



AIRWORTHINESS DIRECTIVE

CIVIL AVIATION AUTHORITY
CZECH REPUBLIC

Airworthiness Division

Airport Ruzyně, 160 08 Prague 6

Tel: 420 233320922, fax: 420 220562270

Number: CAA-AD-076/2003

Date of issue: October 10, 2003

MarS a.s.

ATL-88/90, ATL-88/92-S

APPLIANCE – PILOT RESCUE PARACHUTE – RIPCORDER PIN - INSPECTION

Applicability: Rescue parachutes ATL-88/90 and ATL-88/92-S (serial numbers listed below) produced by MarS a.s. in years 2002 and 2003, equipped with ripcorder U-048/A with pins produced by Capewell Components on which Mandatory Service Bulletin MarS a.s. No.: M ATL-01a, or Service Bulletin Capewell Components No.: CW03-01 has not been accomplished.

S/N of rescue parachutes produced in year 2002:

ATL-88/90: 020103 up to 020310 incl;

ATL-88/92-S: 020201 up to 020204 incl.

S/N of rescue parachutes produced in year 2003:

ATL-88/90: 0302001 up to 0305066 incl, 0305078 up to 0306084 incl, 0306090, 0306091, 0306094, 0398001 up to 0398037 incl;

ATL-88/92-S: 0303001 up to 0305003 incl, 0306092, 0306093, 0397001 up to 0397003 incl.

Reason: In some cases breaking of ripcorder pin was reported. This pin is used in ripcorder U-048/A which is used for closing and opening rescue parachute package. This situation can lead to unintentional opening of parachute or impossibility to open it in the case of need.

Effective date: November 27, 2003

Compliance:

Perform a test of ripcorder pin U-048/A in accordance with Mandatory Service Bulletin No.: M ATL-01a, which becomes herewith part of this AD and may be obtained from: MarS a.s., Okružní II, čp. 239, 569 43 Jevíčko, Czech Republic, tel.: +420 461 353 841, fax: +420 461 353 843, e-mail: mars@marsjev.cz

In the case of the ripcorder pins on which original Service Bulletin of pins manufacturer (SB No.: CW03-01) has been accomplished, mark visibly the handle of ripcorder U-048/A and enter record into Parachute Logbook in accordance with Mandatory Service Bulletin No.: M ATL-01a (additional information: <http://www.marsjev.cz>).

Remarks: The compliance of this AD must be recorded in Parachute Logbook, where applicable the requirements of this AD must be integrated into Aircraft Technical Documentation. Address inquiries concerning this AD to: Civil Aviation Authority, Airworthiness Division, Ruzyně Airport, 160 08 Prague 6, Czech Republic, tel: 420 233320922, fax: 420 220562270.

Ing. Pavel MATOUŠEK
director



MarS a.s., Okružní II. čp. 239, 569 43 Jevíčko

CZECH REPUBLIC

MANDATORY
SERVICE
BULLETIN

MANDATORY SERVICE BULLETIN No. M ATL-01a

PARACHUTES ATL-88/90, ATL-88/92-S INSPECTION OF THE NEEDLES OF THE RELEASE DEVICES

**„SAFETY RELATED“
ENGINEERING ASPECT ARE CAA CZ APPROVED**

- 1. APPLICABILITY:** Rescue parachutes ATL-88/90 and ATL-88/92-S manufactured in years 2002 and 2003 with the below stated serial numbers, on which Service Bulletin CW 03-01 or Mandatory Service Bulletin M ATL-01a have not been accomplished.

The parachute serial number, production year 2002:
ATL-88/90: 020103 to 020310 inclusive;
ATL-88/92-S: 020201 to 020204 inclusive.

