

PRT Tachometer

Installation and Operation Instructions

Siemens VDO

Allentown, Pennsylvania USA



THE INSTRUCTIONS FOR INSTALLATION AND ELECTRICAL WIRING FOR THESE TACHOMETERS FOLLOW. USE IS RESTRICTED TO 12 VOLT NEGATIVE GROUND ELECTRICAL SYSTEMS.

Parts List

Item	Description	Quantity
1.	Tachometer	1
2.	Decals, 2" x 4" (not contingency decals)	2
3.	Posi-Lock™ Connectors	3

Optional Items Which May Be Needed:

Flush In-Dash Mounting Bracket #240 104
 On-Dash Mounting Bracket #240 103

CAUTION: Read these instructions thoroughly before making installation. Always wear safety glasses, and always disconnect the battery ground before making any electrical connections. If in doubt, please contact your dealer or VDO Instruments at 1-800-265-1818.

Tachometer Installation

Installing the tachometer is a three-step process.

1. Cylinder Selection

Your PRT Tachometer is factory set for an eight cylinder engine. For other applications the selector switches must be set according to **Diagram A**.

- Remove the 4 cap nuts, lockwashers and rear cover.
- Find your application in **Diagram A** and set the switches accordingly.
- Replace the rear cover, lockwashers and cap nuts. **DO NOT OVERTIGHTEN!**

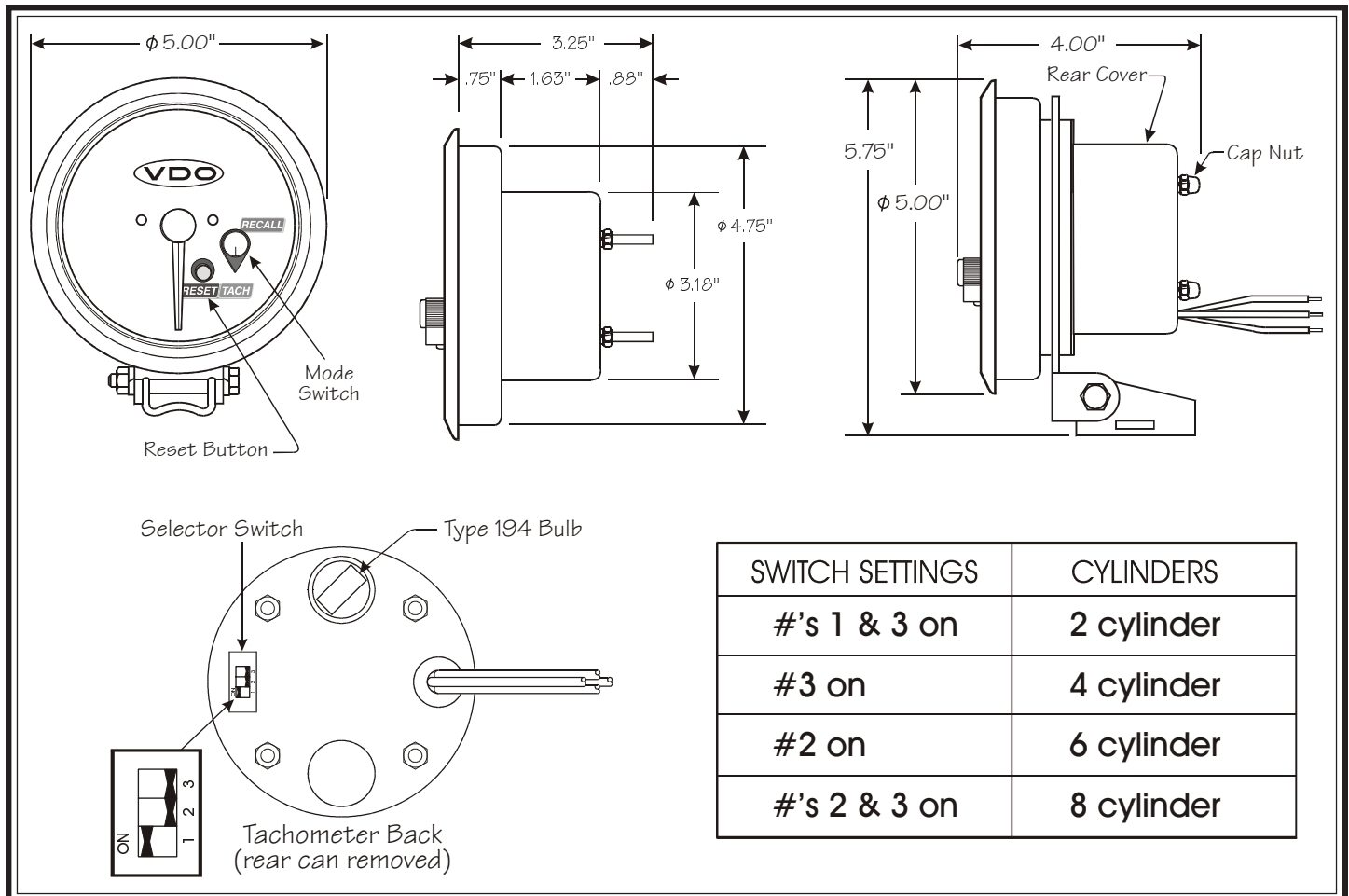


Diagram A

Dimensions and Selector Switch Settings

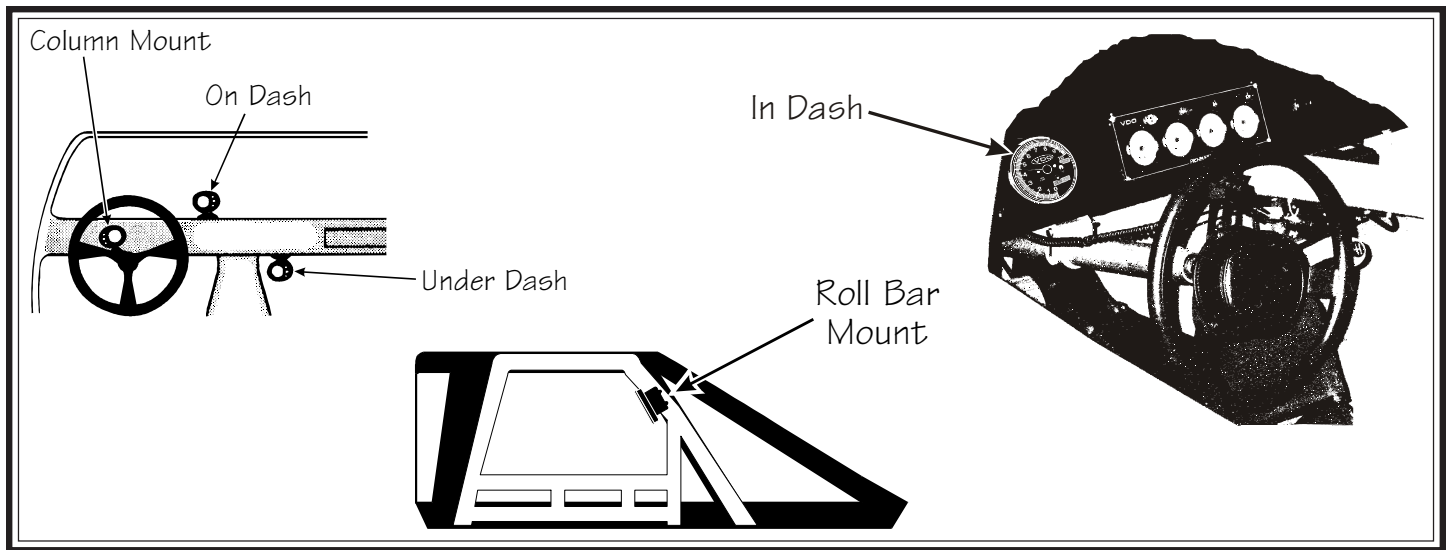


Diagram B

Possible mounting locations for the Extreme Tachometer

2. Mounting the Tachometer

Your PRT tachometer can be mounted almost anywhere. Several suggestions are illustrated in **Diagram B**. Some installation techniques may require optional accessories, cutting, or drilling new holes.

