## Wiring with Electronic Ignition

![Diagram D](#)

Proper wiring of the VDO Programmable Tachometer with typical ignition systems

### Wiring with Coil

![Diagram A](#)

**CAUTION!!!**

These instructions contain information about gauges of different sizes. **You must determine the size of your gauge before cutting any holes!**

1. **BEGIN HERE**

2. Cut either a 3 3/8" (80 mm) or a 3 3/8" (85 mm) or a 4" (100 mm) hole, depending on the size of the tachometer you're installing. If the gauge is too snug, use a file to slightly enlarge the opening. (Diagram A)

3. Slip the VDO Spin-Lok™ Mounting Clamp over the back of the tachometer. It's direction depends on the thickness of the panel (Diagram B). Tighten the clamp until the tachometer can no longer be rotated by hand.

**DO NOT OVERTIGHTEN.**

### Wiring the Tachometer:

1. Run wires from the tachometer location to:

   a) A +12 volt power terminal. (This positive power source MUST BE SWITCHED, and should be protected with a fuse);

   **[text continues at #2]**

### Parts List

**Tools and Materials Needed For Installation:**
16 Gauge stranded, insulated wire
Non-insulated 3/16" spade connectors
3 3/8" or 3 3/8" or 4" hole saw
Drill and drill bit set
Half-round file
Tape measure or ruler
Small tools: wrench or nut driver, utility knife, pliers, etc.

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**VDO North America**

Programmable Tachometer

Installation Instructions

Instruction Sheet #0 515 012 020
Rev. 03-00

INSTRUCTIONS FOR THE INSTALLATION OF THE PROGRAMMABLE TACHOMETER ARE CONTAINED HEREIN. USE IS RESTRICTED TO 12-VOLT NEGATIVE GROUND ELECTRICAL SYSTEMS. LIGHT BULB, IF SUPPLIED, IS 12 VOLT.

To Begin, go to #1
CONTINUE HERE

2. Connect the wiring to the appropriate tachometer terminals as shown in Diagram D.

Configuring the Tachometer:

Before your VDO Tachometer will function properly with your engine, you will need to configure it as shown in Diagram C.

The table at the top shows how to set the DIP switches for use with an ignition coil; the table at the bottom shows how to set the DIP switches when using the tachometer with an alternator.

At this point, the installation and wiring of your new VDO Programmable Tachometer is complete. Turn on the ignition and the lights in the car and check to see that the instrument and light work properly. If they don’t, re-check your wiring, referring to Diagram D.

NOTE: THIS PROCEDURE SHOULD BE DONE BY AN EXPERIENCED MECHANIC ONLY, USING A HAND-HELD REFERENCE TACHOMETER. FINE CALIBRATION CAN BE MADE BETWEEN 30% AND 100% USING THIS FIXED REFERENCE.