

Complete KIT provided by Galaxy GRS s.r.o.:



Figure 1

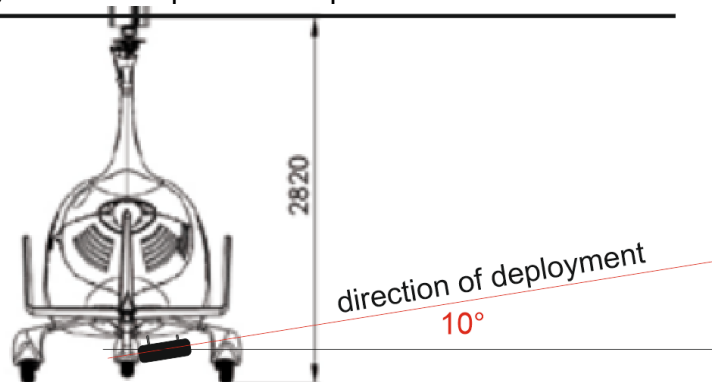
Parts list:

PART No.	Description	Qty
1	Galaxy GRS Unit	1
2	Loop support (2 parts to assemble)	1
3	3,1 m kevlar belt with twister	1
4	1,4 m Ø7,1 steel cable	1
5	Metal strap	4

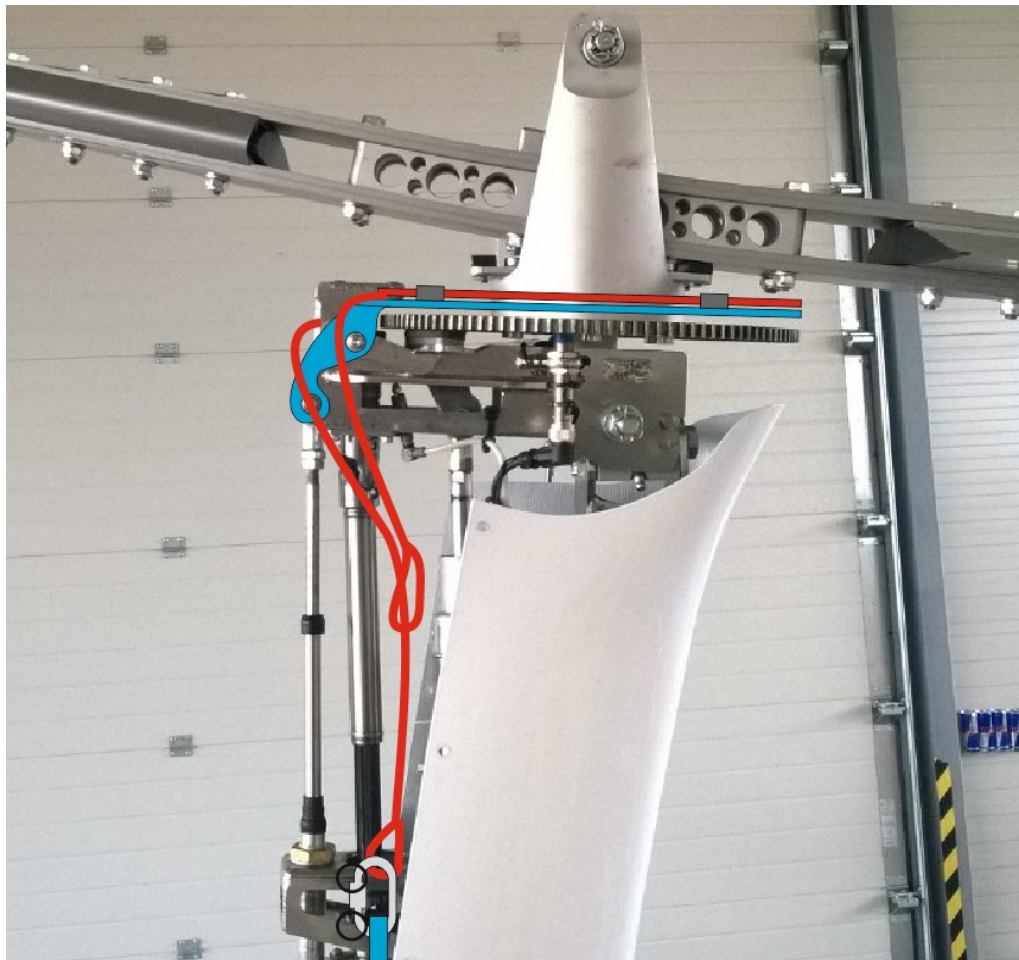


INSTALLATION: DURING THE INSTALLATION, SAFETY NEEDLE MUST BE INSERTED IN THE FRONT OF THE ROCKET, REAR TRANSPORT BOLT CAN BE DISMOUNTED RIGHT AFTER