MOUNTING NOTES:

- The most common mounting location is on the steering column or roll cage using a band clamp and the included short mounting bracket.
- For mounting in the dash, optional flush mounting bracket [P/N 240 104] is recommended. The rear cover may also be used as a mounting clamp for in dash mounting.
- For mounting on top of the dash, optional longer mounting bracket [P/N 240 103] is recommended.

MOUNTING CAUTIONS:

- Make sure your PRT Tachometer does not rest against any glass, windshield A pillars, or any roll cage tubes.
- VDO does not recommend mounting your PRT Tachometer close to other electrical components or their associated wiring. For example, the ignition system box, the ignition coil, electric fuel pump, etc.

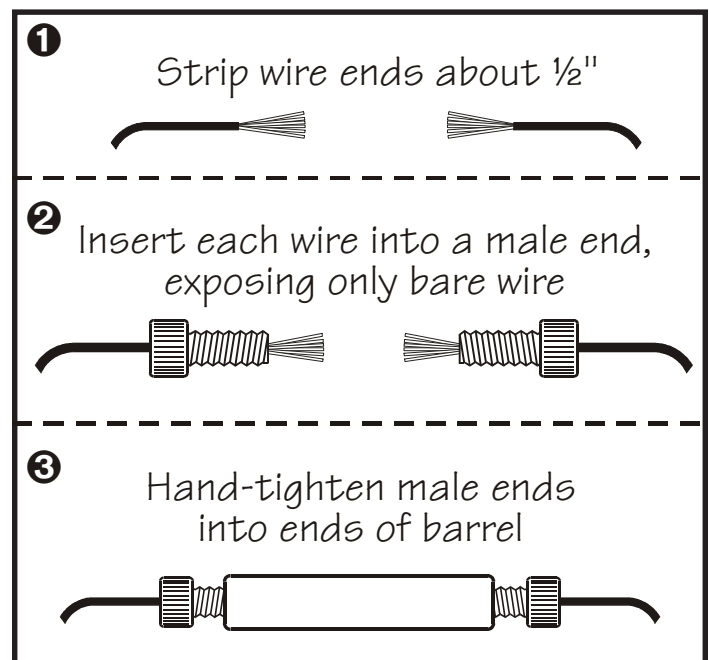
3. Wiring the Tachometer

- Turn off the ignition and disconnect the negative terminal from the battery post if you haven't already done so.
- Wire the tachometer to the vehicle as shown in **Diagram C** *.

* Refer to your vehicle's owner/service manual or the aftermarket ignition manufacturer's instructions for a recommended place to tap the signal. Typical examples are shown in the table to the right.

IGNITION	TYPE	CONNECTIONS
Standard	points/breakerless	negative terminal on coil
CD	points	points connection to CD box
	breakerless	positive terminal on coil
Electronic	MSD, ACCEL, MALLORY, DDIS (distributorless), etc.	Tach output terminal on ignition box, or points connection to ignition box, or negative coil

- Be sure to connect the tachometer using the supplied Posi-Lock™ Connectors. Use them as shown in the following illustration:



- Reconnect the battery and start your vehicle to test the installation.

