

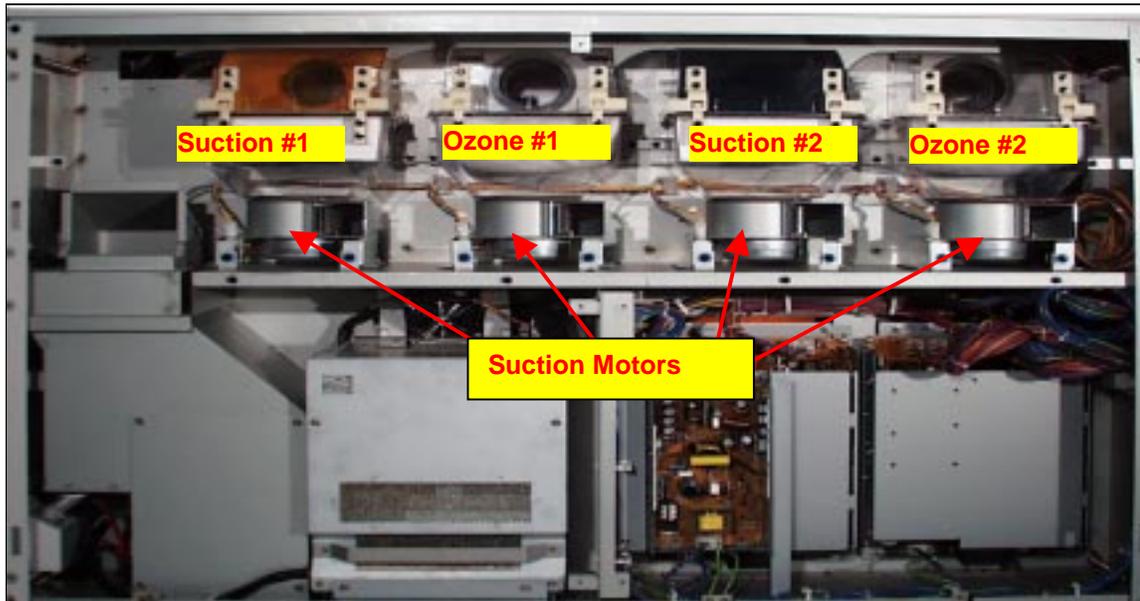
# Ecology Module

## Ecology Module Overview

The Ecology Module contains the 4 filter assemblies that are used to remove toner and ozone from the 4 Xerographic Modules in the IOT. When looking at them from the back of the machine, left to right, they are Suction#1, Ozone#1, Suction#2, and Ozone#2. The suction motors and squirrel cage fans are located just below the filter boxes

The Suction#1 filter box contains a single paper filter used for the collection of toner. Suction#1 removes toner in the air from the developer side of both the yellow and magenta xerographic modules. The Suction#2 module is exactly the same as Suction#1 except it is designated for the cyan and black xerographic modules.

The Suction Motors pull air through the developer and xerographic units and trap the loose toner particles in a replaceable paper filter.



# Ecology Module (continued)

## Overview Continued

### Ozone Filters

The Ozone#1 filter box contains a single paper filter for collecting any miscellaneous toner particles. Ozone#1 removes the ozone around the MCS for the yellow and magenta xerographic modules. The Ozone#2 module is exactly the same as Ozone#1 except it is designated for the cyan and black xerographic modules. The Ozone#1 and Ozone#2 filters do not contain a carbon activated ozone filter. Instead the output of all 4 filter units are directed through a single carbon activated ozone filter before being exhausted through the bottom of the ecology module. The carbon activated ozone filter is located about half way down on the left side of the ecology module when looking from the rear of the machine.

