



# MOE'S OPERATING TIPS



**Moe Tarrabain**  
Director of Service Operations

## ENGINE AIR CLEANER & INTAKE SYSTEM

One of the most important systems on your commercial vehicle is the air intake system, which requires detailed attention when you do your own maintenance. If the air cleaner element becomes plugged, air can split the material of the cleaner element resulting in unfiltered air that will drastically accelerate engine wear.

Vehicles operating in conditions with high levels of dust, dirt and debris, may require more frequent service of the air cleaner.

The air cleaner element should be replaced according to the manufacturer's guidelines.

When the air filter element is removed from the canister, make sure you clean the canister. Pay close attention to the filter element and matting surfaces. Any contamination

between the rubber gasket and canister could prevent a complete seal, causing a leak path for dust intrusion. If not corrected, dust intrusion will progress to a major engine failure.

Also pay attention to all the rubber elbows, clamps and aluminium tubing to ensure there are no areas that could be an entry point for dust. While the turbocharger is under pressure, inspect the air intake side for leaks at clamps.

Never service the air cleaner element with the engine running, since this will allow dirt to enter the engine.

In vehicles equipped with a service indicator, the air cleaner element should be replaced when the yellow diaphragm enters the red zone or the red piston locks in the visible position. The indicator should also easily reset in less than three pushes.