



MarS a.s., Okružní II 239, 569 43 Jevíčko
Czech Republic

**MANDATORY
SERVICE
BULLETIN
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SERVICE BULLETIN no. 07/10/2014

Clarification of PR-011 Spring Opening Band position on the packed parachute container for parachutes range PL-70

- 1. SUBJECT MATTER:** Emergency pilot parachute PL-70-I/K, PL-70-I/L, PL-70-I.
- 2. REASON:** Addition the text to the Technical Description - Clarification of PR-011 Spring Opening Band position on the packed parachute container for parachutes range PL-70.
- 3. COMPILANCE:** Prevention - The measures are specified in annex no. 1, 2, and 3 hereto.
- 4. APPROVAL** The service bulletin is issued on the base of the approved non-significant change no. 24/14.
- 5. VALIDITY:** From the date of the service bulleting issue.
- 6. ANNEXES:** Annex no. 1 – Complement of the Technical Description no. P-001-97;
Annex no. 2 – Complement of the Technical Description no. P-002-97;
Annex no. 3 – Complement of the Technical Description no. P-003-97.
- 7. PROCESSING:** The user of the parachute will process the “Complement” in formerly issued Technical Descriptions no. P-001-97, P-002-97 or P-003-97 by printing annex no. 1, 2 or 3 of the service bulletin in format A5 and stick it on the last page.
- 8. DATE OF ISSUE:** In Jevíčko on 14.10.14

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

Stamp and signature:



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Service bulletin no. 07/10/2014
Annex No. 1
Number of pages: 2

Complement of the Technical Description no. P-001-97

1) Text specified in Chapter III, point 5.11. of Technical Description changes as follows:

- 5.11. Closing the parachute container, connecting the pins of the two-cable release, connecting AD - 3/39/0,5 device to the parachute container closure and connecting the spring opening bands.

On the last pin of the two-cable release pass the line lug AD – 3/39/0,5 (fig. 57D). The pins on the longer cable of manual release are inserted in the parachute container cone pin instead of the auxiliary pins. The end pin is sealed to prevent sliding using green cotton thread – imitation of sewing silk tex 7.4 x 3, with strenght 4.5 to 7.5 N. The ends of the threads are bound in a node and secured with adhesive tape indicated as: The stamp of the paratrooper preparation leader, signature of the inspection body, and date of packaging (fig. 57E).

Static line is inserted in the static line case and secured with the binding line (fig. 58).

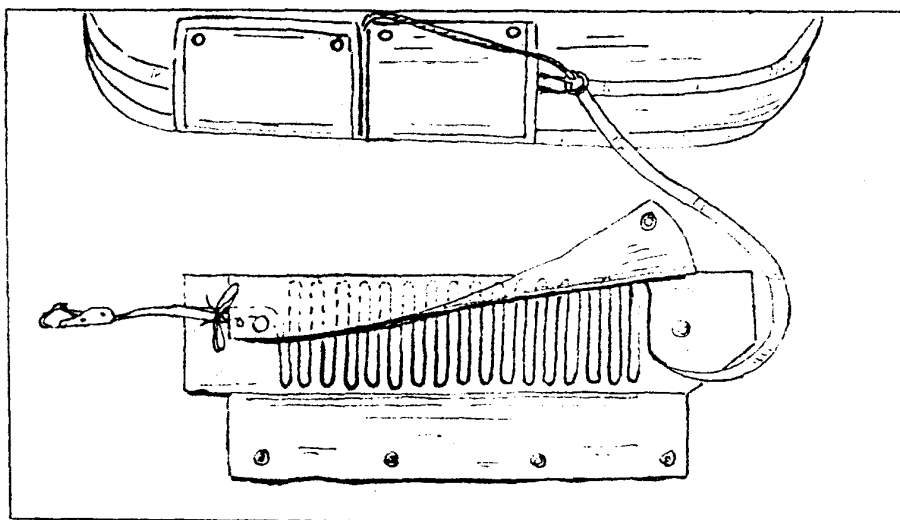


Fig. 58

All eight used spring opening bands are connected in the wire loops.

During the spring opening band closing placed on the top side of the parachute container, it is necessary to pay attention to the spring opening band leading over the body of the retaining lock covered with protection flap (fig. 59a). At the same time the right side of the spring opening band must not intervene with the lock body dent, covered under the protection flap, designed for placing the loop of shorter cable of manual release.

Perform the inspection of the spring opening band position by removing the side of the cover flap (fig. 59b).



Fig. 59a



Fig. 59b

The parachute container closing is covered with the locking flap connection.

The transport and further handling of the parachute requires placing the casing with located static line under the central spring opening band (fig. 59c).

