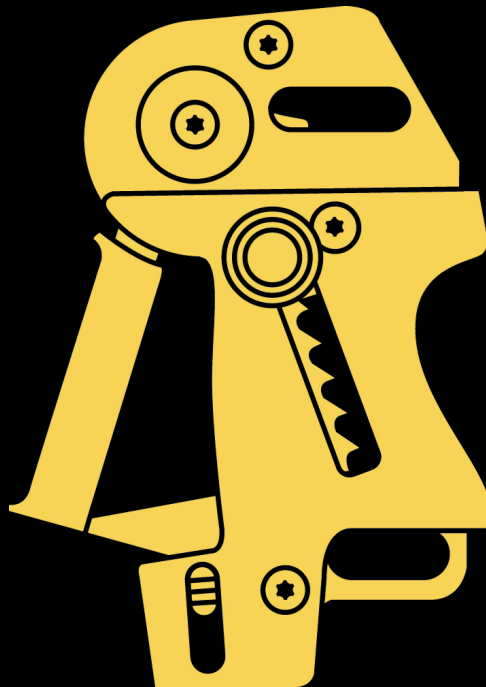




RAPID RAPPEL

Rope changing procedure



4.1-Tactical
Egress System



Disclaimer

Only individuals recognized as competent by Rapid Rappel should carry out the rope changing process.



Rope wear

The wear on the rope is influenced by weight, speed, abrupt stops, and falls within the system. Completing over 20+ descents on the same rope is feasible.



Normal wear.

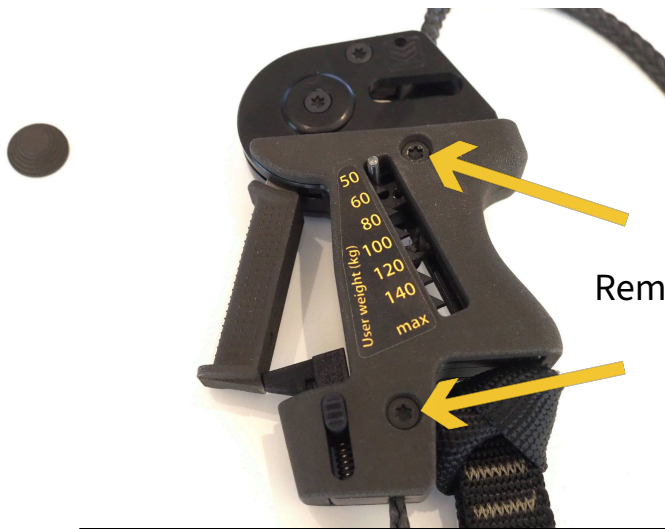


Damaged rope.

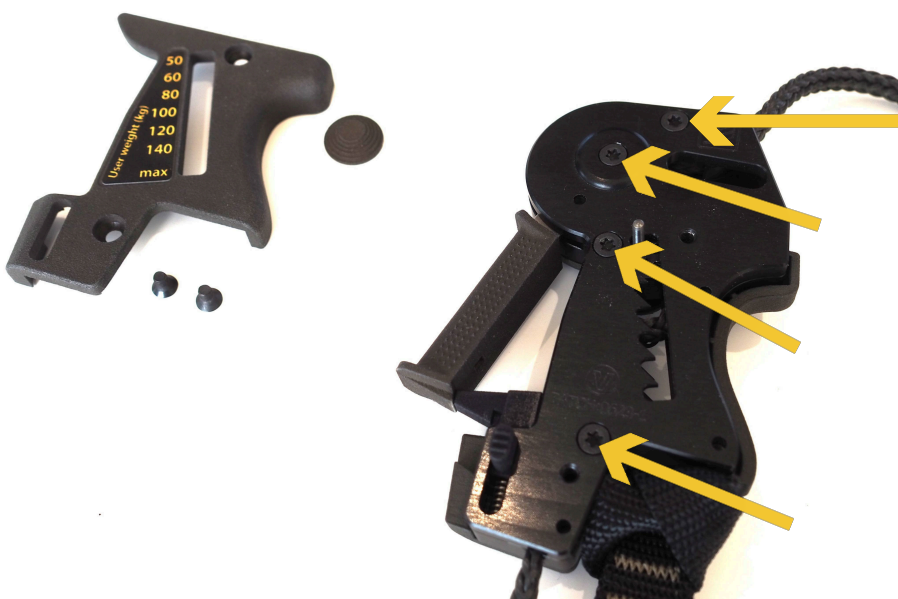


Disassemble:





Remove two M4 short screws securing the left plastic handle.



