surprise you.

IC trucks literally vacuum debris from the warehouse floor, depositing it in the radiator where it accumulates day to day. Sure it can be cleaned, but the resulting downtime, lack of performance and truck failure add up.

By controlling the fan independent of the engine, fan rotation is automatically reversed to clear debris from the radiator with each engine start.

THE BOTTOM LINE: Cost savings and increased uptime.