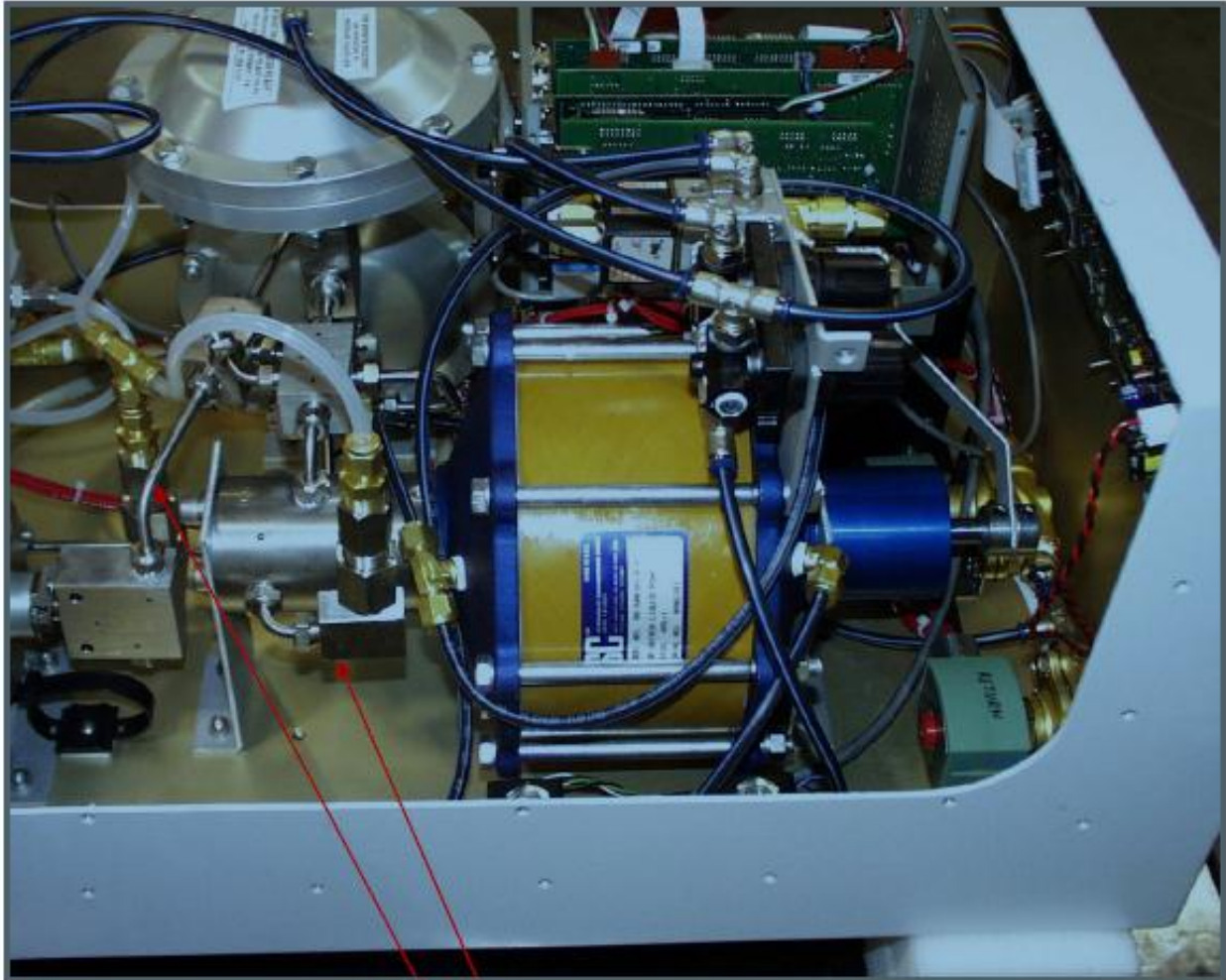


7615 rupture disk replacement

This procedure is intended for Fluke Calibration Employees, Approved Service Providers, or other authorized personnel trained on service repairs of 7xxx controllers.

Purpose

This document shows how to replace rupture disk(s) in a 7615 pressure controller.



Remove Rupture
disk assembly and
place in a vise.

Fluke Part No	Description	Safety head hold-down nut torque	
		(ft-lb)	(N-m)
3907602	69-793,SAFE HEAD .25X.083TBG F/1/4A DISC	n/a	n/a
3907616	69-799 DISC RUP .25A INCONEL 11 500 PSIG	36	48
3907625	69-808 DISC RUP .25A INCONEL 3300PSI	12	16
3907633	69-810 DISC RUP .25A INCONEL 16000PSI	45	61
3907640	69-811 DISC RUP .25A INCONEL 1200PSI AE# 7303	37	50
3907657	69-813 DISC RUP .25A INCONEL 22000 PSIG	58	78
3907669	69-814 DISC RUP .25A INCONEL 21700PSI	57	77
3907678	69-815 DISC RUP .25A INCONEL 33KSI	81	109
3907684	69-816 DISC RUP .25A INCONEL 2300PSI	16	22
3907691	69-817 DISC RUP .25A INCONEL 6600PSI	25	34

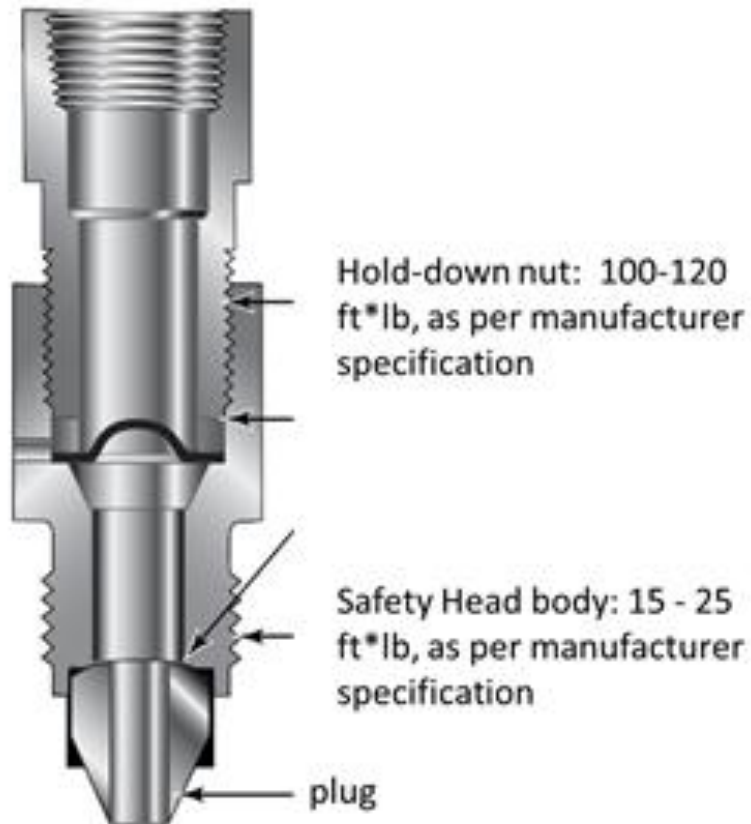


Figure 6
Safety Head

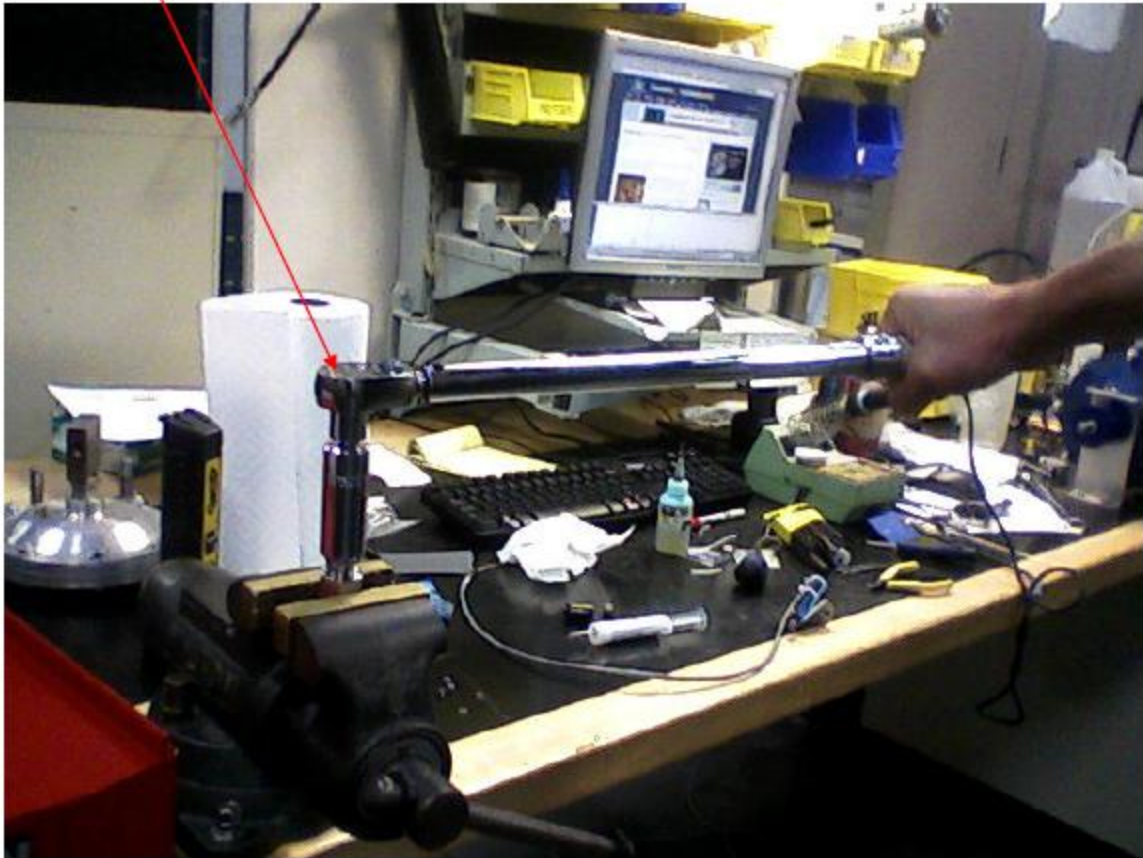


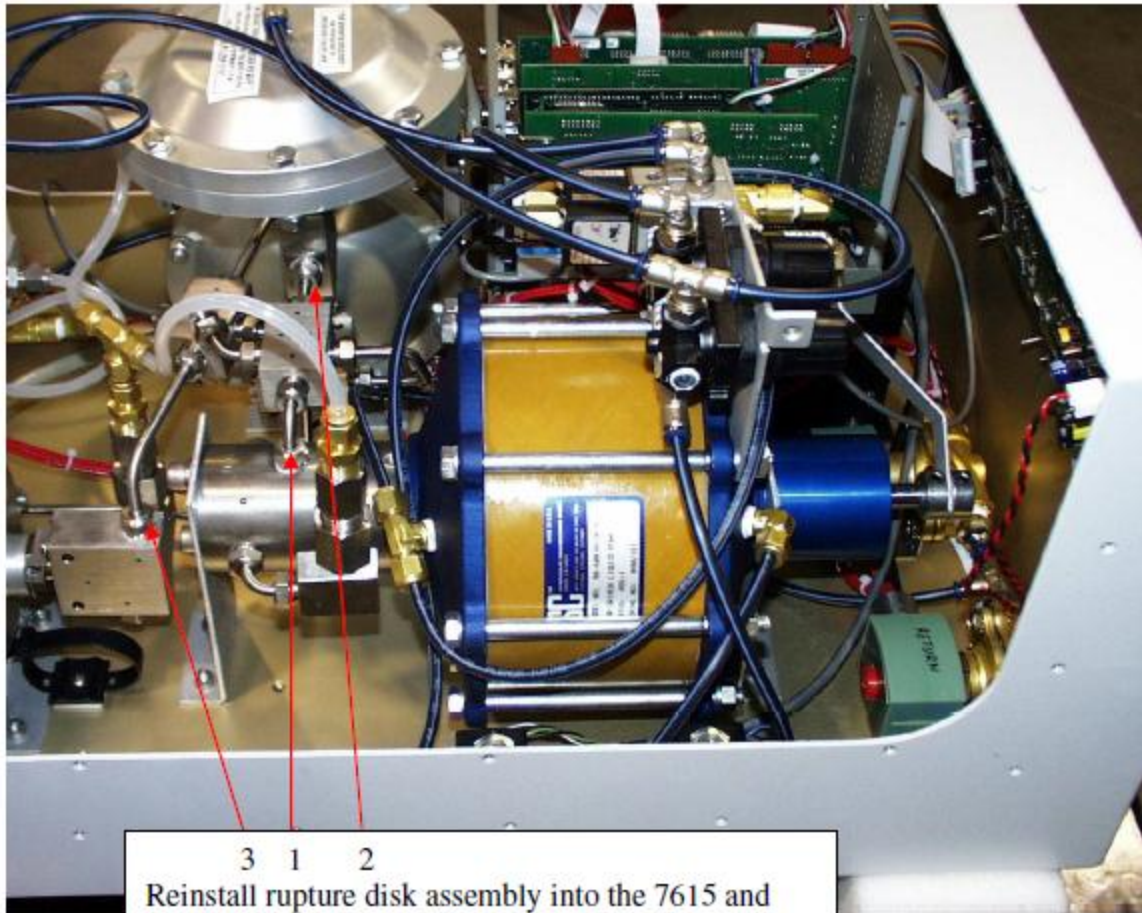
Disassemble
Rupture disk
housing.

Replace rupture disk
and
reassemble housing



Torque housing to
110 ft/pounds





3 1 2

Reinstall rupture disk assembly into the 7615 and loosen these fittings in the above sequence, control pressure until all the air is out and you only see fluid then re-tighten the fitting and proceed to the next one. **Do not let the pump recharge when a fitting is loose or it will bring in air from that loose fitting.**

Once the internal lines have been bleed then bleed external from the rear test port by using the “menutest|purgelfill pump” feature. Once you see no air and all fluid coming out of the test port line press the cancel key to stop the purge function and you should be ready to go.

Purge the air from your manifold that is connected to the 7615 by using the fill pump option in the "menultestpurge" screen.

