



Alert Service Bulletin

20 August, 2014

47-14-25

MODELS AFFECTED: Bell 47 Series

SUBJECT:

Texas Helicopter Co. engine mount, 74-612-171-115, -115C or 74-612-171-123, -123C Retirement Life, Reduction of.

HELICOPTERS AFFECTED:

All Bell Helicopter Model 47 Helicopters and all other helicopters with the subject engine mount installed.

COMPLIANCE:

See attached Texas Helicopter Co. Safety Bulletin No. 004.

DESCRIPTION:

Texas Helicopter Co. has informed Scott's – Bell 47, Inc. of a retirement life reduction applicable to the subject engine mounts. This ASB is issued to distribute THC SB No. 004, attached, and to ensure that all Scott's – Bell 47, Inc. customers are made aware of this situation. Please refer to THC SB No. 004 for additional information.



Safety Bulletin

20 August, 2014

No: 004

Helicopters Affected:

All Bell Helicopter Model 47 and all other helicopters with engine mount P/N 74-612-171-115; -115C or -123; -123C installed.

Engine Mounts Affected:

All Texas Helicopter Co. engine mounts except those bearing manufacturer's serial number AM12-(All) which are produced with improved manufacturing processes and are unaffected by this bulletin.

Compliance:

Immediately upon release of this bulletin.

Description:

Evaluation of field service history has revealed an unacceptable trend of in-service cracking of the engine mount. All cracks have been found by pre-flight check in accordance with Texas Helicopter Co. Air Safety Bulletin No. 001, dated 3/07/96 and no safety of flight or controllability issue has been reported. This bulletin introduces a reduction in the airworthiness life of the affected mounts to 600 hours total time in service.

Affected mounts which have already reached the new airworthiness life shall be scrapped within 100 hours or 120 days, whichever occurs first.

Warranty:

Owners or operators who comply with this bulletin before 31 Dec. 2014 are eligible for the following reduction in list price upon:

- a) Purchase of replacement engine mount from Texas Helicopter Co. through its distributorship, Scott's Helicopter Services.
 - b) Return of the affected Engine Mount and its Hard Card to Texas Helicopter Co.'s distributorship, Scott's Helicopter Services.
1. Engine mounts that have accumulated 600 hours of time in service and were first installed within three (3) years prior to the release date of this SB shall receive a 35% credit against a replacement engine mount.
 2. Engine mounts that have accumulated 600 hours of time in service and were first installed within eight (8) years prior to the release of this SB shall receive a 25% credit against a replacement engine mount.

Accomplishment Instructions:

1. Review helicopter technical records and spares to identify affected engine mounts.
2. Remove from service affected engine mounts that have reached or exceeded the new airworthiness life as described in this safety bulletin and ship, together with the Hard Card, to Texas Helicopter Co.'s distributorship, Scott's Helicopter Services. Shipping costs will be covered, please call for details. Refer to the applicable Bell 47 M&O manual for removal and replacement instructions.
3. Make an entry in the helicopter and component historical record confirming compliance with this safety bulletin.
4. For affected engine mounts not in service or that have accumulated less than 600 hours of time in service, annotate the historical record to indicate the new airworthiness life and compliance with this safety bulletin.
5. The pre-flight check requirements of Texas Helicopter Co. Air Safety Bulletin No. 001 remain in effect and are unaffected by this bulletin.
6. For additional information and ordering of new engine mounts, please contact Texas Helicopter Co. through its distributorship, Scott's Helicopter Services.
Tel: 507-665-6149
Email: sobrien@scottsbell47.com