

S E R V I C E N O T E

SUPERSEDES: NONE

5DX Structural Process Test Systems Series 2L.

Serial Numbers: USXXXXXX300 / USXXXXXX390

Modifications to correct innerbarrier problems**To Be Performed By:** Agilent Qualified Personnel or Agilent Trained Customer**Parts Required:**

Part Number	Description	Quantity
E7200-60077	Pneumatic Low Pressure Regulator Assembly Replacement Kit	1
0100-1876	Exhaust Muffler	1

The pneumatic low-pressure regulator assembly replacement kit (PN E7200-60077) now contains the exhaust muffler.

Continued

DATE: February 2000

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:					
MODIFICATION RECOMMENDED					
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 2.0 Hours		
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input checked="" type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT	USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		AGILENT RESPONSIBLE UNTIL: March 2001		
AUTHOR: GS	ENTITY: 0980		ADDITIONAL INFORMATION: Perform this modification during the system's next PM.		



Note

This service note covers four different situations. Verify system needs modification before proceeding.

Situation 1:

The low-pressure regulator does not hold pressure while in low pressure mode. This can cause the inner barriers to drop causing miscellaneous Galil errors. This can result in damage to the xyz-stage and or the inner barrier.

Solution / Action:

Replace the Low Pressure Regulator (PN E7200-60049). Follow the procedure (PN E7200-90132). This procedure is part of the Pneumatic Low Pressure Regulator Assembly Kit (E7200-60077).

Situation 2:

The system goes into low-pressure mode when the Z-position is above 400 mils. This can cause the inner barriers to drop causing miscellaneous Galil errors. This can result in damage to the xyz-stage and or the inner barrier.

Solution / Action:

Replace the interlock cable labeled J25035 with the Z-down disable jumper (PN E7200-61458). Follow the procedure PN (E7200-90132). This procedure is part of the Pneumatic Low Pressure Regulator Assembly Kit (E7200-60077).

Situation 3:

The inner barrier can drop if main air to the system is lost. This can cause the inner barriers to drop causing miscellaneous Galil errors. This can result in damage to the xyz-stage and or the inner barrier.

Solution / Action:

Add check valves (PN 0101-1033) to the inner barrier air valve manifolds. Follow the procedure (PN E7200-90132). This procedure is part of the Pneumatic Low Pressure Regulator Assembly Kit (E7200-60077).

Situation 4:

The low pressure regulator gauge does not correctly measure the air pressure when in high pressure mode. This will cause no failure or damage to the 5DX, but the Perception is that there is a problem.

Solution / Action:

Locate the Low Pressure Regulator Assembly on the rear of the 5DX. If this assembly has an air pressure gauge, it is the latest version. If this is not the latest revision replace the Low Pressure Regulator Assembly (E7200-60077). This assembly now has the Exhaust Muffler on it.

If the Low Pressure Regulator Assembly has an air pressure gauge, check to see if there is an Exhaust Muffler on the Air Solenoid Valve. If there is no Exhaust Muffler, replace the Air Blocking Screw Plug with an Exhaust Muffler PN 0100-1876. There are three holes on the bottom of the Air Solenoid Valve. The left hole has an airline in it. The middle hole has an Air Manifold in it. The right Hole has an Air Blocking Screw Plug in it. Remove the Air Blocking Screw Plug then replace it with the Exhaust muffler.