

# SERIAL NUMBER

245G318Q

DESCRIPTION	PART NUMBER	SERIAL NUMBER	ENGINE TSO AT	ENGINE CYCLES AT	PART TIME AT	PART CYCLES AT	TBO	CYCLE LIMIT	TIME REMAINING	CYCLES REMAINING	DESCRIPTION
			INSTALL	INSTALL	INSTALL	INSTALL					
1ST STG DISC & SHAFT	37C311035G005	GATRR687	---	11720	---	3141	---	7000	---	3514	1ST STG DISC & SHAFT
2ND STG DISC	5045T88P01	GATLV645	---	11720	---	3141	---	7000	---	3514	2ND STG DISC
3RD STG DISC	5045T89P01	GATRF482	---	11720	---	3141	---	7000	---	3514	3RD STG DISC
4TH STG DISC	5018T16P01	GATV5005	---	11720	---	5407	---	6600	---	848	4TH STG DISC
5TH STG DISC	5013T79P01	GAT7015	---	11720	---	5407	---	6600	---	848	5TH STG DISC
6TH STG DISC	5013T80P01	GATK3540	---	11720	---	5407	---	6600	---	848	6TH STG DISC
7TH STG DISC	5013T82P01	GATG2237	---	11720	---	5407	---	6600	---	848	7TH STG DISC
8TH STG DISC	5013T83P01	GAT56055	---	11720	---	5407	---	6600	---	848	8TH STG DISC
1ST STG AIR SEAL	646C638P2	HAAC9860	---	11720	---	3141	---	7000	---	3514	1ST STG AIR SEAL
2ND STG SPACER	37D401302P103	GATV0849	---	11720	---	5407	---	6600	---	848	2ND STG SPACER
3RD STG SPACER	37D401303P104	GATJ8567	---	11720	---	5407	---	6600	---	848	3RD STG SPACER
4TH STG SPACER	5013T88P01	GATH8823	---	11720	---	5407	---	6600	---	848	4TH STG SPACER
5TH STG SPACER	5013T89P01	GATM9608	---	11720	---	5407	---	6600	---	848	5TH STG SPACER
6TH STG SPACER	37D401306P105	GATR5789	---	11720	---	5407	---	6600	---	848	6TH STG SPACER
7TH STG SPACER	5013T90P01	GATC1567	---	11720	---	5407	---	6600	---	848	7TH STG SPACER
REAR SHAFT	3007T98G01	HPC13521TQA	---	11720	---	9122	---	13200	---	3733	REAR SHAFT
8TH STG SEAL	37D401510P102	PAMU9619	---	11720	---	3141	---	6600	---	3114	8TH STG SEAL
1ST STG T-WHEEL	5011T75P03	GATB6744	---	11720	---	3216	---	10000	---	6439	1ST STG T-WHEEL
2ND STG T-WHEEL	5011T76P03	GATC1394	---	11720	---	3216	---	10000	---	6439	2ND STG T-WHEEL
TORQUE RING	5011T74G02	PMB45610	---	11720	---	3216	---	10000	---	6439	TORQUE RING
OUTER SEAL	646C590P2	KAY92301	---	11720	---	3216	---	10000	---	6439	OUTER SEAL
INNER SEAL	3002T74P01	HAAA3191	---	11720	---	3216	---	10000	---	6439	INNER SEAL
FAN FWD SHAFT	37D401342P103	JAD2284	---	11720	---	3216	---	10000	---	6439	FAN FWD SHAFT
FAN REAR SHAFT	37D401342P102	JADSWC229	---	11720	---	4411	---	10000	---	5244	FAN REAR SHAFT
FAN DISC	5002T40P01	WYRWDB01613	---	11720	---	3216	---	10000	---	6439	FAN DISC
FRONT FRAME	6003T14G06	KSA6362	0	---	0	---	5000	---	355.9	---	FRONT FRAME
