

EQUIPMENT SERVICE ON SITE

EquiServ™



Providing Factory Service For
Automotive Service Equipment

Model: MGA-9000-CO
GAS CAP TESTER

Page: 1 of 4

Installation Instructions

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

INSTALLATION OVERVIEW: _____

Per the State of Colorado, a Gas Cap Tester must be installed in all MGA-9000-CO units by January 1st, 1998. Below are the necessary hardware components needed to install the gas cap tester to the host computer.

PARTS & ACCESSORIES: _____

PART NUMBER	DESCRIPTION	QTY
5-2645	Tie, Locking Clamp	1
EAA0145C00A	Tester, Gas Cap (with accessories)	1
EAW0166L00A	Cable, Adapter	1
EAW0166L01A	Cable, Interface	1
EAW0186L00A	Harness, Internal	1

REQUIRED TOOLS: _____

- Service Tool Box
- Service Key (215)
- State Software (Support for the Gas Cap Tester)

INSTALLATION INSTRUCTIONS FOR HARDWARE: _____

1. Turn unit on and verify that there are no system faults present. If faults are present, correct the problem(s) before installation.
2. Turn unit off, and unplug from AC outlet. Unlock the computer drawer to gain access.
3. Remove the cover plate and screws from the "VEHICLE COMPUTER" port. Discard plate.

4. Install the Internal Harness (EAW0186L00A) to the Vehicle Computer port on the back of unit. Secure using the screws removed in step 3.

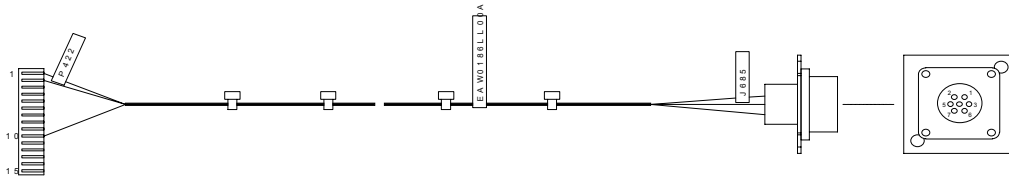


Figure 1 EAW0186L00A Harness

5. Connect other end of the harness (P422) to the System Interface Board connector P422.

NOTE: If an existing harness is installed on the System Interface Board (P422) remove that harness and secure away with tie wraps to other harnesses.

6. Close the drawer and lock.
7. Connect the Auxiliary Panel connector from the Interface Cable (EAW0166L01A) to the Vehicle Computer Port on the back of unit.

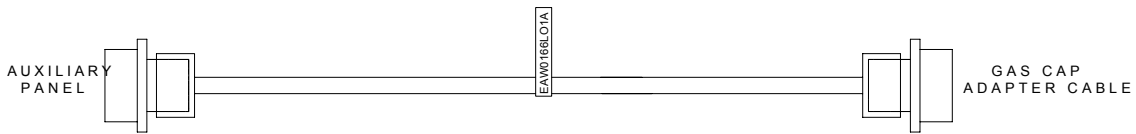


Figure 2 EAW0166L01A Interface Cable

8. Connect the Gas Cap Interface Cable connector from the Adapter Cable (EAW0166L00A) to the other end of the Interface Cable.

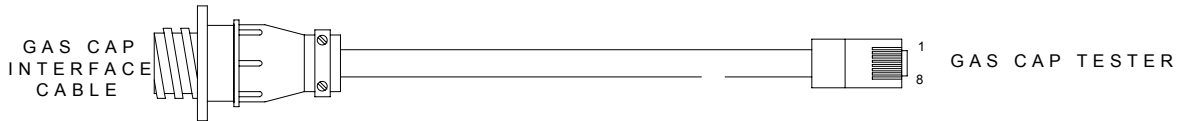


Figure 3 EAW0166L00A Adapter Cable

9. Connect the RJ45 end of the Adapter Cable (EAW0166L00A) to the RJ45 connector on the Gas Cap Tester.
10. Measure back two inches on the end of the Adapter Cable just connected. Attach the Cable Clamp (5-2645) at this point on the cable.
11. Secure the Adapter Cable to the Gas Cap Tester using the Locking Clamp Tie (5-2645).

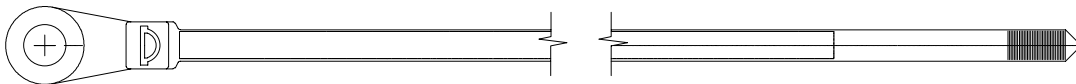


Figure 4 5-2645 Locking Clamp Tie

12. Remove the screw in the bottom left hand corner of the control panel on the Gas Cap Tester. Using the Screw just removed, attach and secure the cable clamp to the Gas Cap Tester.

INSTALLATION INSTRUCTIONS FOR SOFTWARE: _____

1. Plug the unit into a 115VAC outlet and turn on main power.
2. Gain access to the service page. Clear the computer tamper.
3. Perform an Emergency Software Update to install the state software update to support the Gas Cap Features. Wait for unit to reboot.
4. After unit reboots, gain access to the service page. Refer to the SERVICE MENU SCREEN below.

VERSION: X.XX	11-01-97	12:01 PM	MODE: SERVICE
SERVICE MENU			
<p>1 Manual Calibration</p> <p>2 System Fault Codes</p> <p>3 Device Setup</p> <p>4 Bench Status</p> <p>5 Display PEF Value</p> <p>5 State Audit Functions</p> <p>7 MGA Diagnostic Mode</p> <p>8 Service contract expiration</p> <p>9 Change Configuration</p>			
<p>(C) COPYRIGHT 1989-1995 SUN ELECTRIC CORPORATION</p>			
<p>Select Menu Item or Press CONTINUE for NEXT PAGE</p>			
F1-HELP F2-CLR		F10-CONT	F12-STATUS

SERVICE MENU SCREEN

5. Select (9) Change configuration.

VERSION: X.XX	11-01-97	12:01 PM	MODE: SERVICE
STATION INFORMATION			
USE OBD II EQUIPMENT: Y			
ADVISORY FOR OBD II CODES: Y			
USE AUTOMATED FUEL-CAP TESTER: <input checked="" type="checkbox"/> N			
ADVISORY FOR FUEL-CAP FAILURE: Y		Do you want fuel cap testing to Be automated?	
2500RPM P/F CRITERIA FOR 1981: Y		(Y)es. (N)o.	
Use automated fuel-cap tester			
F2-CLR	F9-BACK UP	F12-STATUS	

STATION INFORMATION SCREEN

6. Referring to the STATION INFORMATION SCREEN above, press enter to advance through the questions. Change the "USE AUTOMATED FUEL-CAP TESTER" from (N) to (Y).
7. Press enter to advance through the rest of the questions to return to the menu.
8. Exit service mode.

INSTALLATION COMPLETE