

SLAM DUNK R.I.S.- Quick Setup Guide



**For Models 131-2030/1, SD7.0.4
P/N 131-8800 Rev. 1A Mar 10, 2008**

NOTE: This Tester is equipped with a cord that has a grounding plug and must be plugged into an outlet that is properly grounded.

WARNING-Do not attempt to disassemble or open the Slam Dunk- Risk of Electric Shock. There are no user replaceable parts inside.

NOTE: Consult factory before permitting petroleum distillates to contact sensor.

WARNING: Do not exceed maximum air pressure of 100 psi in tester.

IMPORTANT Refer to the supplied Slam Dunk User Manual before piping a unit that is ordered without a quick disconnect air fitting on the rear of the SLAM DUNK..

Testing Modes

The Slam Dunk can operate in either of two test modes. This is usually determined by test specifications.

PRESSURE DECAY- Measures pounds per square inch (psi) of pressure loss over time period.

LEAK RATE- Measures calculated loss in standard cubic centimeters per minute (sccm).

QUICK SET UP You must provide the following:

- 115v. AC 50/60Hz grounded outlet within 5 feet of location of use.
- Coarse pressure regulator and a precision regulator. A tamper proof regulator must be used if the optional electronic Air regulator is not ordered.
- .01 micron coalescing filter
- 5 micron filter
- Continuous clean, dry, regulated air supply.
- Vacuum regulator for vacuum applications

These items can be ordered as options from Stewart Ergonomics Inc.

Mount the valve assembly close to the Tester so the bypass hose can be connected between them.

NOTE: When testing above 40 psi. common urethane hose is sufficiently porous to make good parts fail. We use THV tubing, 1/8 inch ID x 1/4 inch OD up to 150 psi. We stock them for next day shipment.

Electronic Air Regulator Hookup: Air in>Coarse filter>mechanical air regulator>fine filter> electronic air regulator>valve stack.

NOTE: On optional electronic air regulator, with cable connector pointing up, the air output is on top and the air input is on the bottom.

Non-Electronic Air Regulator Hookup: Air in>Coarse filter>mechanical air regulator>fine filter> valve stack.

Pressurize and depressurize valves supplied with pressure only tester. An additional Vacuum valve is supplied with pressure/vacuum testers.

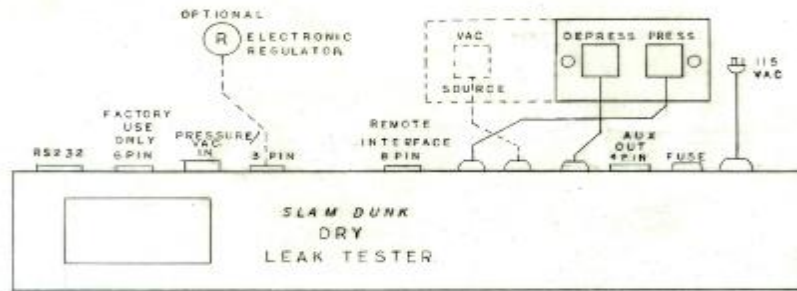
For vacuum testing connect vacuum source through a vacuum regulator to input of vacuum valve.

Note: It may be more convenient when testing below – 13 psi to pipe an air regulator to the vacuum solenoid then run the output through a vacuum generator connected to the part under test.

When testing pressure applications, quick disconnect vacuum connection to Slam Dunk must be disconnected.

When testing vacuum, quick disconnect pressure connection must be disconnected.

Failure to do so will result in invalid testing.



Electrical Connections:

Initial Checks

For pressure application check that coarse regulator is set to minimum before applying air.

If optional electronic air regulator is not installed, set coarse regulator for testing pressure of part. If optional electronic air regulator is installed, set coarse regulator 15% more than maximum output pressure of fine electronic regulator.

Check that there are no air leaks.

For vacuum application set vacuum regulator for testing level of part .

A.C. Power

Check that leak tester power switch is OFF. Connect power plug to source of 115VAC.

Note – Tester power must be off for at least 10 seconds before power is turned back on.

Turn Power Switch to ON. Display is lit – wait 15 seconds for unit to complete cycling.

Adjustable Parameters

To access R.I.S.Quick Setup mode press SETUP switch once, then all parameters can be accessed if required after these parameters are entered. All Quick Setup parameters are preceded by (*). Parameters are applicable to Pressure Decay (PD) and or Leak Rate (LR) mode. Pressure Decay is default setting.

1. *Press/Vacuum: (PD,LR) Always set to (P) pressure on pressure only unit
 2. *P.S.I. Set: (PD,LR) This is the p.s.i. level at which the part under test will be pressurized
 3. *Good Limit: (PD) This is the differential in thousandths of a p.s.i. for the low limit for a good test.
 4. *Test Time: (PD,LR) This is the compare time duration of a test from end of snapshot to end of test
 5. *Snapshot: (PD,LR) Settle time after pressurizing before calculating the differential and start test.
- Items 1, 2, 3, 4 are usually determined by customer test spec. 5 is set to chart in SD User Manual.

You are now ready to Test in Pressure Decay mode.

All remaining parameters are accessible after cycling thru the R.I.S parameters. Detailed information is contained in the supplied Slam Dunk User Manual.

Diff. Step, Reject Rate, Minutes/Seconds/Tenths, Comm, Options, Next Test, Low Air Time, Depress Time, Slam Test Time, Slam Differential, Min. Fill Time, Operator Password, Snapshot Minpsi Ck, Start Snapshot, Upper Fill Ck, Orifice Size, Recover Delay, Post Fill Delay, LR Display Dec Digits.

Please refer to the supplied Slam Dunk User Manual for all additional information.

Limited Warranty information is contained in the supplied Slam Dunk User Manual.

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