Checking the pressure regulators on the 3244/3230 engine

Description

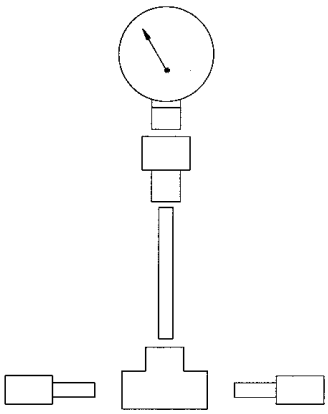
Pressure regulators should be checked periodically to ensure they are set properly.

Context

- ☑ Platesetter 3244
- ☑ Trendsetter 3244
- ☑ Trendsetter 3230 (TS4 Version)

Special tools

Pressure Regulator Tester (93-0005A)



55-0243 GAUGE,AIR,0-160PSI,1/8”NTP

55-0178 UNION,BULKHEAD,AIR,FEM,1/8”NTP,1/4”TUBE

56-1043 TUBE,AIR,1/4”OD,RED,POLYURETHANE (.25m)

55-0336 ADAPT,AIR,5/16”SOCKET,1/4”TUBE,QUICK (3)

55-0256 UNION,TEE,AIR,5/16”TUBE,PBT

56-1040 TUBE,AIR,5/16”(M8),BLACK,POLYURETHANE (.25m)

Note: Documentation may not be up-to-date. See SAP for the latest BOM.

If the drum roller tube size is 5/32” (4mm), there will be another set of adaptors (55-0412) and 5/32” tubing (56-1038):

55-0412 ADAPT, AIR, 1/4”-5/32” TUBE, PBT

56-1038 TUBE, AIR, 4OD (5/32”), RED, POLYURETHANE

Steps

1. Turn off the air supply to the recorder.
2. Remove the output hose from the regulator you are testing. (Use an open end wrench to help compress the quick release collar on the regulator body.) The regulators are located at the air manifold.

3. Insert the pressure gauge tool into the system lines at the regulator.
4. Turn on the air supply and press the blue button on the control valve to apply pressure to the circuit if necessary.
5. Set the roller backbone down pressure to 30 psi if it is a LinAct cylinder. Set it to 65 psi if it is an SMC cylinder.
6. Set the TEC backbone down pressure to 30 psi.

Notes

The regulators used in the engine do not bleed as they are adjusted. They only bleed when the lines are vented. As a result, the regulators should only be adjusted in the direction of increasing pressure, i.e., clockwise or an inward turn of the knob. If the knob is adjusted past the desired set pressure point, back out the adjustment knob and re-actuate the motion and adjust again.

Avoid adjusting the pressure regulators on the engine without a pressure gauge.