

EQUIPMENT SERVICE ON SITE

EquiServ®



Providing Factory Service For
Automotive Service Equipment

Model: EEOS111APR
SUN MACHINE 400 Pep Boys
UNIT SET UP

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Installation Instructions

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

INSTALLATION OVERVIEW: _____

The Installation Instructions listed are for the Pep Boys SUN MACHINE 400. The unit is shipped as a fully assembled unit with the exception of the monitor and the items listed in the PARTS & ACCESSORIES LIST. The Pep Boys Sun Machine 400 operating software is loaded at the factory. We will verify that the Unit is operating properly.

PARTS & ACCESSORIES LIST: _____

PART NUMBER	DESCRIPTION	QTY
0002-0133-15	Test Lead Assembly	1
3-0216	Pep Boys CD	1
3-03126	Install Upgrade Floppy	1
0301-0944-01	Filter Element,75 Micron	1
0301-0945-01	Filter Element,8 Micron	1
0507-0025-01	Anti-Dilution Probe	1
0528-1088-01	Paper, Printer (LED Printer)	1
0552-0043	Adapter, Thexton Gm/Ford Coil Terminal	1
0552-0044	Adapter, Thexton GM HEI External	1
0552-0045	Adapter, Thexton GM Micro-Pak	1
0552-0089-01	Mouse, 3 Button White	1
0552-0103-01	Pad, Mouse	1
0552-0120-01	Adapter, Thexton Chry/Jeep/Eagle	1
0647-0170	Tee, Vacuum	1
0669-0220	Hose, Poly, 1/4 Id	24"
0669-0623	Hose, Vacuum 1/8	1
0669-0733	Hose, Vacuum 3/16	1
0669-0734	Hose, Vacuum 1/4	1
0672-0035-01	Test Clip	1
0682-1049-01	Labels, Stickers	4
0692-1617	Instructions, Isuzu/Honda	1
0692-1834-01	Quality Control Questionnaire SEL 1403C	1
0692-1928-01	Product Registration Form	1
0692-2291-01	Warranty Registration Form	1
0787-0035	Cap	1
1747-0101	Test Adapter Assembly, Pat Pickup Secondary	1
1747-0102	Test Adapter Assembly, HEI Pickup Secondary	1
1747-0103	Test Adapter Assembly, Toyota Secondary	1

PART NUMBER	DESCRIPTION	QTY
1747-0105	Test Adapter Assembly, Isuzu/Honda Secondary	1
1-7726	Screw, TF, 10-32 x 1/2" LG.	4
2161-0023	Hangers	4
3988-0255-01	Test Assembly, Exhaust Hose 3/16"	1
4100-5016-01	Screw, Shoulder, 5/16-18 x 3/8" LG.	3
5-2745	Strap, Velcro w/Ring	1
6002-0346	Test Lead Assembly	1
6002-0349	Test Lead Assembly, ALDL Jumper	1
6002-0355	Adapter, Isuzu/Honda Primary	1
6004-0544-02	Test Lead Assembly, Pattern Dual HD	2
6004-0763-02	Test Lead Assembly, Pattern Conventional	1
6004-0775-02	Cable, Secondary "Y" Adapter	1
6004-0819-01	Adapter, Universal Pattern Pickup	1
6005-0182-02	Test Lead Assembly, Universal	1
6006-0003-03	Hose, Vacuum Source	1
7009-1869-01	Test Assembly, Exhaust Probe Assembly	1
7009-2325-02	Test Lead Assembly, Trigger Pickup	1
7049-0004-01	Oxygen Sensor	1
EAE0026L10A	Printer	1
EAK0116L01AB	Software Kit, PEP Boys	1
EAW0058C00A	Test Lead Assembly, Volt/Ohm Pinpoint	1
EAX0075C00AF	Test Lead Assembly, Auxiliary Extension Leads	1
EERC102A	Remote Control	1
EETL501A	Timing Light	1
MT2597-PEP	Scanner w/Scan Gra-Fix	1
MT3000-400B	Probe, Vacuum	1
MT3000-410A	Probe, High Amps	1
MT3000A440	Probe, Low Amps	1
SS1495	POP (Point of Purchase) Kit	1
TEEOS111APR	Installation Instructions	1
ZEE0S111A	Operators Manual	1

REQUIRED TOOLS: _____

- Complete Tool Kit

INSTALLATION INSTRUCTIONS: _____

NOTE: Steps 1 through 8 will require two or more people.

1. Cut and remove the straps. Remove the top of the shipping carton.
2. Remove the carton by sliding the carton over top of the unit.
3. Locate the Pep Boys Sun Machine 400 Operating Software Package. The software could be located on the outside of the carton or on the inside if there is a slot in the shipping carton. Remove the software package and set aside.
4. Remove unit-packing material from around the sides of the unit.
5. Carefully slide the unit and foam base partially off of the shipping pallet.
6. Lean the Sun Machine 400 so that the shipping pallet and half of the foam base can be removed.
7. Lean the Sun Machine 400 so that other half of the foam base can be removed.
8. Remove tape from ALL drawers and covers.
9. Remove bubble wrap from Keyboard, located in the keyboard drawer.
10. Inventory all items using the Parts & Accessories List and inspect for damage. The Unit Accessories are located in the bottom drawer of the unit. The Literature Kit is also located in the bottom drawer of the unit.

NOTE: Any software or hardware owners' manuals and pre-loaded software that come with the computer, such as Microsoft Windows® 95, are located in the bottom drawer of the unit.

