LM6000 PA Upgrade

Product Description
- GE AEP packaged LM6000PA model can be updated to the current LM6000 PC configuration by:
  - Uprating to the LM6000 PAU with a kit so that it exhibits the same performance as the production PC model
  - Replaced with a production LM6000 PC
- Gas turbine consists of:
  - a five-stage Low Pressure Compressor (LPC) driven by a five-stage Low Pressure Turbine (LPT)
  - 14-stage High Pressure Compressor (HPC)
  - an annular combustor fitted with thirty, externally-mounted fuel nozzles
  - associated fuel and water/steam manifolds and manifold shipping brackets
  - two-stage High Pressure Turbine (HPT)
  - accessory drive gearbox
  - variable geometry pumps and servo valving
  - a lubrication oil pump and delivery system
  - For increased performance and greater efficiency, it is recommended that SPRINT*, and VIGVs with EFS be considered as supporting upgrades alongside the PA to PC Uprate.

Customer Value
- Improved power, heat rate, and reliability attributed to improvements made to the:
  - LPC stator
  - Higher-efficiency stage 0-3 vanes
  - Top case common for stages 0-4
  - Improved stage 3 bushing life
  - LPT module
  - Larger, more rugged, and more efficient stages 3-5
  - Improved LPT turbine rear frame with larger exhaust area
  - Reduced exhaust system losses, exhaust velocities and noise
  - Increased performance and enhanced engine emission control
  - New engine yields over the PA model can range between 5-12%, with a heat conservation improvement of 4-6%.

Applicable Units:

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<th>LM6000</th>
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<th>LM2500</th>
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<tbody>
<tr>
<td>LMS100</td>
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<td>LM5000</td>
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<tr>
<td>LM1600</td>
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<td>TM2500</td>
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Does not apply to off-shore applications

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