

Subject: DECOMATIC Titanium Bolts

Ref. Publications:

Airbus Helicopters Safety Information Notice No. 3365-S-00 Revision 2 dated 24 March 2020.
Commission Regulation (EU) No. [748/2012](#), Part 21.A.3A, Failures, malfunctions and defects, dated 03 August 2012.

Applicability:

All aeronautical products.

Description:

The standard parts manufacturer DECOMATIC manufactured, between May 2013 and December 2013, some standard titanium bolts, Part Numbers (P/N) as listed in Appendix 1 of this SIB (hereafter referred to as “affected parts” in this SIB) according to an improper heat treatment process. As a consequence, hydrogen embrittlement of the affected parts may occur at a rate above the allowable limits, which can lead to premature failure.

This SIB is published to ensure awareness of this topic among all manufacturers, maintenance organisations and operators.

Risk assessment actions are on-going and, depending on the outcome, EASA may consider taking AD action(s) for specific aircraft types.

Recommendation(s):

EASA recommends that maintenance and production organisations check their parts inventories to determine if any affected parts are present. If found, all affected parts should be scrapped, as well as any other affected part whose manufacturing date is unknown.

EASA also recommends that maintenance and production organisations determine if they previously installed any affected parts on aeronautical products.

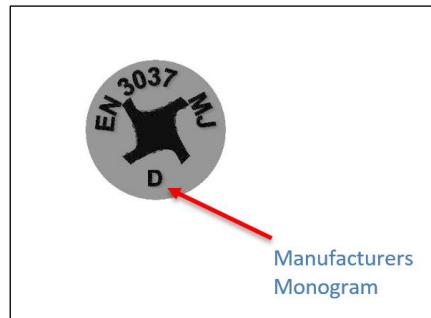
In case affected parts are found to have been installed, this should be reported to the Type Certificate (TC) or Supplemental Type Certificate (STC) holder of the affected design or design change, as applicable, including reference to this SIB.

TC and STC holders are expected to investigate their approved design data and all instances reported to them by any organisation to determine if any affected part is or may be installed on their products and if an unsafe condition exists or could develop.

This is information only. Recommendations are not mandatory.



The affected parts can be identified by the monogram “D” on the head of the bolt as shown on the following picture:



Contact:

For further information contact the EASA Programming and Continued Airworthiness Information Section, Certification Directorate, E-mail: ADs@easa.europa.eu.

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Appendix 1

P/N of affected DECOMATIC titanium bolts,
manufactured between May 2013 and December 2013

EN2549	EN3008	EN3381	EN3820
EN2549-060003F	EN3308-040020F	EN3381-040011RF	EN3820-040004F
EN2549-060018F	EN3308-040022F	EN3381-060006AF	EN3820-050006
EN2549-060024F	EN3308-050030F	EN3381-060007AF	EN3820-050016F
EN2549-080013F	EN3308-050042F	EN3381-060011AF	EN3820-050026
EN2549-080015F	EN3308-050044F	EN3381-060013AF	EN3820-050026F
EN2549-080020F	EN3308-060020F	EN3381-060014AF	EN3820-080015F
EN2549-100014F	EN3308-100020F	EN3381-060015AF	EN3820C080056F
EN2549D050046F	EN3308H080044F	EN3381-060016AF	EN3820C080060F
EN2549D060012F		EN3381-060017AF	EN3820D060013F
EN2549D060013F	EN3037	EN3381-060018AF	EN3820D060018F
EN2549D060036F	EN3037-030012AF	EN3381-060019AF	EN3820D060032F
EN2549D060040F	EN3037-040005AF	EN3381-060036RF	
EN2549D080030F	EN3037-050005AF		EN4072
EN2549D100021F	EN3037-050009AF	EN3740	EN4072-060018AE
EN2549D180042F	EN3037-050012AF	EN3740-060020F	EN4072-060020AE
EN2549H050008F	EN3037-050016RF	EN3740-060022F	EN4072-060028AE
EN2549H050009F	EN3037-050018RF		
EN2549H060008	EN3037-060040AF	EN4130	EN4127
EN2549H060009F		EN4130-050010	EN4127-050017
EN2549H060016F		EN4130-060016	EN4127-060030

Various according LN	Various
LN29784-04X04	38470TX040007XA
LN29787-04026	DIN65265A05008A
LN29787-05030	MBBN3033K08036T
LN29943-06003	PAN3021-05026
LN29943-06016	PUR07619-00/001
LN29943K08022	SPLN29943KS16038
LN29956-05020A	AE41537H002
LN29957-06003A	DIN65179-06-006A
LN9386-05015	
LN9442M4X18A	
LN29943S10020	
LN29956S06020A	
LN29957-05008A	
LN29957-05029A	
LN29957-05040A	
LN9442M5X20	
LN9442M5X25	

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Various according STD	Various according EN	Torx (TX)
STD4305-050018	EN4133H060074	22125TX080055XA
STD4305-080013	EN4178-060006F	22201TX050003XA
STD4337-050022	EN2549-080010F	22201TX050012XA
STD4337-050024	EN2549H050005F	22201TX050100XA
STD4337-050026	EN2549H060008F	22201TX060004XA
STD4365-080026	EN2549H060015F	22201TX060008XA
STD4305-050034	EN3308-100022F	22201TX060014XA
STD4305-050040	EN3308H060028F	22201TX080011XA
STD4305-050050	EN3308H060046F	22208TX050014XA
STD4305-050052	EN3381-060004RF	22208TX060008XA
STD4305-050054	EN3381-060024RF	22220TX040028
STD4305-080007	EN3740-060020	22220TX050016XA
STD4305-080018	EN3820-050006F	22220TX050020XA
STD4305-080020	EN4072-060022AE	22251TX060050XA
STD4305-080022	EN4072-060032AE	22252TX050014XA
STD4305-080024	EN4072-060034AE	22252TX050017XA
STD4305-080026	EN4072-060036AE	22258TX050004XA
STD4305-080030	EN4072-080008AE	22258TX050005XA
STD4305-080046	EN4127-050017E	22258TX050007XA
STD4336-050004	EN4127-060030E	22258TX050017XA
STD4336-050005	EN4130-050010E	22258TX050040XA
STD4336-050006	EN4130-060016E	22258TX060010XA
STD4336-050007	EN4133H060074E	22258TX060012XA
STD4336-050012		22274TX050017XA
STD4336-050015		22274TX050018XA
STD4336-050018		22274TX060020XA
STD4336-050020		22275TX050050XA
STD4336-050032		22731TX060012XA
STD4336-050034		
STD4336-050036		
STD4336-050038		
STD4336-050040		
STD4365-080013		
STD4365-080014		
STD4365-080015		
STD4365-080019		
STD4365-080020		

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