UNPACKING. SNIP THE NEEDLE AFTER INSTALLATION IS COMPLETE. AFTER, THE SYSTEM IS SECURED BY PIN IN THE HANDLE ONLY !

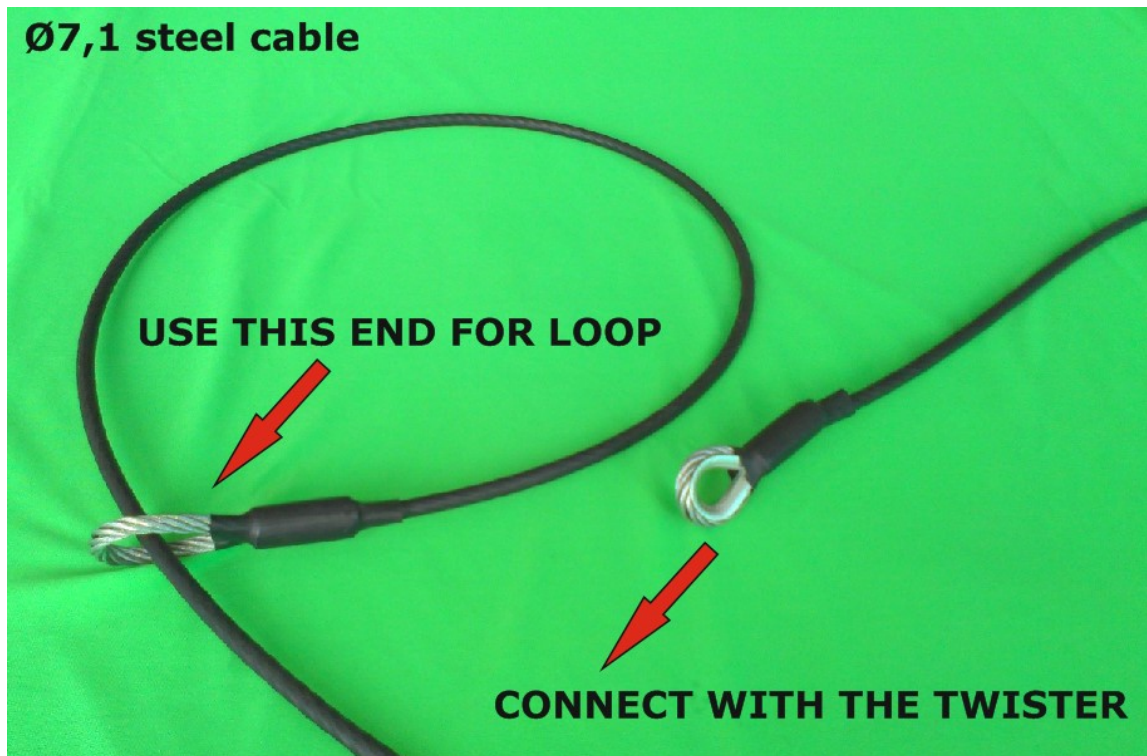
- 1) Fasten the GRS System to the position under the fuselage by using 8x M5 bolt. Incline the system with firing direction aprox 10° up



- 2) Install the activation handle
- 3) Install the loop support, use the same two bolts, use a distance rings when necessary. Rivet the front part of loop support by 2x Ø4 rivet.



- 4) Make a loop around the rotor head by larger end of the Ø7,1 steel cable and secure the loop with plastic stripes (4,5-5 mm width, use the holes in the loop support) and 4x metal straps (8xØ3 rivets) . **Change the plastic stripes every 3 years.** For the loop use correct end of the steel cable according to picture **Make sure there is no contact with rotor in any case.**

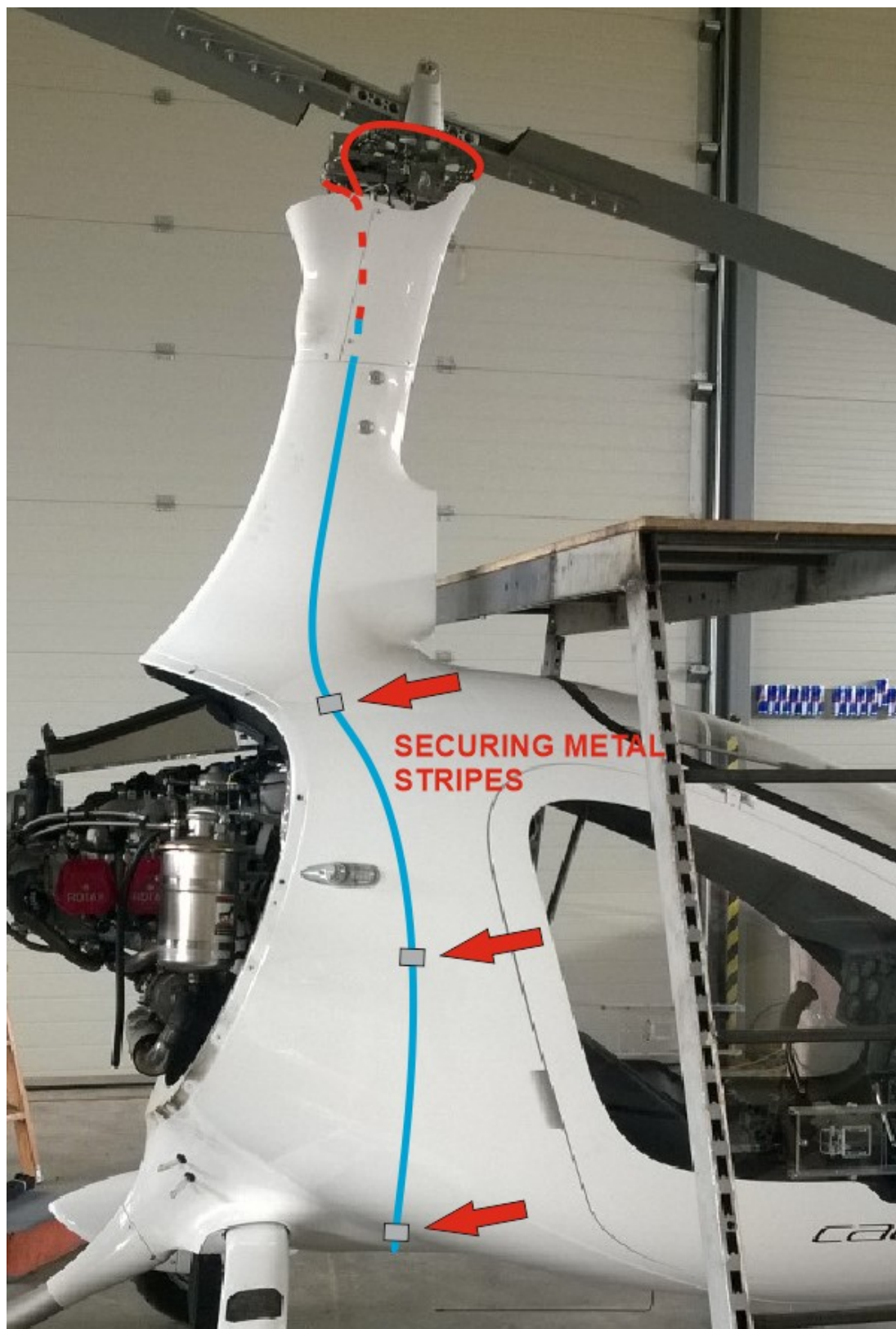


- 5) Connect the cable with the kevlar belt leading from the container using carbine and secure its position by plastic tapes according to the picture. Put a Velcro strap sticker on the fuselage and attach the kevlar belt. For its securing us 3x metal stripes.

