



SUN ELECTRIC CORPORATION

Model: VIP 1-5 KIT, VIP 1-10 KIT  
For MCS 2500, MCS 4000,  
MGA 9000, and ETB  
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# Field Installation Instructions

INSTALLATION MUST BE PERFORMED BY QUALIFIED SUN SERVICE PERSONNEL ONLY

## INSTALLATION OVERVIEW:

This kit is for the installation of the VIP 1 for the **MCS-2500, MCS-4000, MGA-9000**, and the ETB. The kit includes all the parts necessary to correctly install VIP 1.

## PREREQUISITE:

- MCS-2500 must have a PC Interface kit #1091-0313-01 and Power Distribution kit #1091-0316-01.
- MCS-4000 must have a PC Interface kit #1 091-0235-01.
- MGA-9000 must have a PC interface kit #1 091-0235-02.
- ETB must have a PC Interface kit #AA-800.

## PARTS LIST:

PART NUMBER	DESCRIPTION	-5 QTY	-10 QTY
0552-0043	GM and FORD Coil Adapter	1	1
0552-0044	GM External Coil Adapter	1	1
0552-0045	GM Micro Pack Adapter	1	1
1747-0101	Pattern, Pickup, Chrome	1	1
1747-0102	HEI Pickup	1	1
6004-0462	Volt/Ohm Test Lead, Pink, 10ft		1
6004-0462-01	Volt/Ohm Test lead, Pink, 5ft	1	
6004-0544-01	Pattern, Dual, Assembly, Blue, 5ft	1	
6004-0544-02	Pattern, Dual, Assembly, Black, 10ft		1
6004-0763-01	Pattern Lead Conventional, Blue, 5ft	1	
6004-0763-02	Pattern Lead Conventional, Blue, 10ft		1
6004-0768-01	Cable Assembly, Pod	1	1
6005-0182-01	Universal Test Lead Assembly, 5ft	1	
6005-0182-02	Universal Test Lead Assembly, 10ft		1
7009-2376-01	VIP-1 Assembly	1	1
7009-2325-01	Trigger Pickup and Lead Assembly, Red, 5ft	1	
7009-2325-02	Trigger Pickup and Lead Assembly, red, 10ft		1
0692-2073-01	Installation Instructions	1	1
0692-1834-01	SEL 1403c, Questionnaire	1	1
0682-1034-01	LBL, Key Board	1	1

**REQUIRED TOOLS:** \_\_\_\_\_

COMPLETE SUN ISSUED TOOL KIT  
ANTI-STATIC KIT

**INSTALLATION INSTRUCTIONS:** \_\_\_\_\_

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

1. After performing the initial checkout and any necessary repairs, switch off the tester and disconnect it from the power source.
2. Connect the POD Cable Assembly (6004-0768-01) from the VIP-1 assembly connector to the VIP-1 connector on the back of the tester.  
  
*NOTE: Make sure both the beige seals are installed. If one is missing order PN 4162-0947.*
3. Connect the Trigger Pickup and Lead Assembly (7009-2325-\*\*) to the Trigger Pickup Lead connector on the VIP-1 assembly.
4. Connect the Universal Test Lead Assembly (6005-01 82-\*\*) to the Universal Test Lead Connector on the VIP-1 Assembly.
5. Connect the Volt/Ohm Test Lead Assembly (6004- 0462-\*\*) to the Volt/Ohm Connector on the VIP-1 Assembly.
6. Connect the Pattern Pickup (1747-01 01) to the Conventional Pattern Lead (6004-0763--).
7. Connect the Pattern Pickup Assembly from the previous step to the Pattern Pickup Connector on the VIP-1.
8. Place Adapter (0552-0043), Adapter (0552-0044), Adapter (0552-0045), HEI Pickup (1747-0102) and Dual Pattern Lead Assembly (6004-0544-\*\*) in the 'Storage Drawer.

\*\* The dash number of the leads depends on the dash number of the kit being installed. See the parts list on page one for dash numbers.

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\* **INSTALLATION COMPLETE** •  
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**CHECKOUT PROCEDURE:** \_\_\_\_\_

1. Connect tester to AC power and turn on.
2. Connect the VI P-1 to an IS-1 OOA and set it to 8 Cylinders, Delta KV on, and Ignition on.
3. Select 1. VIP **Engine Analyzer**.
4. Select **Continue**.
5. Select 1. ID, then 3. Vehicle Code.
6. Type 115, then select **Continue**.
7. Select 3. **Pin Point**, then 1. **Engine Data**.
8. Verify RPM, Dwell, KV, and **Battery** volts for proper operation.

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●CHECKOUT COMPLETE\*  
\*\*\*\* \*\*\*\*\*