

PERFORMANCE YOU CAN COUNT ON!

Analog Gauges...
...and much more



Stewart Warner
PRODUCT CATALOG



Information in this document is subject to change without notice.

Gauges, Specialty Items, Hourmeters, Senders & Sensors, Switches:

Product Catalog Overview	A3
Analog Gauges	Sections B-H
Deluxe™	B-1
Boxed Gauge Kits	B-14
Heavy Duty™ & Heavy Duty PLUS™	C-1
Heavy Duty	C-1
Heavy Duty PLUS	C-8
Gauge Line	D-1
Standard™ & Standard PLUS™	E-1
Standard	E-3
Standard PLUS Panels with External Lighting	E-4
Wings™	F-1
Boxed Gauge Kits	F-8
Power Series™	G-1
Boxed Gauge Kits	G-7
Green Line™	H-1
Specialty Products	Section I
Hand-held Tachometer	I-2
Instrument Panel (Vertical)	I-2
Instrument Panel (Horizontal)	I-2
Hourmeters: Electronic & LCD	Section J
Stewart Warner & Hobbs Hourmeters	J-1
Stewart Warner DC Hourmeters (83000 Series rectangular, round & SW gauge style match)	J-3
Stewart Warner LCD Hourmeters (86000 Series round)	J-3
Hobbs DC Hourmeters (85000 Series rectangular & round)	J-4
Hobbs AC Hourmeters (20000 Series rectangular & round)	J-5
Hourmeter Accessories	J-5
Senders, Sensors & Tubing	Section K
Thick Film Fuel Senders	K-2
Fuel Sender Accessories	K-2
Thick Film Pressure Senders	K-3
Temperature Senders	K-4
Adapter Nuts for Temperature Senders	K-4
Thermocouple & Extensions for Pyrometer	K-5
Tubing Kits for Mechanical Gauges	K-5
Speed Sensors & Accessories	K-6
Speedometer/Tachometer Sender Tips	K-6
Right Angle Adapter for Flexshafts	K-6
Ford Quick Disconnect Adapter	K-6
Pressure & Temperature Switches	Section L
Hobbs & Stewart Warner Switches	L-1
Pressure Switches (5000 series and standard)	L-3
Temperature Switches	L-3

Lights, Fuel Pumps, Accessories & Reference:

Lighting Products	Section M
Hobbs Halogen Lamps	M-1
Complete Lamp Assembly	M-2
Replacement Sealed Beams	M-2 & M3
Marine Complete Lamp Assembly	M-3
Flush Mount Lamp Assembly	M-3
Hobbs Heavy Duty Flashers	M-3
Fuel Pumps	Section N
Fuel Pumps	N-1
Fuel Pump Service Kit	N-2
Accessories	Section O
Replacement Light Kits	O-2
Mounting Panels	O-2
Shunts for Ammeters	O-3
Voltage Adapters (24-to-12 VDC)	O-3
Audio-Visual Warning Light/Buzzer Kits	O-3
Technical Information	Section Q
Information Resources	Q-1
Product Cross Reference/Interchange	Q-2



Deluxe™

Gauges, Speedometers & Tachometers

Electrical & mechanical instruments with classic white-on-black graphics, patented light rings for night-time illumination, white pointers, low-profile stainless steel corrosion-resistant bezels and 12-volt lamps. Marine Deluxe products include brass cases and non-ferrous hardware. Deluxe Metric products include metric-scale dials. 2-5/8" diameter gauges are available.

THIS PRODUCT LINE IS A STEWART WARNER ORIGINAL THAT IS IDEAL FOR SPECIALTY VEHICLES, ON- & OFF-HIGHWAY AND THE STREET ROD & CLASSIC CAR MARKETS! A 6-INSTRUMENT KIT IS OFFERED.



Heavy Duty™ & Heavy Duty Plus™

Gauges, Speedometers & Tachometers

Electrical & mechanical instruments with bold white-on-black graphics, patented light rings for night-time illumination, white pointers, raised black bezels with distinctive bright aluminum rims and 12-volt lamps. Heavy Duty Plus™ instruments feature easy-to-read green & white-on-black English or metric-scale graphics (with SAE or ISO symbols), green-tinted light rings for night-time illumination and low-profile black bezels.

THESE "LEGACY" PRODUCTS ARE ESPECIALLY POPULAR WITH ON- AND OFF-HIGHWAY CUSTOMERS, A CLASSIC STEWART WARNER OFFERING!



Gauge Line

Gauges only (no Speedometers or Tachometers)

Electrical & mechanical gauges with clean automotive-like white-on-black graphics, superior lighting (through-the-dial, especially good for night-time driving), bright red-orange pointers (for an improved user interface) and classic stainless steel SW-style step bezels. Gauge Line gauges are kitted with senders, tubing and accessories. English and dual-scale (English/Metric) units are also available.

GAUGE LINE GAUGES DELIVER EXCELLENT QUALITY AT A REASONABLE PRICE, ENSURING GOOD PERFORMANCE AND MORE VALUE!



Standard™ & Standard Plus™

Gauges only (no Speedometers or Tachometers)

Electrical & mechanical instruments with classic white-on-black graphics, white pointers and flat stainless steel corrosion-resistant bezels. Standard Plus™ gauges are available in 1-, 2- & 3-gauge mounting panels with external lighting.

PRODUCTS ARE IDEAL FOR INDUSTRIAL APPLICATIONS, ENGINE-POWERED EQUIPMENT, POWER TURF EQUIPMENT & SPECIALTY VEHICLE APPLICATIONS, ESPECIALLY WHERE PRICING IS A FACTOR!



Product Catalog Overview



Wings™

Gauges, Speedometers & Tachometers

Electrical & mechanical instruments with classic 1940s “retro” styling: white-on-black or black-on-white English-scale graphic dials with contrasting Wings™ logo and distinctive “teardrop” style pointers. Wings products also feature gleaming bright chrome bezels, domed (convex) lenses and 12-volt lamps.

THESE PRODUCTS ARE IDEAL FOR STREET RODS, CLASSIC CARS, AUTOMOTIVE ENTHUSIASTS, CLASSIC & CURRENT TRUCKS! SEVERAL 5- AND 6-INSTRUMENT KITS ARE OFFERED.



Power Series™ Instruments

Gauges, Speedometers & Tachometers

Electrical & mechanical instruments with authentic '60s styling – a refinement of the original SW Custom-Deluxe product line used on Big 3 muscle cars. Available with burgundy, titanium or blue/gray accent colors, Power Series features silver on black graphics with a unique silver insert in the dial, specially designed white & black pointer, chrome SAE step bezel and 12-volt lamps. Units are sold in 5- or 6-gauge kits with senders – or individually.

THESE PRODUCTS ARE PERFECT FOR MUSCLE CARS AND THEY'RE JUST LIKE THE ORIGINALS. SEVERAL 5- AND 6-INSTRUMENT KITS ARE OFFERED IN ALL THREE COLOR SCHEMES.



Green Line™

Gauges, Speedometers & Tachometers

You can't get more genuine than our original Custom Deluxe™ Green Line™ gauges! Original 1960s dial artwork was used to recreate our most requested line: polished stainless steel stepped bezel, brushed silver center, mechanical gauges have red pointers with silver hub, ammeters even feature the original crescent pointer slot! Gauges are available in 2-1/6" and 2-5/8", speedos and tachs in 3-3/8" with full dial sweep.

PRODUCTS ARE PERFECT FOR MUSCLE CARS, AND THEY ARE THE ORIGINALS! SHELBY GTS AND YENKOS HAD THEM – SO CAN YOU!



Specialty Products

Instrument Panels, Hand-held Tachometer

Pre-assembled instrument panels are available in vertical & horizontal configurations, each including illuminated voltmeter, fuel level, water temperature and oil pressure gauges, in water- and dust-resistant, front-serviceable housing with snap-on bezels and lenses. The hand-held 4,000-RPM tachometer is 3" diameter and 4" long and used for direct measure on a clockwise or counterclockwise rotating shaft. Two shaft extensions and two rubber tip styles are available.

THIS HANDY ARRAY OF PRODUCTS IS APPEALING TO MULTIPLE MARKETS!

Hourmeters

Stewart Warner & Hobbs Hourmeters & Accessories

83000 Series Stewart Warner DC hourmeters feature Quartz movements for 10-80 VDC applications and units that cosmetically match our Deluxe and Heavy Duty lines.

86000 Series SW LCD hourmeters are sealed severe duty units, designed from the ground-up for reliable performance for 7-56 VDC applications.

85000 Series Hobbs DC hourmeters are UL-recognized, sealed severe duty units, delivering optimum performance for 10-80 VDC applications.

20000 Series Hobbs AC hourmeters are UL-recognized, severe duty units, available in 50 and 60 Hz configurations for 108-132 VAC applications.

RUGGED AND RELIABLE, WE HAVE AN HOURMETER FOR VIRTUALLY EVERY APPLICATION THAT IS ACCURATE WITHIN $\pm .02\%$.



Senders & Sensors

Fuel Level, Pressure, RPM, Speed & Temperature Senders & Sensors, Mechanical Tubing and Accessories

Fuel senders: our thick-film resistors deliver greater accuracy and will perform reliably for more than twenty million cycles. Pressure senders: our thick film pressure senders will last up to five times longer than senders with wire-wound resistors. Temperature senders: corrosion-resistant, outstanding electrical and thermal conductivity, shock and vibration resistant for maximum durability. Speed/RPM sensors: magnetic, Hall Effect and mechanical pickups/tips are available. Tubing: kits for mechanical pressure gauges.

THESE HEAVY DUTY SENDERS AND SENSORS ARE GENUINE STEWART WARNER PARTS – AND THEY CAN BE USED WITH MANY OTHER BRANDS OF TEMPERATURE AND PRESSURE GAUGES, SPEEDOMETERS AND TACHOMETERS.



Pressure & Temperature Switches

Featuring Hobbs & Stewart Warner 5000 Series

Hobbs & Stewart Warner 5000 series pressure switches are available in single or dual circuit configurations, with factory set points from 1 to 100 PSI and operating pressures of 150 PSI for 1-24 PSI set point range and 250 PSI for 25-100 PSI set point range. Outstanding design features durable construction, compact size and enhanced set point integrity. (Stewart Warner 5000 Series part numbers have SW prefix.) Standard SW temperature switches offer excellent accuracy and repeatability, normally open gold-plated contacts and are voltage independent. Standard SW pressure switches are also voltage independent.

IDEAL FOR EXTENDED DUTY APPLICATIONS, THESE DURABLE UNITS ARE DESIGNED TO OPERATE WITH AIR, MOTOR OILS, TRANSMISSION OILS, JET FUELS AND OTHER SIMILAR HYDROCARBON MEDIA. STEWART WARNER IS THE EXCLUSIVE DISTRIBUTOR OF HOBBS 5000 SERIES PRESSURE SWITCHES.





Hobbs Lighting Products

Hobbs Halogen Lamps & Heavy Duty Flashers

Rugged, easy-to-install lamps are available in 12 or 24 VDC and 35, 50 or 60 watt configurations with a variety of beam patterns. Flashers have mounting ears and utilize a spring mass motor, which provides up to ten times the service life of conventional thermal flashers. Flashers have forgiving (9-16 & 18-32) DC voltage ranges and exceed SAE J-590B and J-945 specifications.

HOBBS MEANS HEAVY DUTY!



Fuel Pumps

Fuel Pumps & Service Kit

12 VDC fuel pumps are offered in ranges of 6-8 PSI and 20-43 GPH (75-162 LPH). A 24 VDC unit is offered with 8 PSI/43 GPH capacities. Units can self prime (dry lift) more than 120 cm (48"), are reverse-polarity-protected up to 60 minutes, transient-voltage-protected to 100 volts and dry-run-capable up to 4 hours. U.S. Coast Guard 16623-1 and 16623-2 approved, European CE standards EN 61000-6-2 and EN 6-3-2100 approved.

STEWART WARNER FUEL PUMPS PROVIDE OUTSTANDING VERSATILITY AND DURABILITY, COMPATIBLE WITH TODAY'S COMMERCIALLY AVAILABLE PUMP GRADE GASOLINE, ETHANOL BLENDS (INCLUDING E85), DIESEL AND BIO-DIESEL.



Accessories

Genuine Stewart Warner

We are your source for genuine Stewart Warner light kits, mounting panels, 24-to-12-volt voltage adapters, ammeter shunts, and a selection of warning devices (lights and buzzers.)

FINISH THE JOB WITH GENUINE STEWART WARNER PARTS!



Merchandising

Stewart Warner Kitting, Packaging & P.O.P. Support

Our products are packaged for convenience, completeness and ease of identification. Kits generally include items needed for a typical retrofit.

BACKED BY STEWART WARNER'S 2-YEAR WARRANTY!



Technical Information

Where to Get Answers to Your Questions

Included are an overview of available technical resources followed by a comprehensive OEM product cross-reference. Still have questions? E-mail: customer.service@maximatecc.com or call: 800-676-1837.

STEWART WARNER – THE ONE AND ONLY ORIGINAL!

What makes a Stewart Warner gauge *heavy duty*?

At the heart of every heavy duty Stewart Warner instrument is the gauge motor – our patented Magna-Torque™ air-core movement.

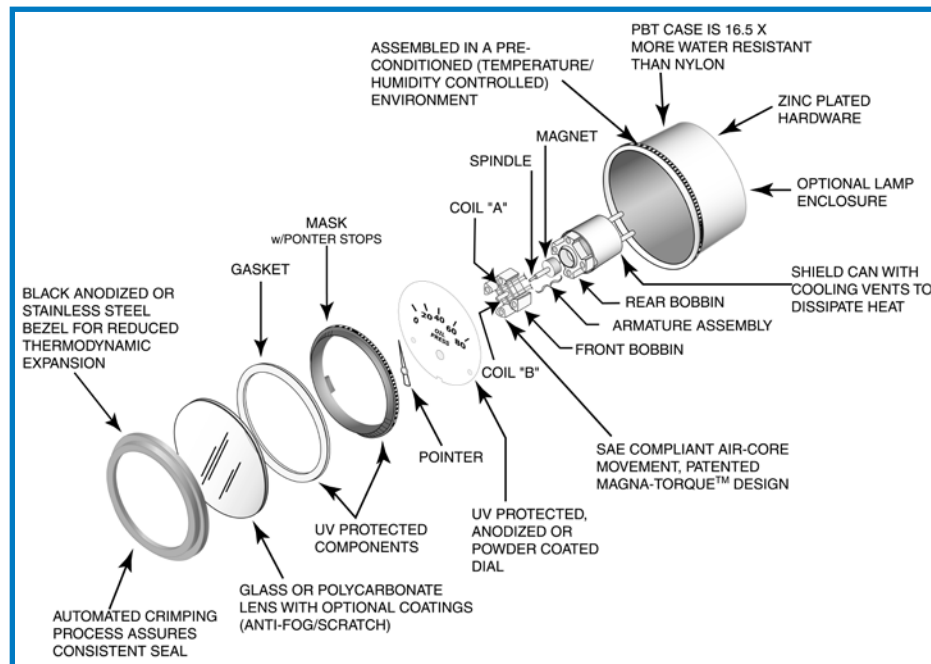
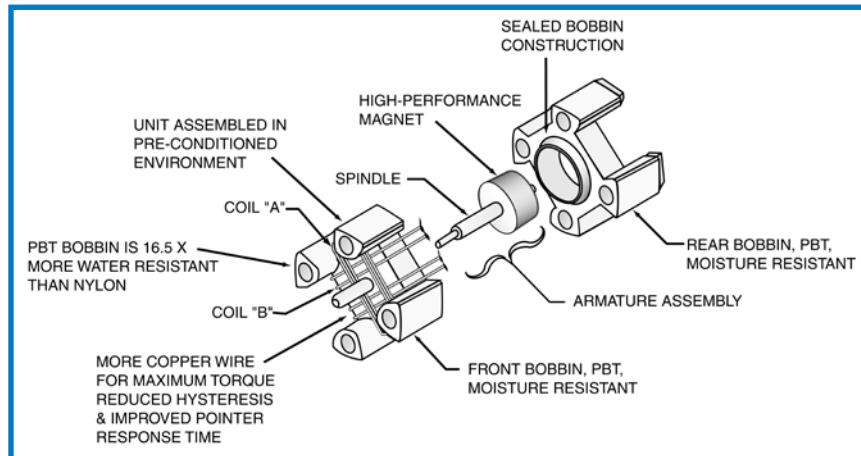
Packaged in a PBT (polyester) bobbin assembly that is 16.5 times more water resistant than nylon (a typical material used due to its low cost), the system features sealed bobbin construction, thereby preventing dampening fluid from leaking out (a problem that is fairly common to marginally constructed gauges).

Dampening fluid is injected into the assembly using an automated process to ensure that the correct amount is distributed, thus optimizing the system's intended relationship between desired pointer response time and negligible pointer "flutter" from heavy shock or vibration.

The design (in a Stewart Warner match of 240-33.5 ohms) also accommodates more "turns" of copper wire around the coils, thus maximizing the system's torque output (compared to other systems). As a result, hysteresis is minimized (i.e. erratic pointer behavior or a floating pointer) while desired pointer response time is maintained (relative to real-time sender inputs).

A high-performance magnet augments the system's aim of obtaining maximum torque and response time.

Of particular note, the unit is assembled in a pre-conditioned environment – temperature and humidity-controlled – to ensure that no moisture is artificially introduced into the assembly.



Distributor Warranty Policy

maximatecc shall warrant its products against defects in workmanship and materials for a period of twenty-four (24) months from the date of purchase, provided that these products are installed and operated according to the purpose for which they were intended, designed, and specified.

This warranty excludes items that are incorrectly installed, misused, or abused by the customer as would be uncovered upon examination. If a suspect product is returned to maximatecc for inspection, upon which it is determined that the product is in fact defective, maximatecc will replace the product free-of-charge or issue a credit for the customer. Customers are advised to consult with a maximatecc sales representative in regard to this matter.

maximatecc will not assume responsibility for labor costs associated with the removal of suspect product or the cost of equipment downtime, or any other costs associated with concerns that are not specifically related to workmanship or materials.

In order to qualify for warranty coverage, customers must use maximatecc's Returned Goods Authorization (RGA) process and provide proof of purchase (as verification of the start date of the warranty coverage period.)

Products which are returned to maximatecc that are determined to be OK shall not qualify for warranty coverage.

Returned Goods Policy

ANY PRODUCT TO BE RETURNED TO MAXIMATECC FOR ANY REASON MUST INCLUDE A RETURNED GOODS AUTHORIZATION (RGA).

The RGA must be obtained in advance from a maximatecc quality representative who will determine whether to process the request.

maximatecc's quality personnel will assign an RGA number and the customer must identify this

information on the package(s) to be returned to maximatecc.

All returns must be shipped pre-paid with traceability to maximatecc.

Upon receipt of suspect material, maximatecc's quality personnel will provide appropriate disposition, in which case our warranty policy may or may not apply.

maximatecc●

Specifications and information contained in this catalog are subject to change without notice!



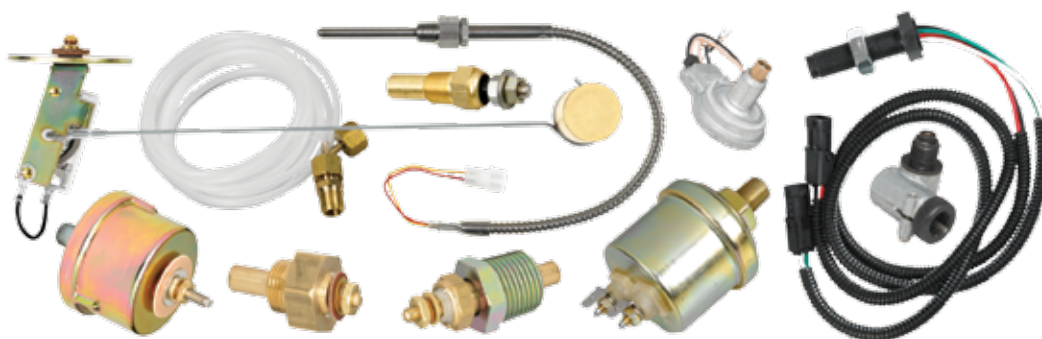
Classic Deluxe oil pressure, water temperature, tachometer, speedometer, volt and fuel gauges

The Original. Accept No Substitutes.

Stewart Warner Deluxe™ gauges set the industry standard in classic gauge design almost 50 years ago. Ideal for heavy duty and automotive applications alike, iconic Deluxe gauges combine distinctive styling with robust construction, including a fully sealed bobbin assembly to house the gauge motor.

Match with Stewart Warner senders for a perfectly tuned “system solution.”

- Classic, easy-to-read, white-on-black graphics – the standard in the industry for nearly 50 years
- Low-profile bezel – more streamlined than pure step
- Unique light ring for superior night-time illumination
- Immune to over-voltage or incorrect installation
- Front-sealed, dust-proof in rear



General Specifications:

Physical:

- Sizes:
 - Gauges:* either 2-1/16" (52 mm) or 2-5/8" (67 mm) nominal diameters;
 - Tachometers/Speedometers:* 3-3/8" (85.7 mm) diameter nominal;
 - 5" (127 mm) Speedometers also available*
- Movement:
 - Electrical Gauges:* High-torque air-core type, 90° pointer sweep
 - Mechanical Gauges:* Bourdon tube type, 270° pointer sweep
 - Tachometers & Speedometers:* High-torque air-core type or electro-mechanical, 270° pointer sweep
- Bobbin: Sealed, reinforced PBT, internally dampened
- Case Construction:
 - Gauges:* steel, plated (corrosion-protected)
 - Tachs & Speedos:* rugged polymer
- Dials: Aluminum, painted, black
- Pointers: Aluminum, painted white tip, black hub
- Bezels: Polished stainless steel SAE step

Environmental:

- Operating temperature: -40°C to +85°C
- Storage temperature: -55°C to +85°C
- Sealing: Front sealed IP 66, dustproof in rear
- Compliant: SAE J1810, typical standards for vibration, salt spray

Installation:

- Mounting kit: bracket and hardware
- Panel cut-outs:
 - 2-1/16" (52 mm) Gauges:* 2.098" +/- .02";
 - 2-5/8" (67 mm) Gauges:* 2.603" +/- .02"
 - 3-3/8" (85.7 mm) Tachometers/Speedometers:* 3.4" +/- .02"

Graphics:

- Color scheme: White-on-black graphics with English scale (color keyed dials available on select units)
- Configuration: English graphics on most; dual scale English and Metric on select units

Electrical:

- System voltage: 12V (10-16 VDC) or 24V nominal (20-32 VDC – requires adapter)
- Ohms/resistance: 240-33.5Ω standard Stewart Warner match; 73-10 and 0-90Ω also available
- Lighting: 12V, patented light ring
- Connections: #8-32 studs
- Protected from over-voltage & reverse polarity

Also Available:

- Matching 5" speedometer, tachometer
- Matching 4-in-1 gauge clusters
- Stewart Warner senders for electrical gauges
- Genuine Stewart Warner accessories

Performance:

- General specifications: compliant with SAE and ISO standards
- Accuracy: Per SAE, +/- 1.5 angular degrees at primary calibration points and +/- 3 angular degrees at secondary calibration points based on nominal input



More Information:

Consult with your Maximatecc salesperson for additional details about related products.

GAUGE Part Numbers:

Ammeters						
P/N	Model	Scale	Ø in	Type	Bezel	Shunt
82108	Deluxe	60-0-60	2-1/16"	Marine *1	Polished	Internally Shunted
82109	Deluxe	60-0-60	2-1/16"	Marine *1	Polished	813489
82310	Deluxe	30-0-30	2-1/16"	Standard	Polished	Internally Shunted
82311	Deluxe	60-0-60	2-1/16"	Standard	Polished	Internally Shunted
82313	Deluxe	100-0-100	2-1/16"	Standard	Polished	Internally Shunted
82404	Deluxe	60-0-60	2-5/8"	Standard	Polished	Internally Shunted

NOTES:

*1 = Marine version includes additional corrosion protection.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.



82108



82109



82311



82313



82404



82310

Fuel Level GAUGES							
P/N	Model	Scale	Ø in	Ω Ohms	Volts	Bezel	Type/Sender
82111	Deluxe	E-1/2-F	2-1/16"	240-33.5	12	Polished	Marine *1 See Sender Table
82303	Deluxe	E-1/2-F	2-1/16"	240-33.5	12	Polished	See Sender Table
82341	Deluxe	E-1/2-F	2-1/16"	0-90	12	Polished	See Sender Table
82342	Deluxe	E-1/2-F	2-1/16"	73-10	12	Polished	See Sender Table
82413	Deluxe	E-1/2-F	2-5/8"	240-33.5	12	Polished	See Sender Table

NOTES:

*1 = Marine version includes additional corrosion protection.

See Fuel Level Senders Table on next page for commonly used senders. For other sending unit options, please see Fuel Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.



82111

NOTE: When power to an electrical gauge is turned off, pointer may come to rest at any point on the dial.

SENDING UNIT Part Numbers:



391D-D shown

Fuel Level SENDERS

P/N	Tank Depth	Flange Position ^{*1}	Ω Ohms	Ground Type ^{*2}
385AB-P	4.5-24"	RH	240-33.5	Common (Stud)
385B-F	6-12"	LH	240-33.5	Common (Stud)
385C-F	6-12"	RH	240-33.5	Common (Stud)
391A-F	10-15"	LH	240-33.5	Common (Stud)
391B-F	10-15"	RH	240-33.5	Common (Stud)
391C-D	15.5-24"	LH	240-33.5	Common (Stud)
391D-D	15.5-24"	RH	240-33.5	Common (Stud)
391PX-D	27-36"	RH	240-33.5	Common (Stud)
114876	Adjustable for 4.5-24"	LH	240-33.5	Common (Stud)
439363-D	15.5-24"	LH	0-90	Common (Stud)
439364-D	15.5-24"	RH	0-90	Common (Stud)

NOTES:

*1 = Fuel sender installations support either a right hand (RH) or left hand (LH) configuration. Fixed arm senders may be available for a custom solution.

*2 = Custom units available for isolated ground, consult with salesperson.

For other sending unit options, please see Fuel Sender section.



82329



82332



82393

Pressure Gauges – AIR

P/N	Model	Scale (PSI)	Ø in	Ω Ohms	Volts	Bezel	Type
82346	Deluxe	0-150	2-1/16"	240-33.5	12	Polished	Electrical ^{*1}
82329	Deluxe	10-150	2-1/16"	N/A	N/A	Polished	Mechanical, Single ^{*2}
82332	Deluxe	10-150	2-1/16"	N/A	N/A	Polished	Mechanical, Dual ^{*2}
82393	Deluxe	70-1000 kPa	2-1/16"	N/A	N/A	Polished	Mechanical, Single ^{*2}
82408	Deluxe	10-100 psi	2-5/8"	N/A	N/A	Polished	Mechanical, Single ^{*2}

NOTES:

*1 = Use sender P/N 279C or 82894.

*2 = Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.



82408

GAUGE Part Numbers:

Pressure Gauge – AIR SUSPENSION (mech.)						
P/N	Model	Scale (PSI)	Ø in	Bezel	Type	Features
82396	Deluxe	2-100	2-1/16"	Black	Mechanical *1	Waterproof case, Non-illuminated.

NOTES:

*1 = Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

Gauge kit above includes gauge mounting hardware.

No light kits are available for this gauge.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.



82396

Pressure Gauges – FUEL							
P/N	Model	Scale (PSI)	Ø in	Ω Ohms	Volts	Bezel	Type/Sender *1
82319	Deluxe	1-10	2-1/16"	N/A	N/A	Polished	Mechanical/NA *1
82320	Deluxe	2-30	2-1/16"	N/A	N/A	Polished	Mechanical/NA *1
82325	Deluxe	10-200	2-1/16"	N/A	N/A	Polished	Mechanical/NA *1
82405	Deluxe	1-15	2-5/8"	N/A	N/A	Polished	Mechanical/NA *1
82333	Deluxe	0-16	2-1/16"	240-33.5	12	Polished	Electrical/ 82504-F

NOTES:

*1 = Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

For other sending unit options, please see Pressure Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.



82319



82320



82325



82405



82333

GAUGE Part Numbers:



82321



82113



82304



82116



82305



82387



82324



82322



82323



82406

Pressure Gauge – MANIFOLD (mechanical)

P/N	Model	Scale (PSI)	Ø in	Volts	Bezel	Type
82321	Deluxe	2-30	2-1/16"	N/A	Polished	Mechanical *1

NOTES:

*1 = Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.

Pressure Gauges – OIL

P/N	Model	Scale (PSI)	Ø in	Ω Ohms	Volts	Bezel	Type	Sender
82113	Deluxe	0-80	2-1/16"	240-33.5	12	Polished	Elec., Marine *1	279A or 82892 *2
82304	Deluxe	0-80	2-1/16"	240-33.5	12	Polished	Elec.	279A
82116	Deluxe	0-100	2-1/16"	240-33.5	12	Polished	Elec., Marine *1	279B-F or 82893 *2
82305	Deluxe	0-100	2-1/16"	240-33.5	12	Polished	Elec.	114875
82387	Deluxe	0-700 kPa	2-1/16"	240-33.5	12	Polished	Elec.	114875
82322	Deluxe	5-80	2-1/16"	N/A	N/A	Polished	Mech.	N/A *3
82323	Deluxe	5-100	2-1/16"	N/A	N/A	Polished	Mech.	N/A *3
82324	Deluxe	10-200	2-1/16"	N/A	N/A	Polished	Mech.	N/A *3
82406	Deluxe	5-100	2-5/8"	N/A	N/A	Polished	Mech.	N/A *3

NOTES:

*1 = Marine version includes additional corrosion protection.

*2 = Use 82893 Sender with 100 psi Pressure Gauges for Marine Applications.

*3 = Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

For other sending unit options, please see Pressure Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.

GAUGE Part Numbers:

Pressure Gauges – TRANSMISSION OIL							
P/N	Model	Scale (PSI)	Ø in	Ω Ohms	Volts	Bezel	Type
82136	Deluxe	0-400 / 0-2800 kPa	2-1/16"	10-180	12	Polished	Electrical, Marine *1, Dual
82120	Deluxe	20-300	2-1/16"	N/A	N/A	Polished	Mechanical/ Marine *1 *2
82121	Deluxe	25-400	2-1/16"	N/A	N/A	Polished	Mechanical/ Marine *1 *2

NOTES:

*1 = Marine version includes additional corrosion protection.

*2 = Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

For other sending unit options, please see Pressure Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.



82136



82120



82121

Pyrometer							
P/N	Model	Scale (°F)	Scale Graduation	Ø in	Volts	Bezel	Sender
82335	Deluxe	300-1500	°F x 100	2-1/16"	12	Polished	82505

NOTES:

For sending unit options, please see the Senders & Sensors section.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.



82335

GAUGE Part Numbers:



82637



82656



82896



82698



82692



82677



82697



550BP-D

Speedometers (electrical & mechanical)

P/N	Model	Scale (MPH/kmh)	Ø in	Type	Notes	Sender
82637	Deluxe	5-85 MPH / 0-130 kmh	3-3/8"	Electrical	Programmable; Odometer	82623B or 82646
82656	Deluxe	0-140 kmh / 5-85 MPH	3-3/8"	Electrical	Programmable; Odometer	114878 or 82646
82896	Deluxe	0-120 MPH	3-3/8"	Electrical	Programmable; Odometer	82527 or 82646
82698	Deluxe	0-160 MPH	5"	Electrical	Programmable; Odometer	114878 or 82646
82692	Deluxe	0-80 MPH / 0-130 kmh	3-3/8"	Mechanical	Programmable; Odometer	N/A
82677	Deluxe	5-85 MPH / 0-130 kmh	3-3/8"	Mechanical	Odometer	N/A
82697	Deluxe	0-140 MPH	3-3/8"	Mechanical	Odometer	N/A
550BP-D	Deluxe	0-160 MPH	3-3/8"	Mechanical	Programmable; Odometer	N/A

NOTES:

For sending unit options, please see the Senders & Sensors section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See next page for matching tachometers and other pages in this section for matching 2" gauges.

GAUGE Part Numbers:

Tachometers (electrical & mechanical)						
P/N	Model	Scale (RPM)	Ø in	Type	Notes	Sender
82620	Deluxe	0-3,500	3-3/8"	Electrical	RPM x 100; Selectable Ratio: .5, 1, 1.5, 2	82623B
82622	Deluxe	0-3,500	3-3/8"	Electrical	RPM x 100; Hours 1/10; Selectable Ratio: .5, 1, 1.5, 2; Hourmeter	82623B
82635	Deluxe	0-3,500	3-3/8"	Electrical	r/min x 100; Selectable Ratio: .5, 1, 1.5, 2; Alternator Application	82623B
82636	Deluxe	0-3,500	3-3/8"	Electrical	r/min x 100; Selectable Ratio: .5, 1, 1.5, 2; Flywheel Application	82646
82162B	Deluxe	0-6,000	3-3/8"	Electrical	RPM x 1,000; 4, 6, 8 Cylinder; 12 Pole	N/A
82163	Deluxe	0-8,000	3-3/8"	Electrical	RPM x 1,000; 4, 8, 12 Cylinder; 20 Pole	N/A
82170	Deluxe	0-8,000	3-3/8"	Electrical	RPM x 1,000; 4, 6, 8 Cylinder; 12 Pole	N/A
82699	Deluxe	0-10,000	5"	Electrical	Ignition Coil	N/A
82689	Deluxe	0-3,500	3-3/8"	Mechanical	RPM x 100; .5:1 Ratio	N/A
82691	Deluxe	0-3,500	3-3/8"	Mechanical	RPM x 100; 1:1 Ratio	N/A
82688	Deluxe	0-3,500	3-3/8"	Mechanical	Engine Hours RPM x 100; .5:1 Ratio; Hourmeter	N/A
82690	Deluxe	0-3,500	3-3/8"	Mechanical	Engine Hours RPM x 100; 1:1 Ratio; Hourmeter	N/A
551AKM-D	Deluxe	0-5,000	3-3/8"	Mechanical	5:1 Ratio	N/A



82620



82622



82635

NOTES:

For sending unit options, please see the Senders & Sensors section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See previous page for matching speedometers and other pages in this section for matching 2" gauges.

(Other Tachometers
shown on
following page.)

GAUGE Part Numbers:



82636



82162B



82163



82170



82699



82689



82691



82688



82690

GAUGE Part Numbers:

Temp. Gauge – HYDRAULIC OIL (electrical)							
P/N	Model	Scale (°F)	Ø in	Match	Volts	Bezel	Sender
82345	Deluxe	100-240	2-1/16"	SW	12	Polished	280EA

NOTES:

For other sending unit options, please see Temperature Sender section.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.



82345

Temperature Gauges – OIL							
P/N	Model	Scale (°F or °C)	Ø in	Match	Volts	Bezel	Type/Tubing/Sender
82115	Deluxe	100-280°F	2-1/16"	SW	12	Polished	Electrical/M/280ED-F *1
82308	Deluxe	140-320°F	2-1/16"	SW	12	Polished	Electrical/280EE-F
82327-60	Deluxe	140-325°F	2-1/16"	N/A	N/A	Polished	Mech./60" Tubing *2
82327-72	Deluxe	140-325°F	2-1/16"	N/A	N/A	Polished	Mech./72" Tubing *2
82327-96	Deluxe	140-325°F	2-1/16"	N/A	N/A	Polished	Mech./96" Tubing *2
82327-144	Deluxe	140-325°F	2-1/16"	N/A	N/A	Polished	Mech./144" Tubing *2
82327-216	Deluxe	140-325°F	2-1/16"	N/A	N/A	Polished	Mech./216" Tubing *2
82395-72	Deluxe	60-160°C	2-1/16"	N/A	N/A	Polished	Mechanical/1.83m Tubing *2
82395-96	Deluxe	60-160°C	2-1/16"	N/A	N/A	Polished	Mechanical/2.44m Tubing *2
82410-72	Deluxe	140-325°F	2-5/8"	N/A	N/A	Polished	Mech./72" Tubing *2

NOTES:

*1 = Marine version ("M" part number) includes additional corrosion protection.

*2 = Tubing included with mechanical gauge kits above. Part number suffix = tubing length (inches) included with gauge (e.g. -72 = 72" tubing.) **WARNING: The tubing on mechanical temperature gauges is gas-filled and cannot be field-altered without damaging the gauge.**

For other sending unit options, please see Temperature Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.



82115



82308



82327



82395



82410



82344



82114



82307



82389



82326-XX

GAUGE Part Numbers:

Temp. Gauge – TRANSMISSION OIL (electrical)

P/N	Model	Scale (°F)	Ø in	Match	Volts	Bezel	Sender
82344	Deluxe	150-350	2-1/16"	SW	12	Polished	280EE-F

NOTES:

For other sending unit options, please see Temperature Sender section.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.

Temperature Gauges – WATER

P/N	Model	Scale (°F or °C)	Ø in	Match	Bezel	Type/Tubing/ Sender ^{*1 *2}
82114	Deluxe	100-240 °F	2-1/16"	SW	Polished	280EA
82306	Deluxe	100-240 °F	2-1/16"	SW	Polished	280EA
82307	Deluxe	100-280 °F	2-1/16"	SW	Polished	280ED-F
82389	Deluxe	40-115 °C	2-1/16"	SW	Polished	280EC
82326-48	Deluxe	100-265 °F	2-1/16"	N/A	Polished	Mech./48" Tubing
82326-60	Deluxe	100-265 °F	2-1/16"	N/A	Polished	Mech./60" Tubing
82326-72	Deluxe	100-265 °F	2-1/16"	N/A	Polished	Mech./72" Tubing
82326-96	Deluxe	100-265 °F	2-1/16"	N/A	Polished	Mech./96" Tubing
82326-120	Deluxe	100-265 °F	2-1/16"	N/A	Polished	Mech./120" Tubing
82326-144	Deluxe	100-265 °F	2-1/16"	N/A	Polished	Mech./144" Tubing
82326-216	Deluxe	100-265 °F	2-1/16"	N/A	Polished	Mech./216" Tubing
82326-288	Deluxe	100-265 °F	2-1/16"	N/A	Polished	Mech./288" Tubing
82326-360	Deluxe	100-265 °F	2-1/16"	N/A	Polished	Mech./360" Tubing
82394-144	Deluxe	40-130 °C	2-1/16"	N/A	Polished	Mech./3.66m Tubing
82409-60	Deluxe	100-265 °F	2-5/8"	N/A	Polished	Mech./60" Tubing
82409-72	Deluxe	100-265 °F	2-5/8"	N/A	Polished	Mech./72" Tubing
82409-144	Deluxe	100-265 °F	2-5/8"	N/A	Polished	Mech./144" Tubing

NOTES:

*1 = Tubing included with mechanical gauge kits above. Part number suffix = tubing length (inches) included with gauge (e.g. -72 = 72" tubing.) **WARNING: The tubing on mechanical temperature gauges is gas-filled and cannot be field-altered without damaging the gauge.**

*2 = Marine version includes additional corrosion protection.

For other sending unit options, please see Temperature Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.

GAUGE Part Numbers:

Vacuum Gauges (mechanical only)

P/N	Model	Scale *1	Ø in	Type	Bezel	Tubing *2
82328	Deluxe	0-30 In-Hg	2-1/16"	Mechanical	Polished	114842
82411	Deluxe	0-30 In	2-5/8"	Mechanical	Polished	114842

NOTES:

*1 = 82328 dial is marked "In-Hg." 82411 dial is marked "Inches." (Both measure vacuum in In-Hg.)

*2 = Use tubing kit P/N 82553-F (6') or 366HM-F (16'). Tee fitting may be required.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.



82328



82411

Vacuum/Boost Gauge (mechanical only)

P/N	Model	Scale *1	Ø in	Type	Bezel	Tubing *2
82340	Deluxe	0-30 In-Hg/ 0-15 PSI	2-1/16"	Mechanical	Polished	Red Pointer; Tubing req'd. *2

NOTES:

*1 = Scale indicates vacuum in In-Hg and boost in PSI, as measured by gauge.

*2 = Use tubing kit P/N 82553-F (6') or 366HM-F (16'). Tee fitting may be required.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.



82340

Voltmeters

P/N	Model	Scale	Ø in	Volts	Bezel	Type/Notes
82112	Deluxe	10-16	2-1/16"	12	Polished	Marine *1 / Volts Only
82309	Deluxe	10-16	2-1/16"	12	Polished	Battery Charge Volts / Color Band
82391	Deluxe	10-16	2-1/16"	12	Polished	Battery Charge Volts
82347	Deluxe	20-32	2-1/16"	24	Polished	Battery Charge Volts / Color Band

NOTES:

*1 = Marine version ("M" part number) includes additional corrosion protection.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages B8-B10 for matching tachometers and speedometers.



82112



82309



82391



82347

DELUXE GAUGE KIT:



Dashboard in a Box!

Stewart Warner Deluxe automotive gauge sets are available in convenient kit form for automotive applications. Each kit contains the essential instrument panel gauges. Other matching gauges available...please see previous pages.

And they're matched with Stewart Warner senders for a perfectly tuned "system solution."

- Classic, easy-to-read, white-on-black graphics – the industry standard for nearly 50 years
- Low-profile SAE step bezel
- Unique light ring for superior night-time illumination
- Immune to over-voltage or incorrect installation
- Front-sealed, dust-proof in rear

GAUGE KIT Part Numbers:

Deluxe 6-Gauge Kit 82218 contents:					
Gauge Type	P/N	Scale	Ø in	Bezel	Sender/Tubing/Connection Included
Speedometer	550BP-D	0-160 MPH	3-3/8"	Polished	Use Existing Mechanical Cable Connection to Transmission (<i>mechanical take-off may be req'd.</i>)
Tachometer	82163	0-8,000 RPM	3-3/8"	Polished	Use Existing Electrical Tach Connection
Oil Pressure	82305	0-100 PSI	2-1/16"	Polished	Electrical Pressure Sender
Water Temperature	82307	100-280 °F	2-1/16"	Polished	Electrical Temperature Sender
Fuel Level	82413	E-1/2-F	2-1/16"	Polished	Electrical Fuel Level Sender (<i>float arm type, 240-33.5 Ohms</i>)
Volts	82309	10-16 VDC	2-1/16"	Polished	Use Existing Connection

NOTES:
Gauge kit above includes gauge mounting hardware.
12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.
For panel kits and other options, please see Accessories section.
See preceding pages for matching gauges.

Wings

- 1940s/1950s “retro” look
- 5 or 6 gauge kits
- White or black dial versions
- Electric gauges
- Electric tachometer
- Choice of mechanical or electrical speedometer



Power Series Instruments

- 1960s “retro” look, modernized
- 5 or 6 gauge kits
- Versions with burgundy, blue/gray or titanium dial accents
- Electric fuel level gauge and voltmeter
- Electric tachometer
- Choice of mechanical or electrical speedometer, oil pressure and water temperature gauges





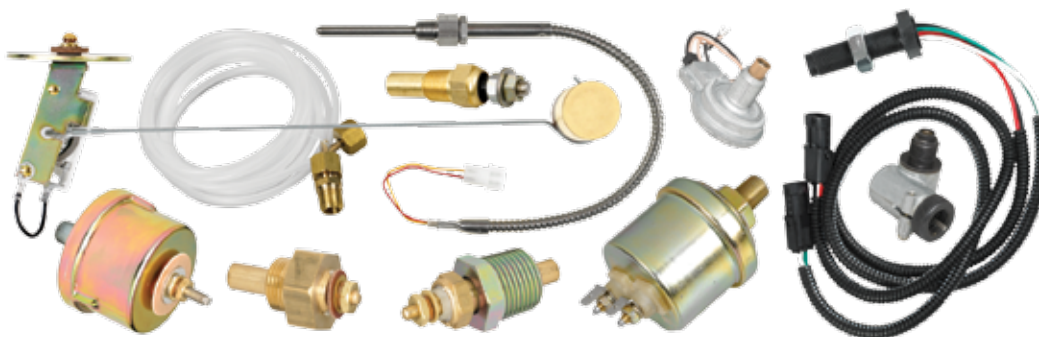
Classic Deluxe oil pressure, water temperature, speedometer, volt and fuel gauges

Heavy Duty – Defined by Stewart Warner.

Stewart Warner Heavy Duty gauges set the industry standard in classic gauge design almost 50 years ago. Ideal for heavy duty and automotive applications alike, these gauges combine distinctive styling with robust construction, including a fully sealed bobbin assembly to house the gauge motor.

Match with Stewart Warner senders for a perfectly tuned “system solution.”

- Bold white graphics on black face dials with white pointers
- Black raised bezel with distinctive brushed bright rim
- 2-1/16" (52 mm) Diesel tach available
- Unique light ring for superior night-time illumination
- Immune to over-voltage or incorrect installation
- Front-sealed, dust-proof in rear



General Specifications:

Physical:

- Sizes:
 - Gauges:* 2-1/16" (52 mm) nominal diameter;
 - Tachometers/Speedometers:* 3-3/8" (85.7 mm) diameter nominal;
 - 2-1/16" (52 mm) Diesel tach also available*
- Movement:
 - Electrical Gauges:* High-torque air-core type, 90° pointer sweep
 - Mechanical Gauges:* Bourdon tube type, 270° pointer sweep
 - Tachometers & Speedometers:* High-torque air-core type or electro-mechanical, 270° pointer sweep
- Bobbin: Sealed, reinforced PBT, internally dampened
- Case Construction:
 - Gauges:* steel, plated (corrosion-protected)
 - Tachs & Speedos:* rugged polymer
- Dials: Aluminum, painted, black
- Pointers: Aluminum, painted white tip, black hub
- Bezels: Black raised design with bright ring

Electrical:

- System voltage: 12V (10-16 VDC) or 24V nominal (20-32 VDC – requires adapter)
- Ohms/resistance: 240-33.5Ω standard Stewart Warner match; 73-10 and 0-90Ω also available
- Lighting: 12V, patented light ring
- Connections: #8-32 studs
- Protected from over-voltage & reverse polarity

Performance:

- General specifications: compliant with SAE and ISO standards
- Accuracy: Per SAE, +/- 1.5 angular degrees at primary calibration points and +/- 3 angular degrees at secondary calibration points based on nominal input

Environmental:

- Operating temperature: -40°C to +85°C
- Storage temperature: -55°C to +85°C
- Sealing: Front sealed IP 66, dustproof in rear
- Compliant: SAE J1810, typical standards for vibration, salt spray

Installation:

- Mounting kit: bracket and hardware
- Panel cut-outs:
 - 2-1/16" (52 mm) Gauges:* 2.098" +/- .02";
 - 3-3/8" (85.7 mm) Tachometers/Speedometers:* 3.4" +/- .02"

Graphics:

- Color scheme: White-on-black graphics with English scale (color keyed dials available on select units)
- Configuration: English graphics

Also Available:

- Matching 2-1/16" diesel tachometer
- Stewart Warner senders for electrical gauges
- Genuine Stewart Warner accessories



More Information:

Consult with your Maximatecc salesperson for additional details about related products.



284A



284M shown



391D-D shown

NOTE: When power to an electrical gauge is turned off, pointer may come to rest at any point on the dial.

GAUGE Part Numbers:

Ammeter

P/N	Model	Scale	Ø in	Type	Bezel	Shunt
284A	Heavy Duty	60-0-60 A	2-1/16"	Standard	Black	Internally Shunted

NOTES:

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See page C6 for matching tachometers and speedometers.

Fuel Level GAUGES

P/N	Model	Scale	Ø in	Ω Ohms	Volts	Bezel	Sender
284M	Heavy Duty	E-1/2-F	2-1/16"	240-33.5	12	Black	Marine *1 See Sender Table
284BS	Heavy Duty	E-1/2-F	2-1/16"	0-90	12	Black	See Sender Table
284BR	Heavy Duty	E-1/2-F	2-1/16"	73-10	12	Black	Non-stock item *2

NOTES:

*1 = Marine version includes additional corrosion protection.

*2 = Contact your Maximatecc salesperson for availability.

See Fuel Level Senders Table below for commonly used senders. For other sending unit options, please see Fuel Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See page C6 for matching tachometers and speedometers.

Fuel Level SENDERS

P/N	Tank Depth	Flange Position *1	Ω Ohms	Ground Type *2
385AB-P	4.5-24"	RH	240-33.5	Common (Stud)
385B-F	6-12"	LH	240-33.5	Common (Stud)
385C-F	6-12"	RH	240-33.5	Common (Stud)
391A-F	10-15"	LH	240-33.5	Common (Stud)
391B-F	10-15"	RH	240-33.5	Common (Stud)
391C-D	15.5-24"	LH	240-33.5	Common (Stud)
391D-D	15.5-24"	RH	240-33.5	Common (Stud)
391PX-D	27-36"	RH	240-33.5	Common (Stud)
114876	Adjustable for 4.5-24"	LH	240-33.5	Common (Stud)
439363-D	15.5-24"	LH	0-90	Common (Stud)
439364-D	15.5-24"	RH	0-90	Common (Stud)

NOTES:

*1 = Fuel sender installations support either a right hand (RH) or left hand (LH) configuration. Fixed arm senders may be available for a custom solution.

*2 = Custom units available for isolated ground, consult with salesperson.

For other sending unit options, please see Fuel Sender section.

GAUGE Part Numbers:

Pressure Gauges – AIR (mechanical)							
P/N	Model	Scale (PSI)	Ø in	Ω Ohms	Volts	Bezel	Type
284N	Heavy Duty	5-100	2-1/16"	N/A	N/A	Black	Mechanical
82331	Heavy Duty	10-150	2-1/16"	N/A	N/A	Black	Mechanical; Dual Air

NOTES:

*1 = Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See page C6 for matching tachometers and speedometers.



284N



82331

Pressure Gauge – FUEL							
P/N	Model	Scale (PSI)	Ø in	Ω Ohms	Volts	Bezel	Type
284E	Heavy Duty	1-15	2-1/16"	240-33.5	N/A	Black	Mechanical/NA *1

NOTES:

*1 = Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See page C6 for matching tachometers and speedometers.



284L



284D

Pressure Gauges – OIL							
P/N	Model	Scale (PSI)	Ø in	Ω Ohms	Volts	Bezel	Type/Sender *1
284L	Heavy Duty	0-100	2-1/16"	?	12	Black	Electrical/ 114875/279B-F *1
284D	Heavy Duty	5-100	2-1/16"	N/A	N/A	Black	Mechanical/NA *2

NOTES:

*1 = For other sending unit options, please see Pressure Sender section.

*2 = Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See page C6 for matching tachometers and speedometers.

GAUGE Part Numbers:



284R



284S



82334

Pressure Gauges – TRANSMISSION OIL (mech.)

P/N	Model	Scale (PSI)	Ø in	Bezel	Type	Tubing
284R	Heavy Duty	20-300	2-1/16"	Black	Mechanical	114840 (6') or 114841 (16') *1
284S	Heavy Duty	25-400	2-1/16"	Black	Mechanical	114840 (6') or 114841 (16') *1

NOTES:

*1 = Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See page C6 for matching tachometers and speedometers.



Pyrometer

P/N	Model	Scale (°F)	Scale Graduation	Ø in	Volts	Bezel	Sender
82334	Heavy Duty	300-1500	°F x 100	2-1/16"	12	Black	82505

NOTES:

For sending unit options, please see the Senders & Sensors section.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See page C6 for matching tachometers and speedometers.

GAUGE Part Numbers:

Speedometers (electrical & mechanical)						
P/N	Model	Scale (MPH)	Ø in	Type	Notes	Sender
550HF-D	Heavy Duty	50-80 mph	3-3/8"	Mechanical	Odometer/High-Beam	N/A
550HH-D	Heavy Duty	0-160 mph	3-3/8"	Mechanical	Odometer	N/A
82642	Heavy Duty	5-85 mph	3-3/8"	Electrical	Programmable; Odometer	82623B

NOTES:

For sending unit options, please see the Senders & Sensors section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See other pages in this section for matching 2" gauges.



550HH-D



82642

Tachometers (electrical & mechanical)						
P/N	Model	Scale (RPM)	Ø in	Type	Notes	Sender
551AHK-D	Heavy Duty	0-3,500	3-3/8"	Mechanical	RPM x 100; .5:1 Ratio	N/A
82171	Heavy Duty	0-8,000	3-3/8"	Electrical	RPM x 1000; 4, 6, and 8 Cylinder	N/A
82641	Heavy Duty	0-3,500	3-3/8"	Electrical	RPM x 100; Flywheel Application	82646
82619	Heavy Duty	0-3,500	3-3/8"	Electrical; Diesel	RPM x 100; 72" Tubing	82623B
82640	Heavy Duty	0-3,500	2-1/16"	Electrical; Diesel	RPM x 100; Alternator Application	280ED-F

NOTES:

For sending unit options, please see the Senders & Sensors section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See other pages in this section for matching 2" gauges.



551AHK-D



82171



82619



82640



284AF



284J



284B72 shown



284H



284AJ

GAUGE Part Numbers:

Temperature Gauges – OIL

P/N	Model	Scale (°F)	Ø in	Bezel	Type	Tubing
284C72	Heavy Duty	140-325 °F	2-1/16"	Black	Mechanical *1	72" Tubing
284C144	Heavy Duty	140-325 °F	2-1/16"	Black	Mechanical *1	144" Tubing

NOTES:

*1 = Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See page C6 for matching tachometers and speedometers.

Temperature Gauges – WATER

P/N	Model	Scale (°F)	Ø in	Bezel	Type	Senders/Tubing
284AF	Heavy Duty	100-230 °F	2-1/16"	Black	Electrical	280EA
284J	Heavy Duty	100-280 °F	2-1/16"	Black	Electrical	280ED-F
284B72	Heavy Duty	100-265 °F	2-1/16"	Black	Mechanical *1	72" Tubing
284B144	Heavy Duty	100-265 °F	2-1/16"	Black	Mechanical *1	144" Tubing

NOTES:

*1 = Tubing included with mechanical gauge kits above. Part number suffix = tubing length (inches) included with gauge (e.g. -72 = 72" tubing.) **WARNING: The tubing on mechanical temperature gauges is gas-filled and cannot be field-altered without damaging the gauge.**

For other sending unit options, please see Temperature Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See page C6 for matching tachometers and speedometers.

Voltmeters

P/N	Model	Scale	Ø in	Volts	Bezel	Type/Notes
284H	Heavy Duty	10-16	2-1/16"	12	Black	Volts w/Color Band
284AJ	Heavy Duty	20-32	2-1/16"	24	Black	Volts w/Color Band

NOTES:

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See page C6 for matching tachometers and speedometers.



Heavy Duty PLUS transmission oil pressure, coolant temperature, tachometer, speedometer, volt and fuel gauges

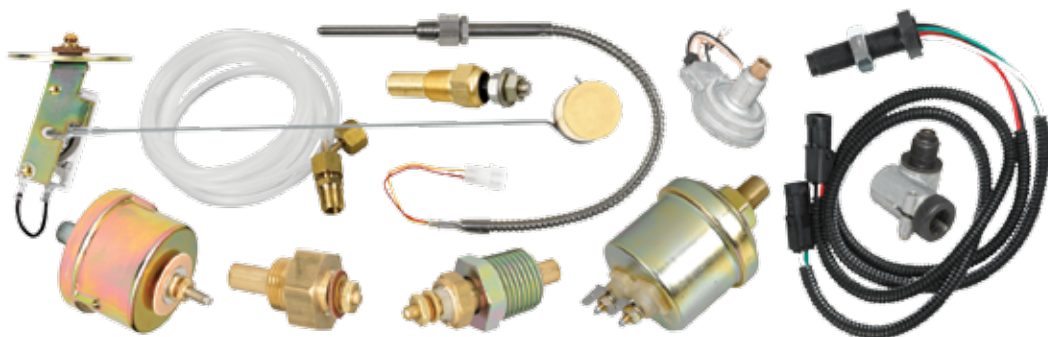
Heavy Duty PLUS – Refined by Stewart Warner.

Stewart Warner Heavy Duty PLUS gauges add a new dimension to our Heavy Duty line with vivid white & green graphics, elegant black low profile bezels and high-visibility green dial illumination.

Ideal for commercial and automotive applications alike, these gauges combine distinctive styling with robust construction, including a fully sealed bobbin assembly to house the gauge motor.

Match with Stewart Warner senders for a perfectly tuned “system solution.”

- Easy-to-read green and white graphics on black with white pointers
- ISO symbols on face dials indicate function being monitored
- High visibility green tinted night-time illumination
- Attractive low profile black bezel
- Available in English and dual scale versions
- Integrated tachometer/hourmeters available
- Immune to over-voltage or incorrect installation
- Front-sealed, dust-proof in rear



General Specifications:

Physical:

- Sizes:
 - Gauges:* 2-1/16" (52 mm) nominal diameter;
 - Tachometers/Speedometers:* 3-3/8" (85.7 mm) diameter nominal
- Movement:
 - Electrical Gauges:* High-torque air-core type, 90° pointer sweep
 - Mechanical Gauges:* Bourdon tube type, 270° pointer sweep
 - Tachometers & Speedometers:* High-torque air-core type or electro-mechanical, 270° pointer sweep
- Bobbin: Sealed, reinforced PBT, internally dampened
- Case Construction:
 - Gauges:* steel, plated (corrosion-protected)
 - Tachs & Speedos:* rugged polymer
- Dials: Aluminum, painted, black
- Pointers: Aluminum, painted white tip, black hub
- Bezels: Black low profile

Electrical:

- System voltage: 12V (10-16 VDC) or 24V nominal (20-32 VDC – requires adapter)
- Ohms/resistance: 240-33.5Ω standard Stewart Warner match
- Lighting: 12V, patented light ring
- Connections: #8-32 studs
- Protected from over-voltage & reverse polarity

Performance:

- General specifications: compliant with SAE and ISO standards
- Accuracy: Per SAE, +/- 1.5 angular degrees at primary calibration points and +/- 3 angular degrees at secondary calibration points based on nominal input

Environmental:

- Operating temperature: -40°C to +85°C
- Storage temperature: -55°C to +85°C
- Sealing: Front sealed IP 66, dustproof in rear
- Compliant: SAE J1810, typical standards for vibration, salt spray

Installation:

- Mounting kit: bracket and hardware
- Panel cut-outs:
 - 2-1/16" (52 mm) Gauges:* 2.098" +/- .02";
 - 3-3/8" (85.7 mm) Tachometers/Speedometers:* 3.4" +/- .02"

Graphics:

- Color scheme: White and green-on-black graphics with English scale and ISO symbols
- Configuration: English graphics on most; dual scale English and Metric on select units

Also Available:

- Combination tachometer/hourmeters
- Stewart Warner senders for electrical gauges
- Genuine Stewart Warner accessories



More Information:

Consult with your Maximatecc salesperson for additional details about related products.

GAUGE Part Numbers:

Air Restriction Gauge (mechanical)

P/N	Model	Scale	Ø in	Type	Bezel	Note
82384	Heavy Duty+	5-40 Hg	2-1/16"	Electrical	Black	Air in H2O vac

NOTES:

Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section, pages C12-C13 for matching tach and speedos.



82384

Ammeter

P/N	Model	Scale	Ø in	Type	Bezel	Shunt
82398	Heavy Duty+	300-0-300 A	2-1/16"	Battery	Black	413717

NOTES:

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section, pages C12-C13 for matching tachs and speedos.



82398

Fuel Level GAUGE

P/N	Model	Scale	Ø in	Ω Ohms	Volts	Bezel	Type/Sender
82378	Heavy Duty+	E-1/2-F	2-1/16"	240-33.5	12	Black	See Sender Table

NOTES:

See Fuel Level Senders Table below for commonly used senders. For other sending unit options, please see Fuel Sender section. Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section, pages C12-C13 for matching tachs and speedos.



82378

Fuel Level SENDERS

P/N	Tank Depth	Flange Position ^{*1}	Ω Ohms	Ground Type ^{*2}
385AB-P	4.5-24"	RH	240-33.5	Common (Stud)
385B-F	6-12"	LH	240-33.5	Common (Stud)
385C-F	6-12"	RH	240-33.5	Common (Stud)
391A-F	10-15"	LH	240-33.5	Common (Stud)
391B-F	10-15"	RH	240-33.5	Common (Stud)
391C-D	15.5-24"	LH	240-33.5	Common (Stud)
391D-D	15.5-24"	RH	240-33.5	Common (Stud)
391PX-D	27-36"	RH	240-33.5	Common (Stud)
114876	Adjustable for 4.5-24"	LH	240-33.5	Common (Stud)

NOTES:

*1 = Fuel sender installations support either a right hand (RH) or left hand (LH) configuration. Fixed arm senders may be available for a custom solution.

*2 = Custom units available for isolated ground, consult with salesperson.

For other sending unit options, please see Fuel Sender section.



391D-D shown

NOTE: When power to an electrical gauge is turned off, pointer may come to rest at any point on the dial.

GAUGE Part Numbers:



82354



82358



82363



82372



82373



82741



82365

Pressure Gauges – OIL

P/N	Model	Scale (PSI)	Ø in	Ω Ohms	Volts	Bezel	Type	Sender
82354	Heavy Duty+	0-80	2-1/16"	240-33.5	12	Black	Elec.	279A or 82892
82358	Heavy Duty+	0-100	2-1/16"	240-33.5	12	Black	Elec.	279B-F or 82893 *1
82363	Heavy Duty+	5-80	2-1/16"	N/A	N/A	Black	Mech.	N/A *2
82372	Heavy Duty+	5-100	2-1/16"	N/A	N/A	Black	Mech.	N/A *2
82373	Heavy Duty+	10-150	2-1/16"	N/A	N/A	Black	Mech.	N/A *2
82728	Heavy Duty+	0-100 PSI/ 0-690 kPa	2-1/16"	240-33.5	12	Black	Elec.	279B-F or 82893 *1
82741	Heavy Duty+	5-100 PSI/ 34-690 kPa	2-1/16"	N/A	N/A	Black	Mech.	N/A *2

NOTES:

*1 = Use 82893 Sender with 100 psi Fuel Pressure Gauges for Marine Applications.

*2 = Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

For other sending unit options, please see Pressure Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages C12-C13 for matching tachometers and speedometers.

Pressure Gauge – TRANSMISSION OIL (mech.)

P/N	Model	Scale (PSI)	Ø in	Ω Ohms	Volts	Bezel	Type
82365	Heavy Duty+	20-300	2-1/16"	N/A	N/A	Black	Mechanical, 114840 (6') or 114841 (16') *1

NOTES:

*1 = Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages C12-C13 for matching tachometers and speedometers.

GAUGE Part Numbers:

Pyrometer							
P/N	Model	Scale (°F)	Scale Graduation	Ø in	Volts	Bezel	Sender
82357	Heavy Duty+	300-1,500	°F x 100	2-1/16"	12	Black	82505

NOTES:

For sending unit options, please see the Senders & Sensors section.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages C12-C13 for matching tachometers and speedometers.



82357

Speedometers (electrical)						
P/N	Model	Scale (MPH/kmh)	Ø in	Type	Notes	Sender
82603	Heavy Duty+	0-30 MPH/ 0-50 kmh	3-3/8"	Electrical	Programmable; Odometer	82623B
82645	Heavy Duty+	5-85 MPH	3-3/8"	Electrical	Programmable; Odometer	82623B or 82646
82658	Heavy Duty+	0-140 kmh	3-3/8"	Electrical	Programmable; Metric Odometer	82623B or 82646

NOTES:

For sending unit options, please see the Senders & Sensors section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See next page for matching tachometers and other pages in this section for matching 2" gauges.



82603



82645



82658



GAUGE Part Numbers:



82643 / 82644



82647



82696

Tachometers (electrical & mechanical)

P/N	Model	Scale (RPM)	Ø in	Type	Notes	Sender
82643	Heavy Duty+	0-3500	3-3/8"	Electrical	Alternator Application	82623B
82644	Heavy Duty+	0-3500	3-3/8"	Electrical	Selectable Ratio .5, 1, 1.5, 2; Flywheel Application	82646
82647	Heavy Duty+	0-3500	3-3/8"	Electrical	Integrated Hourmeter	82623B
82696	Heavy Duty+	0-3000	3-3/8"	Mechanical	.5:1 Ratio/ Hourmeter	N/A

NOTES:

For sending unit options, please see the Senders & Sensors section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See previous page for matching speedometers and other pages in this section for matching 2" gauges.

Temperature Gauges – OIL (electrical)

P/N	Model	Scale (°F or °C)	Ø in	Match	Volts	Bezel	Sender
82731	Heavy Duty+	150 -350 °F / 65-176 °C	2-1/16"	SW	12	Black	280EE-F
82732	Heavy Duty+	150 -350 °F / 65-176 °C	2-1/16"	SW	12	Black	280EE-F
82375	Heavy Duty+	140-320 °F	2-1/16"	SW	12	Black	280EE-F

NOTES:

For other sending unit options, please see Temperature Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages C12-C13 for matching tachometers and speedometers.



82731



82732



82375

GAUGE Part Numbers:

Temperature Gauges – WATER (electrical)						
P/N	Model	Scale (°F or °C)	Ø in	Match	Bezel	Sender
82355	Heavy Duty+	100-265 °F	2-1/16"	SW	Black	280ED-F
82374	Heavy Duty+	100-240 °F	2-1/16"	SW	Black	280EC
82740	Heavy Duty+	100-240 °F/40-115 °C	2-1/16"	SW	Black	280EC

NOTES:

For other sending unit options, please see Temperature Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages C12-C13 for matching tachometers and speedometers.



82355



82374



82740

Voltmeters						
P/N	Model	Scale	Ø in	Volts	Bezel	Type/Notes
82376	Heavy Duty+	10-16	2-1/16"	12	Black	Battery Volts
82377	Heavy Duty+	20-32	2-1/16"	24	Black	Battery Volts

NOTES:

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages C12-C13 for matching tachometers and speedometers.



82376



82377



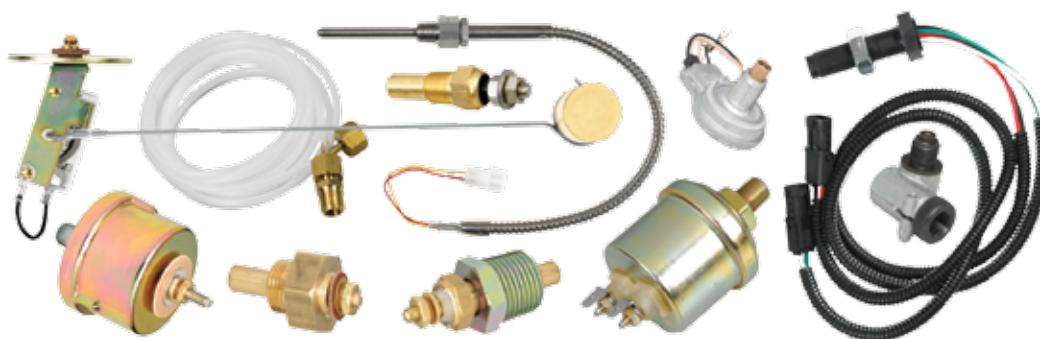
Gauge Line oil pressure, water temperature, oil temperature, transmission oil temperature, fuel level, fuel pressure, vacuum/boost gauges and voltmeter

Stewart Warner Quality that's Surprisingly Affordable.

Stewart Warner "Gauge Line" instruments provide a high-quality, competitively priced solution. The product family includes electrical and mechanical gauges packaged in kit form, in both single- and dual-scale formats. Assembled in a world-class facility, Stewart Warner Gauge Line gauges deliver a lot of bang for the buck.

Match with Stewart Warner senders for a perfectly tuned "system solution."

- Design based on SAE standards for gauges
- Robust electrical performance
- Superior accuracy-upgraded gauge movement
- Premium lighting, exceptional night-time visibility
- New graphics – contemporary & easy-to-read
- Mechanical units include tubing
- Electrical units include sender, if applicable
- Upgraded M5 mounting studs
- 2-year limited warranty (standard SW policy)



General Specifications:

Physical:

- Size: 2-1/16" (52 mm) nominal diameter
- Movement:
 - Electrical Gauges:* High-torque air-core type, 90° pointer sweep
 - Mechanical Gauges:* Bourdon tube type, 270° pointer sweep
- Bobbin: Sealed, internally dampened
- Case Construction: white ABS (for improved overall lighting)
- Dials: Polycarbonate, black, translucent for backlighting
- Pointers: Aluminum, painted vivid orange, black hub
- Bezels: Polished stainless steel SAE step

Electrical:

- System voltage: 12V (10-16 VDC) or 24V nominal (20-32 VDC – requires adapter)
- Ohms/resistance: 240-33.5Ω standard Stewart Warner match (except temperature gauges)
- Lighting: 3/16" bulb, 12V
- Connections: M3 studs, male
- Protected from over-voltage & reverse polarity

Performance:

- General specifications: SAE J1810 compliant
- Accuracy: Per OEM standards, +/- 3 angular degrees at primary calibration points and +/- 5 angular degrees at secondary calibration points

Environmental:

- Operating temperature: -40°C to +85°C
- Storage temperature: -55°C to +85°C
- Sealing: IP 66 front; dustproof in rear
- Compliant: SAE J1810, typical standards for vibration, salt spray

Installation:

- Mounting kit: bracket and hardware
- Panel cut-outs:
 - 2-1/16" (52 mm) Gauges: 2.098" +/- .02";
 - 2-5/8" (67 mm) Gauges: 2.603" +/- .02"

Graphics:

- Color scheme: White-on-black graphics with English scale
- Configuration: English graphics on most; dual scale English and Metric on select units

Also Available:

- Stewart Warner senders for electrical gauges
- Genuine Stewart Warner accessories



More Information:

Consult with your Maximatecc salesperson for additional details about related products.



122258



391D-D shown



122266



122278

GAUGE Part Numbers:

Fuel Level GAUGE

P/N	Model	Scale	Ø in	Ω Ohms	Volts	Bezel	Type/Sender
122258	Gauge Line	E-1/2-F	2-1/16"	240-33.5	12	Polished Step	See Sender Table

NOTES:

See Fuel Level Senders Table below for commonly used senders. For other sending unit options, please see Fuel Sender section.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately, reference P/Ns 122001 (12V) and 122335 (24V.) Other light kits listed in the Accessories section are NOT compatible with Gauge Line.

For panel kits and other options, please see Accessories section.

Fuel Level SENDERS

P/N	Tank Depth	Flange Position ^{*1}	Ω Ohms	Ground Type ^{*2}
385AB-P	4.5-24"	RH	240-33.5	Common (Stud)
385B-F	6-12"	LH	240-33.5	Common (Stud)
385C-F	6-12"	RH	240-33.5	Common (Stud)
391A-F	10-15"	LH	240-33.5	Common (Stud)
391B-F	10-15"	RH	240-33.5	Common (Stud)
391C-D	15.5-24"	LH	240-33.5	Common (Stud)
391D-D	15.5-24"	RH	240-33.5	Common (Stud)
391PX-D	27-36"	RH	240-33.5	Common (Stud)
114876	Adjustable for 4.5-24"	LH	240-33.5	Common (Stud)

NOTES:

*1 = Fuel sender installations support either a right hand (RH) or left hand (LH) configuration. Fixed arm senders may be available for a custom solution.

*2 = Custom units available for isolated ground, consult with salesperson.

For other sending unit options, please see Fuel Sender section.

Pressure Gauges – FUEL

P/N	Model	Scale (PSI)	Ø in	Ω Ohms	Volts	Bezel	Type/Sender
122266	Gauge Line	1-100	2-1/16"	N/A	N/A	Polished Step	Mechanical/NA ^{*1}
122278	Gauge Line	1-100/0-6 bar	2-1/16"	N/A	N/A	Polished Step	Mechanical/NA ^{*1}

NOTES:

*1 = Mechanical gauge kits include 96" tubing and fittings. Use tubing kit P/N 122179 (96") with Gauge Line mechanical pressure gauges. Other tubing kits listed in the Senders section are NOT compatible with Gauge Line.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately, reference P/Ns 122001 (12V) and 122335 (24V.) Other light kits listed in the Accessories section are NOT compatible with Gauge Line.

For panel kits and other options, please see Accessories section.

NOTE: When power to an electrical gauge is turned off, pointer may come to rest at any point on the dial.

GAUGE Part Numbers:

Pressure Gauges – OIL								
P/N	Model	Scale (PSI)	Ø in	Ω Ohms	Volts	Bezel	Type	Sender
122256	Gauge Line	0-100	2-1/16"	240-33.5	12	Polished Step	Electrical	279B-F, 114875 or 122563
122259	Gauge Line	0-100	2-1/16"	N/A	N/A	Polished Step	Mech.	N/A*1
122264	Gauge Line	0-150	2-1/16"	240-33.5	12	Polished Step	Electrical	279C or 122564
122265	Gauge Line	0-150	2-1/16"	N/A	N/A	Polished Step	Mech.	N/A*1
122271	Gauge Line	0-100/ 0-6 bar	2-1/16"	N/A	N/A	Polished Step	Mech.	N/A*1
122273	Gauge Line	0-100/ 0-6 bar	2-1/16"	240-33.5	12	Polished Step	Electrical	279B-F, 114875 or 122563
122276	Gauge Line	0-150/ 0-10 bar	2-1/16"	240-33.5	12	Polished Step	Electrical	279C or 122564
122277	Gauge Line	0-150/ 0-10 bar	2-1/16"	N/A	N/A	Polished Step	Mech.	N/A*1

NOTES:

*1 = Mechanical gauge kits include 96" tubing and fittings. Use tubing kit P/N 122179 (96") with Gauge Line mechanical pressure gauges. Other tubing kits listed in the Senders section are NOT compatible with Gauge Line. Electrical kits include 1/8"-27 NPT Pressure Sender with a 240-33.5 Ohms resistance.

For other sending unit options, please see Pressure Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately, reference P/Ns 122001 (12V) and 122335 (24V.) Other light kits listed in the Accessories section are NOT compatible with Gauge Line.

For panel kits and other options, please see Accessories section.



122256



122259



122264



122265



122271



122273



122276



122277

GAUGE Part Numbers:



122267



122268

Temperature Gauges – OIL							
P/N	Model	Scale (°F or °C)	Ø in	Match	Volts	Bezel	Type/Tubing/ Sender
122267	Gauge Line	140-320°F	2-1/16"	Gauge Line	12	Polished Step	Electrical/ 122038 *1
122268	Gauge Line	140-320°F	2-1/16"	N/A	N/A	Polished Step	Mechanical/ 96" Tubing *2
122279	Gauge Line	140-320°F/ 60-160°C	2-1/16"	Gauge Line	12	Polished Step	Electrical/ 122038 *1
122280	Gauge Line	140-320°F/ 60-160°C	2-1/16"	N/A	N/A	Polished Step	Mechanical/ 96" