



Figure 1

BILLING CODE 4910-13-C

Visual Inspection of Gearbox Pressure Tube and No. 4 Bearing Front Pressure Manifold

(g) If one or more clamp assemblies are rejected as described in paragraph (f) of this AD, or out of position or missing (see Figure 1 of this AD), clean any debris and oil from the outer surface of the gearbox pressure tube and No. 4 bearing front pressure manifold and visually inspect the tube and manifold. Repair or replace the affected tube or manifold before further flight if it is rejected by any of the following rejection criteria:

- (1) Nicks, chafing, scratches, and or pitting 0.003 inch or greater in depth.
- (2) Dents within 0.25 inch of the ferrules or will not permit free passage of a ball having a minimum diameter of 80% of the tubing inner diameter.
- (3) Corrosion that is unable to be removed by a light polishing.
- (4) Tube or manifold is leaking oil.

(5) As an option to the dent inspection method specified in paragraph (g)(2) of this AD, measure tube dent depth and use the following rejection criteria:

- (i) Dents in the gearbox pressure tube, P/N 697896, greater than 0.055-inch depth.
- (ii) Dents in the No. 4 bearing front pressure manifold, P/N 670663, forward of the tee fitting, greater than 0.100-inch depth.
- (iii) Dents in the No. 4 bearing front pressure manifold, PN 670663, aft of the tee fitting, greater than 0.080-inch depth.

Gearbox Pressure Tube, No. 4 Bearing Front Pressure Manifold, and Clamp Assembly Positioning

(h) Ensure that the gearbox pressure tube, No. 4 bearing front pressure manifold, and clamp assemblies are properly positioned, before further flight, as shown in Figure 1 of this AD.

(i) Information on general inspection of these parts can be found in the Boeing 747 Aircraft Maintenance Manual, section 72-00-

00, and in PW Standard Practices Manual, P/N 585005.

Reporting Requirements

(j) Report within 30 calendar days of the inspection, the results that equal or exceed the reject criteria to: Engine Certification Office, FAA, Engine and Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803-5299; telephone (781) 238-7189; fax (781) 238-7199. Reporting requirements have been approved by the Office of Management and Budget control number 2120-0056.

Alternative Methods of Compliance

(k) The Manager, Engine Certification Office, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

Material Incorporated by Reference

- (l) None.