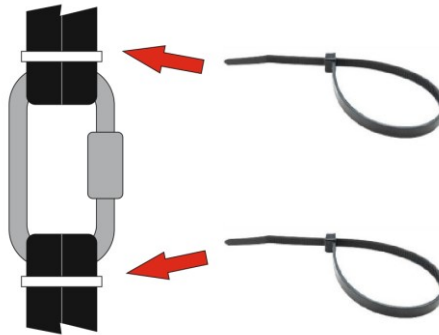
ATTENTION!: During attaching of this metal stripes, locate the position of the fuel tank, to not drill through it!!!

Attach the carbine to the static housing by plastic tapes.

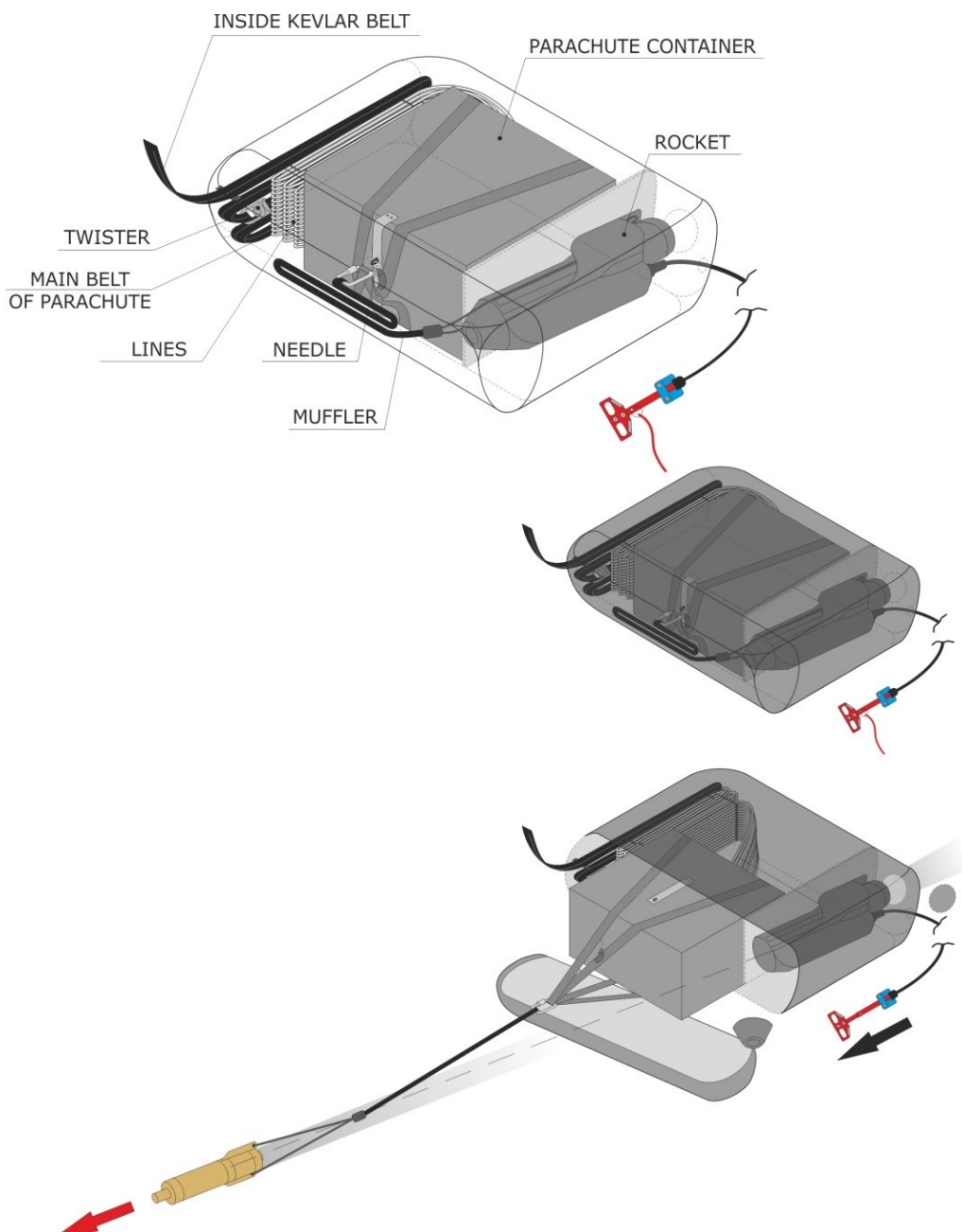
There must be no contact with any rotating part and there must be a length reserve on the steel cable to allow the head movements range !!



