



Hot Weather Truck Care Tips:

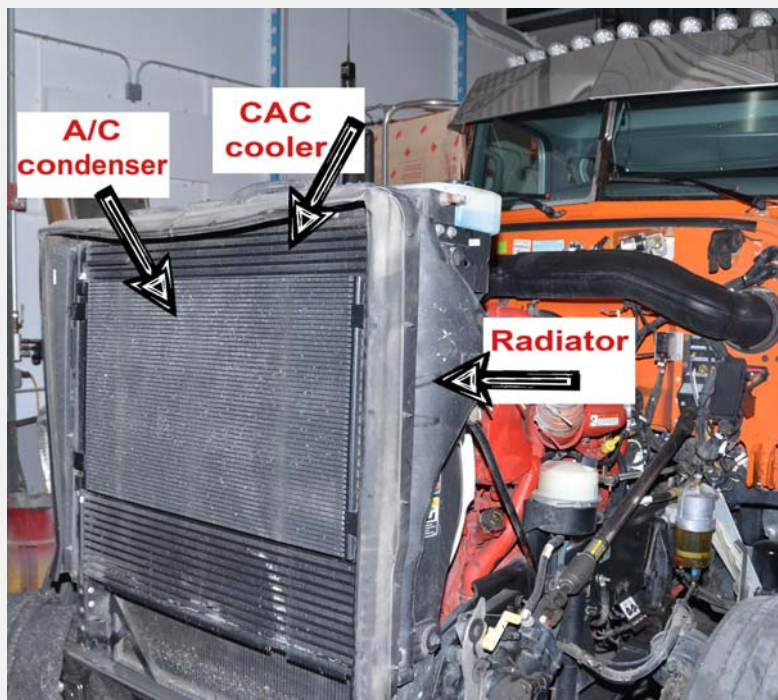


Keeping Your CAC Cool!

Truck Maintenance Tips from the Peterbilt Service Managers

The Charge Air Cooler (CAC) is an important component for good engine efficiency. This unit cools ambient air as it is injected by the turbocharger into the cylinder to boost horsepower and fuel economy, while reducing emissions.

A dirty or failed CAC can reduce engine horsepower up to 50% and cause exhaust emissions to climb outside limits. If unresolved, CAC problems can shorten the life of the turbocharger and the engine.



CAC SANDWICH... The CAC cooler is sandwiched behind the grille, between the air-conditioning condenser and radiator.

More CAC information can be found at this link:
https://www.dieselnet.com/tech/air_cool.php

The most common causes of CAC issues are stress from heat, turbocharged high-pressure air and vehicle vibration. The CAC cooler is sandwiched behind the grille, between the AC condenser and radiator.

Your truck's CAC should be cleaned and tested, recommended annually depending upon your truck's duty. If you drive a lot of dusty roads, the fan will draw in more dirt, which will plug up the coolers much faster.

You can notice plugging problems with rising engine temperatures and the fan running longer.

Hairline stress cracks in CAC tubes are often too small to see, though you may occasionally hear a whistling sound. Peterbilt factory-trained technicians use a test rig to locate CAC air leaks and ensure proper operation.