BOEING 737 NEXT-GEN HEAT EXCHANGER INLET DUCT INSTALLATION (TASK 21-51-24-400-801)

GORE® SKYFLEX® Aerospace Materials must be inspected for any damage or improper installation whenever the Boeing 737 Next-Gen Heat Exchanger Inlet Duct is removed during routine maintenance checks. If the materials are damaged, then sealing ability may be degraded. When replacing existing materials, please refer to the Boeing Aircraft Maintenance Manual (AMM).

Gore also recommends using this reference document in conjunction with the general GORE® SKYFLEX® Aerospace Materials Inspect, Reuse and Repair Guide available at **gore.com/skyflex**.

The 200 Series of GORE® SKYFLEX® Aerospace Materials, part numbers GUA1301-1 and GUA1302-1 are recommended for installation on both composite ducts included in the Heat Exchanger Inlet Duct.

Inspection

The Boeing AMM **Sub-task 21-51-24-210-001** requires the inspection of GORE® SKYFLEX® Aerospace Materials, 200 Series for the following conditions (Figures 1 and 2).

- Missing or damaged sections
- Presence of oil and grease
- Dirt or debris

Removal & Replacement

Please refer to the Boeing AMM **Sub-Task 21-51-24-360-001** that outlines the removal and replacement of damaged or unserviceable sections of GORE® SKYFLEX® Aerospace Materials, 200 Series. Ensure the replacement tape is installed correctly to protect the mating surfaces and help ensure efficiency of the system.

Figure 1: Gore's 200 Series (part number GUA1301-1) in place and serviceable condition.

Figure 2: Repair required for missing or damaged sections of Gore's 200 Series (part number GUA1302-1).

Proven Performance with Diverse Portfolio

Proven by more than 20 years of successful applications, GORE® SKYFLEX® Aerospace Materials solve many sealing and surface protection challenges in civil and defense aircraft. They are available in a variety of form-in-place (FIP) tapes and die-cut gaskets in various sizes. Gore's tapes and gaskets provide design engineers, manufacturers, and operators with many benefits that simplify aircraft assembly, and increase availability and throughput, including:

- Reliable and predictable surface protection, sealing and gap filling with highly-conformable materials
- Durable protection against mechanical forces, extreme temperatures, aggressive fluids, and other environmental hazards
- Supports design goals for manufacturing with dry materials
- Easier and faster installation from single-component, non-curing materials
- Less replacement and re-work of seals by maintaining performance over multiple open/close cycles for reduced life-cycle costs
- Low environmental impact and improved safety with non-hazardous materials
- No operator certification or special handling of materials required

This document is for informational purposes only and not a substitute for published technical data. For more information regarding GORE® SKYFLEX® Aerospace Materials, visit **gore.com/skyflex**.

NOTICE — USE RESTRICTIONS APPLY. Not for use in food, drug, cosmetic or medical device manufacturing, processing, or packaging operations.

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