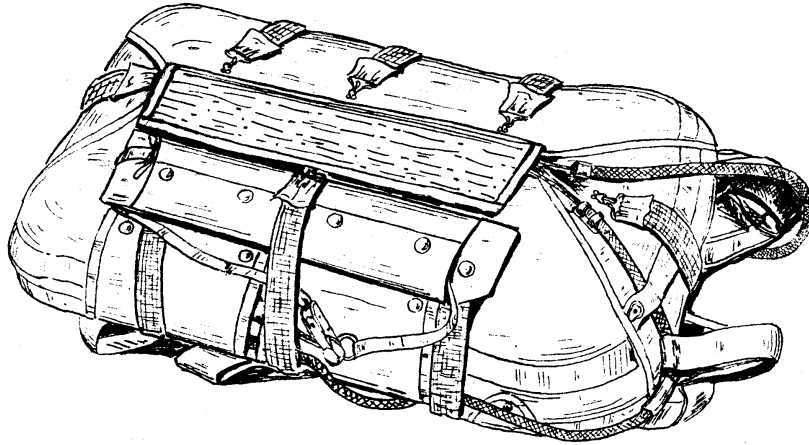


Fig. 59c

2) *Text specified in chapter IV, point 1. of Technical Description changes as follows:*

1. Prior to each inserting of parachute in the seat, check the below:

- 1.1. Closing the parachute container with the release pins, securing the manual release, securing the lines with flexible pins AD-3/39/0,5 and KAP-3P/39/1,5, their location and connection, then check the seals for damage.
- 1.2. Correct connection of the emergency ration with the suspension line to the parachute harness and the location of the oxygen apparatus.
- 1.3. Switching all spring opening bands of the parachute container and correct position of the spring opening band placed on the top side of the parachute container as per the instructions in chapter III, point 5.11 of this technical description.**
- 1.4. If the left leg strap of the parachute harness includes a clip for connecting KP – 52M device.
- 1.5. If the marks on risers of the strap ends of the parachute harness are at the level of the parachute container frame.

The packed parachute is inserted in the aircraft seat according to the directives on the aircraft operation, and the ends of the integral attachment for fastening to the seat (shoulder and belly) are fixed in the locks on the seat, the static line of the emergency ration passes between the leg straps of the parachute harness to 300 mm length from the snap hook to emergency ration package. The prolongation line casing is attached to the inner side of the seat pin, the ring of the static line is locked in the lock on the seat and the snap hook of the prolongation line is attached to the suspension on the seat next to this lock.

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Service bulletin no. 07/10/2014
Annex No. 2
Number of pages: 2

Complement of the Technical Description no. P-002-97

1) *Text specified in Chapter III, point 5.11. of Technical Description changes as follows:*

- 5.11. Closing the parachute container, connecting the pins of the manual release, connecting AD - 3/39/0,5 device to the parachute container closure and connecting the spring opening band.

On the last pin of the two-cable release pass the cable strap AD – 3/39/0,5 (fig. 55D). The pins on the longer cable of manual release are inserted in the parachute container cone pin instead of the auxiliary pins. The end pin is secured from shifting using cotton green thread with strenght 4.5 to 7.5 N. The thread ends are bound in a node and secured with adhesive tape indicated with:

The stamp of the paratrooper preparation leader, signature of the inspection body, and date of packaging (fig. 55E).

Static line is inserted in the static line case and secured with the binding line (fig. 56).

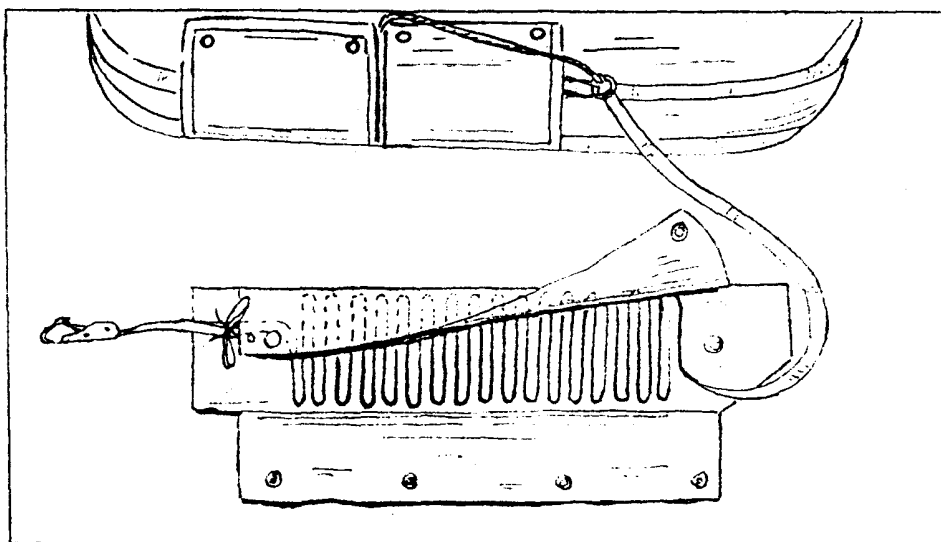


Fig. 56

All eight used spring opening bands are connected in the wire loops.

