

Maintenance Instructions: Aprilaire Models 550, 550A, & 558



1. Note the Humidifier Control setting and turn dial to the "OFF" position.
2. Turn off water supply. Move the integral bypass damper (10), if present, to the SUMMER position.
3. At the side of the humidifier opposite the airflow duct, pull front cover (1) off holding with both hands and set aside.
4. Carefully pull the feed tube (2) out of the nozzle (3) at the top of the evaporative assembly (4). Pull this assembly out by grasping at the top and tipping out.
5. Remove the distribution tray (5) from the Water Panel evaporator assembly (4) by unsnapping the plastic ends of the scale control insert (8), from the tabs at the end of the tray. Follow the instructions below depending upon the type of distribution tray in your humidifier.
 - a. **For trays with a synthetic fabric liner:** Lightly scrape out or brush off any mineral deposits, being careful not to stretch or loosen the synthetic fabric liner. Soaking the tray in vinegar or a lime-removing agent is helpful when trying to remove stubborn mineral deposits.
 - b. **For trays with granular coating: Do not scrape off the granular coating,** but lightly scrape out any mineral deposits and clean the "V" notches (6). This textured surface helps ensure even water flow for maximum performance. If the granular coating has been removed, place several drops of liquid dishwashing soap on the distribution tray. This will only need to be done once if there is no granular coating.
6. Slide the Water Panel evaporator (7) out of the scale control insert (8). Clean the scale control insert of mineral deposits. Slide the new Water Panel evaporator into the scale control insert with the colored spot up and snap the distribution tray (5) back into place.
7. Inspect feed tube (plastic only) by gently flexing it and looking for cracks or signs of wear. Replaced tube if it is cracked, brittle or has been damaged.
8. Reinstall the Water Panel evaporator assembly (4) into the humidifier by fitting its drain into the round receptacle at the base of the humidifier. Push the assembly in at the top against the beveled tabs that will hold it in place. Push the end of the feed tube (2) firmly back into the nozzle (3) and replace the front cover (1).

9. Remove the drain line (9) from the bottom of the humidifier. If applicable, flex it to loosen any mineral deposits or blockages. Then flush it with water under pressure. If it does not properly clear, replace it. Slip drain line back onto the drain fitting. Make sure the drain line has constant downward slope and is not flattened or blocked.
10. Turn on the water supply. Return integral bypass damper (10), if present, to appropriate position.
11. Check system operation:
 - a. **Manual Humidifier Control:** With the furnace blower operating, turn up manual humidifier control and check system operation.
 - b. **Automatic Humidifier Control:** (Automatic or Manual mode) Check system operation by turning the knob to "Test." With furnace blower operating, humidifier will operate for one minute. **DO NOT LEAVE IN TEST MODE AS HUMIDIFIER WILL NOT OPERATE.** For controls with Change Water Panel indicator light, turning knob to "Test/Reset" will reset Change Water Panel indicator.
12. Set Humidifier Control to its original position.