

Cockpit windows

Next-generation 737, Classic 737, 727, 707 airplanes



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Description

PPG's aerospace business is a leading and experienced source of original-equipment and replacement windshields and side cockpit windows for airplanes produced by The Boeing Company.

The main windshield for Next-Generation 737 airplanes has been redesigned to accommodate airframe changes, and PPG is the sole source for production and aftermarket parts. The new-design windshield fits Next-Generation 737 airplanes delivered after mid-September 2010, with line number 3400 and higher, and pre-line number 3400 aircraft that have incorporated Boeing Service Bulletin 737-53-1295. PPG also produces the main windshield for Classic 737 and Next-Generation 737 airplanes delivered before mid-September 2010, with line number 3399 and lower.

PPG has supported the redesign effort of the No. 2 sliding cockpit window for Next-Generation 737 and Classic 737 airplanes by developing enhanced full-coverage heating and incorporating an improved and wider metal insert structure. The new configuration provides terminating action for FAA Airworthiness Directive AD 2008-09-15 for Classic 737 airplanes and AD 2008-11-08 for Next-Generation 737 airplanes.

New or exchange

Operators can buy new replacement windshields and side cockpit windows from PPG and enjoy the convenience and time savings of buying from a single source for their fleet of aircraft produced by The Boeing Company. For 737 windshields and No. 2 side cockpit windows, PPG's exchange program offers cost savings. Operators return a windshield or No. 2 cockpit window to PPG and receive a new or rebuilt replacement part from stock, affording the most efficient turn times.

Surface Seal® coating system

Surface Seal coating system by PPG is the supplemental windshield rain removal system approved by The Boeing Company for 737 airplanes, and is standard on the latest engineering version of PPG original-equipment and replacement windshields for them. Surface Seal hydrophobic coating improves the ability of the windshield to shed water, providing the ultimate in visibility for pilots during wet conditions. Surface Seal coating system kits are available for field application.

Overhaul and repair

In addition, PPG is able to overhaul and repair the No. 2 framed window assembly.

All glass cockpit windows

Features	Benefits
Urethane interlayer	<ul style="list-style-type: none"> Provides maximum adhesion for resistance to delamination and extends service life Elasticity at low temperatures reduces potential for delamination and cold chipping

Main windshield, No. 2 sliding window, No. 3 glass window

Features	Benefits
Stainless steel z-retainer	<ul style="list-style-type: none"> Protects against moisture ingress

Main windshield (141A4800-1/-2)

Features	Benefits
PR-1425CF moisture seal	<ul style="list-style-type: none"> Chromate-free Cures in less than half the time Lower moisture vapor transmission

Cockpit No. 2 sliding window

Features	Benefits
Wide metal insert with reinforced corners	<ul style="list-style-type: none"> Added strength Eliminates airworthiness directive-mandated inspections
Nesatron® anti-ice heating system	<ul style="list-style-type: none"> Full coverage heating

Cockpit No. 3 fixed window

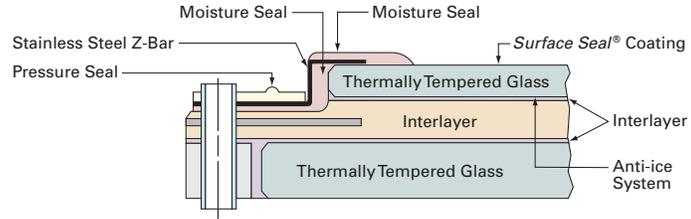
Features	Benefits
Glass or acrylic	<ul style="list-style-type: none"> Purchasing flexibility

Cockpit windows

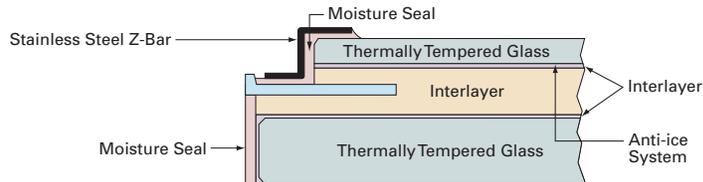
Next-generation 737, Classic 737, 727, 707 airplanes

Main windshield

Windshields with part numbers 141A4800-1 and 141A4800-2 for aircraft with line number 3400 and higher are smaller than earlier versions, and they also fit pre-line number 3400 aircraft that have incorporated Boeing Service Bulletin 737-53-1295.

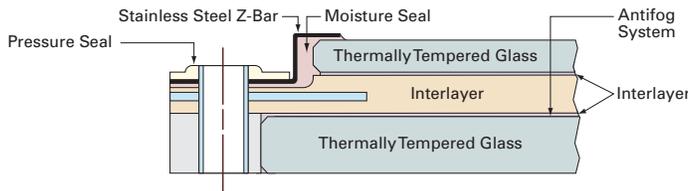


No. 2 sliding window

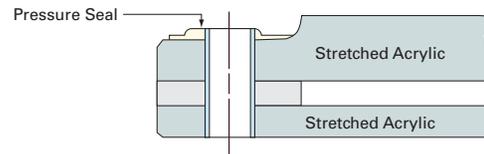


No. 3 fixed window

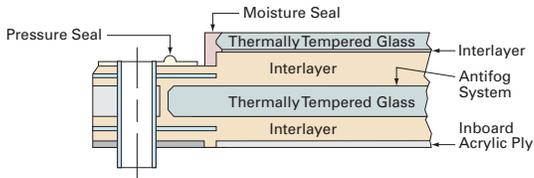
Glass



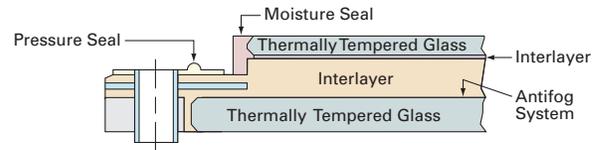
Acrylic



No. 4 eyebrow window



No. 5 eyebrow window



Part numbers

Pilot Windshield	5-89354-3149 (Line number up to and including 3399)
Copilot Windshield	5-89354-3150 (Line number up to and including 3399)
Pilot Windshield	..... 141A4800-1 (Line number 3400 and after)*
Copilot Windshield	..... 141A4800-2 (Line number 3400 and after)*
Pilot No. 2 Sliding Window	..... 5-89355-87
Copilot No. 2 Sliding Window	..... 5-89355-88
Pilot No. 3 Fixed Window - Glass	..... 5-89356-41
Copilot No. 3 Fixed Window - Glass	..... 5-89356-42
Pilot No. 3 Fixed Window - Acrylic	..... 65-16323-33
Copilot No. 3 Fixed Window - Acrylic	..... 65-16323-34
Pilot No. 4 Eyebrow Window	..... 5-89357-33
Copilot No. 4 Eyebrow Window	..... 5-89357-34
Pilot No. 5 Eyebrow Window	..... 5-89358-41
Copilot No. 5 Eyebrow Window	..... 5-89358-42
Hump Seal Repair Kit	..... HSKBOEINGNB

*Fits pre-line number 3400 aircraft that have incorporated Boeing Service Bulletin 737-53-1295.

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This document has been reviewed by the PPG Aerospace Export Control Department and has been determined to contain only EAR99 controlled data.

Stocks worldwide

With inventories of cockpit windows maintained worldwide, PPG is able to service customers from global stocking locations.

Ordering information

Orders may be placed through PPG's worldwide network of application support centers (ASCs). For the ASC nearest you, visit www.ppgaerospace.com.

In North America, call toll-free +1 (800) AEROMIX.

Pricing, warranty and delivery details are available from your PPG sales representative.

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