Carbine must be in correct position and secured by 5mm plastic stripes.



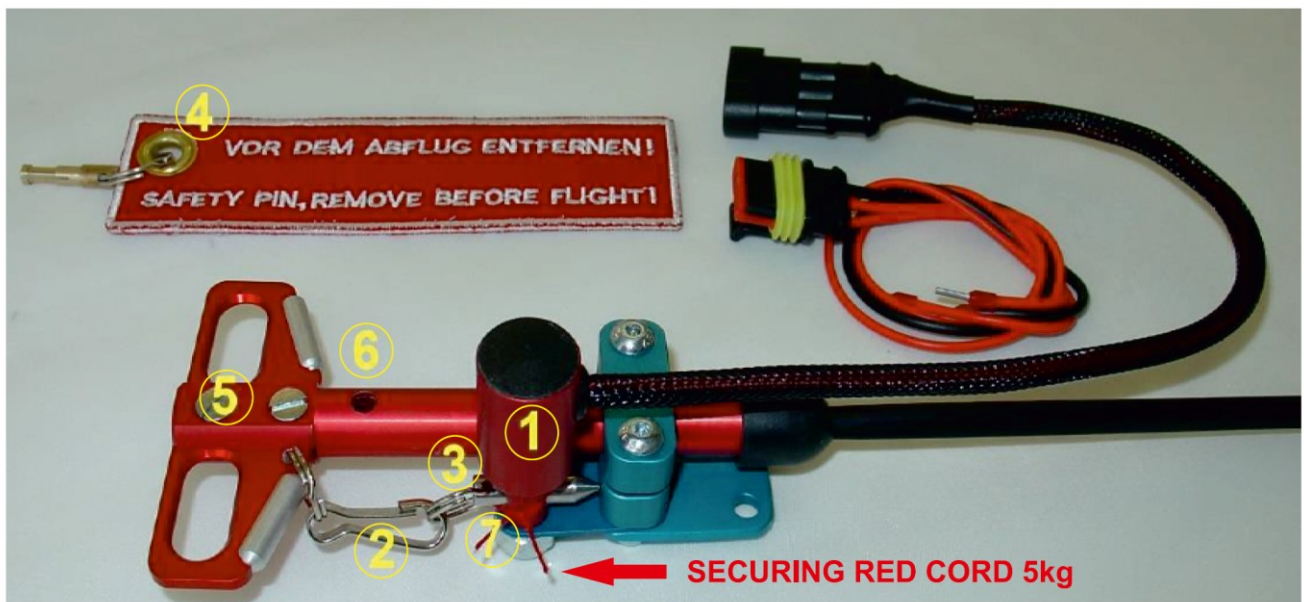
SYSTEM OF DEPLOYMENT:



NOTES:

- **Gyro must be equipped with 4-point safety belts !**
- **Make a visual inspection of all parts and connections every 50 flight hours !**

RECOMMENDATION: Equip your gyro with **special switch for closed contact engine** for Airplane with the push propeler.



