

Scuba

SL • SL STAR

FUCILI
GUNS
FUSILS
FUSILES

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Congratulations! The product you purchased, which is the result of continuous research and development, is made in compliance with CRESSI-SUB quality standard, thus ensuring long reliability and duration.

**The "SL" series guns are manufactured in the following versions:
SL STAR 40 - SL STAR 55 - SL STAR 70;
SL 55 (with reducer) - SL 70 (with reducer)
SL 100 (with reducer).**

1. Description.

⚠ WARNING

Read carefully this user's manual before using the gun, and store it for future reference.

This type of guns can be called of "air spring" type since the arrow (N.° 13 - table 8) propulsion is obtained through compression of the air contained in the gun tank (N.° 6 - table 8), which takes place each time the gun is charged. In fact, when the rod (N.° 13 - table 8) is fitted into the gun barrel (N.° 7 - table 8), the piston (N.° 4k - table 8) is pushed across the barrel (N.° 7 - table 8) and the pressure inside the tank (N.° 6 - table 8) increases until the piston remains coupled to the release mechanism (N.° 12k - table 8). Now, if the trigger is pulled (N.° 19k - table 8), the piston is free, and it receives the violent air expansion running across the barrel (N.° 7 - table 8) until it stops against the damping bushing (N.° 16k - table 8), thus releasing the rod (N.° 13 - table 8) which is held inside the piston simply through friction. Then, the compressed air, by expanding upon firing, provides the power required for firing, thanks to the energy stored when charging the arrow.

The SL series guns, designed for underwater fishing, are watertight and compressed-air operated. Lightweight and balanced, they can be easily handled thanks to their anatomical handle to

the whose base the buoy line can be fastened.

In the water, when the arrow is charged, they are lightly negative whereas they float after firing, except for the SL 40 model.

A small quantity of oil is introduced in the gun to lubricate its internal parts.

The lightweight and self-concentrating piston ensures improved arrow accuracy and speed.

The gun, which is supplied ready for use with the required quantity of lubricant and with compressed air at the recommended medium pressure of 18-20 bars, is provided with an 8-mm rod. In models fitted with power reducer, the gun can be used at its maximum pressure (FIG. 2 - "MAX" position) or at its reduced pressure (FIG. 2 - "reduction" position), depending on the firing type chosen, at either maximum or reduced power. You can also make arrow charging easier by turning the reducer lever to the "reduction" position.

The SL guns are also provided with an automatic trigger-operated line release mechanism (n° 11K - table 8).

2. How to charge the gun.

⚠ WARNING

Do not charge or discharge the gun in the air! Carry out these operations only in the water in order to guarantee your safety, and not to damage the gun! Never fire from air to water!

To charge the gun, first turn the safety on (N.° 17 table 8), then lay the handle on your thigh or foot, and fit the arrow into the barrel using the handle magazine supplied, keeping firmly the muzzle with your free hand (FIG. 1), and pushing the rod until the piston couples to the release mechanism.

The guns provided with pressure reducer allow to charge the arrow more easily, by turning the reducer lever to the "reduction" position, as shown on FIG. 2.

⚠ CAUTION

Never keep a charged gun on shore or in the boat. Only use it in the water for underwater fishing. Never point a charged gun, even for one moment only, against another diver. Always turn the harpoon tip away from people. When you are finished with using the gun, you must absolutely discharge the gun in the water.

3. Pressure inside the tank.

As mentioned above, the gun is supplied ready for use with the required quantity of lubricant, and with compressed air at the recommended medium pressure of 18-20 bars. To restore the precharge pressure, unscrew the back plug (N.° 10 - table 8), pointing the gun barrel downwards, screw the pump supplied without forcing it, and operate it as shown on FIG. 3. You should always make sure, through the lateral muzzle holes (N.° 2k - table 8), that the piston (N.°4k - table 8) is placed at the end of its stroke and is not coupled to the release mechanism, i.e. it is ready for firing. In guns provided with pressure reducer, pressure can be restored also when the reducer is turned on (FIG. 2 - "reduction" position) since the air compressed by the piston in the barrel goes to that locked tank part as well, by means of a non-return valve (N.° 16k - table 7).

