ABC COMPANIES
Exclusive U.S. VANHOOL Distributor

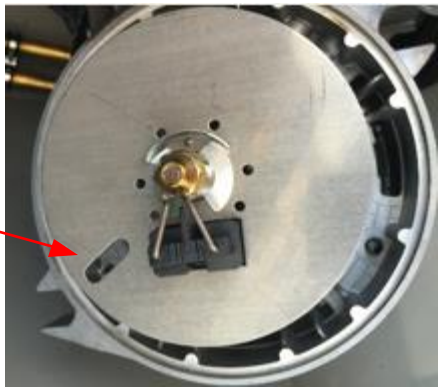
TECH TIPS
#1601

COACH MODEL :	All VanHool Coaches with Eberspacher Pre Heater units.
DATE :	2/2/2016
SUBJECT :	Pre Heater Maintenance

Espar Pre-Heaters require scheduled maintenance to properly operate. A visual inspection will confirm if the ESPAR unit is properly operating. While running, the unit should run smoothly, not smoke or emit a foul odor. If the unit is not operating properly, remove the burner head for inspection and refer to the maintenance manual which can be downloaded at **http://www.eberspaecher-na.com/**

After the burner head has been removed, meticulously inspect the nozzle, electrodes and heated nozzle wires. The nozzle and electrodes should be replaced at 600 hours or 1 year, which ever occurs first. Verify the metal heat shield is properly orientated so the flame sensor can see through the oval slot.

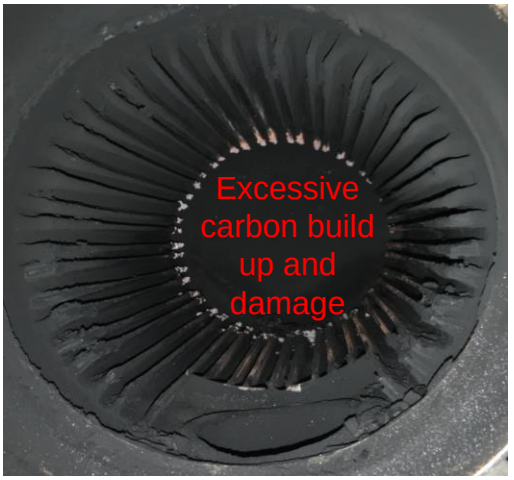
Oval slot for flame sensor

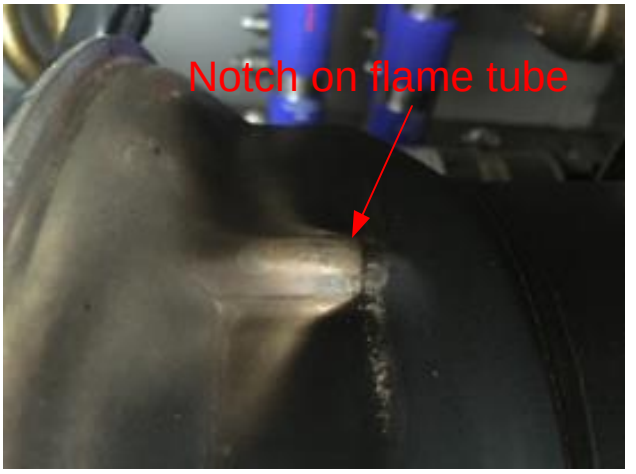




Plugged nozzle and melted electrode plugs

Remove the flame tube from the combustion chamber and inspect for excessive carbon and or damage to the fins. Clean or replace the flame tube / combustion chamber as needed. When re-installing the tube, verify the notch is lined up with the slot in the chamber.





CO_2 is a critical air adjustment and **should not** be adjusted on a regular basis. The Green paint dots are the factory setting.



After 5 unsuccessful attempts to start the ESPAR unit will lock out. Reference Tech Tip 1308 for unlock instructions.
Please visit the following links for more information.