- | | |
|-------------------------------|---|
| 1..Automatic ignition switch | 5..Handle of GRS system (controls the rocket) |
| 2..Small connection carabiner | 6..Hole for GRS system Safety PIN |
| 3..Switch control Pin | 7..Securing red cord |
| 4..GRS system Safety PIN | |

Purpose of GRS automatic ignition switch (1):

This part is installed directly on GRS system activation system. There is a pin (3), inserted in the switch (1), which activates circuits after removing. The pin is connected with handle (5) by small carabiner(2) and its position is secured by red cord (7), 5kg strong. **Presence of red cord (7) is important** - secures the pin position against vibration and possible movements during standard aircraft operation. In moment of GRS system activation by sharp pull of handle (5), red cord breaks, pin (3) is released, engine stops automatically and rocket is starting.

WARNING - if the pin is not secured with red thread during normal operation, due to motor vibrations, the pin may fall out and the motor may stop unintentionally

Installation and check of GRS automatic ignition switch:

- 1) Install the complete system according to regular GRS system installation manual.
- 2) Ignition switch (1) is already attached to the activation system.
- 3) Connect the GRS switch cables parallelly to the wires, which are used for standard operational engine stop, usually going to the cockpit panel.
- 4) Secure its position on the aircraft by plastic tie wraps, connect according to scheme below.

