



CT7-2E TEMPORARY REVISION - 05-0017

Dated: 10/03/2023

MM 05-11-03, SERVICE LIFE LIMITS 004

GAS GENERATOR TURBINE ROTOR PARTS - SERVICE LIFE LIMITS

SUBJECT: GAS GENERATOR TURBINE ROTOR PARTS - SERVICE LIFE LIMITS
REASON: This Temporary Revision (TR) adds the data from TR 05-0017 which changes the Life Limits for Stage 2 Turbine Aft Cooling Plate PN 5166T27P01.
FILING INSTRUCTIONS: Put this TR in the CT7-2E Maintenance Manual, GEK 112043-02, replacing 05-11-03, SERVICE LIFE LIMITS 004, dated May 31/2017. Record this TR in the Record of Temporary Revisions. Update your media via the GE Aviation Web portal.

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*** * * FOR CT7-2E1**

TASK 05-11-03-200-807

1. General Information.

This section contains the FAA approved service life limits for the gas generator turbine rotor parts. The remaining service life (in cycles) is to be determined by subtracting the accumulated total flight cycles from the life limit cycles stated for each part listed in paragraph 2. Refer to 05-11-00, SERVICE LIFE LIMITS 004 for the definition and calculation of cycle count. The operator is responsible to be sure that the cycle limited parts are not used beyond their cycle limit.

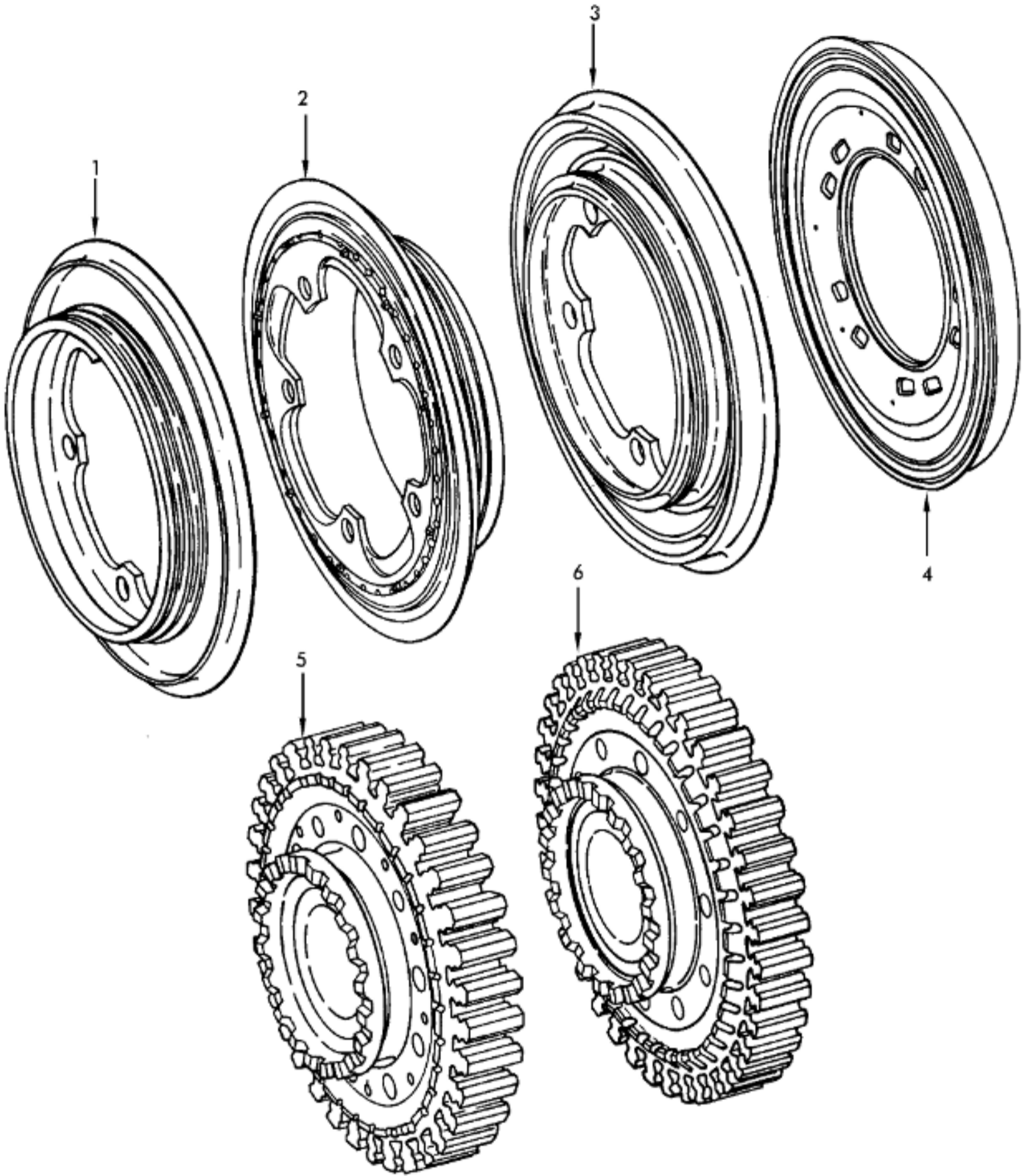
2. Service Life Limits for Gas Generator Turbine Rotor Parts.

Refer to Figure 1.

These life limits have been established assuming CT7-2E1 mission profiles representative of an AW189 Helicopter Application and an aircraft transmission limit of 355.5 lb-ft for All Engine Operation.

Figure Item Number	Nomenclature	Part Number	Life Limits (Cycles Since New)
1	Stage 1 Turbine Forward Cooling Plate	4185T23P01	7,500
2	Stage 1 Turbine Aft Cooling Plate	4185T24P01	7,500
3	Stage 2 Turbine Forward Cooling Plate	4106T80P03	7,500
4	Stage 2 Turbine Aft Cooling Plate	5166T27P01	3,100
5	Stage 1 Turbine Disk	4185T13P01	7,500
6	Stage 2 Turbine Disk	4185T14P01	6,800

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Figure 1 Gas Generator Turbine Rotor Parts (Typical) - Service Life Limits

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