



2017 Post # 5 BioPak 240 R Bench Contest

Table Layout for Bio-Pak 240-R Contest 2017 Contest Year

<p>Test Apparatus With Upper Housing and Hose Connector Installed</p>	<p>Test Apparatus Mask</p> <hr/> <p>Test Kit</p>	<p>Upper Housing With Parts</p>	<p>Visual Apparatus</p> <hr/>
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**Bio Pak 240 R
2017 Post # 5 Bench Contest**

VISUAL

Missing PCM

Top Right Screw Loose on Facemask

Constant Flow Feed Line O-ring Missing (ID only)

Mask Speech Diaphragm Backwards

Speech Diaphragm off Nose Cup User Right

By-pass Inlet Loose Fitting (ID only)

TESTER

O2 Feed Line Loose at Quick Disconnect

Missing Large O-Ring

Hose Adapter O-Ring installed Wrong

VISUAL APPARATUS CHECKS		TEST APPARATUS	
<input checked="" type="checkbox"/>	Check if ok		CONNECTIONS
	UPPER HOUSING		Vent Valve Assembly - Hand Tight
	LOWER HOUSING		Diaphragm Worm Gear - Wrench Tight
	Harness Assembly		Flow Restrictor - Wrench Tight
	External Gage		Breathing Hose Worm Gear - Wrench Tight
	O2 Regulator / Seal		Add / Constant Fittings - Hand Tight
	RMS		Center Section Lid - Hand Tight
	CENTER SECTION ASSEMBLY		Center Section Push Pins - Hand Tight
	Diaphragm		Cylinder Connection - Hand Tight
	Check O-Ring for damages/lubrication		Adapter to Facepiece - Hand Tight
	Sealing Edges		Test Fixture Connections - Hand Tight
	Demand Valve Assembly	<input checked="" type="checkbox"/>	Check if ok
	Moisture Pads		Zero Adjust the Mag. Gauge
	PCM		CONSTANT FLOW TEST
	CARBON DIOXIDE SCRUBBER		Flow Between 1.6 and 2.4 Lpm - State Reading
	Defects / Damage		DEMAND VALVE TEST
	Gasket		EMERGENCY BYPASS TEST
	Expiration Date		VENT VALVE TEST
	CENTER SECTION LID ASSEMBLY		At or below 2 inches wg - State Reading
	Examine for defects / damage		LOW PRESSURE LEAK TEST
	Sealing Edges		RMS GAUGE AND TRIM TEST
	Ice Canisters		Observe lights/gauges +/- 10% - State Reading
	Coolant Lids		HIGH PRESSURE LEAK TEST
	CYLINDER TEST		LOW PRESSURE ALARM TEST
	Hydrostatic Test Date		Alarm 650-1000 psig - State Reading
	Cylinder Pressure on Gauge		Power down below 25 psig
	Pressure Rating on Cylinder	VI	C
	HOSES		Missing PCM
	Sealing Edges		Top Right Screw Loose on Facemask
	Stretching of Hoses for Pliability		X
	Adapter Assy O-ring damage & lubrication		Constant Flow Feed Line O-ring Missing ID ONLY
	FACE PIECE TEST		Mask Speech Diaphragm Backwards
	Head Strap Assembly		X
	Mask Body / Nose Cup	VI	C
	Sealing Edges		TESTER
	Speech Diaphragms		O2 Feed Line Loose at Quick Disconnect
	Lens / Anti-Fog Insert		Missing Large O-ring
	Magnetic Wiper		Hose Adapter O-ring Installed wrong

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