

**BREATH ALCOHOL EQUIPMENT  
REPAIR AND MAINTENANCE**

Instrument: 8000 Serial Number: 80-004937 Location: TOXL

1. Instrument repairs/maintenance performed:

STATED WHEN BROUGHT IN, "POSSIBLE DSP ERROR?" "FAIL". THERMAL  
PAPER PRINTOUT INDICATES POWER LOSS & BATTERY DRAIN. TESTED BATTERY.  
NEEDS REPLACING. REPLACED BATTERY.

4 GOOD DIAGNOSTIC TESTS IN A ROW. THEN 2 DIAGNOSTIC FAILS  
FOR DSP TEST.

INSTRUMENT WILL BE REMOVED FROM SERVICE.

2. Does the instrument require further testing?  
If Yes, continue.  
If No, sign and date below.

Yes or No

RESET

3. If needed, set the time, date, and location.

TIME & LOCATION

4. Does the flow need to be calibrated?  
If Yes, attach paperwork.

Yes or No

5. Does the optical bench need to be calibrated?  
If Yes, attach test records.

Yes or No

6. Does the gas regulator need to be calibrated?

Yes or No

PSI gauge reading 952 PSI display reading 950

Set instrument to Wet Bath and run tests:

7. Low AC. Use  $< 0.03$  AC in ACA mode. Attach test record. \_\_\_\_\_

Sim SN: \_\_\_\_\_ Lot #: \_\_\_\_\_ AC: \_\_\_\_\_

8. Linearity Test. Use  $\geq 0.25$  AC in ACA mode. Attach test record. \_\_\_\_\_

Sim SN: \_\_\_\_\_ Lot #: \_\_\_\_\_ AC: \_\_\_\_\_

Set instrument to Gas and run tests:

9. Print test. Attach test record. \_\_\_\_\_

10. Interferent Check. Use a 0.10 AC ethanol plus 0.05% acetone in ABA mode.  
Attach test record. \_\_\_\_\_

Sim SN: \_\_\_\_\_ Lot #: \_\_\_\_\_ AC: \_\_\_\_\_

11. RFI Check. Run in CMS mode. Key radio during any room air or subject test.  
Attach test record. \_\_\_\_\_

12. Calibration Check. Use a valid 0.080 AC Ethanol Gas Standard. Run three  
calibration sets in ACA mode. Attach test records. \_\_\_\_\_

Lot No. \_\_\_\_\_ Cylinder No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Test 1 \_\_\_\_\_

Test 1 \_\_\_\_\_

Test 1 \_\_\_\_\_

Test 2 \_\_\_\_\_

Test 2 \_\_\_\_\_

Test 2 \_\_\_\_\_

Test 3 \_\_\_\_\_


Test 3 \_\_\_\_\_

Test 3 \_\_\_\_\_

Average \_\_\_\_\_

  
Field Inspector's Signature

20 Dec, 2016  
Date

  
Reviewed by

20 Dec 16  
Date