Tach without Display 52MM

Tech Support 1-800-265-1818
http://usa.vdo.com

Instruction Sheet # A2C59519505 Rev. A

This tachometer has been preprogrammed by the factory according to the chart on page 2 and has no user accessible settings. Confirm the part number you have purchased corresponds to your application before installation.

Read these instructions thoroughly before installation. Do not deviate from assembly or wiring diagram. Always disconnect battery ground before making any electrical connections.

IMPORTANT: Mounting dimensions vary for different gauges. Please be certain to follow the instructions for your specific gauge.

Gauge Installation:

1. Select the desired mounting location of the instrument.
2. Mount the gauge and secure with the VDO Spin-Lok™ Clamp.

(See page 3 for mounting options and instructions)

Wiring the Gauge (Illustration A):

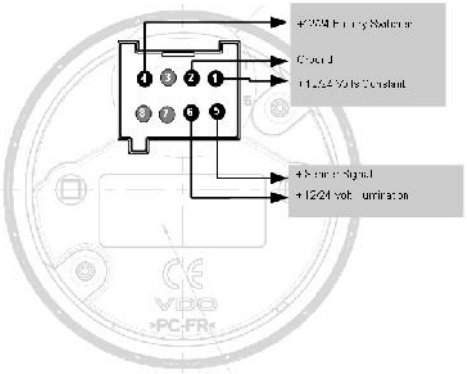
1. Route wires from the instrument to:
   (a) The battery (+) constant power after the fuse box or user supplied in-line fuse – 5 amp fast-blow.
   (b) The battery (+) after the ignition switch and after the fuse box or user supplied in-line fuse – 1 amp fast-blow.
   (c) The light switch after the fuse box or user supplied in-line fuse -1 amp
   (d) A good, dedicated ground location (ex: to chassis) that is not shared with other electronics (such as the radio, fans, ECU's).
   (e) The negative terminal of the ignition coil or tach output wire from engine ECU/ignition module.

2. Connect the harness according to the following wiring Matrix:

1	Red - Battery constant (+12 / 24 V)
2	Black - Ground
3	Not Connected
4	Brown - Battery switched (+12 / 24 V)
5	Green - Sender Signal +
6	Blue/Red - Illumination (+)
7	Not Connected
8	Not Connected
Note - Use 18 AWG for wire harness	

Parts List

Item	Description	Qty
1	52mm Gauge	1
2	Spin-Lok™ Clamp	1
3	Gasket	1
4	8 pin Harness	1
5	Instruction Sheet	1



Pin

Note: Failure to ground to chassis or isolate the ground wire from other electronics **will** result in inaccurate tachometer readings and possible instrument damage.

Date: April 17, 2012

Tachometer Application Chart

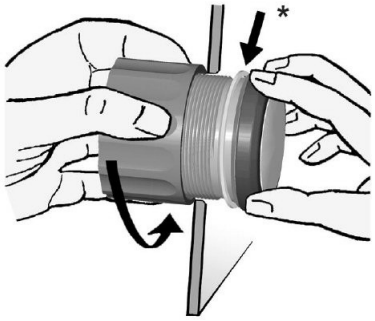
Part Number	RPM Range	Dial Color	Application (Tach Signal)
A2C53210899-S-2P	6,000	Black	4 Cylinder Gas (2 pulse per revolution)
A2C53210897-S-2P	6,000	White	4 Cylinder Gas (2 pulse per revolution)
A2C53210895-S-2P	8,000	Black	4 Cylinder Gas (2 pulse per revolution)
A2C53210892-S-2P	8,000	White	4 Cylinder Gas (2 pulse per revolution)
A2C53210899-S-3P	6,000	Black	6 Cylinder Gas (3 pulse per revolution)
A2C53210897-S-3P	6,000	White	6 Cylinder Gas (3 pulse per revolution)
A2C53210895-S-3P	8,000	Black	6 Cylinder Gas (3 pulse per revolution)
A2C53210892-S-3P	8,000	White	6 Cylinder Gas (3 pulse per revolution)
A2C53210899-S-4P	6,000	Black	8 Cylinder Gas (4 pulse per revolution)
A2C53210897-S-4P	6,000	White	8 Cylinder Gas (4 pulse per revolution)
A2C53210895-S-4P	8,000	Black	8 Cylinder Gas (4 pulse per revolution)
A2C53210892-S-4P	8,000	White	8 Cylinder Gas (4 pulse per revolution)

VDO

52mm

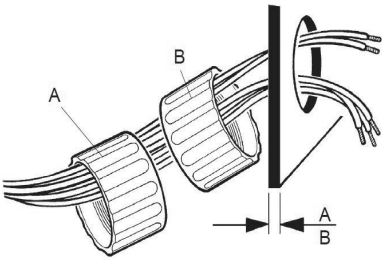
Conventional (Included)

Instrument is put into the drilled hole from the front. The maximum panel thickness is 20mm. The drilled hole must have a diameter of 53mm.



* Make sure the seal lays flat between the panel and the front ring.

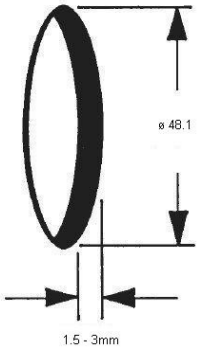
For 52mm instruments, the Spin-Lok™ nut can be mounted at position A or B. This allows you two clamping depths.



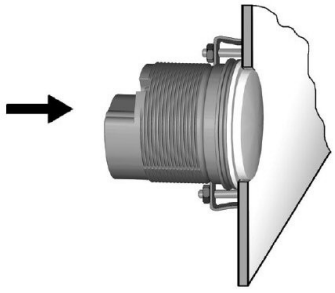
Version A	**Version B**
10mm	20mm

Flush (Optional)

When flush mounting (i. e., from the back so that the instrument glass and the panel form one plane), the front ring must be removed. Press on the instrument glass with both thumbs, while at the same time pulling the front ring forward from the instrument with both index fingers.



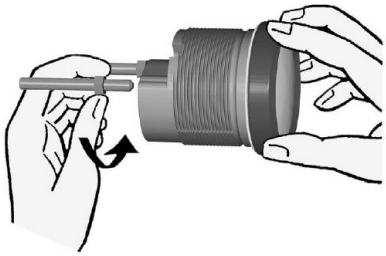
The recommended panel thickness is 1.5 to 3 mm. The drill hole must have a diameter of 48.1mm. Ensure that the installation location is level and has no sharp edges.



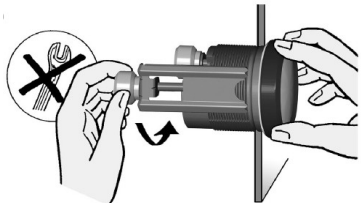
Place the flush mount seal on the instrument glass. Put the instrument into the drill hole from the back. Adjust the instrument so that the gauge is level and fasten it to the stud bolts (not included) on the rear side of the panel, using the flush mount fixing brackets.

Stud (Optional)

If you would like to omit the fastening nut, you may use the stud mount as an alternative. This is recommended if the installation location is subject to extreme vibrations.
Screw the stud bolts into the drilled holes on the rear of the instrument housing. Max. stud bolt torque is 1.5Nm.



Place the bracket on the stud bolt and tighten the knurled nut. Do not over-tighten.



* Make sure the seal lays flat between the panel and the front ring.

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