

TRANSPARENCY SERVICES

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PPG now offers single-source service for framed window assembly overhaul and repair

PPG Aerospace – Transparencies is recognized around the world as a longtime manufacturer of original-equipment and aftermarket aircraft transparencies. With its continued customer commitment, PPG has expanded capabilities to include component overhaul and repair services for framed window assemblies.

Overhauls, repairs

All framed window assemblies are overhauled or repaired at PPG's new FAA-approved state-of-the-art facility located in Huntsville, Ala. All work is performed by experienced FAA-licensed airframe and powerplant technicians under PPG's long-standing FAR 145 Repair Station Certificate – IL4R262M.

PPG's typical overhaul process includes:

- Disassembly, cleaning and inspecting of the unit according to the Component Maintenance Manual (CMM)
- Stripping paint from the frame
- NDI/magnetic particle inspection
- Inspecting, cleaning, priming and repainting the frame
- Replacing worn, unserviceable and other detail parts



- Installing a PPG-rebuilt or new window
- Assembling, sealing, greasing and adjusting all mechanisms

Left: Boeing 757 No. 2 framed assembly

Below: NDI of window components aids in the identification of parts and materials that need to be replaced or repaired.



Parts are cleaned using a blast media system that removes organic material while protective coatings remain.

PPG's typical repair process includes:

- Cleaning and inspecting entire assembly according to the aircraft CMM
- Measuring and recording heater/sensor resistance
- Polishing to remove scratches on inboard and outboard surfaces of acrylic and glass windshields
- Reworking polysulfide coating on exterior edges
- Replacing or reworking the seal
- Replacement or repair of all parts on assembly found during inspection to be worn or unserviceable

Before work begins, units are inspected in accordance with the CMM. Once the scope of work has been determined and agreed upon by the customer, the unit is then overhauled or repaired. All work is performed in compliance with all applicable Airworthiness Directives, Service Bulletins and customer Engineering Orders.

Turntimes

Because all of the work is performed in-house by PPG, turntimes are a fast seven to 15 days for repairs and 20 to 30 days for overhauls.

Warranties

As the OEM window manufacturer, PPG is able to handle warranties quickly and efficiently, too. PPG provides warranties for both the windshield panel and window framed assembly. For specific component warranties, please contact your PPG sales representative.

Framed Window Assembly Capabilities List

Aircraft Model	Part	Framed Window Assembly Part Number
Boeing 707/727/737 Classic	#2 Framed Assembly	5-71762-*
Boeing 737NG	#2 Framed Assembly	141A4810-*
Boeing 757	#2 Framed Assembly	012N8771-*
	#2 Framed Assembly	141N4850-*
Boeing 767	#2 Framed Assembly	015T0195-*
	#2 Framed Assembly	141T0012-*
	#2 Framed Assembly	141T4835-*
Boeing 777	#2 Framed Assembly	141T4835-*
Airbus A300/310/330/340	#2 Slider Window Assembly	A536102750XXXX
	#2 Slider Window Assembly	A536121760XXXX
	#2 Slider Window Assembly	F531106120XXXX
Airbus A318/319/320/321	#2 Slider Window Assembly	D53110018XXXX
	#2 Slider Window Assembly	D53110019XXXX
Douglas DC-9/MD-80	#2 Clearview Assembly	5613217-501 through 520
	#2 Clearview Assembly	5964420-*
Douglas DC-10/MD-10/MD-11	#2 Clearview Assembly	NBA6047-*

*Any and all revisions

Complete transparency capabilities

PPG is pleased to take the next step to offer airlines this expanded overhaul and repair service. As a result of being both an original-equipment transparency manufacturer and an FAR 145 Repair Station, PPG is capable of providing airlines with the industry's most comprehensive capabilities.

In addition to framed window assemblies, PPG Aerospace – Transparencies can be your one source for all of your cockpit transparency needs:

- Boeing and Douglas windshields — Repairs, rebuilds, exchanges and new spares
- Airbus windshields — Repairs, exchanges and new spares
- Boeing, Douglas and Airbus framed window assemblies — Overhauls, repairs, exchanges and spares.

With global supplies of spare transparencies stocked at strategic locations around the world, PPG can get you the parts you need when you need them.



Above: Certified technicians inspect an overhauled Boeing 777 No. 2 framed window assembly.

Right: Boeing 707/727/737 Classic No. 2 framed assembly



For more information, please contact your PPG Aerospace – Transparencies sales representative or customer service representative.



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