With an optional pressure gauge, you can also check the precharge pressure achieved.

⚠ CAUTION

Never increase the precharge pressure supplied by the company (18-20 bar) in order not to damage the gun or cause accidents!

Model	Number of pumping actions to restore a 18-bar precharge pressure	Number of pumping actions to restore a 20-bar precharge pressure
SL 40	100	115
SL 55	180	200
SL 70	250	280
SL 100	480	510

⚠ WARNING

To either decrease or completely release the internal precharge pressure, do the following:

- 1) in guns provided with pressure reducer, this must be turned off (FIG. 2 - "MAX" position) before releasing pressure;**
- 2) pointing the gun barrel downwards, unscrew the back plug (N° 10 - table 8) and press the valve ball (N.° 9k - table 8) with a tip in order to allow the air contained in the tank to come out.**

When doing so, keep the valve away from your face in order not to get splashed with the atomized oil which may be ejected together with air.

4. Care and maintenance.

Rinse the gun thoroughly with fresh water after each dive. **If, while using the gun, it should accidentally fall in the sand or, in any case, on the sea bed, rinse it thoroughly with fresh water, keeping the muzzle union downwards, before fitting the arrow back to recharge it.**

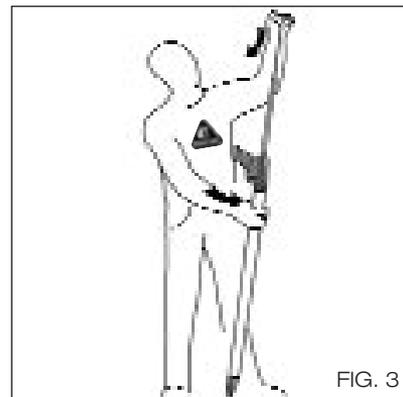
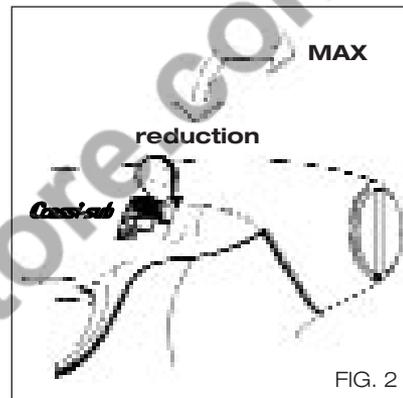
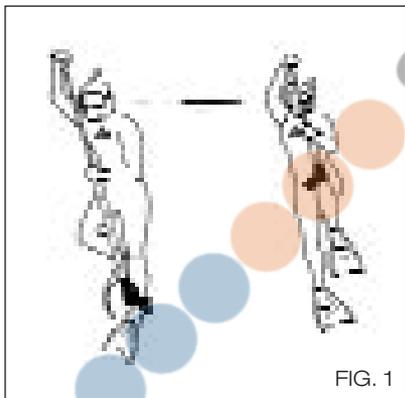
Do not expose the gun to the sun or to direct sources of heat.

Do not disassemble the gun if the precharge pressure has not been fully released, as described in the relevant steps of paragraph 3.

Any maintenance work or repair to the gun must be carried out **only** by technical personnel of Cressi-sub authorized centres.

CRESSI-SUB ASSUMES NO RESPONSIBILITY FOR ANY MAINTENANCE WORK CARRIED OUT BY PERSONNEL NOT AUTHORIZED BY CRESSI-SUB.

It is recommended to have the gun overhauled at least once a year by an **authorized Cressi-sub** centre, using only original Cressi-sub spare parts, in order to ensure its efficiency and highest operating safety.

