

History

The replacement of cockpit windows due to delamination, glass breakage, electrical system failure, scratches and crazing is costly in both aircraft downtime and increased maintenance expense. Until recently, only minor repairs to these windows were possible.

Solution

GKN Aerospace Transparency Systems is an OE manufacturer of Douglas Twinjet glass windshields and acrylic side cockpit windows. In addition to the licensed sale of new spares and exchanges, GKN offers a comprehensive factory repair and overhaul program that economically restores unserviceable windows to “as-new” condition for longer service life.

Overhaul Features

- Overhaul to latest OE specifications including newly manufactured replacement components
- Replacement of damaged or delaminated glass and acrylic laminates and defective heating systems
- Purchase of Unserviceable Scrap Windows
- Exchange Pool Available
- Coating Upgrade Options
- OE Licensed Repair
- FAA Approved* - Full Airworthiness Certification
- Warranty - 36 months - the same as new window!

Part Numbers

5887275-501 / -505	<i>Center Windshield (with “Z” retainer)</i>
5912290-501 / -505 / -507	<i>Left Hand Side Windshield (with “Z” retainer)</i>
5912290-502 / -506 / -508	<i>Right Hand Side Windshield (with “Z” retainer)</i>
5912426-1	<i>Left Hand Clearview Window</i>
5912426-2	<i>Right Hand Clearview Window</i>
5912415-1	<i>Left Hand “Eyebrow” Window</i>
5912415-2	<i>Right Hand “Eyebrow” Window</i>
5614212-1	<i>Left Hand Aft Window</i>
5614212-2	<i>Right Hand Aft Window</i>

Upgrade Options

- Surfex 100™ Rain Shed Coating for Glass Windshields
- CrystalVue™ Craze and Abrasion Resistant Coating on Acrylic

WARRANTY AND LIABILITY PROVISIONS

DC-9/MD-80 COCKPIT WINDOW REPAIR

1. GENERAL WARRANTY

Seller warrants that at the time of delivery the articles furnished hereunder will be free from defects in material and workmanship and will conform to the drawings and specifications. Except for latent defects, all articles furnished hereunder shall be deemed to be finally accepted by Buyer unless Seller receives notice of rejection within a reasonable time but no later than 90 days after the receipt of articles by Buyer. As to latent defects, Buyer may reject articles within three years after date of shipment. If Seller elects to repair or replace a defective or non-conforming article, Seller's warranty for said article shall be limited to the unused portion of the original warranty. ***THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.***

2. WARRANTY PROVISION

There shall be no Continuing Warranty by Seller for defects attributable in whole or in part to normal wear and tear or to factors beyond Seller's control, including but not limited to Buyer's design, failure of Buyer or its customers to properly preserve, store, install, operate, or maintain parts made by Seller or the end item in which parts are installed. Seller also denies liability for any failure or deterioration of parts attributable to extended storage under conditions of excessive temperature or humidity, or for any malfunction or design deficiency occurring in other systems or installations that would in turn affect the performance of the part. Seller further denies liability for performance of parts under the Continuing Warranty provision where abnormal environmental and/or operating conditions are encountered by the aircraft (or Buyer's end item).

3. SELLER'S LIABILITY

Seller's liability for defective or nonconforming articles is limited to the repair or replacement with surface freight shipping charges in the Continental United States to be paid by Seller, or refund of the purchase price as Seller may elect. Defective or nonconforming articles shall not be returned to Seller without Seller's prior written permission. Under no circumstances shall Seller be obligated for consequential, incidental or other damages, losses or expenses in connection with or by reason of any breach. Seller's liability hereunder shall in any event be limited to the purchase price of the articles. The remedies expressed are exclusive. Claims for defective or nonconforming articles shall be in writing and submitted within the period specified in the General Warranty.

4. EXTENDED WARRANTY

SS-6782 coated acrylic cockpit windows will be warranted against objectionable crazing and/or cracking for five years from date of shipment. Legitimate claims will be honored with a replacement part or repair furnished at no charge. The replacement part or repair will be warranted for the same defect for the balance of the original warranty.

Objectionable crazing is defined as follows: crazing in an acrylic cockpit window that impairs vision to the extent that it requires removal by the aircraft operator. This crazing condition must be evident in normal daylight conditions without use of magnification or artificial light sources. As a guideline, Figure 8 in the GKN Aerospace Transparency Systems Technical Report TR-89-1 would be a legitimate warranty claim. GKN reserves the right to inspect any rejected window for concurrence of the validity of each claim.

The extended warranty is excluded in cases where crazing inducement is traceable to other causes, for example: exposure to paint, organic solvents or corrosive chemicals; deep scratches or gouges which have induced crazing; and optical refinishing (sanding and/or polishing).



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