

T E C H N I C A L B U L L E T I N

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ADAM[®] FUNCTION BUTTONS & GAUGE LINE TORQUE PROCEDURE

Products Affected: ADAM[®] Part Numbers 962427, 962428, and 962433.

ADAM[®] Function Buttons:

Survivair has received reports of the yellow backlight button on ADAM[®] digital gauges becoming dislodged, interfering with the backlight function. This Technical Bulletin provides the procedures and information necessary to repair or replace this button. These same procedures can also be used to repair or replace the orange battery check button.

WARNING

Removal the SCBA from service and vent all air from the system prior to working on the ADAM[®]. The ADAM[®] module does not need to be removed from the gauge line to perform this procedure.

1. Using a small flat blade screwdriver, unscrew the backlight retaining ring, part number 962481, from the ADAM[®] housing.
2. Remove the yellow backlight button, part number 962482.
3. Inspect the yellow backlight button for damage.
4. Inspect the ADAM[®] housing in the area of the backlight button for damage.
5. Re-install the yellow backlight button into the ADAM[®] housing.
6. Replace the backlight retaining ring using a small flat blade screwdriver. Do not over tighten the retaining ring.
7. To test the ADAM[®], pressurize the SCBA and allow the ADAM[®] to complete its self test function. Press the yellow backlight button, the backlight feature of the ADAM[®] must activate easily. If the ADAM[®] fails to function properly or the backlight feature is difficult to activate, contact Survivair Customer Service to return the unit to Survivair for repair.

ADAM[®] Gauge Line Torque Procedure:

Survivair has received reports of the ADAM[®] digital gauge being damaged during installation onto the gauge line. This Technical Bulletin provides the procedures and information necessary to properly install the ADAM[®] onto the gauge line.

WARNING

Remove the SCBA from service and vent all air from the system prior to working on the ADAM®.

Battery installation instructions, if required:

1. Remove the ADAM® and the 9-volt battery from its packaging if necessary.
2. Flip open the silicone battery hatch cover on the back of ADAM®.
3. Unscrew the two battery compartment screws with a standard flat blade screwdriver and remove the plastic battery hatch cover.

CAUTION

**The battery terminals will only fit in one direction. Refer to the battery orientation label in the bottom of the battery compartment for proper installation.
DO NOT FORCE THE BATTERY INTO BATTERY COMPARTMENT.**

4. Place the 9-volt battery into the battery compartment.

CAUTION

Over-tight battery screws may warp the plastic cover and could cause premature failure of this device.

5. Reinstall the battery hatch cover and tighten the screws. DO NOT OVER-TORQUE.
6. Flip the silicone cover back over the battery compartment and align the edge of the cover underneath the ADAM® boot. Ensure the cover is secure.

ADAM® installation and gauge line torque procedure:

1. Inspect and lubricate the air spool o-rings with Christolube. Replace o-rings if necessary.
2. Insert the air spool into the ADAM® hose fitting.

CAUTION

Do not allow Loctite 242 to come in contact with the o-rings.

3. Cover half the threads of the ADAM® hose fitting with a small drop of Loctite 242.
4. Connect the hose nut swivel fitting to the ADAM® hose fitting.

CAUTION

Do not over-torque the hose fitting. Damage to the ADAM® housing, hose fitting, or pressure transducer could result. Insure that the ADAM® is held by the wrench flats while torque is being applied.

5. Using 9/16" and 11/16" wrenches, torque the swivel fitting nut to 40 +/- 5 in-lb.
6. Leak test the connection using a liquid leak detector, such as soapy water, prior to returning the unit to service.
7. Re-install the gauge line onto the SCBA backpack if necessary.

For functional testing procedures refer to the ADAM® Operation Instructions supplied with the SCBA or contact Survivair Customer Service for a copy of the instructions.