

# TECHNICAL DATA

## REBUILT WINDSHIELDS

### Beechcraft King Air and Beechcraft 1900



Beechcraft King Air

PPG Aerospace – Transparencies offers rebuilt windshields for Beechcraft King Air and Beechcraft 1900 aircraft, enabling operators to reduce acquisition costs, compared with a new part, without compromising performance or quality. PPG’s rebuild service offers the benefits of new windshields at lower cost.

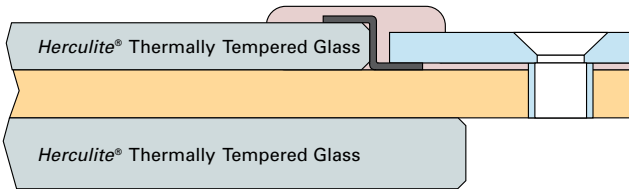
As the sole manufacturer of OEM windshields for these airplanes and a supplier of spares, PPG is able to rebuild windshields to the latest Beechcraft-approved design configuration.

Beechcraft King Air Windshield	
Features	Benefits
Original Equipment Manufacturer (OEM)	<ul style="list-style-type: none"> <li>Rebuilt to the latest design configuration</li> <li>Same materials, processes as OEM part</li> <li>Worldwide customer and technical support</li> <li>Assures compliance with structural, form, fit and function requirements of the airframe manufacturer</li> </ul>
PPG 112 Urethane Interlayer	<ul style="list-style-type: none"> <li>Same proprietary interlayer used in latest design of OEM windshields provides maximum adhesion to glass for increased resistance to delamination and extends service life</li> <li>Elasticity at low temperatures dramatically reduces potential for cold chipping</li> </ul>
Thermally Tempered Glass	<ul style="list-style-type: none"> <li>Scratch resistant and craze-free</li> <li>Superior optical quality</li> <li>High load-carrying capabilities</li> </ul>
Aircon® Anti-ice System	<ul style="list-style-type: none"> <li>Proven reliability</li> <li>Heating uniformity</li> </ul>
Warranty	<ul style="list-style-type: none"> <li>Superior to standard warranty for a new part</li> </ul>
Rebuild to Condition "New"	<ul style="list-style-type: none"> <li>Prevents recurrence of failure modes such as delamination, moisture ingress and electrical malfunctions that are not eliminated by common "minor repair schemes"</li> <li>Lower cost than new spare</li> <li>Reliability and performance of new windshield</li> </ul>
Surface Seal® Coating System	<ul style="list-style-type: none"> <li>Same proprietary hydrophobic coating used on OEM windshields dramatically improves water shedding, maintaining distortion-free visibility in rain conditions without the need for wipers</li> </ul>

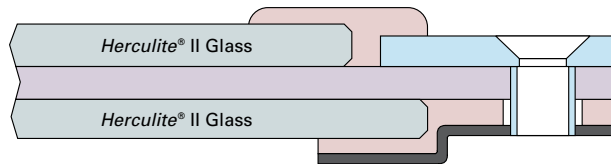
Beechcraft 1900 Windshield	
Features	Benefits
Original Equipment Manufacturer (OEM)	<ul style="list-style-type: none"> <li>Rebuilt to the latest design configuration</li> <li>Same materials, processes as OEM part</li> <li>Worldwide customer and technical support</li> <li>Assures compliance with structural, form, fit and function requirements of the airframe manufacturer</li> </ul>
Herculite® II Chemically Strengthened Glass	<ul style="list-style-type: none"> <li>High strength-to-weight ratio</li> <li>Lightweight window</li> <li>Greater stiffness</li> <li>Less deflection</li> <li>Superior optical quality</li> <li>Improved residual visibility</li> </ul>
PPG 112 Urethane Interlayer	<ul style="list-style-type: none"> <li>Same proprietary interlayer used in latest design of OEM windshields provides maximum adhesion to glass for increased resistance to delamination and extends service life</li> <li>Elasticity at low temperatures dramatically reduces potential for cold chipping</li> </ul>
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Rebuild to Condition "New"	<ul style="list-style-type: none"> <li>Prevents recurrence of failure modes such as delamination, moisture ingress and electrical malfunctions that are not eliminated by common "minor repair schemes"</li> <li>Lower cost than new spare</li> <li>Reliability and performance of new windshield</li> </ul>
Bird-Impact Resistant	<ul style="list-style-type: none"> <li>Tested to impact by 2-pound bird at 190 knots</li> </ul>

# BEECHCRAFT KING AIR, BEECHCRAFT 1900

## King Air Windshield



## Beechcraft 1900 Windshield



### Part Numbers for Rebuilding

#### Beechcraft King Air

Pilot Windshield.....	101-384025-23*
Copilot Windshield.....	101-384025-24*
Pilot Windshield.....	50-420069-37**
Copilot Windshield.....	50-420069-38**
Hump Seal Repair Kit.....	HSKKINGAIR

#### Beechcraft 1900

Pilot Windshield.....	114-384020-5*
Copilot Windshield.....	114-384020-6*
Hump Seal Repair Kit.....	HSK1900

NOTE: Rebuilt windshields are manufactured to the latest Beechcraft-approved design and will be supplied with the latest part numbers.

\*PPG rebuilds all prior configurations (dash numbers and revision letters) of these parts.

\*\*PPG rebuilds these parts manufactured since March 1996.

PPG rebuilds its windshields for Beechcraft King Air and Beechcraft 1900 aircraft using procedures approved by the Federal Aviation Administration. PPG duplicates original-equipment part manufacturing processes, inspection procedures and requirements in rebuilding transparencies. Materials and components in PPG-rebuilt windshields are the same as those in OEM parts to meet the same part requirements. Rebuilds are upgraded to the latest design configuration and covered by a warranty superior to the standard warranty for a new part.

Operators return a PPG-manufactured windshield, and a replacement is shipped within 30 days in an exchange program. PPG accepts all unserviceable Beechcraft King Air windshields with part numbers 101-384025 and Beechcraft 1900 windshields for exchange. King Air windshields with part numbers 50-420069-37 and 50-420069-38 manufactured by PPG since March 1996 are accepted for exchange.

### Hump Seal Repair Kits

A windshield's outboard moisture seal, or hump seal, is subjected to wind and rain erosion and UV exposure, causing it to degrade over time. A well-maintained seal protects against moisture ingress, a leading cause of premature service life failure. Seals can be repaired to OEM specification using PPG hump seal repair kits. Designed for specific aircraft, the kits contain everything needed to perform on-wing repair of outboard moisture seals and extend windshield service life. Ask your PPG representative for details.

### Ordering Information

Orders may be placed through PPG Aerospace's worldwide network of application support centers (ASCs) and sales offices. For the ASC or sales office nearest you, visit [www.ppgaerospace.com](http://www.ppgaerospace.com).

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

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



**PPG Aerospace**  
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