The parachute serial number, production year 2003:
ATL-88/90: 0302001 to 0305066 inclusive, 0305078 to 0306084 inclusive, 0306090, 0306091, 0306094, 0398001 to 0398037 inclusive;
ATL-88/92-S: 0303001 to 0305003 inclusive, 0306092, 0306093, 0397001 to 0397003 inclusive.
- 2. BACKGROUND:** The needles used on the release devices U-048/A mounted into the above parachutes are from a production series, on which their manufacturer—the company Capewell, USA –accomplished the Service Bulletin CW 03-01 due to the breaking of these needles when in use.
- 3. ACTION:** Perform check tests of the release devices U-048/A according to the Attachment No. 1 of this Mandatory Service Bulletin.
- 4. COMPLIANCE:** Immediately upon receipt of the Bulletin for the parachutes packed for use – TEST No.1. Before packing of the parachute for use – TEST No. 2.
- 5. PAYMENT OF THE COSTS:** The manufacturer will replace the release devices with faulty needles at his own expenses.
- 6. REQUIRED EQUIPMENT:** Replacement release devices - according to the results of the check tests of the release device needles. (Paid by the manufacturer).

7. TESTING PROCEDURE: See Attachment No.1.

8. ATTACHMENTS :

1. Procedure of Performance of Control Tests of the Release U-048/A.
2. Manufacturer Product Service Bulletin CW 03-01.

9. DATE OF ISSUE: Jevicko 9. 9. 2003

Ing. Jaroslav Sedlák – Technical Manager
MarS a.s. Jevicko

Stamp and Signature:





MarS a.s., Okružní II. čp. 239, 569 43 Jevíčko
C Z E C H R E P U B L I C

Attachment No.: 1

Mandatory Service Bulletin No.: M ATL-01a

Sheet No.: 1

Number of sheets: 6

**PROCEDURE OF PERFORMANCE OF
CONTROL TESTS OF THE RELEASE
U – 048/A**

(Valid for the Rescue Parachutes ATL – 88/90, ATL – 88/92-S)

Jevíčko date: 9. 9. 2003

Ing. Jaroslav Sedlák
MarS a.s. Jevíčko



Our Company received from Capewell Components, a manufacturer of metal parts for parachute products, Service Bulletin No. CW 03-01 that responds to customers' reports as well as to the concrete examples of the operation of parachutes. There were reports of several breakings of the ripcord pin that serves as a part of the release mechanisms that open and close parachutes. Because our Company makes its releases of components supplied by Capewell, we wish to offer the following explanation of the above-referenced issue.

Bulletin CW 03-01 provides information about and suggestions for the verification of the reliable and safe operation of releases with ripcord pins by Capewell and offers a possible solution.

Before using parachutes with the above-referenced ripcord pins an authorized person has to make one of two tests described in the Bulletin and record the test results in a parachute log.

1. The parts and products by MarS a.s. that are subject to the completion of a test:
Applicable to:

Release U-048/A Rescue parachutes ATL-88/90 and ATL-88/92-S produced in 2002 and 2003.

S/N of rescue parachutes produced in year 2002:

ATL – 88/90: 020103 to 020310 incl.

ATL – 88/92-S: 020201 to 020204 incl.;

S/N of rescue parachutes produced in year 2003:

ATL – 88/90: 0302001 to 0305066 incl., 0305078 to 0306084 incl., 0306090, 0306091, 0306094, 0398001 to 0398037 incl.;

ATL – 88/92-S: 0303001 to 0305003 incl., 0306092, 0306093, 0397001 to 0397003 incl.

2. The procedure for testing of the needles of release devices is described in the Attachment no. 2 of the Mandatory Service Bulletin No. M ATL-01a.

Considering that the function Rigger – see the original of the Bulletin - is not established in the meanwhile in the system AeCR, only following persons are allowed to carry out the inspections of the release devices U-048/A of the emergency parachutes manufactured by the company MarS a.s.:

- the packers of the emergency parachutes type ATL (keeping the valid authorization)
- the packers of the reserve parachutes type wing (keeping the valid authorization)



3. Record of the check performance

- a) The check of the needles of the release devices is recorded into the parachute Log-Book, part CW 03-01 (Test 1 or Test 2), including date and signature of the person who performed the check.

SAMPLE ENTRY VERIFICATION ACCORDING TO CW 03 – 01 TO THE PARACHUTES LOG – BOOK

Emergency parachutes:

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§ 7. Stowage, Maintenance and Check Records during Storage

Date	Operation	Condition of parachute	Signature
Date of the control	Control to CW 03-01	CW 03-01 TEST 1 or 2 Evaluation: airworthy	Signature of the control person



- b) The handle of the release device must be marked CW 03-01, alternatively including date and signature.

