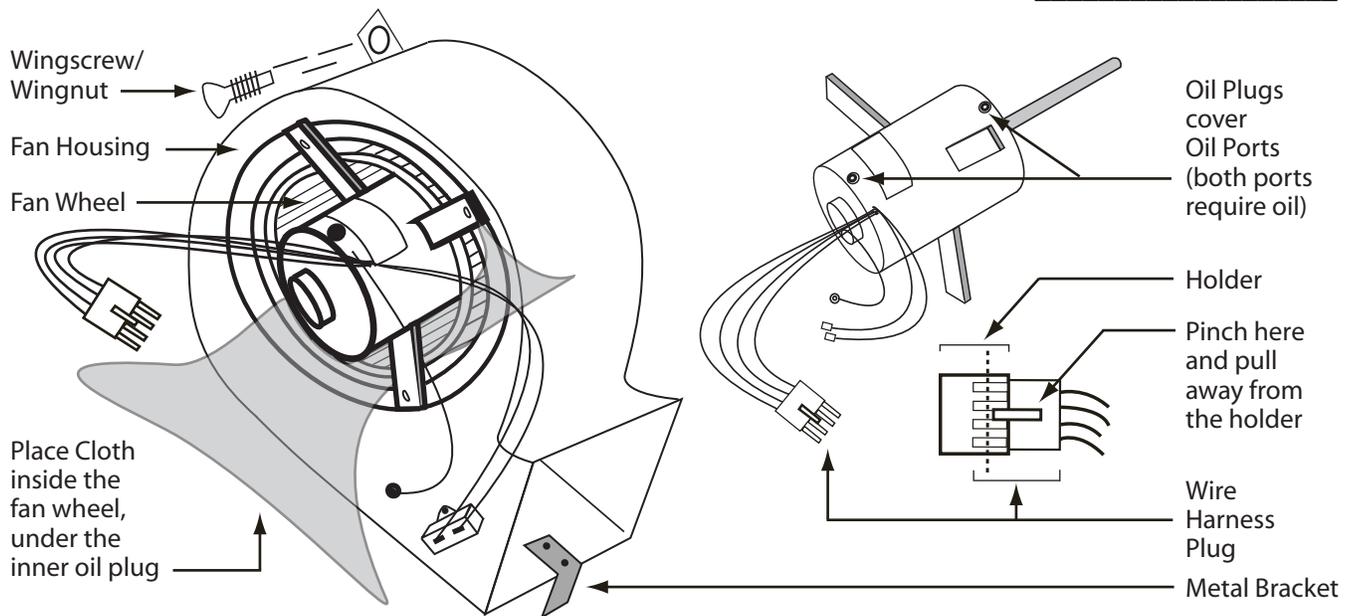


MODEL 2000 and 2000Plus HRV FAN ASSEMBLY: OILING & CLEANING



Oil should be added every 5 years. You will need a small, flat blade screwdriver; a clean cloth; a clean, 1" wide brush; a long screwdriver or a plastic straw cut in half lengthwise (see step 9); and the proper oil: **Use SAE 20 or 20W 20 weight non-detergent or electric motor oil.** The oil must have the correct viscosity and be free of automotive detergent/additives.

- Step 1. **ALWAYS UNPLUG THE HEAT RECOVERY VENTILATOR (HRV) BEFORE YOU BEGIN.**
- Step 2. Remove filters and core. EXCEPT for bottom fan of the Model 2000Plus (has 2 heat recovery cores): remove the 8 screws from the fan cover plate on the right end of the HRV.
- Step 3. Disconnect the wire harness plug from its holder. Earlier models have a 3-wire harness.
- Step 4. **CAUTION: SUPPORT BOTTOM FAN ASSEMBLY(F/A).** Undo wingscrew (or wingnut.) Older HRV's have 2 additional wingnuts, **or** a visible velcro strap (undo) **or** a 3" shipping stud (can be permanently removed). Newer HRV's have a right angle metal bracket (see diagram) that hooks around the outside of the HRV cabinet opening. Rotate the F/A to un-hook this bracket: when viewed from above, rotate lower F/A clockwise, and rotate top F/A counterclockwise. Note for 2000Plus: rotate lower 2000Plus F/A counterclockwise.
- Step 5. Use a clean, 1" wide brush to GENTLY clean the dust from each fan wheel.
- Step 6. Use a slightly damp cloth to carefully clean the accessible parts of the fan housings.
- Step 7. Each fan motor has TWO oil ports, one for each bearing. In newer models a plastic plug covers each oil port. Use a small, flat blade screwdriver to lift out the plugs. (Earlier models have oiler tubes with a cap; remove these caps.) Put plugs/caps aside to re-install later.
- Step 8. Orient fan assembly so the oil ports face upwards. Both oil ports require oil. Place cloth inside the fan wheel under the inner oil port to catch any spill. To oil the inner oil port, run the oil down a screwdriver blade. Or, cut a plastic straw lengthwise to guide oil to the port.
- Step 9. Use the correct oil. Do not over-oil. Oil does not run up-hill or down an uncut straw. For **EACH YEAR** run non-stop WITH NO OIL ADDED, **add 4 drops per each oil port.** EXAMPLE: **5 years x 4 drops per oil port = 20 drops per oil port (40 drops per motor).** Re-install plugs/caps. Wipe up any oil spillage. Let motor sit with oil ports facing up for at least 30 minutes so the oil can be fully absorbed by the wicks inside the motor ends.
- Step 10. Re-install the fan assembly: Fit the fan housing into the foam-lined cabinet opening. You may have to compress the foam to ease the fan housing back into place. Hook the metal bracket (if used) around the outside of the cabinet. Align the fan assembly with the wingnut mounting hole(s). Re-install the wingnut(s). Re-attach the velcro strap (if used). Re-connect the wire harness. Plug in the HRV.