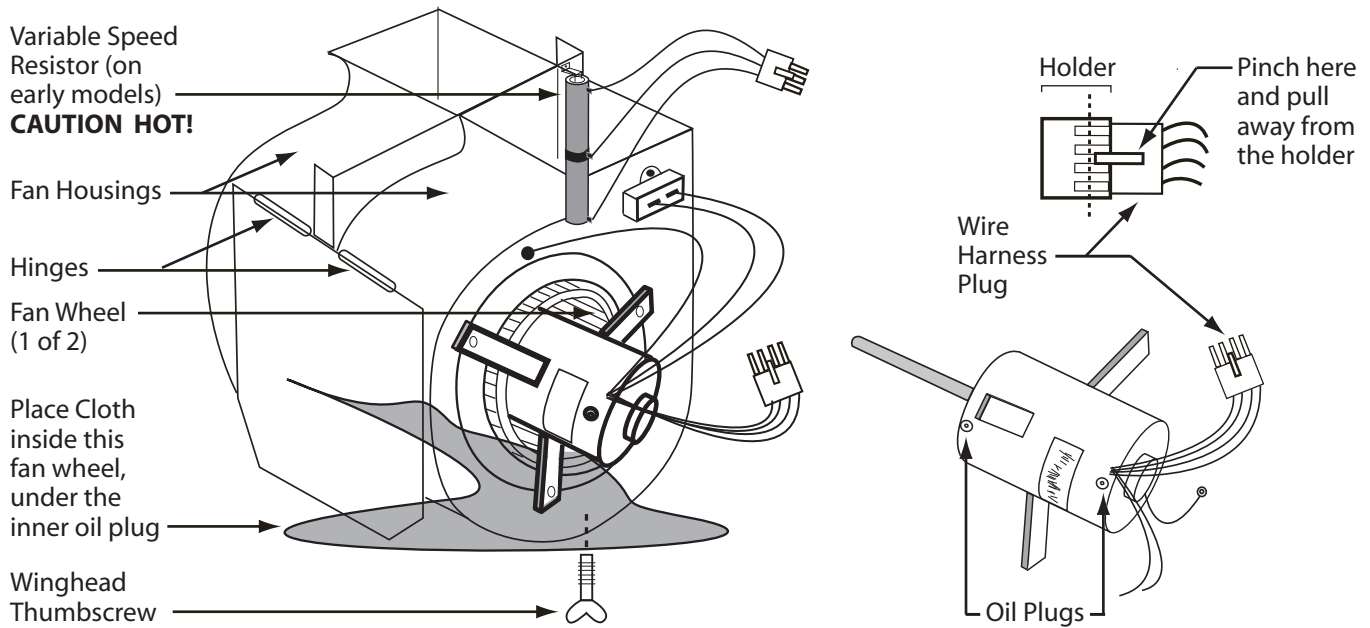


## MODEL 1000 HEAT RECOVERY VENTILATOR (HRV) FAN ASSEMBLY: OILING & CLEANING



**Oil should be added every 5 years.** You will need a small flat blade screwdriver, a clean cloth, a plastic straw (see step 8) and the proper oil: Use SAE 20 or 20W 20 weight non-detergent or electric motor oil. The oil must have both the correct viscosity and be free of automotive detergent/additives.

- Step 1. **ALWAYS UNPLUG THE HEAT RECOVERY VENTILATOR (HRV) BEFORE YOU BEGIN. ON EARLY MODELS WITH A VARIABLE SPEED RESISTOR, ALLOW 1 HOUR TO COOL DOWN!**
- Step 2. Remove filters and core. Disconnect the wire harness plug(s) (see diagram). Recent models have one 4-pin connector; earlier models have one 6-pin, or one 3-pin or two 3-pin connectors.
- Step 3. The Fan Assembly is held in place by two hinges near the upper front of the cabinet and a winghead thumbscrew at the bottom back of the fan assembly. **CAUTION: Always support the fan assembly as you carry out the following steps:** Remove the thumbscrew. Slowly lower the back of the fan assembly, lift it off its front support hinges and remove from the HRV.
- Step 5. Use a clean, 1" wide or smaller brush to GENTLY clean the dust from the two fan wheels.
- Step 6. Use a slightly damp cloth to carefully clean the accessible parts of the fan housings.
- Step 7. The fan motor has TWO oil ports, one for each bearing, covered by a plastic oil plug. Use a small flat blade screwdriver to pry out BOTH oil plugs, putting aside to re-install later. If the oil plugs fall into the fan housing, tip the fan housing to remove.
- Step 8. Orient the Fan Assembly so the oil ports face upwards. Place cloth inside the fan wheel under the motor's inner oil port to catch any spilled oil. To oil the inner oil port, run the oil down a screwdriver blade. Or, cut a plastic straw lengthwise to guide the oil.

Oil won't travel down an uncut straw



- Step 9. Rules of Thumb: Use the correct oil. Do not over-oil. Oil does not run up-hill. For **EACH YEAR** run non-stop WITH NO OIL ADDED, **add 4 drops per oil port.** EXAMPLE: 5 years x 4 drops per oil port = 20 drops per oil port (40 drops per motor) Re-install oil plugs. 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. **CAUTION: SUPPORT THE FAN ASSEMBLY AS YOU RE-INSTALL.** Re-install the fan assembly into the HRV, carefully seating the fan housings into the foam 'windows'. Tighten the winghead thumbscrew. Re-connect the wire harness. Plug in the HRV. © ENEReady PRODUCTS LTD. 08/04