

# Tech Tip



*From your friends at New York Bus Sales*

## **Product Affected-Diesel Engines with New Emissions**

- Complaint -** The exhaust manifold seems to be leaking as there is a black “soot” trail forming but there does not seem to be a leak-
- Cause -** With the new emissions not producing “soot” as in the past, when the engines are cold the metals may contract which may allow slight gaps (Especially in units with multiple piece exhaust manifolds) where, when the engine is started the exhaust leaks out and causes these streaks. Once the engines warm these voids in the parts are not seen due to metal expansion.
- Correction -** Make sure that you are checking for exhaust leaks with the engine at operating temperature – This way you know that the metals have expanded to their full size. Even with the slightest contraction and expansion when sealing these, the manifolds may again leak when cold and then seal when at operating temperature.



*Contact Our Service Department With Any Questions*

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