

EAGLE TECHNICAL BULLETIN

REF. TCCA STC: SH16-9
REF. FAA STC: SR03706NY

Eagle Technical Bulletin Number: 1003-TB-001

Purpose: To provide alternate parts to reduce pull force of IBF Manual Release

Eligible Serial Numbers: 53585, 53494, 53868, 53641, 53467


Compliance: At the next convenient Maintenance Interval if it is discovered that the Manual Release Cable Pull Forces exceed 25 lbs.

Description:

Eagle Copters has developed this Technical Bulletin to replace the 1003-03-007-1 Barrel Lock with the 1003-03-007-3 Barrel Lock and the 1003-02-016-1 Cable Release Mechanism with the 1003-02-016-3 Cable Release Mechanism to reduce the pull force of the IBF Manual Release. Compliance with this Technical Bulletin requires the parts listed in Table 1 below.

Parts List:

TABLE 1

QTY -011	PART NUMBER	DESCRIPTION
X	1003-TB-001-011	MANUAL RELEASE UPGRADE KIT
1	1003-03-007-3	BARREL LOCK
1	1003-02-016-3	CABLE RELEASE MECHANISM
2	MS24665-132 	COTTER PIN

Weight and Balance:

The incorporation of this TB has a negligible effect on the aircraft weight and balance.


CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 16.11.18
CERT. NO.: SH16-9
ISSUE NO.: 1

APPROVED

B	UPDATED PART NUMBER, WAS: MS27975-4, NOW: MS24665-132	WK	16.11.18
A	NEW ISSUE	VS	16.07.20
REV.	DESCRIPTION	BY	DATE
DESIGN	VS	EAGLE COPTERS LTD CALGARY, ALBERTA, CANADA	
DRAWN	WK		
CHECKED	VS	DRAWING NO.	REV. B
MFG. APPR.	N/A	1003-TB-001	SHEET 1 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.	DS 	MANUAL RELEASE UPGRADE	NTS
DATE	16.11.18	COPYRIGHT © 2016 BY EAGLE COPTERS LTD. <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	

Procedure:

1. Gain access to the 1003-02-001-1 Bypass Assembly and remove per 1003-CA-001 and retain hardware.
2. Remove the 1003-03-007-1 Barrel Lock by removing the hardware shown in Figure 1. Retain hardware.
3. Install the 1003-03-007-3 Barrel Lock in place of the 1003-03-007-1 Barrel Lock using previously retained hardware per Figure 1.

