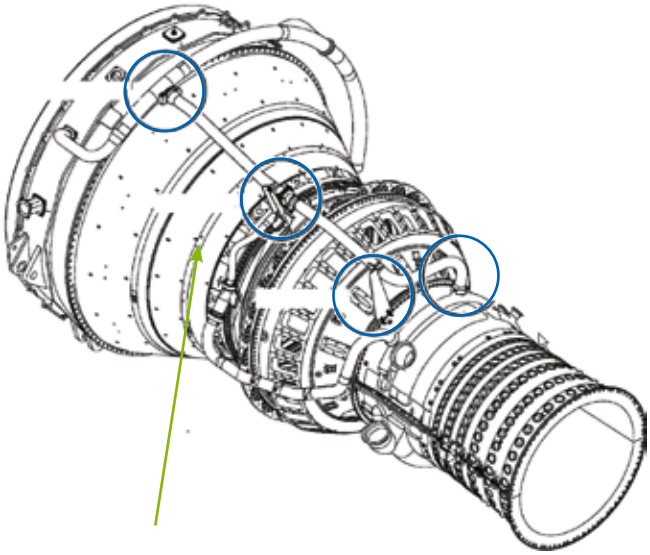
Thrust Balance Valve Removal & Upgrade

Product Description

- The new thrust balance tube kit design eliminates the valve and 11th stage off-engine tube.
- The thrust balance valve (TBV) is replaced with an on-engine tube and an in-line plate orifice, which are installed with control system software modifications.
- The newly designed thrust balance valve system uses orifice bleed as a passive control system for balance of piston cavity pressure regulation.
- The tubing is mounted directly on the turbine using three transducers on the turbine rear frame struts.
- For LM6000PC packages, S4 fuel core is required for TBV removal; however, S5 fuel core offers additional trip reductions related to TBV removal software that will further benefit the customer.
- For LM6000PD packages, S5 fuel core is required for TBV removal.
- For Mark* VI controls, S5 core upgrade is not available on LM6000 PD units.
- For LM6000PC packages not able to upgrade to S5, modifications to S4 fuel core will be applied.

Customer Value

- Replacing the thrust balance valve with the new thrust balance orifice system will eliminate the maintenance of valve and oil leaks from the existing thrust balance valve system.
- Reduces trips related to TBV removal software.
- New software will be installed for monitoring thrust balance cavity pressure and to give an alarm when pressure changes.



Thrust Balance Valve

Applicable Units:

LM6000**	✔	LM2500	
LMS100		LM5000	
LM1600		TM2500	

**Configured for LM6000 PC and LM6000 PD units only

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