

INSTRUCTIONS - SAFETY VALVE COMBINATION CONTROL TEST FIXTURE

REFERENCE: DRAWING RP-1390 R

Mount adapter 22345 on test fixture. Install gage "A" in topped opening on adapter 22345 instead of where shown on Drawing RP-1390 R. Connect pressure supply to fixture where indicated on Drawing RP-1390 R.

DO NOT USE OXYGEN AS A PRESSURE SOURCE !

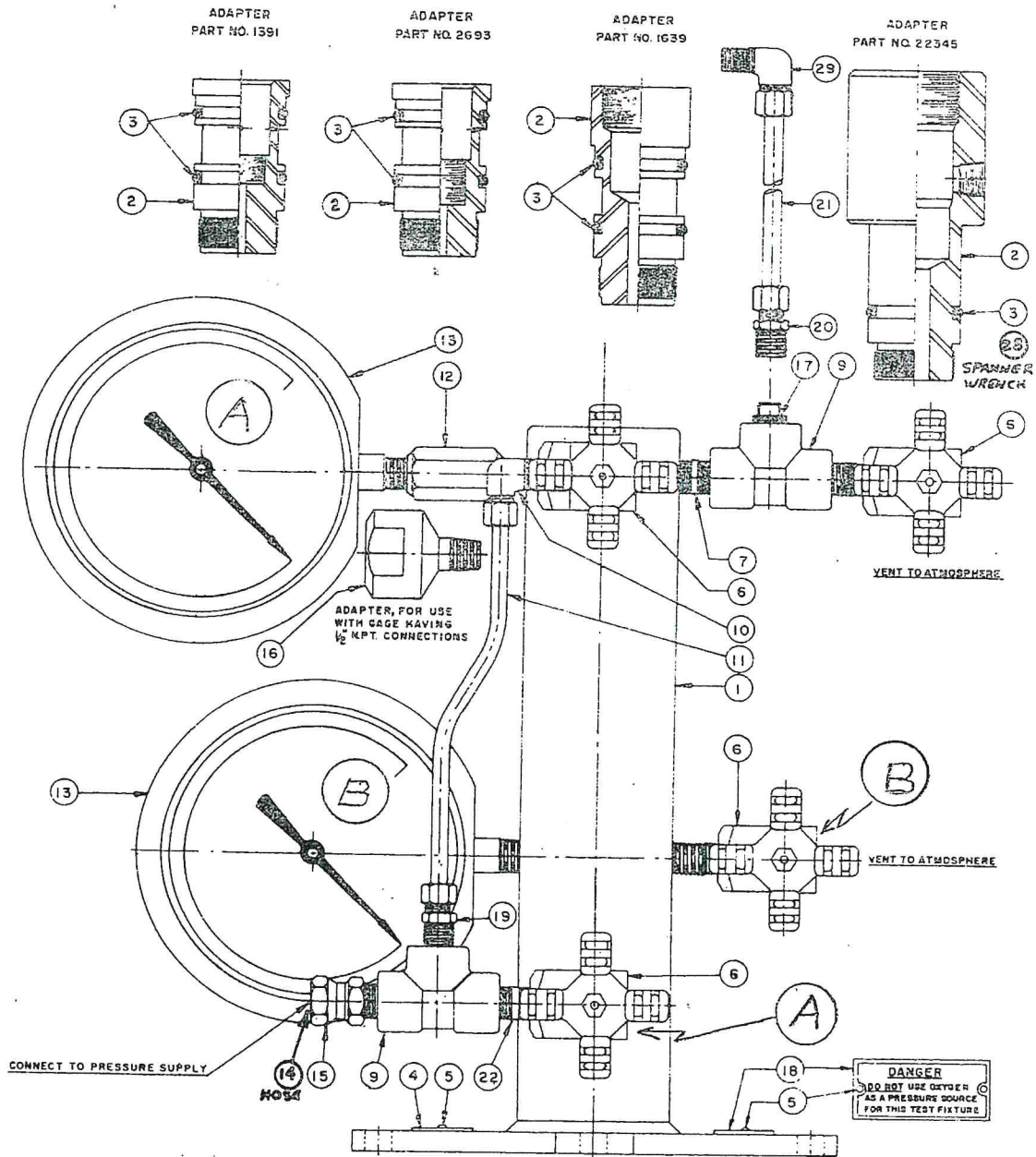
Insert control into adapter. Control need not be made up with force in the fixture since "O"-Rings seal off the pressure.

To Test Combination Control Relief Pressure Setting:

- (1) Close all valves.
- (2) Open regulator until pressure upstream of valve "A" is several hundred psi above approximate control test pressure. A regulator is not necessary, but desirable.
- (3) Gradually increase pressure in test fixture chamber with valve "A". Immediately after control pops, close valve "A". Note gage "B" as control pops. If control doesn't "blow down" by itself, slowly bleed pressure from chamber with valve "B" until pressure indicated on gage "A" jumps back up from zero. The control cycle is not completed if gage "A" is zero. This cycle must be completed before control can be popped again.
- (4) Open valve "B" and bleed chamber to zero.
- (5) Remove control.

To Set Combination Control Relief Pressure:

- (1) Close all valves.
- (2) Turn control cap clockwise until hard to turn, then back off two turns.
- (3) With regulator fully closed, open valve "A". Open regulator until pressure in fixture chamber is 10% or more above desired control set pressure. (Regulator may be omitted from the system and chamber pressure controlled by needle valve "A"). Gage "B" indicates chamber pressure. With needle valve "B", bleed pressure in chamber to set pressure and hold.
- (4) Turn control cap counterclockwise until control relieves pressure. Note gage "B" reading as control pops. If control doesn't "blow down" by itself, bleed pressure with valve "B" slowly until pressure indicated on gage "A" jumps back up from zero. The control blow-down cycle is not completed until the "A" gage pressure jumps up from zero. This cycle must be completed before control can be popped again.
- (5) To recheck setting, fill chamber again with valve "A" until control pops. Immediately close valve "A". Complete blowdown cycle with valve "B". For final setting, adjust control cap until control pops at desired pressure. Secure setting with locknut against cap.
- (6) Repeat test to check setting.
- (7) Open valve "B" and bleed chamber to zero.
- (8) Remove control.



NOTE: REFER TO TD PAGES H-949, H-951 and H-952 FOR PART NUMBER SUFFIX, BILL OF MATERIAL AND TESTING INSTRUCTIONS

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SAFETY VALVE
TEST FIXTURE

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