EXTEX

Engineered Products

T-705 Instructions For Continued Airworthiness

Extex Engineered Products

ICA

P/N(s): TAI-4011-105-001
TAI-4011-105-103

Revision: A **Issued: 2/1/2018**

Subject:	Airworthiness Limitations
EXTEX Part Numbers:	TAI-4011-105-001, TAI-4011-105-103
Installations:	Bell Helicopter 204B, 205A-1, 212 Northwest Rotorcraft UH-1H Tamarack Helicopters Inc. UH-1H Rotorcraft Development Corporation UH-1H OAS Parts LLC UH-1H JJASPP Engineering Services LLC UH-1H Arrow Falcon Exporters, Inc. UH-1H
Revision History:	IR – Dated 6/28/2016 Initial Release. A- Dated 2/1/2018 Revised to include UH-1H models
Reason:	This document sets forth the FAA-approved mandatory replacement times for the life-limited parts listed herein.
Description:	The schedule below summarizes the airworthiness limitations of the parts/articles shown. The airworthiness life shown is the maximum time these parts/articles may remain in service. They must be removed from service before the airworthiness life is exceeded.
Applicability:	See Table Below.
General Instructions:	1. Refer to the TCH published data for instructions for engine disassembly, cleaning, inspection, rework, assembly, operation and testing. 2. All work must be performed at an FAA approved repair facility.
FAA Approval:	Approved By: _____ Manager, Federal Aviation Administration Los Angeles Aircraft Certification Office Date of Approval: 7/11/18
Notes:	Return parts that have attained their maximum airworthiness life to EXTEX. Please contact your EXTEX representative with any questions.

As part of the FAA approval process, EXTEX demonstrated that the Type Certificate Holders' (TCH) Instructions for Continued Airworthiness (ICA's), except for airworthiness limitations, are applicable to EXTEX replacement parts/articles. The airworthiness limitations applicable to EXTEX parts/articles have been substantiated through test to be the same as those of the TCH articles and are as follows:

Airworthiness Limitation Schedule

The Airworthiness Limitations section is FAA approved and specifies maintenance required under CFR 14 part 43.16 and 14 CFR part 91.403 of the Federal Aviation Regulations, unless an alternative program has been FAA approved
The airworthiness life or inspection interval for any part/article contained in this schedule applies to all successive dash numbers for that component unless it is otherwise specified.

For UH-1H models, refer to SAIB SW-05-37 and AD 2002-01-31 for additional information.

Nomenclature	Part Number	Application	Hours Time In Service Life Limit	RIN Life Limit
Main Rotor Trunnion	TAI-4011-105-001	204B, 205A-1, 212	15,000	265,000
Main Rotor Trunnion	TAI-4011-105-103	212	13,000	240,000
Main Rotor Trunnion	TAI-4011-105-001	UH-1H	15,000	300,000

Retirement Index Number (RIN) is the retirement life based on fatigue damage from normal helicopter lifts and takeoffs. New components will begin with an accumulated RIN of zero that will be increased as lifts and takeoffs are performed. Operators must record the number of lifts and takeoffs and increase the accumulated RIN accordingly. When the maximum RIN or retirement flight hours are is reached, whichever occurs first, the component will be removed from service.

Table 1 Trunnion RIN Calculation Based on Takeoffs and External Load Lifts

Trunnion A/C Model Installation	Trunnion P/N	No. of Takeoffs	RIN Factor Per Takeoff	Total Takeoff RIN	No. of External Load Lifts	RIN Factor Per External Load Lift	Total Lift RIN	Accumulated RIN
(A)	(B)	(C)	(D)	(E) =(C)x(D)	(F)	(G)	(H) =(F)x(G)	(I) =(E)+(H)
204B (≤1100 T.O hp SLS)	TAI-4011-105-001		2			4		
204B (≥1100 T.O hp SLS)	TAI-4011-105-001		Contact EXTEX			Contact EXTEX		
205A1 (≤1250 T.O hp SLS)	TAI-4011-105-001		5			10		
205A1 (≥1250 T.O hp SLS)	TAI-4011-105-001		Contact EXTEX			Contact EXTEX		
212 (≤1290 T.O hp SLS)	TAI-4011-105-001		5			10		
212 (≥1290 T.O hp SLS)	TAI-4011-105-001		Contact EXTEX			Contact EXTEX		
212 (≤1350 T.O hp SLS)	TAI-4011-105-103		6			12		
205A1 (≥1350 T.O hp SLS)	TAI-4011-105-103		Contact EXTEX			Contact EXTEX		
UH-1H (1100 T.O hp SLS)	TAI-4011-105-001		5			10		

Using Table 1, calculate the accumulated RIN of the Trunnion as follows and enter on the Trunnion's life tracking card:

1. Enter the total number of takeoffs for the particular trunnion model/helicopter model combination in column (C).

2. Multiply the value entered in column (C) by the RIN factor listed in column (D), and enter the result in column (E). This is the accumulated RIN due to takeoffs.
3. Enter the total number of external load lifts for the particular trunnion model/helicopter model combination in column (F)
4. Multiply the value in column (F) by the RIN factor listed in column (G), and enter the result in column (H). This is the accumulated RIN due to external load lifts.
5. Add the values from column (E) and column (H) and enter the result in column (I). This is the total accumulated RIN for the trunnion. Enter this number under the appropriate column in the aircraft log book (if tracking by each flight) and the supplied trunnion life card (when removed/reinstalled).

Note: Type Certificate Holder or TCH is commonly known as Original Equipment Manufacturer, or OEM; however, in this case, TCH also refers to organizations that obtained Restricted Category Type Certificates for military models.

Refer to the TCH Instructions for Continued Airworthiness (ICA's) for any additional inspection requirements.