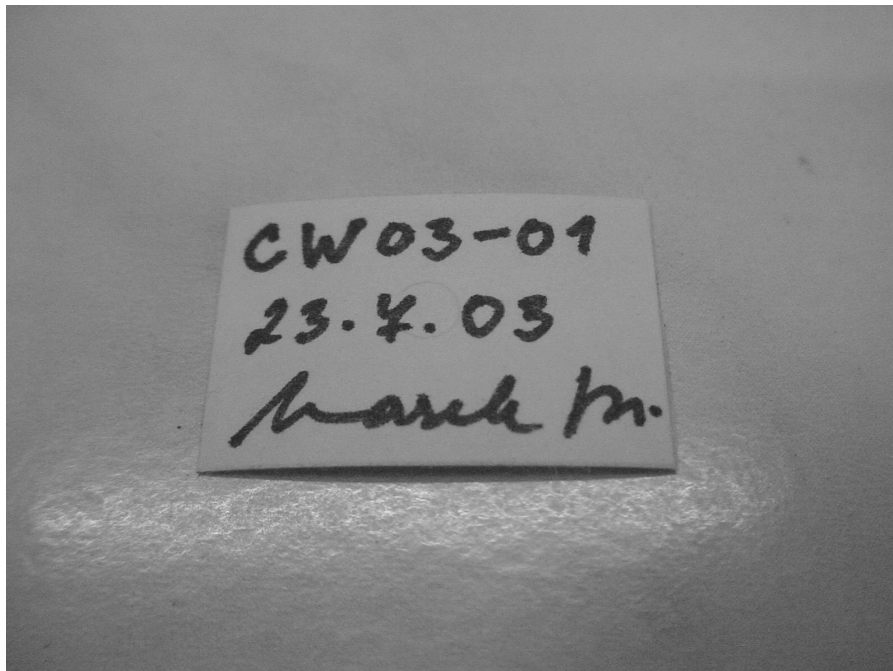


foto č. 1



foto č. 2



We recommend the marking the handle with a self-adhesive plate with required inscriptions; if need be, the plate can be stuck all over with a transparent adhesive tape attached up to the area that has minimal resistance to abrasion and that is visible even when the release is hidden in a pocket. In emergency, the release can be marked with a permanent highlighter/marker.

4. **MarS a.s. also informs its customers and the users of the above-referenced products and parts that it is not aware of any of the cases described in Capewell's Service Bulletin in connection with defective pins on products made by MarS a.s. Jevicko.**
5. **In order to maintain the reliability and safety of our products the tests indicated in the Service Bulletin CW 03-01 must be completed and their results must be recorded in parachute logs. In this way, possible problems occurring during the operation of parachute equipment will be prevented and avoided. If a release is not inspected the parachute fitted with such a release must not be used.**

If no check of the release device has been performed, the
parachute with this release device must not be used.

6. The check of the release devices U-048/A at the rescue parachutes manufacturer

In the event that the user (owner) of parachute equipment does not have an opportunity to have such tests completed by an authorized person, he may send a release with a pin - along with a parachute log - to MarS a.s. Jevíčko. Our company will carry out necessary tests and record their results in the log. Alternatively, following a previous agreement, the customer (owner) may deliver his parachute to the seat of MarS a.s. in person; the required tests will be carried out and if the results of such tests will be compliant the customer (owner) will be able to retrieve his parachute at the same place.

7. The check does not include release devices, which use the Czech-produced soldered needles.

- these release devices are marked U – 048.

In case you need additional information please do not hesitate to contact the technical or marketing department of the company MarS a.s. Jevicko.

Jevíčko 9.9.2003

Ing. Jaroslav Sedlák
Manager of technical dpt.
MarS a.s. Jevíčko



MarS a.s., Okružní II. čp. 239, 569 43 Jevíčko
C Z E C H R E P U B L I C

Attachments: Original of the Service bulletin of the company Campewell No CW 03-01.