Remove 4 x M4 long screws

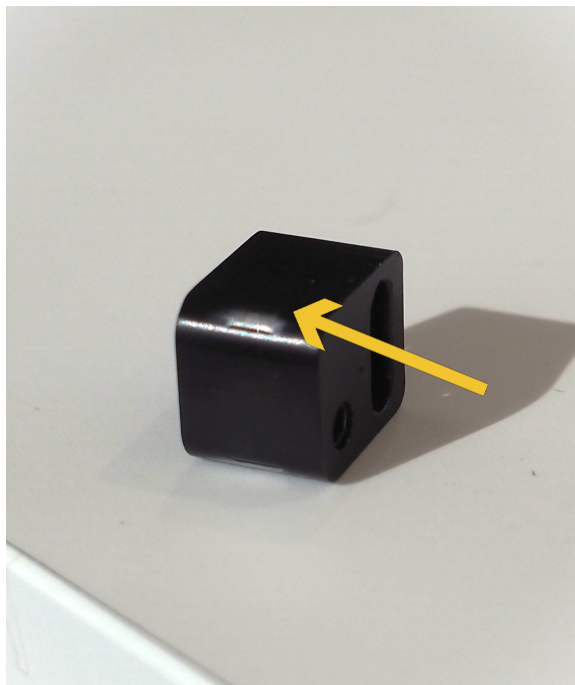
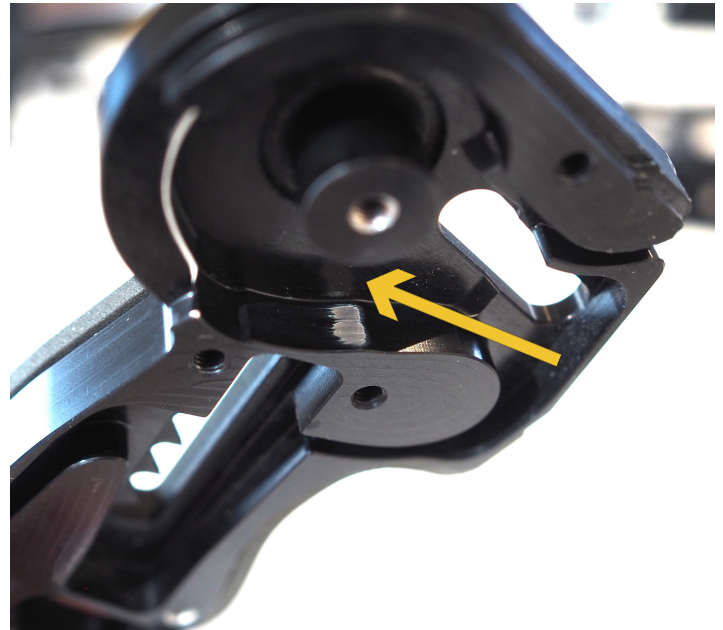
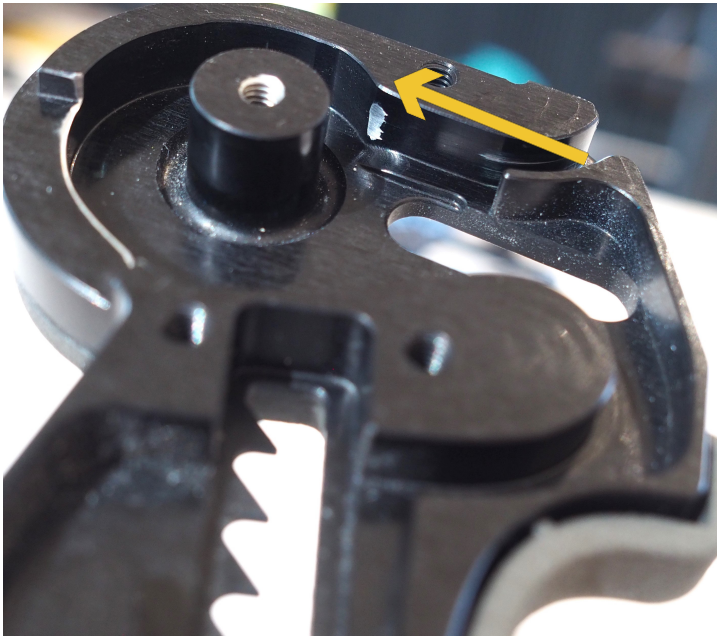