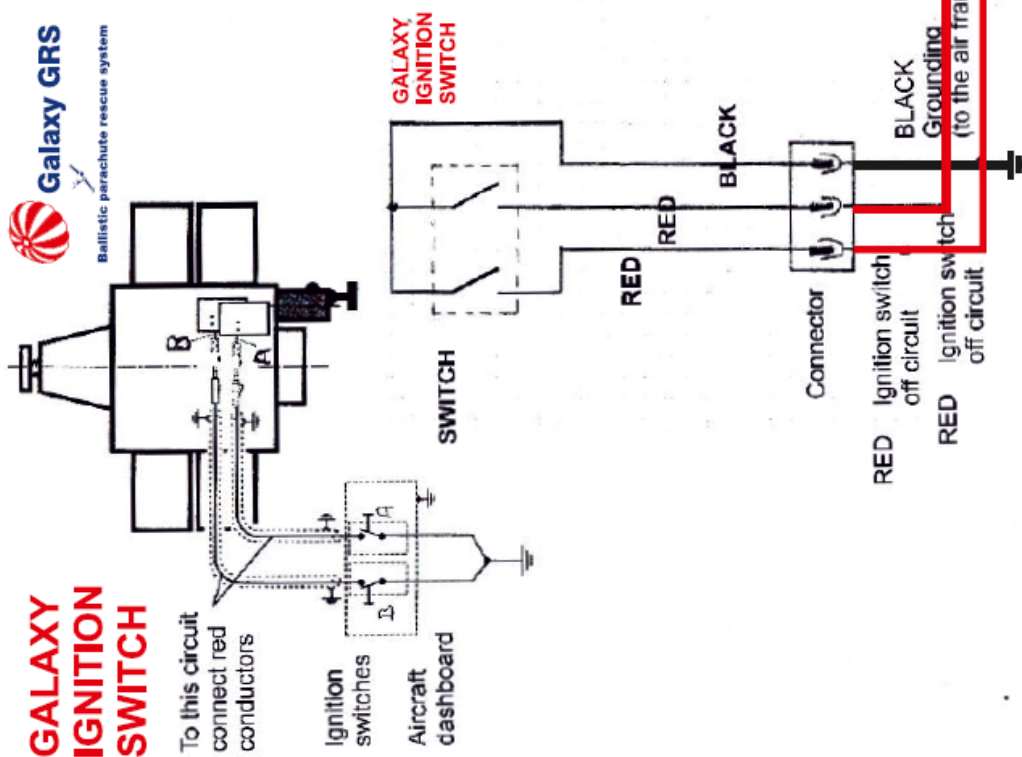
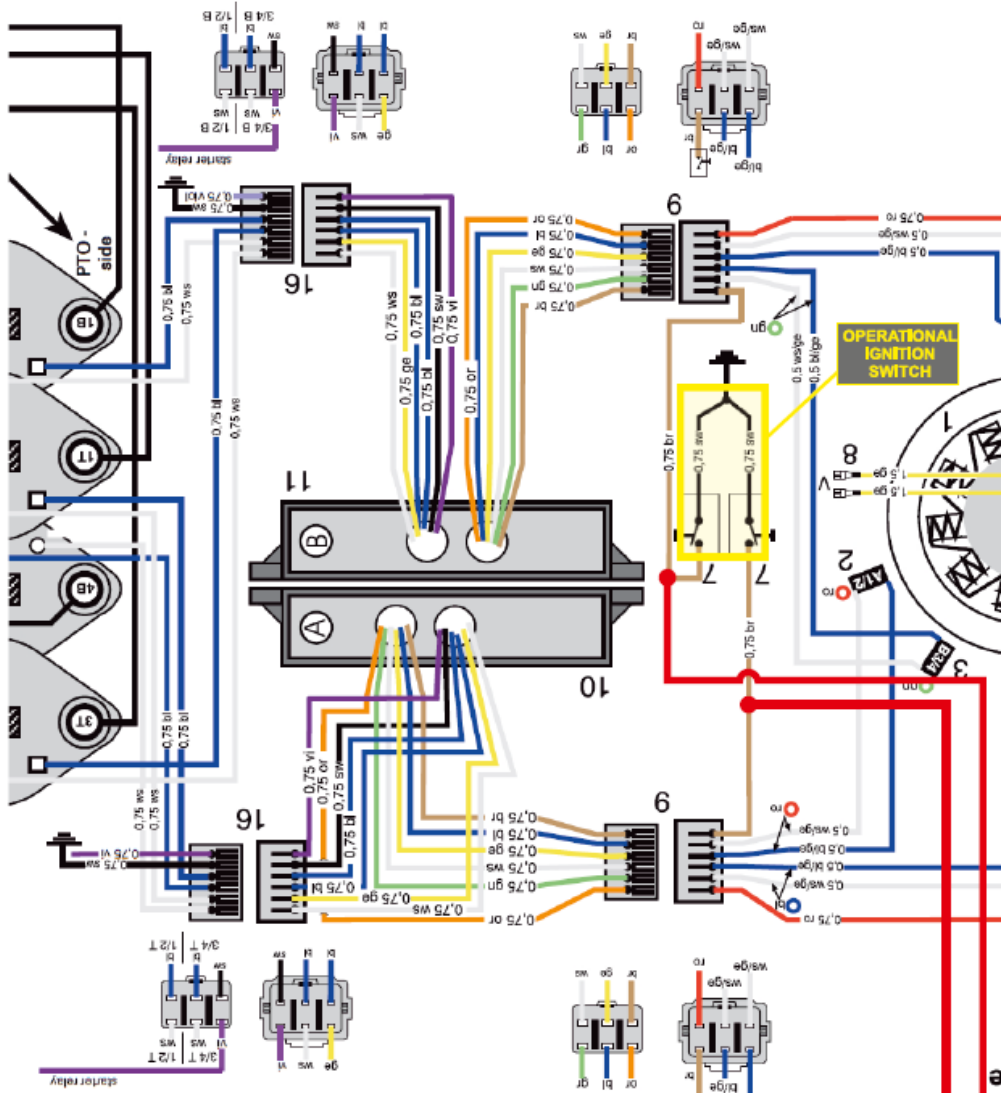
Check of proper switch function:

- 5) Main securing pin with red flag (4) is inserted in the handle, blocking the rocket activation.
- 6) Remove the red cord (7) from the pin(3) in the switch (1)
- 7) Disconnect the small carabiner (2) from the GRS handle
- 8) Start aircraft engine
- 9) Remove the pin (3) from the switch(1) (**without pulling the GRS handle**) - Engine has to stop
- 10) Put the pin (3) back to switch(1) and connect it with GRS handle(5) by small carabiner(2)
- 11) **SECURE THE PIN(3) in switch(1) by RED 5 kg cord(7)** (provided with system)
- 12) Start engine again for check

Preventive check:

Before each flight is check the presence of the red cord in the switch!

MAY 18, 2022



POSITION OF THE SYSTEM:

