



Model: VIP 2R-5 KIT, VIP 2R-10 KIT  
For MCS-2500, MCS-4000,  
MGA-9000, and ETB

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# Installation Instructions

**INSTALLATION MUST BE PERFORMED  
BY  
QUALIFIED SNAP-ON/SUN PERSONNEL ONLY**

## INSTALLATION OVERVIEW:

This kit is for the installation of the VI P-2 R-5 AND VI P-2 R-1 O for the MCS-2500, **MCS-4000**, MGA-9000, and the ETB. The kit includes all the parts necessary to correctly install the VIP-2R into the tester.

## PREREQUISITE:

All of these units require a VIP-I R-5 OR VIP-I R-10 kit first.

## PARTS & ACCESSORIES LIST FOR:

PART NUMBER	DESCRIPTION	-5 QTY	-10 QTY
0403-1211-04	Screw, 4-40 X 1/4	4	4
0647-0170	Tee	1	1
0669-0623	Hose, 1/8 X 5/16X6	1	1
0669-0733	Hose, 3/16 X 5/16X 6	1	1
0669-0734	Hose, 1/4 X 7/16X 6	1	1
0692-1834-01	Sel <b>1403c</b> , Questionnaire	1	1
0692-2316-01	Installation Instructions	1	<b>1</b>
6004-0407	Test Lead, Low Temperature 10ft		1
6004-0407-02	Test Lead, Low Temperature 5ft	1	-
6004-0813-01	Cable Assembly, Interconnection	<b>1</b>	<b>1</b>
6005-0171	Current Pick-Up 10ft		<b>1</b>
6005-0171-01	Current Pick-Up 5ft	1	-
6006-0003	Vacuum Hose 10ft		<b>1</b>
6006-0003-01	Vacuum Hose 5ft	1	
7009-1374-06	Timing Light Assembly 10ft		<b>1</b>
7009-1374-07	Timing Light Assembly 5ft	1	
7009-2334-01	Mag Probe, Test Lead 10ft		<b>1</b>
7009-2334-02	Mag Probe, Test Lead 5ft	<b>1</b>	
7009-2377-02	VIP 2R Assembly	<b>1</b>	<b>1</b>
7054-0056	Adapter, Ford <b>F1</b> Mag	<b>1</b>	<b>1</b>
7054-0057	Adapter, Early Chrysler CI Mag	<b>1</b>	<b>1</b>
7054-0060	Adapter, Ford F2 Mag	<b>1</b>	<b>1</b>
7054-0062	Adapter, Chrysler CI Mag	1	<b>1</b>

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

- COMPLETE SUN ISSUED TOOL KIT
- ANTI-STATIC KIT

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



1. After performing the initial checkout and any necessary repairs, switch off the tester and disconnect it from the power source.
2. Set the **VIP-2R** assembly (7009-2298-01) on top of the VI P-1 R and ensure that the four fasteners on the bottom of **VIP-2R** are fully seated in the four holes in the top of VIP-1 R.
3. Connect the ribbon cable (6004-081 3-01 ) between VI P-1 R and **VIP-2R** using the 4 screws (0403-121 1-04).
4. Connect the vacuum hose (6006-0003--) to the vacuum connector on the rear of **VIP-2R**.
5. Install the tee (0647-01 79) in the end of the vacuum hose.
6. Connect the current pickup (6005-01 71-\*\*) to the amp connector on the rear of VIP-2R.
7. Connect the low temperature test lead (6004-0407--) to the temp connector on the rear of **VIP-2R**.
8. Connect the timing light assembly (7009-1 374-\*\*) to the timing light connector on the rear of **VIP-2R**.
9. Place the remainder of the adapters, hoses, and test leads 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 it on.
2. Select #1 from the menu to select VIP Engine Analyzer.
3. From the "VIP SYSTEM" page, select "CONTINUE".
4. Select #6 **Utils**, then #7 Options.
5. Select the button for "VIP 2 Installed".
6. Select "CONTINUE".
7. Select #5 STATUS, then #1 CALIBRATION.
8. Verify that all VIP 2 parameters read green for calibrated.

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 \* CHECKOUT COMPLETE\*  
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