

TURBINE WI DEMO (disassembly)

Job code	C3D-WI-TURBINE-DEMO-02
Summary	Turbine Disassembly Work Instructions
Work type	Disassembly
Role	General Operative
Expected time	4 hours 18 minutes
Work cell	Hangars Nr. 17 - Nr. 29
Previous job	C3D-WI-TURBINE-DEMO-01
Next job	C3D-WI-TURBINE-DEMO-03
Work order	SRT-987 Rev. 4
Revision	A01

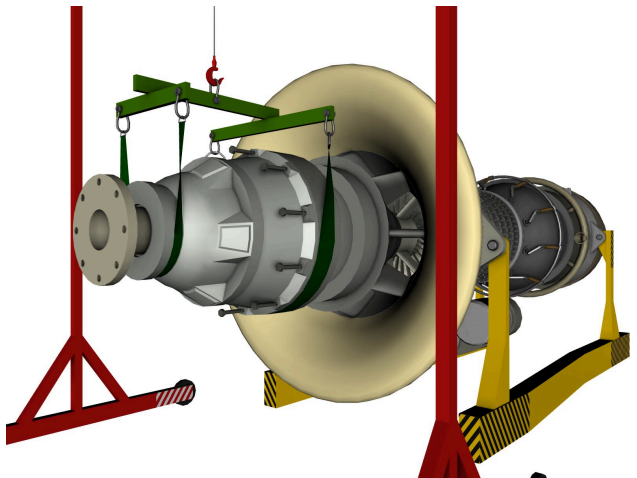
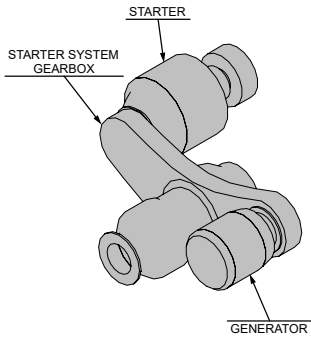
PREREQUISITES

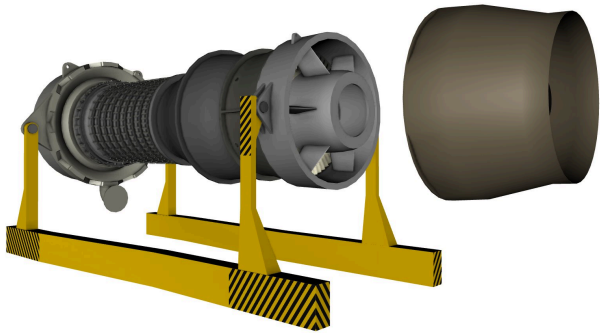
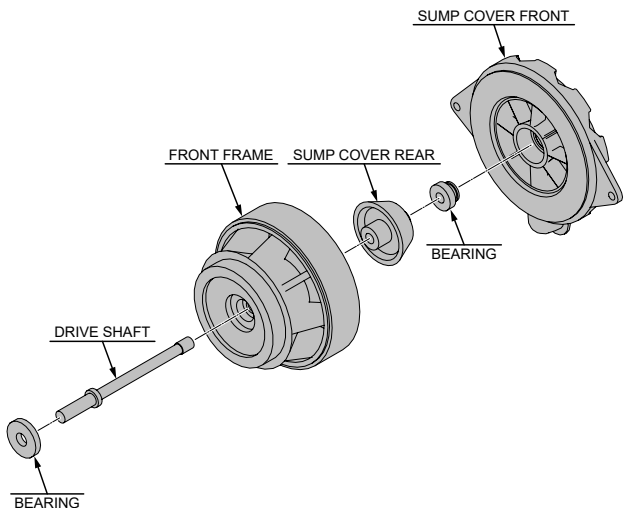
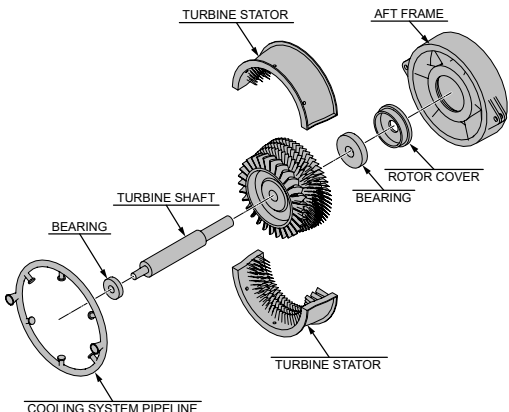
PARTS LIST