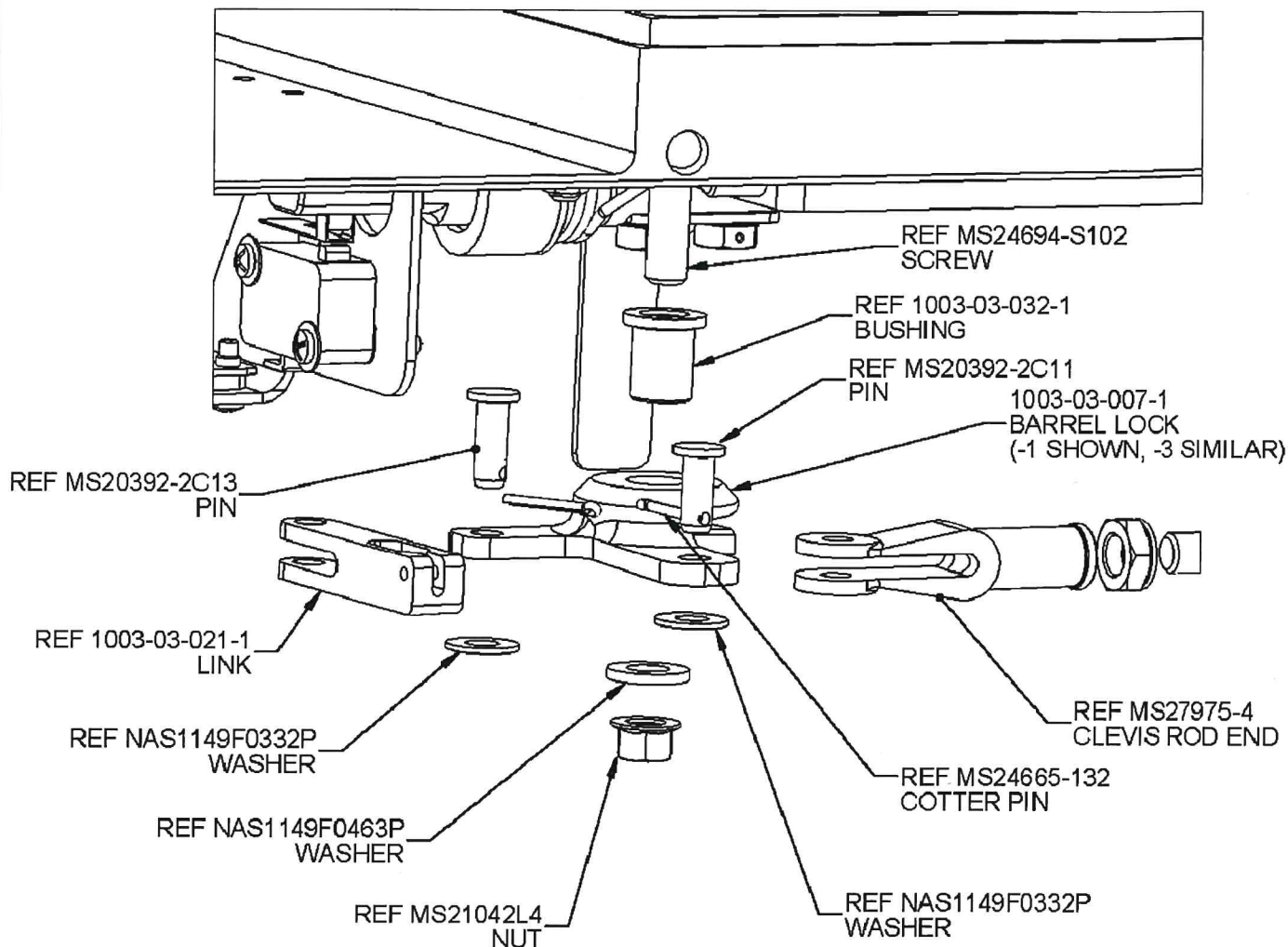


FIGURE 1 - 1003-03-007-1 BARREL LOCK REPLACEMENT

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 16.11.18
CERT. NO.: SH16-9
ISSUE NO.: 1

APPROVED

DESIGN	VS	EAGLE COPTERS LTD CALGARY, ALBERTA, CANADA	
DRAWN	WK		
CHECKED	VS	DRAWING NO.	REV. B
MFG. APPR.	N/A	1003-TB-001	SHEET 2 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.	DS <i>[Signature]</i>	MANUAL RELEASE UPGRADE	NTS
DATE	16.11.18	<small>COPYRIGHT © 2016 BY EAGLE COPTERS LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	

4. Detach the 1003-03-224-1 Manual Release Cable per 1003-CA-001.
5. Remove the 1003-02-016-1 Cable Release Mechanism per 1003-CA-001.
6. Install the 1003-02-016-3 Cable Release Mechanism in place of the 1003-02-016-1 Cable Release Mechanism per Figure 2.
7. Re-install the 1003-02-001-1 Bypass Assembly on the aircraft per 1003-CA-001.
8. Re-install the 1003-03-224-1 Manual Release Cable per 1003-CA-001
9. With power applied to the aircraft, pull the bypass door handle and verify bypass door opens with a pull force of 25 lbs or less.
10. Notify Eagle Copters that this Technical Bulletin has been accomplished by filling out the attached form (sheet 4) and emailing it back to Eagle Copters.
11. Make entry into aircraft technical reports to indicate 1003-TB-001 has been accomplished.

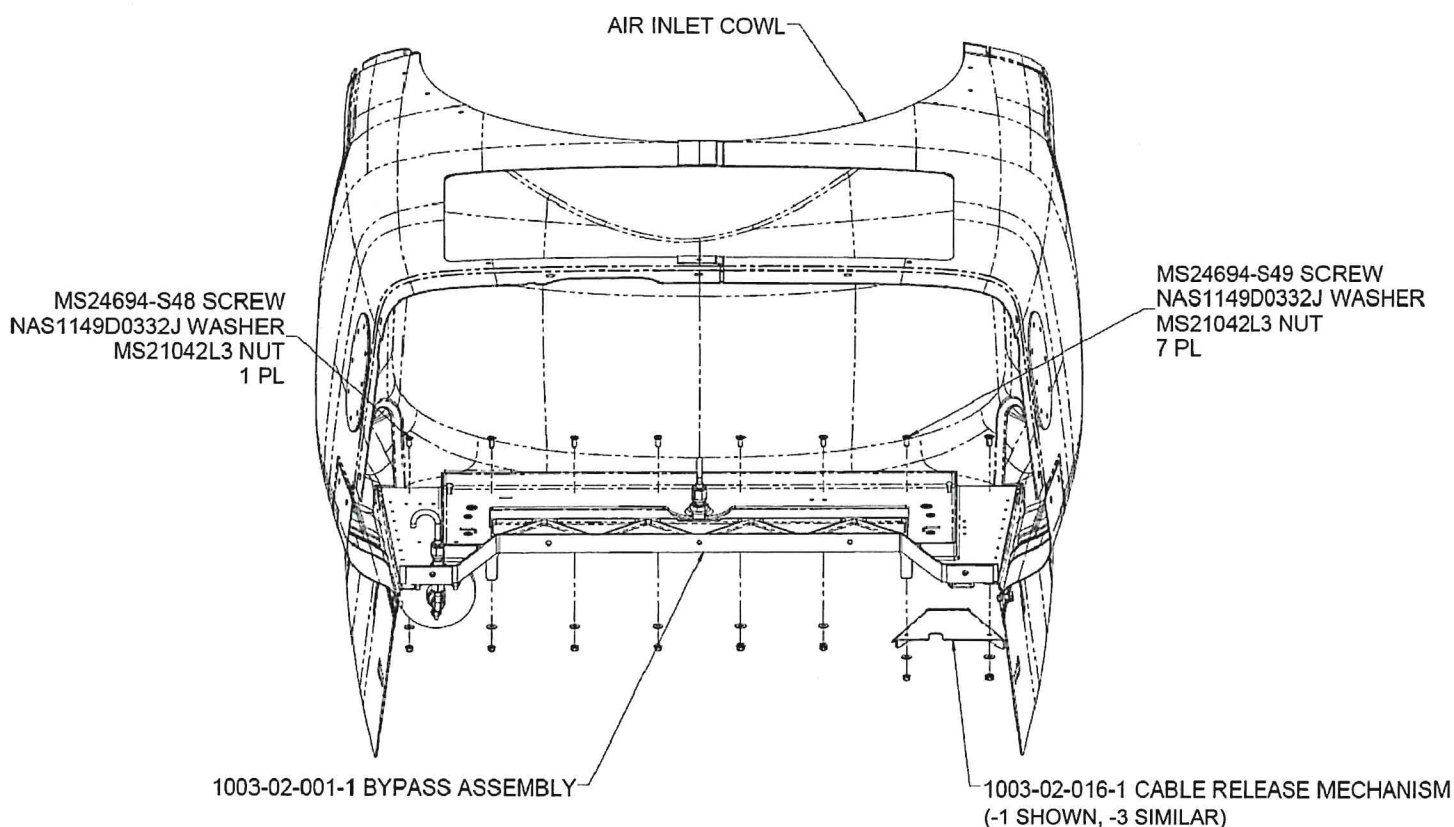


FIGURE 2 - 1003-02-016-3 CABLE RELEASE MECHANISM REPLACEMENT

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 16.11.18
CERT. NO.: SH16-9
ISSUE NO.: 1

APPROVED

DESIGN	VS	EAGLE COPTERS LTD	
DRAWN	WK	CALGARY, ALBERTA, CANADA	
CHECKED	VS	DRAWING NO.	REV. B
MFG. APPR.	N/A	1003-TB-001	SHEET 3 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.	DS <i>[Signature]</i>	MANUAL RELEASE UPGRADE	NTS
DATE	16.11.18	<small>COPYRIGHT © 2016 BY EAGLE COPTERS LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	

NOTIFY EAGLE COPTERS THAT THE 1003-TB-001 HAS BEEN INCORPORATED INTO THE AIRCRAFT LISTED BELOW.

AIRCRAFT SERIAL NUMBER: _____

AIRCRAFT OWNER: _____

DATE 1003-TB-001 WAS INCORPORATED ON THE ABOVE AIRCRAFT:

SIGNATURE OF PERSON RESPONSIBLE FOR ENTRY INTO AIRCRAFT TECHNICAL RECORD:

PRINT NAME OF PERSON RESPONSIBLE FOR ENTRY INTO AIRCRAFT TECHNICAL RECORD:

Email this page to: manufacturing@eaglecopters.com

APPROVED

DESIGN	VS	EAGLE COPTERS LTD	
DRAWN	WK	CALGARY, ALBERTA, CANADA	
CHECKED	VS	DRAWING NO.	REV. B
MFG. APPR.	N/A	1003-TB-001	SHEET 4 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	MANUAL RELEASE UPGRADE	NTS
DATE	16.11.18	COPYRIGHT © 2016 BY EAGLE COPTERS LTD. <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	