During the spring opening band closing placed on the top side of the parachute container, it is necessary to pay attention to the spring opening band leading over the body of the retaining lock covered with protection flap (fig. 57a). At the same time the right side of the spring opening band must not intervene with the lock body dent, covered under the protection flap, designed for placing the loop of shorter cable of manual release.

Perform the inspection of the spring opening band position by removing the side of the cover flap (fig. 57b).



Fig. 57a



Fig. 57b

The parachute container closing is covered with the locking flap connection.

The transport and further handling of the parachute requires placing the casing with located static line under the central spring opening band (fig. 57c).

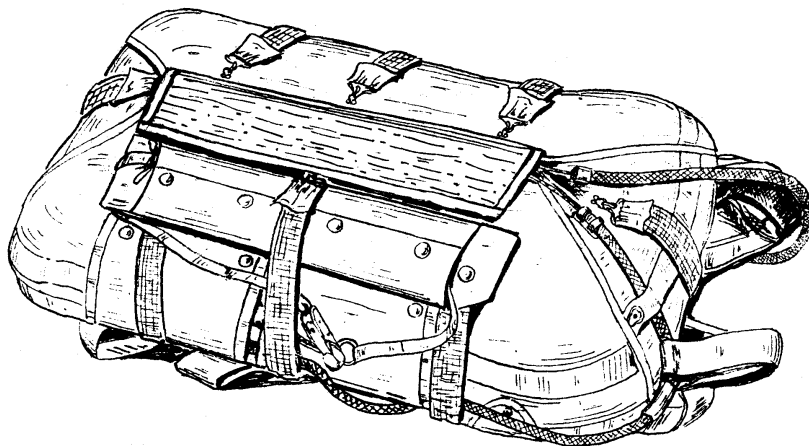


Fig. 57c

2) *Text specified in chapter IV, point 1. of Technical Description changes as follows:*

1. Prior to each inserting of parachute in the seat, check the below:

- 1.1. Closing the parachute container with the release pins, securing the manual release, securing the lines with flexible pins AD-3/39/0,5 and KAP-3P/39/1,5, their location and connection, then check the seals for damage.
- 1.2. Correct connection of the emergency ration with the suspension line to the parachute harness and the location of the oxygen apparatus.
- 1.3. Switching all spring opening band of the parachute container and correct position of the spring opening band placed on the top side of the parachute container as per the instructions in chapter III, point 5.11 of this technical description.**
- 1.4. If the left leg strap of the parachute harness includes a clip for connecting KP – 52M device.
- 1.5. If the marks on risers of the strap ends of the parachute harness are at the level of the parachute container frame.

The packed parachute is inserted in the aircraft seat according to the directives on the aircraft operation, and the ends of the integral attachment for fastening to the seat (shoulder and belly) are fixed in the locks on the seat, the static line of the emergency ration passes between the leg straps of the parachute harness to 300 mm length from the snap hook to emergency ration package. The prolongation line casing is attached to the inner side of the seat pit, the ring of the static line is locked in the lock on the seat and the snap hook of the prolongation line is attached to the suspension on the seat next to this lock.

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Service bulletin no. 07/10/2014
Annex No. 3
Number of pages: 2

Complement of the Technical Description no. P-003-97

1) *Text specified in Chapter III, point 5.11. of Technical Description changes as follows:*

- 5.11. Closing the parachute container, connecting the pins of the manual release, connecting AD - 3/39/0,5 device to the parachute container closure and connecting the spring opening bands.

On the last pin of the two-cable release pass the cable strap AD – 3/39/0,5 (fig. 58D). The pins on the longer cable of manual release are inserted in the parachute container cone pin instead of the auxiliary pins. The end pin is secured from shifting using cotton green thread with strenght 4.5 to 7.5 N. The thread ends are bound in a node and secured with adhesive tape indicated:

The stamp of the paratrooper preparation leader, signature of the inspection body, and date of packaging (fig. 58E).

Static line is inserted in the static line case and secured with the binding line (fig.59).

