Debris Removal Unit- Motor Cooling Upgrade

Applies to

ThermoFlex

Background

The current design allows the motor to pull hot exhaust air through the winding, preventing sufficient cooling, especially at higher voltage limits. The airflow path must be redirected to exhaust out the rear panel, instead of beneath the unit, as is currently done. This involves replacing some sheetmetal parts and sound dampening foam inside the enclosure.

Tools and parts

- 4, 5 & 6mm Hex Keys
- Upgrade kit 05-0121 (partially assembled by production before being shipped out.)

Steps

Production

1. Assemble foam and sheetmetal assemblies as shown on sheet 2.

Note: Discard unused panels of foam kit.

Service- Site visit

1. Disconnect the power cord, vacuum hose, and signal connector from the rear of the unit. Remove the 4 screws locating the power box and lay the power box on the ground.
2. Remove the lid, left side panel, and rear panel. When removing the rear panel, pass the power box though the opening of the rear panel to avoid disconnecting the cabling and hoses. Discard the rear panel.
2. Remove the parts as indicated at the top of sheet 3.
3. Install 0100 and clamp the blue hose to the blower exhaust. It must not extend more than 25mm past the outside of the box, shorten if necessary. Install all new parts as indicated on sheet 3. Place new cable clips (0100) on the blower lower cover and secure the cabling and tubing with them.
4. Install the new rear panel, replace the power box, and ensure the cables and tubing are cleanly routed.
5. Reconnect the hoses and cables. Test that the blower functions correctly.
6. Reinstall the lid and side panel.

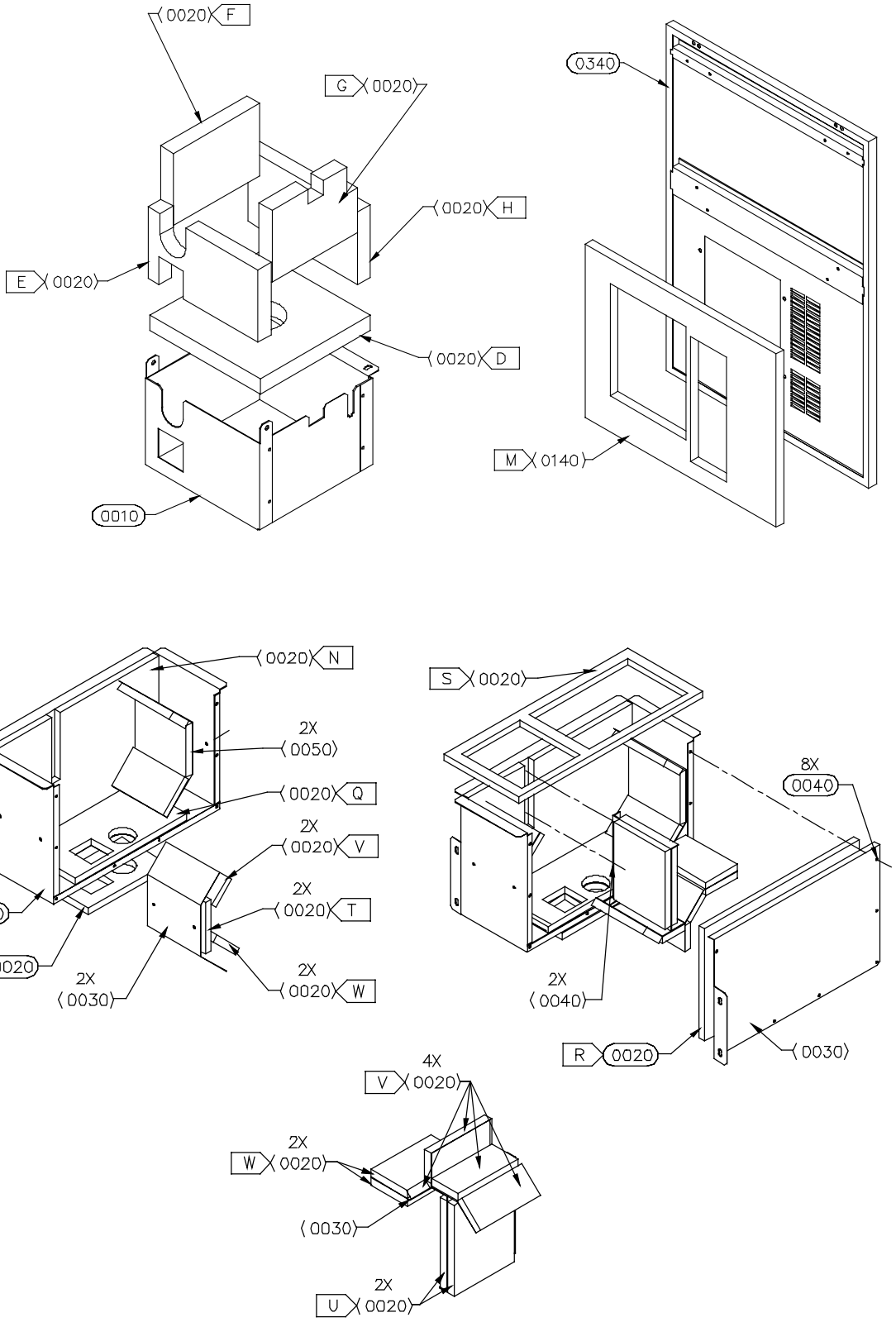
Notes

Technical contact Morgan Prentice (mprentice@creo.com)

Date submitted 3 Nov 1999

Date modified

Production Assembly



Site Assembly

