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**Special OEM Catalog  
2002 Catalog  
Part #SOC0302  
(Supercedes 2001 Catalog #010201)**

### VDO Limited Warranty

VDO North America warrants all merchandise against defect 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 was 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 repair or replace the merchandise through the original selling dealer or on a direct basis. VDO North America assumes no responsibility for diagnosis, removal and/or installation labor, loss of vehicle use, loss of time, inconvenience or any other consequential expenses. The warranties herein are in lieu of any other expressed or implied warranties, including any implied warranty of merchantability or fitness, and any other obligation on the part of VDO North America, or selling dealer.

Note: This is a "Limited Warranty" as defined by the Magnuson-Moss Warranty Act of 1975.

## Severe Duty

When an extreme working environment calls for a tough gauge, Severe Duty will get the job done. Specially designed for industrial applications, these instruments feature legendary VDO quality by incorporating our patented air core and stepper motor movements.

For additional protection against the elements, we incorporated corrosion proof materials, silver contact connectors and special seals with dual lenses. The dual lens system is made up of contoured

impact-proof plastic that not only prevents gauge fogging, but also minimizes reflections, making the instrument readable in almost any condition.

For versatility, Severe Duty instruments also feature built-in warning lights and are available in 12/24-volt applications. As a finishing touch, we incorporated our unique Spin-Lok™ mounting system for fast, positive instrument mounting. Instruments can also be adapted to a square bezel gauge by using an accessory kit.



### PROGRAMMABLE TACHOMETERS w/LCD hourmeter

For use with all current electronic control unit (DDEC, etc.), inductive, alternator, standard ignition, electronic ignition and hall-effect applications. Engine hours are displayed in the LCD window.

Description	Size	Terminal	Voltage	Part No.
3,000 RPM w/EHM	3 <sup>3</sup> / <sub>8</sub> " (85 mm) dia.	Spade	12/24	02 012 126
4,000 RPM w/EHM	3 <sup>3</sup> / <sub>8</sub> " (85 mm) dia.	Spade	12/24	02 012 150

For 24V applications, use bulb #600 829D (2x).

### PROGRAMMABLE TACHOMETERS w/o hourmeter

For use with alternator.

Description	Size	Terminal	Voltage	Part No.
3,000 RPM w/o EHM	3 <sup>3</sup> / <sub>8</sub> " (85 mm) dia.	Spade	12	02 012 426
4,000 PRM w/o EHM	3 <sup>3</sup> / <sub>8</sub> " (85 mm) dia.	Spade	12	02 012 430

For 24V applications, use bulb #600 829D (2x) and resistor kit #391 031D.

### PRESSURE GAUGES, Electrical, 2<sup>1</sup>/<sub>16</sub>" (52 mm) dia.

Description	Ω Range	On Dial	Terminal	Sender Table	Voltage	Part No.
30 PSI	VDO	Pressure	Spade	8	12	02 124 122
30 PSI	VDO	Pressure	Spade	8	24	02 124 522
80 PSI	VDO	Oil symbol	Spade	1	12	02 124 126
150 PSI	VDO	Oil symbol	Spade	5	12	02 124 166
150 PSI	VDO	Oil symbol	Spade	5	24	02 124 566
400 PSI	VDO	Trans. symbol	Spade	7	12	02 124 168
400 PSI	VDO	Trans. symbol	Spade	7	24	02 124 568

See pages 26 & 27 for sender tables.

## Severe Duty cont.

### TEMPERATURE GAUGES, Electrical, 2<sup>1</sup>/<sub>16</sub>" (52 mm) dia.

Description	Ω Range	On Dial	Terminal	Sender Table	Voltage	Part No.
250°F / 120°C	VDO	"Water"	Spade	A	24	02 321 728
250°F / 120°C	VDO	"Water"	Spade	A	12	02 321 628

See pages 28 & 29 for sender tables.

Note: Warning lights must be ordered separately.