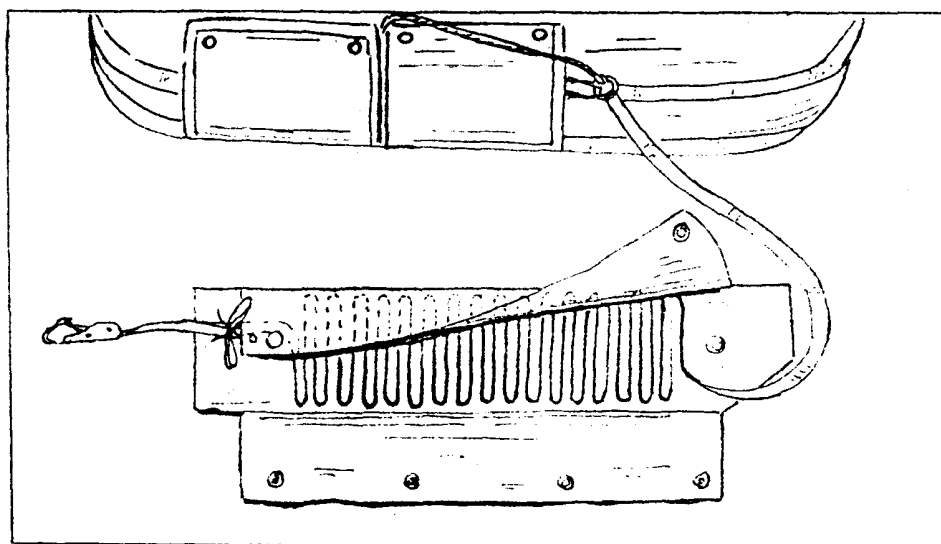


Fig. 59

All eight used spring opening bands are connected in the wire loops.

During the spring opening band closing placed on the top side of the parachute container, it is necessary to pay attention to the spring opening band leading over the body of the retaining lock covered with protection flap (fig. 60a). At the same time the right side of the spring opening band must not intervene with the lock body dent, covered under the protection flap, designed for placing the loop of shorter cable of manual release.

Perform the inspection of the spring opening band position by removing the side of the cover flap (fig. 60b).



Fig. 60a



Fig. 60b

The parachute container closing is covered with the locking flap connection.

The transport and further handling of the parachute requires placing the casing with located static line under the central spring opening band (fig. 60c).

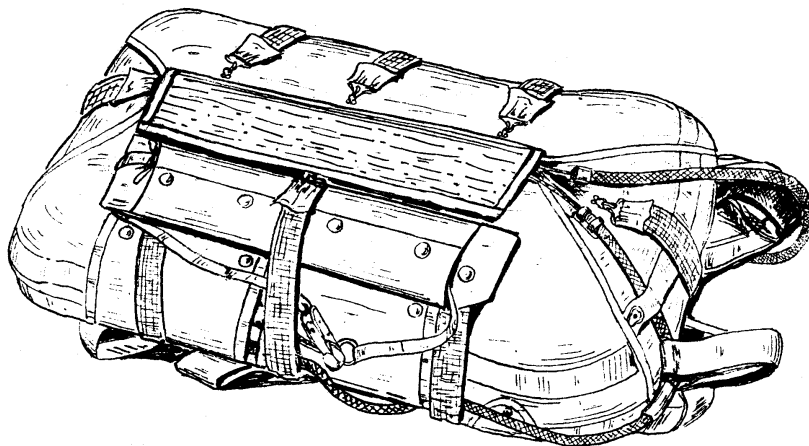


Fig. 60c

2) *Text specified in chapter IV, point 1. of Technical Description changes as follows:*

1. Prior to each inserting of parachute in the seat, check the below:

- 1.1. Closing the parachute container with the release pins, securing the manual release, securing the lines with flexible pins AD-3/39/0,5 and KAP-3P/39/1,5, their location and connection, then check the seals for damage.
- 1.2. Correct connection of the emergency ration with the suspension line to the parachute harness and the location of the oxygen apparatus.
- 1.3 Switching all spring opening band of the parachute container and correct position of the spring opening band placed on the top side of the parachute container as per the instructions in chapter III, point 5.11 of this technical description.**
- 1.4. If the left leg strap of the parachute harness includes a clip for connecting KP – 52M device.
- 1.5. If the marks on risers of the strap ends of the parachute harness are at the level of the parachute container frame.

The packed parachute is inserted in the aircraft seat according to the directives on the aircraft operation, and the ends of the integral attachment for fastening to the seat (shoulder and belly) are fixed in the locks on the seat, the static line of the emergency ration passes between the leg straps of the parachute harness to 300 mm length from the snap hook to emergency ration package. The prolongation line casing is attached to the inner side of the seat pit, the ring of the static line is locked in the lock on the seat and the snap hook of the prolongation line is attached to the suspension on the seat next to this lock.

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