



Care and Maintenance REGULATORS

by Keith Cardwell

The majority of us use what is often described as single hose, 'open circuit' scuba. This basically describes a compressed air source or scuba tank, and a magic gadget called a regulator that takes the air from the scuba tank via a single hose to a valve with a mouthpiece on it. That's shoved in our gobs so we can breathe from it and when we exhale, it gets exhausted into the water we're diving in.

Curiously, one of the only times we will recognise the expression 'single hose' is when we first take our new regulator out of the box it first came in. But if we now look at it, the odds are there are a few more hoses we've attached belying that earlier description. In fact it will probably look like an octopus with a metal head and liquorice arms.

But getting down to it: Looking after our gear properly is a must. The procedures for regular care and maintenance are drummed into us from the very first dive course we did

Wipe the dust cap.



Store coiled, not kinked!



and I'm sure that most of us follow the rules we were taught. And when it came to making that regulator purchase there was a manual or booklet included giving the manufacturer's recommendations on how to keep it healthy and working. This may also include the requirement of a six or 12 monthly service by a qualified agent and failure to follow this procedure may make your

guarantee null and void.

But whether it's a new regulator or not, the following steps are generally recommended for basic care as soon as you've finished your day's diving:

1. Dry off the dust cap that's usually attached to the first stage. Either wipe or blow it dry. Just a mouthful of exhaled air usually does the trick but for those who found difficulty in passing the respiratory challenge at their last diving medical, preference is given to using the remaining air in the tank. This is certainly effective, but it's noisy, quite unnecessary and it has a tendency of blowing the o'ring out of the

tank valve. And from one whose ears often ring from listening to the cacophony often heard after a dive, please! just use your own exhalation or use a cloth!

2. If you can, now put the regulator in a bath of warm water and preferably with some disinfectant in it. Caress as if it was a bunch of pet eels. This will help in getting rid of any salty (or other) stuff trying to find a home on it. Don't push any purge buttons while it's underwater as this may allow water to

enter the regulator, and with many models, cause possible internal damage.

3. Now rinse it off by using a gently flowing stream of water.

4. Dry it off thoroughly before storing it away. Avoid drying in direct sunlight and stow your regulator away somewhere cool and, of course, dry. Make sure that the hoses are not placed in such a way as to cause kinks or sharp bends. Also, the ultraviolet rays in the sunlight tend to break down rubber.

There are many regulators to choose from and usually, like most things, you get what you pay for. But whatever you get, invariably it will last longer with just a little TLC.

Surprisingly, many divers I see assembling, using and disassembling their gear show about as much concern for their equipment as the legendary driver who hears a funny knocking in the front of their car and just turns the radio up to drown the noise out. And like cars, regulator servicing alone can become quite expensive if little signs of wear and tear are ignored. If you see a leak, a frayed or cracked hose or mouthpiece, get it fixed. The best time to check for this is just before it's finally stowed away.

Rinse using a gently flowing stream of water.



