

T-051 SERVICE BULLETIN

Inspection and Rework of A/E23037403, E23038137 Power Turbine Inner Shafts

Engine Application(s): Allison 250-C20, C30 Series

Subject: Inspection, rework instructions for Power Turbine inner shafts to enhance atmospheric corrosion protection.

Compliance: Customer option.

Revisions:

N/C	Dated: 12/20/99	Initial Release
A	Dated: 04/30/01	Added A23037403
B	Dated: 09/03/09	Updated EXTEX to TIMKEN.
C	Dated: 2/04/16	Updated Timken to EXTEX Engineered Products.

REASON:

To enhance atmospheric corrosion protection

DESCRIPTION:

The Aseal coating applied to the inner shafts provides both a protection barrier for the underlying nickel and additional atmospheric corrosion protection. This Service Bulletin provides revised coating instructions to be followed during shaft repair and allows for update to the latest part number. Most new Extex inner shafts already comply with these instructions.

APPROVAL:

Technical aspects are FAA Approved.

ACCOMPLISHMENT INSTRUCTIONS:

1. **New Extex power turbine inner shafts:**

1.1 Inspect Aseal coating in accordance with Figure 1.

1.2 If in compliance, obliterate old part number and mark with new part number as indicated below per AS478-3B1 (manual vibropeen).

<u>Old P/N</u>	<u>New P/N</u>
A23037403	E23071309
E23037403	E23071309
E23038137	E23071313

1.2.1 If part is not in compliance with Figure 1, but there is no corrosion evident, obliterate old part number and mark with new part number as indicated below per AS478-3B1 (manual Vibropeen) followed by T-051.

T-051 SERVICE BULLETIN

2. **On Extex power turbine inner shafts that have been operated in an engine:**
 - 2.1 Inspect inner shaft P/N A23037403 or E23037403 per Extex ILR T-016 and/or Extex P/N E23038137 per Extex ILR T-039.
 - 2.2 If strip and recoat is not necessary per the applicable ILR, and the existing Aseal coating complies with Figure 1, obliterate old part number and mark with new part number as indicated in 1.2 per AS478-3B1 (manual vibropeen).
 - 2.3 If strip and recoat is necessary, process per the applicable ILR instructions with Aseal in accordance with Figure 1 of this service bulletin. Obliterate old part number and mark with new part number as indicated in 1.2 per AS478-3B1 (manual vibropeen),
 - 2.4 If no corrosion is present, and the Aseal is in compliance with Extex ILR T-016 or T-039, obliterate old part number and mark with new part number as indicated in 1.2 per AS478-3B1 (manual Vibropeen) followed by T-051.

FIGURE 1

