



TA*/TF* Series Electric Heated Oven Preventative Maintenance Schedule

Job Name: _____ Model # _____ Serial # _____

Service Technician: _____ Customer: _____ Date: _____

Item Description	Reading or Setting	Comments	Months Of Operation				Completion Date & Initials
			1	3	6	12	
1. Measure and record the line and control voltages – if the voltage is +/-10% of the specification on the equipment nameplate discontinue use and take corrective action. <i>* Measure voltage line-to-line, example L1 to L2.</i>	L1-L2= L1-L3= L2-L3= X1-X3=					X	
2. Measure and record recirculation fan motor amps – motor amps will give a rough indication of fan efficiency, a reduction in motor amps of more than 15% at ambient temperature, could indicate improper loading or a restriction in the recirculation blower fan or duct work.	T1= T2= T3=					X	
3. Check the rotation of the recirculation fan. Verify it is rotating in the proper direction.	CCW				X		
4. Check recirculation blower fan "REC" airflow switch operation and adjustment – record setting.	"WC				X		
5. Lubricate recirculation blower fan bearings (belt drive option) – use good quality lithium grease, DO NOT OVER LUBRICATE! <i>Typically 1 to 2 shots each fitting.</i>			400 Hours				
6. Lubricate recirculation blower fan motor bearings – use good quality lithium grease, DO NOT OVER LUBRICATE! <i>Typically 1 to 2 shots each fitting.</i>			400 Hours				

Item Description	Reading or Setting	Comments	Months Of Operation				Completion
			1	3	6	12	Date & Initials
7. Inspect recirculation motor housings and housing vents – make sure they are clean and free of dust or dirt; grease or oil buildup to insure motor does not over heat. DE-ENERGIZE LINE POWER PRIOR TO CLEANING!					X		
8. Inspect recirculation blower fan belts (<i>if applicable</i>) – check belt tension and alignment, check belts for cracks, glaze or unraveling. Replace belts as required to insure safe operation. DO NOT REMOVE GUARDS WHILE FAN IS IN OPERATION! Replace guard when finished.					X		
9. Inspect recirculation blower fan while in normal operation for excessive vibration. Excessive vibration will shorten bearing life and if severe enough cause structural damage to blower wheel, drive shaft or drive support and should be corrected as soon as possible.					X		
10. Measure and record exhaust fan motor amps (<i>if applicable</i>) – will give a rough indication of fan efficiency, a reduction in motor amps of more than 15% at ambient temperature, could indicate a restriction in the exhaust blower fan or stack piping.	T1= T2= T3=					X	
11. Check the rotation of the exhaust fan. Verify it is rotating in the proper direction.	CCW				X		
12. Check exhaust blower fan "EXH" airflow switch operation and adjustment – record setting.	"WC				X		

Item Description	Reading or Setting	Comments	Months Of Operation				Completion
			1	3	6	12	Date & Initials
13. Lubricate exhaust blower fan bearings (belt drive option) – use good quality lithium grease, DO NOT OVER LUBRICATE! * Typically 1 to 2 shots each fitting.			400 Hours				
14. Lubricate exhaust blower fan motor bearings – use good quality lithium grease, DO NOT OVER LUBRICATE! * Typically 1 to 2 shots each fitting.			400 Hours				
15. Inspect exhaust motor housings and housing vents – make sure they are clean and free of dust or dirt; grease or oil buildup to insure motor does not over heat. DE-ENERGIZE LINE POWER PRIOR TO CLEANING!					X		
16. Inspect exhaust blower fan belts (<i>if applicable</i>) – check belt tension and alignment, check belts for cracks, glaze or unraveling. Replace belts as required to insure safe operation. DO NOT REMOVE GUARDS WHILE FAN IS IN OPERATION! Replace guard when finished.					X		
17. Inspect exhaust blower fan while in normal operation for excessive vibration. Excessive vibration will shorten bearing life and if severe enough cause structural damage to blower wheel, drive shaft or drive support and should be corrected as soon as possible.					X		
18. Measure and record heater amps - this will give a rough indication of heater performance. A reduction in heater amps of more than 15% at ambient temperature would indicate a heating system malfunction.	H1-H2= H1-H3= H2-H3=				X		

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			1	3	6	12	Date & Initials
19. Check purge cycle operation and record purge timer setting (if applicable).	MIN				X		
20. Inspect control and high-limit thermocouple location – verify that it is in the supply air stream to best sense changes in discharge temperature rapidly.					X		
21. Check oven temperature with a certified thermocouple meter. Make sure control display is within tolerance of measured temperature.					X		
22. Check hi-limit controller calibration with an input signal from a certified thermocouple simulator. Record test temperature.					X		
23. Inspect all electrical connections – wiring terminations should be secure; fuse holders should hold fuses securely in place.					X		
24. Inspect all electrical grounding connections – wiring terminations should be secure and verify grounding integrity of grounding system.					X		
25. Inspect fresh air and exhaust dampers – make sure they are clean and free of dirt or dust buildup, or of an obstruction and that the damper or cut-a-way has not changed in size or shape.	F/A= deg EXH= deg				X		
26. Inspect door seal – check for proper seating, damage or tears.			X				

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27. Inspect door operation – doors should open easily and close securely, without jerking or slamming.			X				
28. Inspect control cabinet cooling fan and cooling intake and exhaust air openings (<i>if applicable</i>) – make sure they are clean and free of dirt or dust buildup, or any obstructions.				X			
29. Inspect supply and return air louvers/openings, interior oven surfaces and fresh air and exhaust openings – should be secure, and make sure they are clean and free of dirt or dust buildup, or of any obstruction.					X		
30. Inspect control cabinet electrical components – make sure they are clean and free of dirt or dust buildup. DE-ENERGIZE LINE POWER PRIOR TO CLEANING!					X		
31. Lubricate door latch and hinges – 2 to 3 drops of SAE #20 non-detergent oil. Clean us any excess oil.					X		
32. Measure time to temperature – with oven empty and at ambient temperature, ramp oven to normal operation temperature, record time in minutes. Causes for increased ramp times are; change in dampers settings, reversed recirculation blower fan rotation, reduced burner output, restriction in recirculation blower fan or ductwork, return or recirculation collar leaks.					X		