Disassemble the brake unit



Inspecting the decender

The presence of sand and dirt within the rope accelerates the wear on metal components beyond the normal rate. It is crucial to carefully examine the condition of these parts when replacing the rope. If the wear exceeds the levels depicted in this manual's images, the unit should be discarded. Additionally, when replacing the rope on a used brake unit (similar to the one illustrated), expect the rope to deteriorate more rapidly than it would on a new unit.

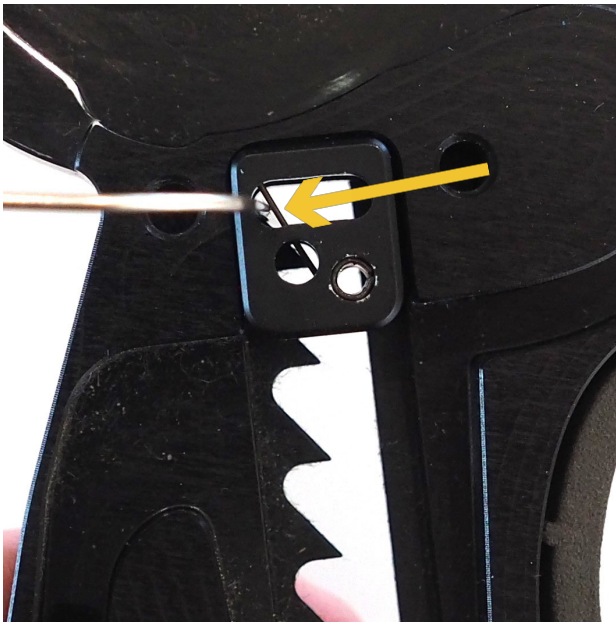




Inspect the nylon webbing for damage and replace if worn.



Installing the rope



Insert the prebrake into the designated slot and gently position a slender object between the spring and the front wall. Shift the spring toward the wall on the right.



Insert the metal cylinder and prebrake button between the spring and the left wall, then extract the slender object.



The spring tension will secure the prebreak button in position.



Wrap the rope around the cam, securing it firmly using your thumb and index finger.



Insert the cam with the rope into the housing.



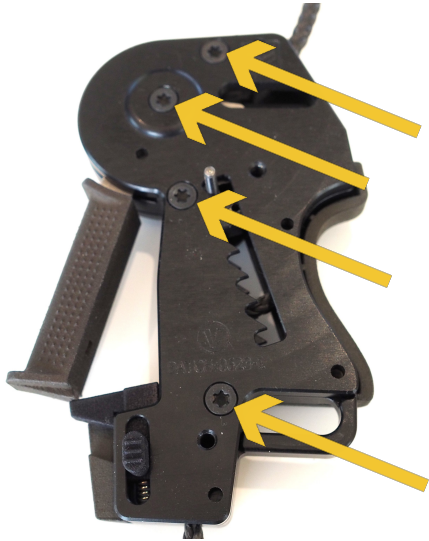
Press the rope down with a blunt item.
Especially in the area marked with the yellow arrow.



Insert the spring-loaded neutral button into the
housing.



Place the cover on the housing. Pull on the brake side of
the rope to make sure the rope is not pinched between
the housing and the cover.



Tighten the 4 x m4 long screws to 3.5Nm



Tighten the m4 short screws to 0.8Nm



Slide the neutral button down and press the handle all the way in.



Upon releasing the handle, the neutral button ought to rise while the handle shifts away from the neutral position.



Dab a small amount of universal glue onto the top section of the metal pin.



Place the round button firmly and then let it dry.



Attach the webbing and carabiner to the brake unit.





Adjust the prebrake button to its maximum setting, followed by a reduction to 50kg.



Pull the rope on top of the device while holding on the nylon sling/carabiner. The handle should move out and the rope should stop.



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Designed,
developed and
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