



C-130/T-56

TD AMP Upgrade

ABB—is a technology leader in electrification and automation, enabling a more sustainable and resource-efficient future.

KEY ADVANTAGES

1 Improved SAFETY

US Air Force driven replacement due to safety concerns. Safety is improved by eliminating un-commanded engine power rollback and the unit withstands intermittent aircraft low voltage as low as 35VAC

2 Increased RELIABILITY

Operators have seen a 50% reduction in depot level maintenance resulting in repair cost savings and downtime—the new TD Amp addresses obsolescence issues associated with older models

3 Seamless DROP-IN REPLACEMENT

Drop-in replacement with no modifications required—aircraft is operational with any combination of new and older model TD Amps, no need to replace all 4 TD Amps



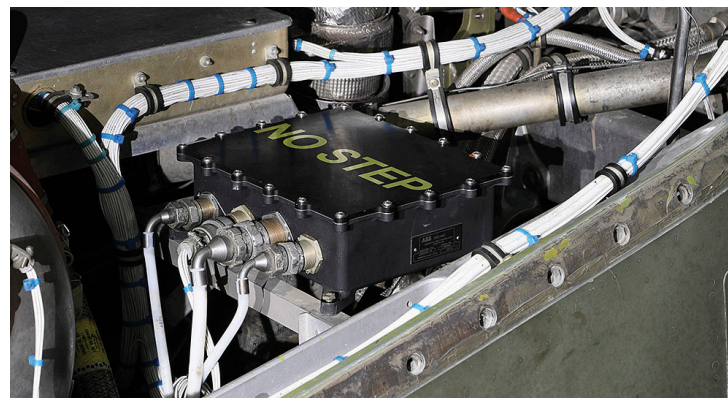
**ABB TD AMPLIFIER:
PN 23089510**

NSN 5996-01-628-4657

See full PN Replacement list on backside



Compliant with US Air Force Recommendations for improved safety.



Replaces all Series II/III TD Amps (Round or Square)



DD-Aviation.com

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C-130/T-56 TD AMP Upgrade



KEY FEATURES

- **BIAS knob** has been plugged
- Slope knob has become a **Temp Selector** between **971C and 1077C**
- Norm knob has become the **Slope Adjustment $\pm 20^\circ$**
- **START knob** has been plugged
- Specifications of **electronic circuitry have been tightened** to compensate for prior adjustment requirements, simplifying on-wing adjustments

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Interchangeable with:

P/N	P/N	P/N
5502636-4	839966-1	6876338
179822-1	6887091	23009257
6842553	6859769	23052609
6870095	5502636-1	23059687
543681-1	5502636-2	J23059687

Previous Generation TD AMP Repair Limitations

- Potentiometers with no reference dials or stops
- Increased MX costs and reduced aircraft readiness due to field adjustment errors



BENEFITS

Improved Safety and Reliability—Eliminate uncommanded engine power rollback

- Low voltage immunity circuit eliminates risk of four-engine power rollback due to intermittent aircraft power supply to TD Amp
- Reliable operation down to 35VAC

50% Reduction in Repairs – Simplified field adjustments

- Fool-proof Slope Adjustment $\pm 20^\circ$ on 971C/1077C setting
- Normal adjustment has been replaced with selector switch between Series II/III engine settings
- BIAS and START manual adjustments have been eliminated
- Increased cost savings and improved aircraft readiness

Drop-In Replacement

- No aircraft modification required
- Replaces all Series II/III TD Amps (Round or Square)

Future Sustainability

- Mitigate obsolescence for continued parts and repairs support
- A1 circuit board (PN: 23054921) already obsolete
- Old PN upgrade modification is uneconomical

Flexible Upgrade Integration

- Operators can use this unit with any combination of old and new PNs on each aircraft, allowing for easy phased fleet integration

The Perfect Synergy

ABB, Inc. in partnership with D&D Enterprises, LLC. introduces the latest design as Sole Source of the TD Amplifier for the Series II/III Rolls-Royce T-56 Engine, providing improvements that yield increased reliability and safety, ease of maintenance, future sustainability and reduced life-cycle costs.

For the past 23 years D&D Enterprises, LLC has been a leading supplier and expert in the support of C-130 and T-56 platforms. As an authorized, worldwide ABB distributor of the TD Amplifier D&D Enterprises offers:

- Available stock for immediate delivery
- Flexible and customizable fleet upgrade integration program management
- Comprehensive spares, repairs and exchange programs
- Buy-back options for previous generation units
- On-site support with 24/7 availability and response in direct partnership with ABB, Inc.



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