

Title: BRS-5 Rockets

Revision Date: July 20, 1999

Bulletin ID: 002

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ROCKET ASSEMBLY INSTRUCTIONS OVERLOOKED

Some BRS customers have indicated they do not fully comprehend the assembly required under 1998 revised transportation laws governing U.S. or international shipment of emergency parachutes and their rocket motor extraction devices. Two problems have come to the company's attention through its technical support department.

Firstly, some customers have used the silicone adhesive provided for another purpose to glue on the outer cap of the canister system. The units have an inner and outer cap. The inner one is permanently glued on at the factory and breaks away if the BRS unit is deployed. The outer cap, however, must not be attached except to snap it over the inner cap (as shown in the owners manual). If this outer cap is glued on, the system cannot perform as designed and a failed deployment is possible. Some customers feel motivated to glue this cap on as the amount of silicone adhesive provided by BRS is much more than needed (tubes of the adhesive are not available in smaller quantities). Other customers may recall older BRS units which sometimes had their cap come loose. In no event should customers glue on the new outer cap, nor should they secure older model caps with tape or additional adhesives.

Secondly, some customers have incorrectly attached the rocket lanyards (two small Teflon-sheathed steel cables which lead from the rocket to the parachute). These lanyards must connect to a small L bracket fastened to the inner cap. They should not be connected to large link attached to a heavy bridle on the outside of the canister. Ignoring this instruction will cause a failed deployment.

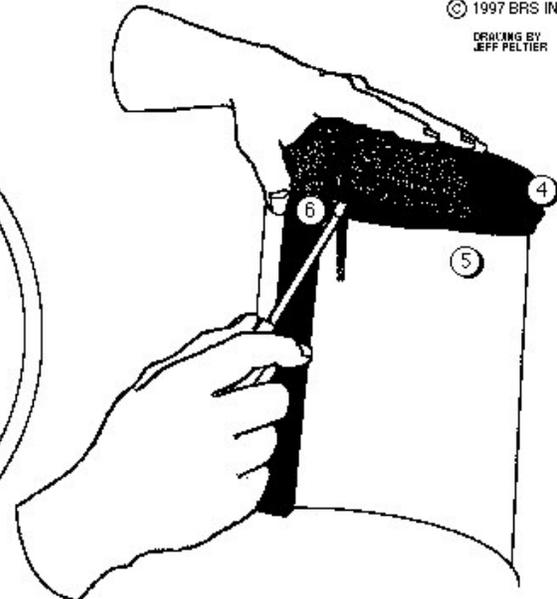
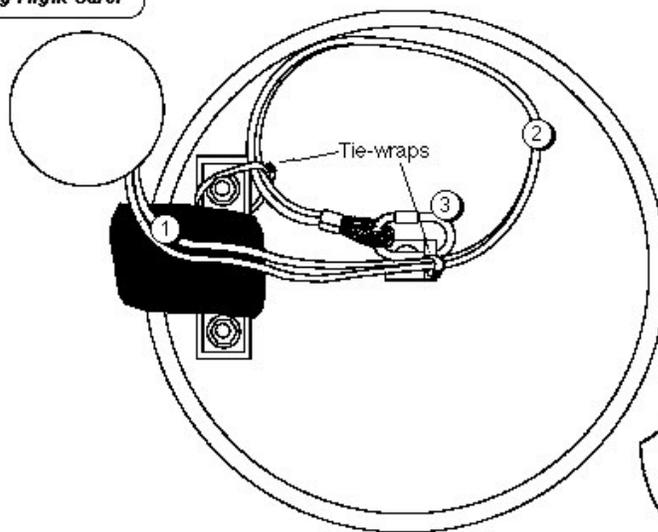
Customers should refer carefully to all instructions provided with their BRS unit. Any customer who did not receive instructions should contact BRS, and all dealers of BRS units should take care to assure customers receive their owners manual and instructional drawings.



REASSEMBLY, ROCKET LANYARDS AND CAP 9/95 Rev B 7/99 DRWG. 175-A

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- ① Route rocket lanyards over top of riser extension and between clamp bolts.
- ② Carefully coil lanyards and lay them in place so that they don't tend to want to push the cap up. They may held in place with 1/8" wide tie-wraps.
- ③ Connect lanyards to small Quicklink. Apply Loctite 242 (blue) to threads on link and close barrel.
- ④ Re-install cap starting from the opposite side of the riser relief bump, working your way evenly forward along both sides of can.

- ⑤ While applying even downward pressure, ensure that the rim of the outer cap seats securely under the rim of the inner cap.
- ⑥ It may be necessary to use a flat, blunt tool (small screwdriver) to pull out the corners near the riser relief bump to allow them to slip down over the inner cap.
- ⑦ **Warning!** Do not glue or tape the outer cap in position! Doing will cause the unit to malfunction.

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