


D2 Espar Heater Informational Bulletin		Salem Leasing
Information for Espar D2 diesel fired bunk heaters used as part of comfort cooling & heating in truck sleeper applications.		
<p>Basics</p>	<ul style="list-style-type: none"> The <i>AIRTRONIC D2</i> is a 12V or 24V, compact diesel-fired 7,500 BTU/hr air heater used to provide a dependable means of space heating. <i>It is not a TK or Carrier Product, though TK does support and sell parts at all their local Service Centers.</i> 	
<p>Common Problems</p>	<ul style="list-style-type: none"> When the heater is not used during long periods of time, debris/corrosion from previous seasonal use can restrict fuel supply for ignition inside the combustion chamber requiring replacement of internal parts. Combustion chamber seals will dry out quickly during non-usage times creating air leakage inside the chamber causing smoking, misfire and/or ignition issues. Fresh air intake, and exhaust leaks where the connections come through the floor become damaged, or break; will cause exhaust leakage into the bunk area; and air intake restriction that cause misfire and/or ignition issues. Fuel supply restrictions with damaged tubing; premature failure of fuel pumps from damage/misalignment of mounting under bunk. 	
<p>Special Maintenance Items to Include on the Truck PM</p>	<ul style="list-style-type: none"> Remove the glow pin and inspect for carbon build up. Clean or replace. <i>A 12mm/ 6 point deep well, slotted socket should be used to remove this Glow Pin — see page 30 of AIRTRONIC Manual.</i> Remove the glow pin screen and inspect for carbon build up. Replace. Make sure vent hole is open. Espar recommends the use of non-detergent 100% volatile carburetor cleaner, an air gun will also help. Remove loose carbon from the glow pin chamber. Inspect the ducting, the air intake screen and air outlet for restriction or blockage. Inspect combustion air intake and exhaust for blockage. Drivers should be encouraged to run heater for a minimum of 20 minutes monthly; technicians should run the heater every truck wet or dry PM cycle. Maintain your batteries and all electrical connections in good condition. With insufficient power the heater will not start. Low and high voltage cutouts will shut the heater down automatically. See the video <i>Service: Visual Inspection/Maintenance for specific instructions for servicing the D2 Espar Heater.</i> 	
<p>Training Video Links</p>	<ul style="list-style-type: none"> Overview of an Airtronic heater, including theory of operations, programming and operating instructions. Driver Based Instructional Video Service: A Visual Inspection/Maintenance Service: Ignitor & Atomizer Screen Service: Fan Blower Motor Replacement Service: Replacement & Cleaning of Fuel Pump. 	
<p>Downloadable Support Manual Links</p>	<ul style="list-style-type: none"> Espar Service, Operations & Troubleshooting Manual Espar Heaters Parts Catalogue D2 Parts Break Down for Basic Maintenance 	