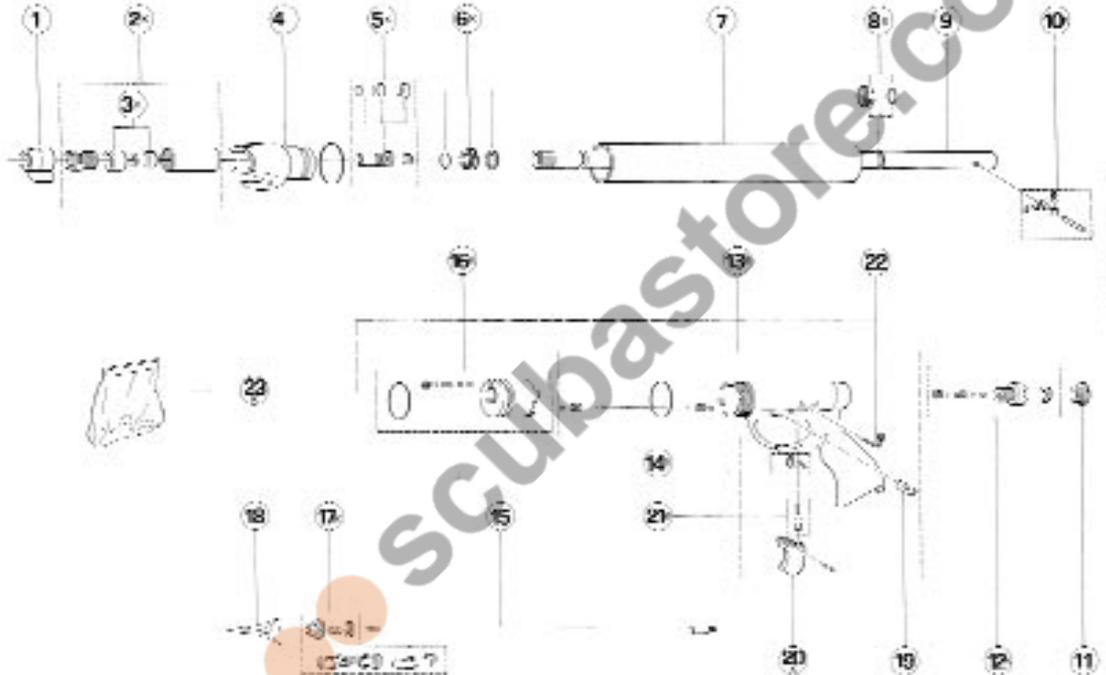




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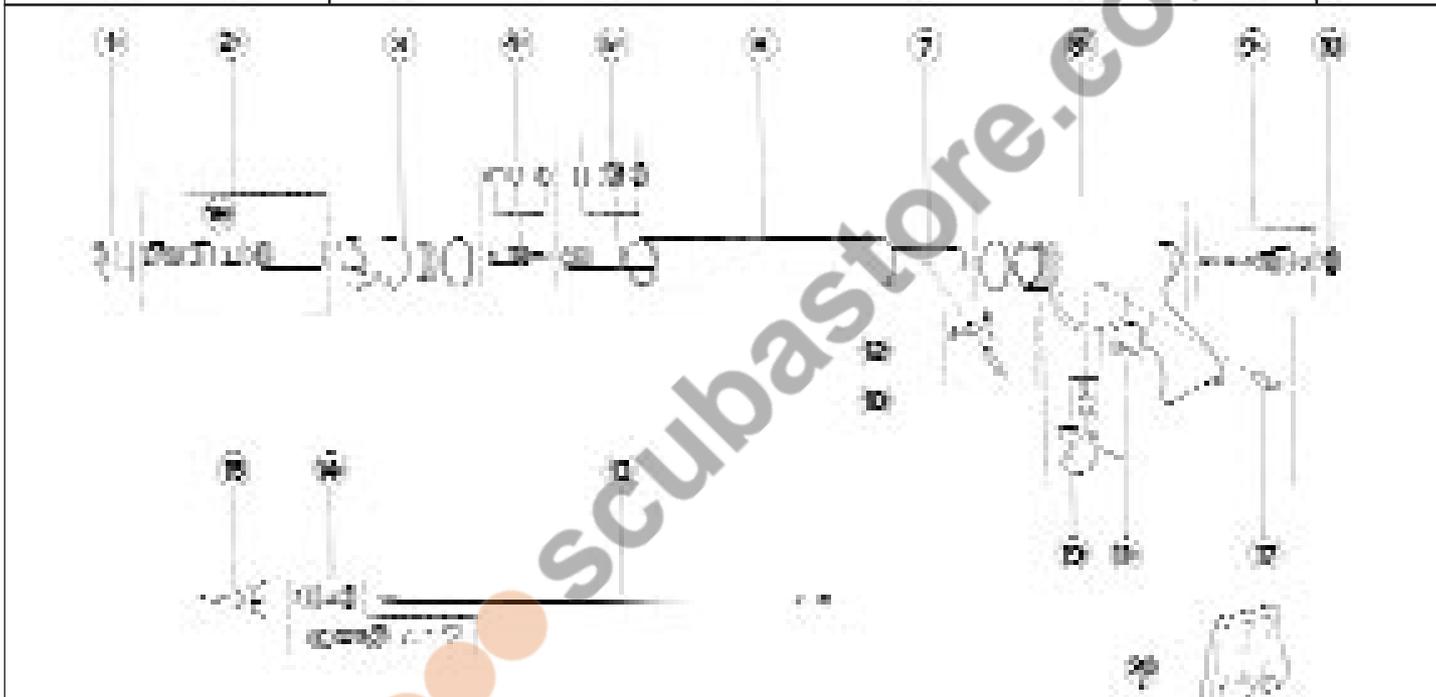


Pos.	Codice/Code	Pos.	Codice/Code	Pos.	Codice/Code	Pos.	Codice/Code
1	FZ 340050	7	FZ 365010 SL 100	13K	FZ 360098	19	FZ 360025
2K	FZ 360070	8K	FZ 360049	14K	FZ 360085	20K	FZ 360095
3K	FZ 360004	9	FZ 361011 SL 55	15	FZ 361036 SL 55	21K	FZ 360086
4	FZ 360005	9	FZ 362011 SL 70	15	FZ 362036 SL 70	22	FZ 360026
5K	FZ 360072	9	FZ 365011 SL 100	15	FZ 365037 SL 100	23K	FZ 360036 SET OR
6K	FZ 360090	10K	FZ 360091	16K	FZ 360089		
7	FZ 361010 SL 55	11	FZ 360088	17K	FZ 360093		
7	FZ 362010 SL 70	12K	FZ 360096	18	FZ 390004		

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Pos.	Codice/Code	Pos.	Codice/Code	Pos.	Codice/Code	Pos.	Codice/Code
1	FZ 340050	7	FZ 360011 SL/STAR 40	13	FZ 360036 SL/STAR 40	19K	FZ 360095
2K	FZ 360070	7	FZ 361011 SL/STAR 55	13	FZ 361036 SL/STAR 55	20K	FZ 360060 SET OR
3	FZ 360005	7	FZ 362011 SL/STAR 70	13	FZ 362036 SL/STAR 70		
4K	FZ 360072	8K	FZ 360097	14K	FZ 360093		
5K	FZ 360090	9K	FZ 360096	15	FZ 390004		
6	FZ 360010 SL/STAR 40	10	FZ 360088	16K	FZ 360004		
6	FZ 361010 SL/STAR 55	11K	FZ 360085	17	FZ 360025		
6	FZ 362010 SL/STAR 70	12K	FZ 360091	18K	FZ 360086		

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