### FLUID LEVEL GAUGES, Electrical, 2<sup>1</sup>/<sub>16</sub>" (52 mm) dia.

Description	Ω Range	Terminal	Sender Table	Voltage	Part No.
Fuel gauge	240-33	Spade	12	12	02 222 306
Fuel gauge	240-33	Spade	12	24	02 222 106
Fuel gauge	VDO	Spade	11	12	02 222 112
Fuel gauge	VDO	Spade	11	24	02 222 312
Fuel, adjustable tube type (90-0 Ohms)		Spade	14	12	02 222 512
Fuel, adjustable tube type (90-0 Ohms)		Spade	14	24	02 222 712
Water gauge	VDO	Spade	15	12	02 230 712
Water gauge	VDO	Spade	15	24	02 230 812

See page 31 for sender tables.

### VOLTMETERS, 2<sup>1</sup>/<sub>16</sub>" (52 mm) dia.

Description	Range	On Dial	Terminal	Voltage	Part No.
12V	8-16V	"Symbol"	Spade	12	02 410 806
24V	16-32V	"Symbol"	Spade	24	02 410 906

### AMMETERS (Shunted), 2<sup>1</sup>/<sub>16</sub>" (52 mm) dia.

Description	Range	On Dial	Terminal	Voltage	Part No.
80 Amp gauge, illuminated	-80/0/+80	"Amp"	Spade	12	02 420 712
Kit	-80/0/+80	"Amp"	Spade	12	02 400 310
Shunt only	-	-	-	12	03 320 116

For 24V applications, use resistor kit #391 101.

### ANGLE INDICATOR GAUGE w/Sender, 2<sup>1</sup>/<sub>16</sub>" (52 mm) dia.

Description	Range	Terminal	Voltage	Part No.
Position indicator	VDO	Spade	12	03 200 514

### CLOCK, 2<sup>1</sup>/<sub>16</sub>" (52 mm) dia.

Description	Range	Terminal	Voltage	Part No.
Analog	9-28V	Spade	12/24	03 270 612

### ACOUSTICAL WARNING ALARM, 2<sup>1</sup>/<sub>16</sub>" (52 mm) dia.

Description	Terminal	Voltage	Part No.
Buzzer (Piezo)	Spade	12/24	03 230 702

### WARNING LIGHTS

Description	Terminal	Voltage	Part No.
For volt, temp, pressure and fuel	Spade	12	05 800 762
For volt, temp, pressure and fuel	1/8" (.125")	24	05 800 764



# Special OEM Catalog



## 2002 Catalog

Part #SOCO302 (Supersedes 2001 Catalog #010201)

## ***Bringing the United Power of Automotive Electronics to the Special OEM Marketplace***

As a leader in the electronic instrumentation, control and sensor technology, the VDO brand name means quality, reliability and performance to our customers.

When you combine those same attributes, powerful name and innovation of one of the world's largest suppliers of automotive electronics/electrical systems technologies, you have a true winner in the marketplace.

Siemens VDO Automotive is committed to better serve our Special OEM customers through engineering expertise, advanced technology and a never ending commitment to service and quality.

To illustrate this commitment, we have recently united our product distribution operations to the Siemens VDO facility in Allentown, PA. This state-of-the-art facility has the latest generation computers for inventory and shipping support, plus provides more space for better inventory management. We anticipate that you will soon see a result of faster order processing and improved product availability.

Additionally, the merger of Siemens Automotive and VDO North America LLC will allow us to offer you a broader product portfolio. Built into each Blower Motor, Radiator Fan Motor, Condenser Fan Motor and Window Lift Motor is our OEM innovative technology, design and manufacturing expertise. With motor technologies positioned for the 21st century, you can rely on Siemens VDO to provide the quality, dependability and performance you expect from an industry leader. Feel free to visit the website at [www.siemensvdo.com](http://www.siemensvdo.com) for additional information about the full line of Siemens VDO Automotive products.

We have published this new catalog with the consideration of a more market-driven product offering. Siemens VDO Automotive believes that you will be pleased with our improvements to our 2002 catalog.

Although our face has changed a bit, as always, we are committed and now better prepared to helping our customers meet the challenges of the increasingly competitive world-wide markets.

**SIEMENS VDO**  
A u t o m o t i v e

*Siemens VDO Automotive...still coming  
through for the customer.*