

SUBAL austria

INSTRUCTION MANUAL for STROBECASE SN-900

INSERTING THE NIKON SB-900

Slide the SB-900 into the hot shoe of the STROBECASE SN-900 lid and tighten the fixing-lever (see also information 1).

Check the O-ring. O-rings should be absolutely clean and lightly greased. We recommend the use of waterproof Silicone grease. Too much grease results in the accumulation of small dirt particles which can be hard to see. The O-ring groove and the sealing surfaces must be absolutely clean.

Push the two shafts for the main dial and ON-OFF switch fully outward.

Slide the lid with the strobe on into the housing taking care for the index pin and locating hole, push the lid fully into the housing and lock the latches (see also information 2). Ensure that the locking spring of the latches clicks properly into the small cutaway on the main part of the latch. The latch springs can be bent a little bit if necessary.

Check if the gap between the housing frontpart and the lid seems equally spaced all around.

When opening, please take note of the following hints:

Pull out the main dial and the ON-OFF turning knob fully.

After you have unlocked the latches, slide out the lid and strobe slowly and carefully to avoid water drips onto the flash. It is recommended to rinse the housing with fresh water and dry up before opening.

Avoid strong heating of the housing by sun rays particularly before diving.

CABLE

Although the TTL-cable supplied with the housing provides two equal Nikonos-System plugs it is suggested you always use the same plug on the SN-900 housing socket.

OPERATING

Operating of the strobe under water is analog to land operation (concerning the main switch please also see information 3).

STROBECASE SN-900 with the NIKON SB-900 is suitable for lenses of 12 mm (with the built in diffuser) or longer focal length. It works directly with the camera via the TTL cable. The maximum range is reduced to approximately 1/3 of the above water values.

Because the flash underwater is usually in a sideways position, the flash orientation is difficult to position correctly, the zoom reflector should therefore always be set on the maximum coverage angle. Please watch, when setting the flash unit, that the reflector is always in the horizontal position.

The base plate of the housing provides threads M8 and 3/8" for use of all current strobe arms. M6 thread on the accessory shoe allows attachment of a light pilotlamp or laserpointer.

Recommended accessory: Aiming Lite with adjustable bracket.

INFORMATIONS:



1) The design of NIKON SB-900 is a little bit adverse for inserting into a tube shaped underwater housing as it does not allow a straight positioning of the reflector. The picture shows how to set the reflector.



2) The slide in of the strobe into the STROBECASE SN-900 has to happen in slope direction as shown on the picture. Bevor reaching the end position it has to be aligned into the opening of the support plate inside the housing. This can need a little bit practice on the beginning.



3) Operating the main switch (ON-OFF):
The design of the main switch lever on NIKON SB-900 makes a manual control on an underwater housing difficult. The nose of the towing arm only can be very small. If possible avoid often use of this control.

For power up the strobe set the ON-OFF turning knob into the position shown on the picture, the white dot pointing to left. Push down the knob and turn clockwise to the wanted position.

To power down the strobe or to change the set position lift the turning knob and turn it the white dot pointing to the right. By feelingly pushing down and turning counter-clockwise the ON-OFF lever on the strobe can be set back towards OFF.

We thank you very much on your choice of STROBECASE SN-900 underwater housing for the NIKON SB-900.

To get the best results, to take full advantage of the system and for the protection of your equipment, we recommend you take careful note of all the hints contained in these instructions for use.

We hope you enjoy using the STROBECASE SN-900!

GENERAL

Warning! It will be assumed that the user of the camera is fully confident and trained in the use of diving equipment.

The demands on underwater photographic equipment are very high - pressure, aggressiveness of salt water and not least, improper use results in a risk which can only be avoided by careful handling.

Therefore assemble carefully and calmly. Check twice!

During the production process all functions and the tightness of each individual housing are tested and checked several times. Nevertheless, we recommend to test dive the housing first **without the system flash fitted**, to insure that all is well and no transport damage happened.

If the equipment has not been used for a prolonged period or perhaps after a service (i. a. greasing of the shafts, etc.) always test dive first without the system flash fitted.

Important! The equipment should be rinsed thoroughly in freshwater after each dive in saltwater. Metal parts, especially threads (screws) should always be greased.

Metal parts, particularly threaded parts should never be stored assembled without first having been cleaned and dried. Salt residue should be removed before prolonged storage by placing in freshwater for several days, then dried.

The O-ring of the lid should be removed if the housing is not used.

Only use original SUBAL-spare parts and SUBAL-accessories.

Have your equipment overhauled from time to time by the manufacturer or by an authorized service center - it is worthwhile.

USE AND MAINTAINANCE OF O-RINGS

Most care is requested with the body O-ring. Ensure that the O-ring has no mechanical damage like cuts or flat spots. If so, replace them immediately.

Hint: Stretching the O-ring a little and feeling it as you slide it between your fingers is a good way of detecting abnormalities.

When closing the housing care should be taken that the sealing surfaces on the housing, the O-ring groove of the housing and the O-ring itself are absolutely clean. Remove all dirt particles carefully to prevent water entry.

The sealing surface and the O-ring should be thinly greased with Silicone grease. This reduces friction and abrasion and allows the O-ring to settle into place easily.

Do not use too much grease. Undetected dirt particles could accumulate and would lead to water entry. Take a little bit of grease on two fingers and pull the O-ring between these fingers until it is greased all around. Wipe off excess. The O-ring should just have a sheen.

Never use hard or sharp metal tools for putting in or removing the O-rings. You could permanently damage the sealing surface or the O-ring itself.

When inserting the O-ring take care that it is not twisted or is lying undulating in the groove.

The useful life of O-rings is limited in duration depending on care, frequency of use and storage conditions. It is absolutely essential to change them regularly. So, if you plan not to

use your housing for a long time, remove the O-ring and store it in a cool place without deformation.

GUARANTEE

DURATION OF GUARANTEE:

STROBECASE SN-900 is guaranteed against defects in material or workmanship for two full years from date of purchase for consumer use. Housings used commercially are guaranteed for 90 days. The invoice or receipt is valid as guarantee certificate. Keep it safe.

CONDITIONS OF WARRANTY:

The guarantee extends without exception to the rectification of material and production faults of goods manufactured by *SUBAL austria*. Faulty parts are exchanged or repaired at the option of the manufacturer. Prerequisite for right to claim is impeccable care and use of the unit. Improperly handling, damage or the use of non-SUBAL O-rings except each warranty claims.

No further claim is possible.

No guarantee claim will be accepted without the prior consultation and authorisation of the manufacturer and must be returned freight paid. The guarantee is void after intervention, repair or modification by non authorised persons.

In order to check for transport damage, we recommend that newly delivered units be water tested without the camera or flash unit fitted.

REPAIRS:

The unit must be returned freight prepaid after phone or e-mail contact to *SUBAL austria*, *SUBAL europe* or any other SUBAL partner.

Particularly custom handling has to be clarified ***before*** shipment if the unit will be returned from NON-EU countries.