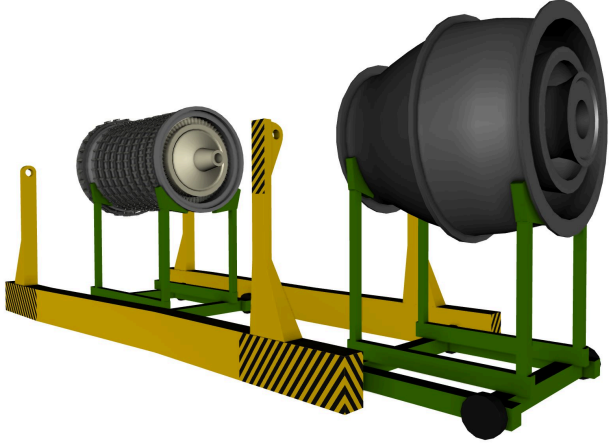
Part number/ Alternative part number	Description	Quantity
M-001	Reductor Module	1
KOR-001	Bolt	1
M-002	Forward SUMP	1
M-003-001	Compressor lower case	1
M-003-000-001	1 Stage compressor blades	1
RING_1	Compressor ring 1	1
	Compressor upper case	1
M-003-003	Copressor rotor	1
T_5	T 5 Rotor crane adaptor	1
M-004	Combustion Chamber	1
M-004-005	Fuel Nozzles	1
M-004-004	Fuel Pipeline	
M-005	Low pressure turbine assembly	1
T-001	Coolong System Pipeline	1
M-005-001	Low pressure turbine	1
M-005-005	LPT rotor	1
T_4	T-4	1
M-002-005	LPT Cover	1
M-005-002-002	LPT lower case	1
M-005-000-003	3 Stage LPT blades	1
LPT_case	LPT Upper Case	1
M-005-003	AFT frame	1
M-006	Outlet Nozzle Module	1
STARTER	Starter	1
RC-002	Reductor Cover (lower)	1
RC-001	Reductor Cover (upper)	1
IN-001	Inlet Nozzle Front	1
IN-002	Inlet Nozzle Rear	1

Part number/ Alternative part number	Description	Quantity
COMPRESSOR_WAY	Compressor module Way	1
WAY	LPT way	1
CC_WAY	Combustion chamber way	1
TURB_WAY	Turbine way	1
SHP_3	Turbine Way Bolt	1
T_1	T-1	1
CRANE_1	Crane 1	1
T_2	T-2	1
T_3	T-3 chain	1

JOB

Nº	Task	Illustration
1	<p>Remove the Upper Reductor Cover.</p> <p>Remove the Lower Reductor Cover.</p> <p>Set-up T-1 and the Crane.</p> <p>Remove 10 bolts.</p> <p>Detach the Reductor Module, using the Crane and T-1.</p> <p>Push away the Reductor Module.</p>	
2	<p>Remove the STARTER.</p> <p>Remove the Fuel Pipeline together with preinstalled Fuel Nozzles.</p> <p>Remove the Cooling System Pipeline.</p>	

№	Task	Illustration
3	<p>Remove the Inlet Nozzle Front.</p> <p>Remove the Inlet Nozzle Rear.</p> <p>Remove the Outlet Nozzle Module.</p>	
4	<p>Bring in the Compressor Way. Bring in the Combustion Chamber Way. Set-up T-2 and the Crane.</p> <p>Unscrew Turbine Way Bolts. Detach the Forward SUMP from the turbine assembly.</p> <p>Push away the Forward SUMP Assembly, using the Crane and T-2.</p>	
5	<p>Set-up T-3 and the Crane. Bring in the LPT Way.</p> <p>Remove the AFT Frame by unscrewing the Turbine Way Bolts.</p> <p>Push away the AFT Frame, using the Crane and the Chain T-3.</p> <p>Move the LPT Way and detach the Low pressure turbine from the assembly.</p> <p>Remove the LPT Upper Case. Set-up the Crane and T-4.</p> <p>Remove the LPT Rotor from the LPT Lower Case with LPT Blades.</p>	

№	Task	Illustration
	<p>Push away the Low Pressure Turbine rotor using the Crane and T-4.</p> <p>Push away the LPT Lower Case with LPT Blades using the LPT Way.</p> <p>Remove the Turbine Way.</p>	
6	<p>Detach the Combustion Chamber, using Combustion Chamber Way.</p>	
7	<p>Remove the Compressor Rings.</p> <p>Remove the Compressor Upper Case.</p> <p>Set-up the Crane and T-5.</p> <p>Remove Compressor Rotor.</p> <p>Push away the Compressor Lower Case with Compressor blades on the Compressor module Way.</p>	