

SCUBAPRO ENGINEERING BULLETIN #203

8/89 Page 1 of 1

TANK VALVE HIGH PRESSURE LOCK UP

There have been a few problems with the 3/4" Tank Valves (P/N 14-059/070-000) preventing the first stage regulator from being removed after the air pressure is turned off. The cause of the problem is a small space behind the O-ring where air pressure builds up and forces the O-ring against the regulator seat. This back pressure pulls the regulator yoke screw against the tank valve with such force that the screw cannot be unscrewed with normally force.

Should you find this condition, after turning off the air and purging the air from the regulator, there are two immediate steps which can be taken:

1. Force the regulator yoke screw. But be careful, too much force could strip the threads. If the lock up is too tight, go to Step 2.
2. Let the regulator and tank set for about 24 hours or until the air seeps out from behind the valve O-ring and then remove the regulator normally.

For those few valves with this condition, a simple modification will be done to eliminate the back pressure problem. A small hole will be drilled through the inside wall behind where the O-ring sits to release the back pressure. Do NOT attempt to drill this hole yourself, but send the valve to the SCUBAPRO Repair Department for the modification.