#1 BEARING	5020T20P01	MAB9G906	0	---	0	---	5000	---	355.9	---	#1 BEARING
COMP CASING	6002T49G01	BBELBA1864	0	---	0	---	5000	---	355.9	---	COMP CASING
MAIN FRAME	37D401687G003	KLA4506	0	---	0	---	5000	---	355.9	---	MAIN FRAME
#2 BEARING	4003T99P03	MDAK5132	0	---	0	---	5000	---	355.9	---	#2 BEARING
OUTER COMB CASE	6013T84G11	BBCA6008	---	---	0	---	5000	---	355.9	---	OUTER COMB CASE
COMB LINER	6008T94G03	2705	4056.8	---	0	---	1000	---	412.7	---	COMB LINER
OUTER SHELL	6008T95G01	N/A	4056.8	---	0	---	1000	---	412.7	---	OUTER SHELL
INNER SHELL	5016T30G02	N/A	4056.8	---	0	---	1000	---	412.7	---	INNER SHELL
TUBINE CASE	6006T83G03	GATJ0987	4056.8	---	3818.7	---	5000	---	594	---	TUBINE CASE
1ST STG NOZZLE	6004T01P31	GGM03898	3177.8	---	2409.7	---	5000	---	1124	---	1ST STG NOZZLE
2ND STG NOZZLE	3901T62P01	GGM00147	4056.8	---	1478.1	---	5000	---	2934.6	---	2ND STG NOZZLE
2ND STG NOZZLE	6006T90G01	GGM006148	4056.8	---	0	---	5000	---	4412.7	---	2ND STG NOZZLE
#3 BEARING	5014T13P06	MDAL0644	0	---	0	---	5000	---	355.9	---	#3 BEARING
FAN FRONT FRAME	4010T19G10	GEP354	0	---	0	---	5000	---	355.9	---	FAN FRONT FRAME
#4 BEARING	5040T17P01	MAB7G854	0	---	0	---	5000	---	355.9	---	#4 BEARING
FAN REAR FRAME	6002T42G06	GEP349	0	---	0	---	5000	---	355.9	---	FAN REAR FRAME
#5 BEARING	5053T36P01	MDAGA160	0	---	0	---	5000	---	355.9	---	#5 BEARING
FAN NOZZLE	6002T68P23	GGM01244	3177.8	---	2409.7	---	5000	---	1124	---	FAN NOZZLE
EXHAUST CONE	N/A	---	0	---	---	---	5000	---	---	---	EXHAUST CONE
ACCESSORY GEARBOX	6004T40G12	HPC10253	4056.8	---	3577.4	---	5000	---	835.3	---	ACCESSORY GEARBOX
TRANSFER GEARBOX	5005T80G16	WIA906	0	---	0	---	5000	---	355.9	---	TRANSFER GEARBOX
FUEL CONTROL	5001T39G29	GAT45022	2587.4	---	2203.83	---	5000	---	739.47	---	FUEL CONTROL
FUEL PUMP	9234-AB	611706	4056.8	---	3948.5	---	5000	---	484.2	---	FUEL PUMP
OVERSPEED GOVERNOR	8005-016	1193488	3895.6	---	2323.3	---	3000	---	-71.8	---	OVERSPEED GOVERNOR
LUBE & SCAV PUMP	37R601209P109	495-B	0	---	U	---	5000	---	355.9	---	LUBE & SCAV PUMP
#4 SCAVENGE PUMP	4003T54P01	NMA02519	4056.8	---	3292.8	---	5000	---	1118.9	---	#4 SCAVENGE PUMP
#5 SCAVENGE PUMP	4003T54P01	7GR672	0	---	0	---	5000	---	355.9	---	#5 SCAVENGE PUMP
ANTI-ICE VALVE	37D401642P103	1969	0	---	0	---	5000	---	355.9	---	ANTI-ICE VALVE
IGNITION UNIT	43487	GJAO0136	994.6	---	0	---	5000	---	1350.5	---	IGNITION UNIT
EGT HARNESS	6012T16P01	GUB1036	U	---	U	---	5000	---	355.9	---	EGT HARNESS

TBO: 5000  
 HSI: 1000  
 CORROSION DUE: 11/5/2030  
 HSI DUE: 412.7

ENGINE TSN: 15870.2  
 TSO: 4644.1  
 CSN: 12065  
 CSO: 3205

FAN TSN: 15870.2  
 TSO: 4644.1  
 CSN: 12065  
 CSO: 3205

LAST HSI 15282.9

Date 9/24/21

# SERIAL NUMBER

245G318Q

DESCRIPTION	PART NUMBER	SERIAL NUMBER	ENGINE TSO AT	ENGINE CYCLES AT	PART TIME AT	PART CYCLES AT	TBO	CYCLE LIMIT	TIME REMAINING	CYCLES REMAINING	DESCRIPTION
			INSTALL	INSTALL	INSTALL	INSTALL					
1ST STG DISC & SHAFT	37C311035G005	GATRR687	---	11720	---	3141	---	7000	---	3859	1ST STG DISC & SHAFT
2ND STG DISC	5045T88P01	GATLV645	---	11720	---	3141	---	7000	---	3859	2ND STG DISC
3RD STG DISC	5045T89P01	GATRF482	---	11720	---	3141	---	7000	---	3859	3RD STG DISC
4TH STG DISC	5018T16P01	GATV5005	---	11720	---	5407	---	6600	---	1193	4TH STG DISC
5TH STG DISC	5013T79P01	GAT7015	---	11720	---	5407	---	6600	---	1193	5TH STG DISC
6TH STG DISC	5013T80P01	GATK3540	---	11720	---	5407	---	6600	---	1193	6TH STG DISC
7TH STG DISC	5013T82P01	GATG2237	---	11720	---	5407	---	6600	---	1193	7TH STG DISC
8TH STG DISC	5013T83P01	GATS6055	---	11720	---	5407	---	6600	---	1193	8TH STG DISC
1ST STG AIR SEAL	646C638P2	HAAC9860	---	11720	---	3141	---	7000	---	3859	1ST STG AIR SEAL
2ND STG SPACER	37D401302P103	GATV0849	---	11720	---	5407	---	6600	---	1193	2ND STG SPACER
3RD STG SPACER	37D401303P104	GATJ8567	---	11720	---	5407	---	6600	---	1193	3RD STG SPACER
4TH STG SPACER	5013T88P01	GATH8823	---	11720	---	5407	---	6600	---	1193	4TH STG SPACER
5TH STG SPACER	5013T89P01	GATM9608	---	11720	---	5407	---	6600	---	1193	5TH STG SPACER
6TH STG SPACER	37D401306P105	GATR5789	---	11720	---	5407	---	6600	---	1193	6TH STG SPACER
7TH STG SPACER	5013T90P01	GATC1567	---	11720	---	5407	---	6600	---	1193	7TH STG SPACER
REAR SHAFT	3007T98G01	HPC13521TOA	---	11720	---	9122	---	13200	---	4078	REAR SHAFT
8TH STG SEAL	37D401510P102	PAMJ9619	---	11720	---	3216	---	10000	---	6784	8TH STG SEAL
1ST STG T-WHEEL	5011T75P03	GATB6744	---	11720	---	3216	---	10000	---	6784	1ST STG T-WHEEL
2ND STG T-WHEEL	5011T76P03	GATC1394	---	11720	---	3216	---	10000	---	6784	2ND STG T-WHEEL
TORQUE RING	5011T74G02	PMB45610	---	11720	---	3216	---	10000	---	6784	TORQUE RING
OUTER SEAL	646C590P2	KAY92301	---	11720	---	3216	---	10000	---	6784	OUTER SEAL
INNER SEAL	3002T74P01	HAAA3191	---	11720	---	3216	---	10000	---	6784	INNER SEAL
FAN FWD SHAFT	37D401342P103	JAD2284	---	11720	---	3216	---	10000	---	6784	FAN FWD SHAFT
FAN REAR SHAFT	37D401342P102	JADSWC229	---	11720	---	3216	---	10000	---	5589	FAN REAR SHAFT
FAN DISC	5002T40P01	WYRWDB01613	---	11720	---	4411	---	10000	---	6784	FAN DISC
FRONT FRAME	6003T14G06	KSA6352	0	---	---	---	5000	---	943.2	---	FRONT FRAME
#1 BEARING	5020T20P01	MAB9G906	0	---	---	---	5000	---	943.2	---	#1 BEARING
COMP CASING	6002T49G01	BBELBA1864	0	---	---	---	5000	---	943.2	---	COMP CASING
MAIN FRAME	37D401687G003	KLA4506	0	---	---	---	5000	---	943.2	---	MAIN FRAME
#2 BEARING	4003T99P03	MDAK5132	0	---	---	---	5000	---	943.2	---	#2 BEARING
OUTER COMB CASE	6013T84G11	BBCA6008	0	---	---	---	5000	---	943.2	---	OUTER COMB CASE
COMB LINER	6008T94G03	2705	4056.8	---	---	---	1000	---	1000	---	COMB LINER
OUTER SHELL	6008T95G01	N/A	4056.8	---	---	---	1000	---	1000	---	OUTER SHELL
INNER SHELL	5016T30G02	N/A	4056.8	---	---	---	1000	---	1000	---	INNER SHELL
TUBINE CASE	6006T83G03	GATJ0987	4056.8	---	---	---	5000	---	1181.3	---	TUBINE CASE
1ST STG NOZZLE	6004T01P31	GGM03898	3177.8	---	3818.7	---	5000	---	1711.3	---	1ST STG NOZZLE
2ND STG NOZZLE	3901T62P01	GGM00147	4056.8	---	2409.7	---	5000	---	3521.9	---	2ND STG NOZZLE
2ND STG NOZZLE	6006T90G01	GGM006148	4056.8	---	1478.1	---	5000	---	5000	---	2ND STG NOZZLE
#3 BEARING	5014T13P06	MDAL0644	0	---	---	---	5000	---	943.2	---	#3 BEARING
FAN FRONT FRAME	4010T19G10	GEP354	0	---	---	---	5000	---	943.2	---	FAN FRONT FRAME
#4 BEARING	5040T17P01	MAB7G854	0	---	---	---	5000	---	943.2	---	#4 BEARING
FAN REAR FRAME	6002T42G06	GEP349	0	---	---	---	5000	---	943.2	---	FAN REAR FRAME
#5 BEARING	5053T36P01	MDAGAT60	0	---	---	---	5000	---	943.2	---	#5 BEARING
FAN NOZZLE	6002T68P23	GGM01244	3177.8	---	---	---	5000	---	1711.3	---	FAN NOZZLE
EXHAUST CONE	N/A	---	0	---	2409.7	---	5000	---	---	---	EXHAUST CONE
ACCESSORY GEARBOX	6004T40G12	HPC10253	4056.8	---	---	---	5000	---	1422.6	---	ACCESSORY GEARBOX
TRANSFER GEARBOX	5005T80G16	WIA906	0	---	3577.4	---	5000	---	943.2	---	TRANSFER GEARBOX
FUEL CONTROL	5001T39G29	GAT45022	2587.4	---	0	---	5000	---	1326.77	---	FUEL CONTROL
FUEL PUMP	9234-A8	611706	4056.8	---	2203.83	---	5000	---	1051.5	---	FUEL PUMP
OVERSPEED GOVERNOR	8005-016	1193488	3895.6	---	3948.5	---	3000	---	515.5	---	OVERSPEED GOVERNOR
LUBE & SCAV PUMP	37R601209P109	495-B	0	---	2323.3	---	5000	---	943.2	---	LUBE & SCAV PUMP
#4 SCAVENGE PUMP	4003T54P01	NMA02519	4056.8	---	0	---	5000	---	1707.2	---	#4 SCAVENGE PUMP
#5 SCAVENGE PUMP	4003T54P01	7GR672	0	---	3292.8	---	5000	---	943.2	---	#5 SCAVENGE PUMP
ANTI-ICE VALVE	37D401642P103	1969	0	---	0	---	5000	---	943.2	---	ANTI-ICE VALVE
IGNITION UNIT	43467	GJAO0136	994.6	---	0	---	5000	---	1937.8	---	IGNITION UNIT
EGT HARNESS	6012T16P01	GUB1036	0	---	0	---	5000	---	943.2	---	EGT HARNESS

TBO: 5000  
 HSI: 1000  
 CORROSION DUE: 11/5/2030  
 HSI DUE: 1000

LAST HSI 15282.9

ENGINE

TSN: 15282.9  
 TSO: 4056.8  
 CSN: 11720  
 CSO: 2860

FAN

TSN: 15282.9  
 TSO: 4056.8  
 CSN: 11720  
 CSO: 2860

Date 11/17/20

1. Approving Civil Aviation  
Authority/Country:

FAA/United States

# Authorized Release Certificate

FAA Form 8130-3

AIRWORTHINESS APPROVAL TAG

3747

4. Organization



International Turbine Industries  
2890 Tyler Rd., Ypsilanti, MI 48198  
Repair Station # 21TR324B

5. Work Order, Contract, or Invoice  
Number:

3747

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	General Electric Engine	CF700-2D2	1	245G318Q	Inspected

12. Remarks

Complied with Hot Section Inspection, LCF requirements and 300/600 hour Inspection IAW SEI 186 and SEI 136

TSN:15282.9 TSO:4056.8 CSN:11720 CSO:2860

13a. Certifies that the items identified above were manufactured in conformity to:

☐ Approved design data and are in a condition for safe operation.

☐ Non-approved design data specified in Block 12.

14a.

☒ 14 CFR 43.9 Return to Service

☐ Other regulations specified in Block 12

Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:

13c. Approval/Authorization No.:

14b. Authorized Signature:

14c. Certificate Number:

21TR324B

13d. Name (Typed or Printed):

13e. Date (m/d/y):

14d. Name (Typed or Printed)

14e. Date (dd/mm/yyyy):

Michael Pagel

05 NOV 2020

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s) article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

IATA FOR TRAINING USE ONLY

1. Approving Civil Aviation  
Authority/Country:

FAA/United States

**Authorized Release Certificate**  
FAA Form 8130-3  
AIRWORTHINESS APPROVAL TAG

3. System Tracking Ref. No.

3747

4. Organization



International Turbine Industries  
2890 Tyler Rd., Ypsilanti, MI 48198  
Repair Station # 2ITR324B

5. Work Order, Contract, or Invoice  
Number:

3747

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	2nd Stage Nozzle	6006T90G01	1	GGM006148	OVERHAULED

12. Remarks

Complied with Overhaul IAW SEI 133.  
TSO: 00.0

13a. Certifies that the items identified above were manufactured in conformity to:

☐ Approved design data and are in a condition for safe operation.

☐ Non-approved design data specified in Block 12.

14a.

☒ 14 CFR 43.9 Return to Service ☐ Other regulations specified in Block 12

Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:

13c. Approval/Authorization No.:

14b. Authorized Signature

14c. Certificate Number:

13d. Name (Typed or Printed):

13e. Date (m/d/y):

14d. Name (Typed or Printed)

14e. Date (dd/mmm/yyyy):

Michael Pagel

4 NOV 2020

User/installer Responsibilities

It is important to understand the existence of this document does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s) article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do no constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.