

## Annual Inspections

<b>Annual VST ECS Membrane Processor Inspections and Replacements</b>					
<b>Component</b>	<b>Procedure</b>	<b>Fail Criteria</b>	<b>Corrective Action</b>	<b>Reference Manuals</b>	<b>Authorized Personnel</b>
Blower	Replace the blower every ten years or 15,000 hrs. (whichever comes first).			IOM - 11	VST ASC Level C
Vacuum pump	Replace pump every ten years or 15,000 hrs. (whichever comes first).				
Vacuum pump drive coupling - rubber insert	Visually inspect the drive coupling between the vacuum pump and the motor for wear	Rubber debris is found on or around the vacuum-pump base.	Replace the drive coupling rubber insert	IOM - 11	
Heat Trace Cable	Check the continuity of the heat trace cable.	If the heat trace cable circuit is open, the cable has failed.	Replace the heat- trace cable	IOM - 11	
HC Sensor	Test the HC sensor	The difference shall be within $\pm 1.0\%$ HC concentration from the calibration gas concentration for zero and mid-range gas and $\pm 2.0\%$ for the high-range gas.	Replace the HC Sensor	IOM - 11 and Exhibit 8	

## Preventative Maintenance Checklist Form

Component	Frequency	Date Inspected	Completed	Required Action Items
<b>VST ECS PROCESSOR</b>				
	Yearly			
<ul style="list-style-type: none"> <li>Inspect drive coupling on the vacuum pump.</li> </ul>			[ ]	
<ul style="list-style-type: none"> <li>Check the continuity of the heat trace cable.</li> </ul>			[ ]	
<b>RECIRCULATION BLOWER</b>				
Replace every 10 years or 15,000 hours, whichever comes first.			[ ]	
<b>VACUUM PUMP</b>				
Replace every 10 years or 15,000 hours, whichever comes first.			[ ]	