

# LM Rotable Exchange Modules

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Your LM Aero derivative gas turbine was designed with the capability of being able to replace major engine assemblies (also referred to as Engine Maintenance Units or EMUs) quickly with-out losing any performance of the engine.

Aeroderivative & Package Services (Aero Energy) has developed a program that takes advantage of this engineering concept. In many cases, a Rotable Module can be installed at the customer's site eliminating the need to send the engine to a depot. By replacing the Module on site, the User benefits by eliminating the cost of a lease engine and the time and resources spent for a second engine change out if the Users unit was sent to a depot.

Aero Energy also have Modules that are available to be used in order to shorten the time an engine is at a depot for repair. This reduces the cost of operating a lease engine (if installed) or can help expedite the return of the engine back to the site to meet a critical operating period.

## Hot Section Exchange

Aeroderivative & Package Services offers a package of hardware, tooling and labor to replace the Hot Section (HPT Rotor, Stg. 1 & 2 Nozzle Assemblies) of your LM gas turbine at a preestablished fixed price. Two GE field service representatives per shift will remove your old hardware and install the Rotable Hot Section components. This procedure can normally be accomplished in 1-3 days, thus eliminating the need for a lease engine, and sending the engine into the shop for repair. The removed Modules become the property of GE.

With the Aero Energy Hot Section Exchange, you get a fully balanced HPT rotor, complete with a factory established blade to shroud clearances to optimize performance.

As with all of the Aero Energy Rotable Modules, the Hot Section hardware carries a one-year warranty. All returned unserviceable Modules are repaired using either new or overhauled materials per the GE Overhaul Manuals.

## GE Aero Energy Field Replaceable Rotable Assemblies

	LM1600	LM2500	LM2500+	LM5000	LM600
<b>Inlet Gearbox</b>		•	•		
<b>Accessory Gearbox</b>	•	•	•	•	•
<b>HPC Stator Case Assembly</b>	•				
<b>Combustor</b>	•	•	•	•	•
<b>HOT SECTION</b>					
<b>HPT Rotor Assembly</b>	•	•	•	•	•
<b>Stg.1 Nozzle Assembly</b>	• <sup>1</sup>	•	•	•	•
<b>Stg.2 Nozzle Assembly</b>	• <sup>2</sup>	•	•	•	•
<b>Turbine Midframe</b>		•	•	•	
<b>LPT Rotor Assembly</b>			•	•	
<b>LPT Module Assembly</b>			•	•	•

1. On the LM1600 program only, the stage 1 nozzles are attached to the combustor assembly.

2. On the LM1600 program only, the stage 2 nozzles are included in the HPT shroud assembly.