SUN ELECTRIC CORPORATION

Installation Instructions

INSTALLATION MUST BE PERFORMED
BY
QUALIFIED SUN PERSONNEL ONLY

INSTALLATION OVERVIEW:

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

PARTS & ACCESSORIES LIST FOR:

PART NUMBER	DESCRIPTION	QTY	PART NUMBER	DESCRIPTION	QTY
0119-0374-01	Literature Kit	1	0692-1834-01	SEL 1403C Form	1
0301-0944-01	Filter Element 75 Micron	1	0692-2323-01	Operators Manual	1
0301-0945-01	Filter Element 8 Micron	1	0692-2328-01	Installation Instructions	1
0403-1341-06	Screw #6-32 x 318"	2	0692-2261-01	Vehicle Code Index, '94	1
0507-0025-01	Probe Assembly	1	0693-1420	Manual Binder	1
0552-0082-01	DOS Software Ver. 5.0	1	0787-0035	Cap	1
0552-0089-01	Mouse, 3 Button	1	3988-0255-01	Hose Exhaust Assembly	1
0552-0948-01	Disk Caddy, CD-ROM	1	6002-0346	Lead Assembly	1
0552-0959-01	Document Booklet	1	6002-0349	Jumper Lead Assembly	1
0552-0996X01	Diskette, VIP 1 of 2	1	6006-0003-02	Vacuum Hose Assy.	1
0552-0996X02	Diskette, VIP 2 of 2	1	7009-1869-01	Exhaust Probe Assy.	1
0552-3002G05	Diskette, '94 L/D	1	7009-1921-03	Remote Control Assy.	1
0528-0094	Paper	1	7012-1523-01	Timing Light Bracket	1
0647-0170	Tee Connector, Hose	1	7014-1183-01	O_2 Block Cover	1
0669-0623	Hose 1/8 x 5/16x 6"	1	7019-0065-17	Rubber Mat	1
0669-0733	Hose 3/16 x 5/16x 6"	1	7049-0004-01	O_2 Sensor	1
0669-0734	Hose 1/4 x 7/16x 6"	1			

REQUIRED TOOLS:

● COMPLETE TOOL KIT
● ANTI-STATIC KIT

INSTALLATION INSTRUCTIONS:

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

⚠ **WARNING!**

*USE STANDARD ANTI-STATIC PROCEDURES
WHILE PERFORMING THESE INSTALLATION INSTRUCTIONS*

1. Unbox tester and examine the tester for damage. Note any damage on the Questionnaire.

2. Remove the O_2 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 O_2 sensor.

4. Install the O_2 sensor block cover (7014-1183-01) with the two screws provided (0403-1341-01).

5. Install the Mouse (0552-0089-01) to the Serial Port **"B"** COM2: on the rear of the machine.

6. Plug in the Remote Control Unit (7009-1921-03)to the REMOTE connector on the rear of the machine.

7. Connect the Exhaust Probe (0507-0025-01) to the Exhaust Sample Hose (3988-0255-01) and connect the assembly to the Filter Assembly of the Exhaust Analyzer.

8. Install the Timing Light Bracket (7012-1 523-01) on the boom.

9. Place the Rubber Mat (701 9-0065-1 7) 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 (0692-2054-01) in the Binder (0693-1420) and give the completed manual and DOS 5.0 software (0552-0082-01) 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 **1403C** (0692-1834-01) 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.*

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*INSTALLATION  COMPLETE*
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