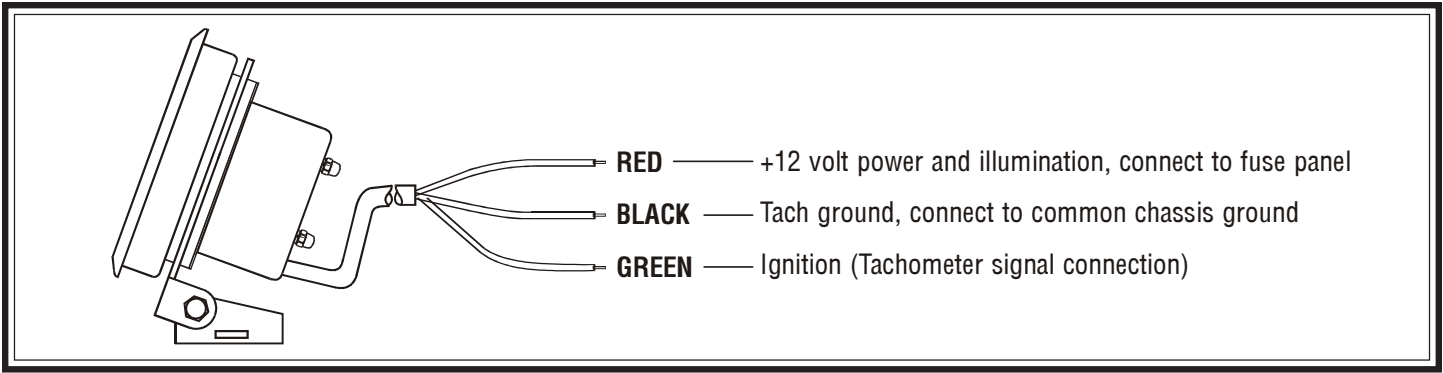
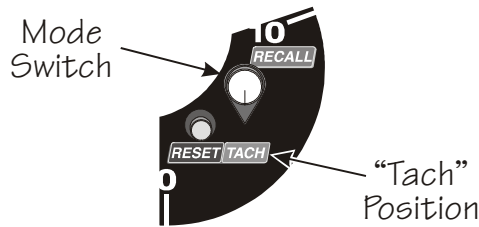


Diagram C
General Wiring Information

PRT Tachometer Operation

For normal operation and display of current engine speed, rotate the Mode Switch to the **TACH** position.



- The pointer will move to indicate the high RPM stored by the tachometer.
- Rotate the Mode Switch to the “**TACH**” position to return to normal tachometer operation.

2. Resetting the memory.

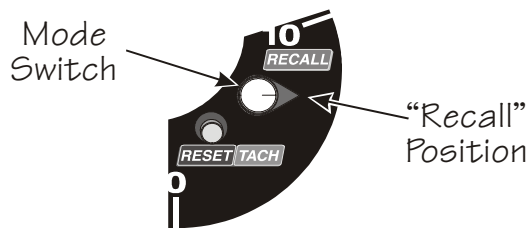
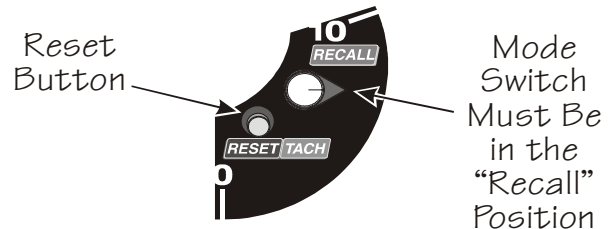
- Turn the ignition ON. The engine MAY be running.
- Rotate the Mode Switch to the “**RECALL**” position.
NOTE: The PRT memory cannot be RESET if the Mode Switch is not in the “**RECALL**” position.
- The pointer will move to indicate the high RPM stored by the tachometer.
- Press the **RESET** button.

High RPM Recall Operation

The PRT will store and display the highest engine speed achieved during a race. The high RPM recall is displayed by the tachometer pointer when in “**RECALL**” mode.

1. Display high RPM memory.

- Turn the ignition ON. The engine MAY be running.
- Rotate the Mode Switch to the “**RECALL**” position.



- The pointer will drop to zero. (If the engine is running, the pointer will drop to the current engine speed.)
- Rotate the Mode Switch to the “**TACH**” position to return to normal tachometer operation.

Siemens VDO Limited Warranty

VDO North America, LLC. warrants all merchandise against defects in factory workmanship and materials for a period of 24 months after purchase. This warranty applies to the first retail purchaser and covers only those products exposed to normal use or service. Provisions of this warranty shall not apply to a VDO product used for a purpose for which it is not designed, or which has been altered in any way that would be detrimental to the performance or life of the product, or misapplication, misuse, negligence or accident. On any part or product found to be defective after examination by VDO North America, VDO North America will only

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