

## A340 Effectivity

LiteAir has a window plug for every window position on the following A340 airplanes: A340-211, A340-212, A340-213, A340-213, A340-311, A340-312, A340-313, A340-541, A340-642

### General Description

There are three versions of the A340 lightweight window plug assembly available as follows:

1. Lightweight window plug installed with the existing passenger windows seal and the acrylic middle pane.
2. Lightweight window plug installed with existing passenger window seal and a lightweight spacer ring in lieu of the middle pane for additional weight savings and to reduce maintenance by eliminating all acrylic elements.
3. Lightweight window plug installed with a custom LiteAir seal, which has no slot for the middle pane and hence requires no spacer ring or middle pane which further reduces maintenance.

All three options use the existing Original Equipment Manufacturer (OEM) retaining system for installation and have been certified by FAA test to negate the requirement for a bonding strap to simplify installation still further. Detailed installation and maintenance instructions are provided for in service inspection and repair. The part numbers used at each location are shown below.

### Part Number & Location

LAP4005-1	Window Plug	All window locations
LAP5010-1	Spacer Ring	All window locations (no photo shown)
LAP9001-1	Seal	All window locations



### Benefits of using lightweight window plugs:

**Saves weight:** The window plug assembly weighs 1.4 pounds (options 2 and 3 above). The weight of the acrylic windows being replaced is 3.2 pounds which results in a 1.8 pounds weight savings per window and 238 pounds per airplane (132 windows) for a typical passenger-to-freighter (P2F) conversion; however, there isn't an available P2F program at this time.

**Saves fuel:** At today's fuel prices the window plug installation can pay for itself in less than three years.

**Saves money:** Lower component cost.

**Easy to use:** Simple as replacing a window.

**Less installation time:** The assemblies have been certified by FAA test to negate the requirement for a bonding strap which considerably reduces installation time.

**Lower maintenance:** All acrylic elements require frequent inspection. The use of the spacer ring eliminates all acrylic elements therefore significantly reducing maintenance.

**Proven reliability:** All parts have Parts Manufacturing Approval (PMA) and are certified via FAA Supplemental Type Certificate (STC) and worldwide validation. To date there are more than 40,000 parts in service with a perfect history.