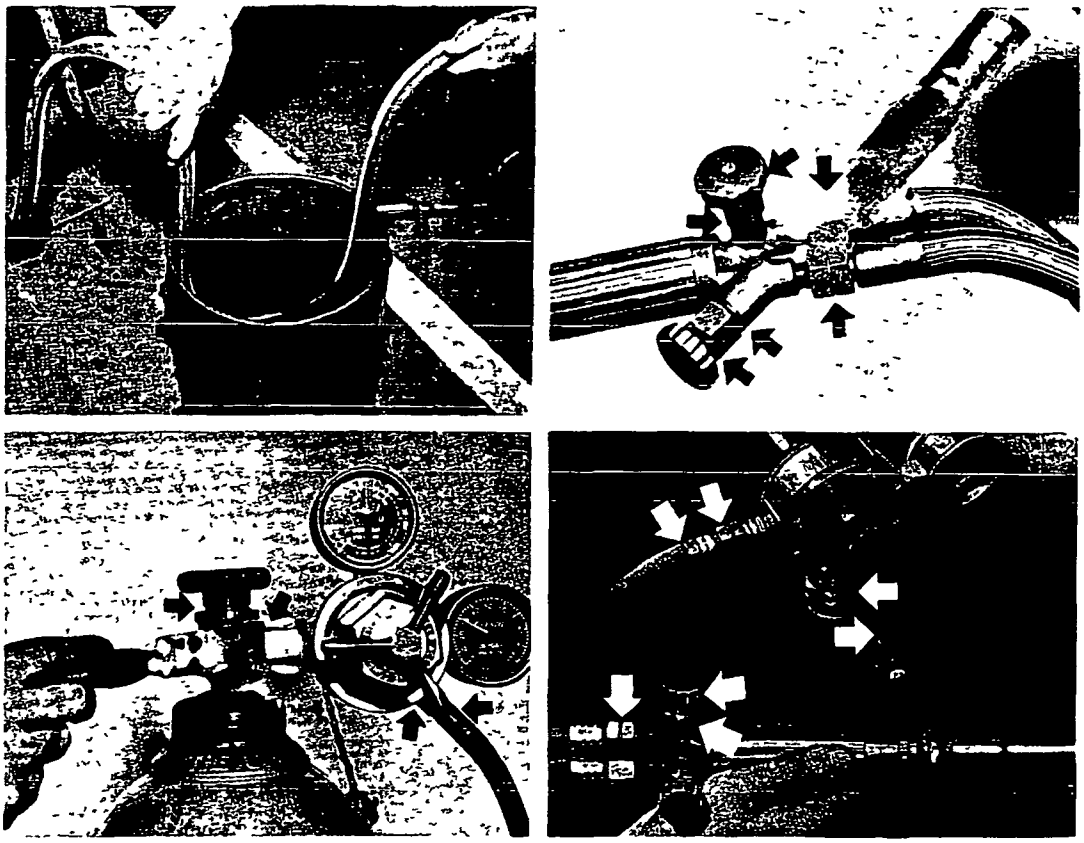

FIG 34-2 —Testing for leaks With the pressure on and the torch valves closed, hold the hose (*upper left*) and the torch tip under water Bubbles indicate leaks Use soapsuds to test for leaks on the torch valves and hose-to-torch connections (*upper right*) as shown by arrows Separately test the oxygen and acetylene cylinder and regulator connections (*lower left and right*) for leaks at points marked by arrows

(nonfat soap) or approved leaktest solution, check connections for leaks as in Fig 34-2 At the same time, check regulator for creeping indicated by an increase in the reading on the low pressure (delivery) gage If the regulator creeps, have it replaced or repaired before it is used

7 Test acetylene connections for leaks Be sure torch acetylene valve is closed and proceed in manner similar to No 6 above —except that acetylene regulator pressure-adjusting screw should be set to produce a pressure of about 10 psi (see Fig 34-2)

8 If torch is to be used immediately, proceed as in No 9 If not, close cylinder valves, open torch valves to release pressure on regulator, etc , close torch valves, and release pressure-adjusting screws on regulators

9 To adjust pressures of oxygen and fuel gas prior to using torch, proceed as follows with all torch valves closed, slowly open oxygen cylinder valve, open torch oxygen valve, turn in pressure-adjusting screw on oxygen regulator to desired pressure, then close torch oxygen valve Open acetylene cylinder valve (1½ turns only), and with torch acetylene valve