



SUN ELECTRIC CORPORATION

Model: MCS-4000-7-3

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Field Installation Instructions

**INSTALLATION MUST BE PERFORMED
BY
QUALIFIED SUN PERSONNEL ONLY**

INSTALLATION OVERVIEW:

The Installation Procedures listed are for the SUN MCS-4000. The unit is shipped as a fully assembled unit, with the exception of the items as listed in the Parts List.

PARTS LIST:

PART NUMBER	DESCRIPTION	QTY	PART NUMBER	DESCRIPTION	QTY
0119-0358-01	Literature Kit	1	0692-1834-01	SEL 1403C Form	1
0301-0944-01	Filter Element 75 Micron	1	0692-2054-01	Operators Manual	1
0301-0945-01	Filter Element 8 Micron	1	0692-2229-01	Installation Instructions	1
0403-1341-06	Screw #6-32 x 3/8"	2	0693-1420	Manual Binder	1
0507-0025-01	Probe Assembly	1	0787-0035	Cap	1
0552-0082-01	DOS Software Ver. 5.0	1	3988-0255-01	Hose Exhaust Assembly	1
0552-0089-01	Mouse, 3 Button	1	6002-0346	Lead Assembly	1
0552-0948-01	Disk Caddy, CD-ROM	1	6002-0349	Jumper Lead Assembly	1
0552-0959-01	Document Binder	1	6006-0003-02	Vacuum Hose Assm.	1
0552-0996X01	Diskette, VIP 1 of 2	1	7009-1869-01	Exhaust Probe Assm.	1
0552-0996X02	Diskette, VIP 2 of 2	1	7009-1921-03	Remote Control Assm.	1
0647-0170	Tee Connector, Hose	1	7012-1523-01	Timing Light Bracket	1
0669-0623	Hose 1/8 x 5/16x 6"	1	7014-1183-01	O ₂ Block Cover	1
0669-0733	Hose 3/16 x 5/16x 6"	1	7019-0065-17	Rubber Mat	1
0669-0734	Hose 1/4 x 7/16x 6"	1	7049-0004-01	O ₂ Sensor	1

NOTE: REVIEW THE INSTALLATION INSTRUCTIONS FOR ANY ADDITIONAL OPTIONS BEFORE PROCEEDING. IF THEY REQUIRE REMOVAL OF THE KEYBOARD OR CABLE,

REQUIRED TOOLS: _____

- COMPLETE TOOL KIT
- ANTI-STATIC KIT

INSTALLATION INSTRUCTIONS: _____

NOTE: USE STANDARD ANTI-STATIC PROCEDURES WHILE PERFORMING THIS PROCEDURE.

1. Unbox tester and examine the tester for damage. Note any damage on the Questionnaire.
2. Remove the O₂ sensor (7049-0004-01) from the bag and install it into the sensor block on the rear of the 4 gas analyzer.
3. Plug the three pin connector into the O₂ sensor,
4. Install the O₂ sensor block cover with the two screws provided.
5. Install the mouse to the serial port "B" (**Com2:**) on the rear of the machine.
6. Plug in the Remote Control Unit to the REMOTE connector on the rear of the machine.
7. Connect the Exhaust probe to the Exhaust Sample Hose and connect the assembly to the filter assembly of the Exhaust analyzer.
8. Install the Timing Light Bracket (7012-1523-01) on the boom.
9. Place the Rubber Mat on the front lip of the stand.
10. Place the remainder of the accessories in the storage drawer.
11. Install any other kits in the machine following the instructions included with those kits.
12. Place the Operators Manual in the binder and give the completed manual and DOS 5.0 software to the customer. The customer must keep the DOS always available to the unit for future service needs and legal requirements.
13. DOS 5.0 should be installed already. To install MCS-4000 software insert the VIP VERSION X.X SOFTWARE INSTALLATION Disk in drive **A:**. Type **A: INSTALL** and press <ENTER> from the DOS **C:>** prompt to load the software to the tester. If the tester has a CD-ROM installed make sure you answer the CD-ROM question during the install with a YES or the CD-ROM drivers will not be installed.
14. Complete and return the Quality Questionnaire (SEL **1403L**) to Crystal Lake Quality Control.

*NOTE: THE TESTER IS EQUIPPED WITH THE 4 GAS SECTION, SEE THE EMISSIONS CHAPTER OF THE **MCS-4000** SERVICE MANUAL FOR CALIBRATION AND CHECKOUT.*

* INSTALLATION COMPLETE ●