NOTE: Any REGISTRATION CARDS for the installed software such as Microsoft Windows® 95 must be filled out and sent in by the customer to ensure compliance with any software licensing agreements.

11. Locate the four hangers (2161-0023) and the four 10-32 x 1/2" Hex Screws (1-7726). Attach the two hangers to the left side and two to the right side of the unit using the hex screws.
12. The monitor is shipped separately from the unit. Locate the monitor box.
13. Remove the monitor from the box and inspect the monitor for damage. Discard the A.C. Cable supplied with the monitor.
14. Remove the swivel base and the rear plastic protector from the monitor and discard. Refer to figure 1, below;

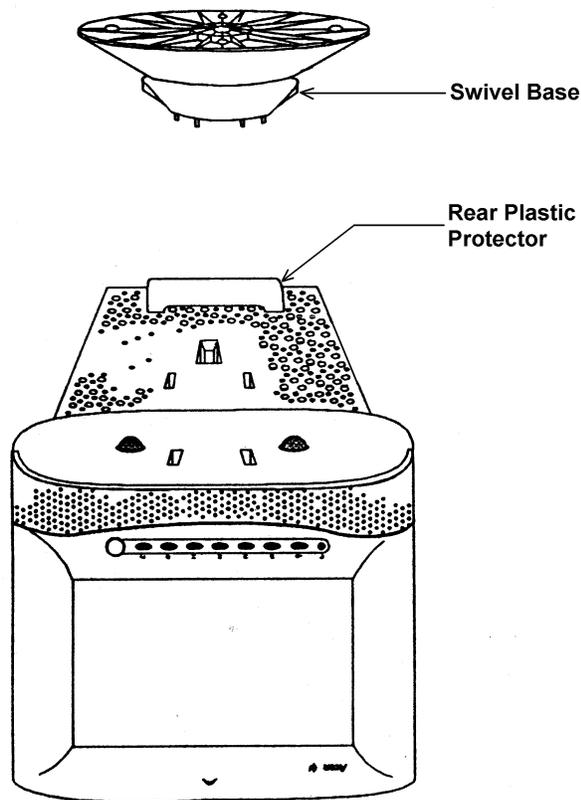


Figure 1. Monitor Bottom View

15. Place the monitor into the monitor plate and check for proper fit. Once satisfied with the fit, peel off the adhesive backing of the pre installed Velcro on the monitor plate, and place the monitor onto the plate.
16. Fasten the Velcro straps over the top of the monitor.
17. Use the A.C. Cable found attached to the unit to connect power for the monitor. Connect the data cable from the monitor to the connector plate on the left rear side of the unit.
18. Locate the Mouse and install the Mouse cable end to the COM 2 connector, of the connector plate on the left rear side of the unit.
19. Locate the printer paper (0528-1088-01). Load paper for the printer.

20. Connect all Test Leads to the respective connectors located on the boom of the Sun Machine 400. Store any unused leads and accessories in the lower storage drawer.
21. Open the back panel of the unit.
22. Remove the stop bolt on the boom tube. Slide the boom up approximately 7 to 8 inches; reinstall the stop bolt in the new hole that is 7 to 8 inches lower on the boom than the hole from which the stop bolt was just removed.
23. Locate the 3 shoulder screws 5/16-18 x 3/8" LG (4100-5016-01). Install the screws on the bottom of the boom journal, there are three holes pre-threaded for these bolts. The heads of the screws go on the inside of the journal tube.
24. Close the back panel of the unit.
25. Power up the analyzer.
26. The analyzer will boot into the Windows 95 user information wizard. If necessary, edit the name and company, then choose **<NEXT>**.
27. The end user (customer) must select, **I accept the agreement**, in the License Agreement window, then select **<NEXT>**.
28. The Certificate of Authenticity window will be displayed now. Enter the Product ID in this Window. The **ID number** can be found on the **Introducing Microsoft Windows 95** book. After entering the ID number select **<NEXT>**.
29. **Start Wizard** window is now displayed, select **Finish**.
30. The analyzer will boot to the PepBoys application.
31. Select, **Continue** in the **Disconnect Multimeter Leads and short together** Window.
32. Select **Continue** in the **System Status** window.
33. In the **PEP BOYS** window, select **Exit**.
34. Select, **Yes** in the **System Message** window.
35. Select, **Safe Shut Down** on the **ToolBar**, far right Monitor Icon.
36. Select, **Yes** in the **Shutdown** window.
37. When prompted "**It's now safe to turn off your computer**", press the **reset** button on the computers front panel.
38. While the computer is rebooting watch for the **PEPBOYS** logo to appear. Windows® 95 desktop will appear and disappear; just when it disappears, hold down **Shift** and **P**.
39. Enter the PepBoys password to exit to Windows® 95, (the same as the password to exit to DOS), then select **OK**.
40. Place the mouse over the clock in the lower right of the monitor and press the right mouse button
41. Select **Adjust Date/Time** on the pop-up menu.
42. Select your time zone, set the date and time, then select **Apply** then **OK**.
43. Select the **Start** button on the Task Bar.
44. Select **Shut Down, Restart the Computer** and then **Yes**.
45. Do a complete operational checkout of the unit.

NOTE: This tester is equipped with a 4-gas analyzer: see the Emissions Chapter of the Sun Machine Service Manual for the calibration and checkout.

INSTALLATION COMPLETE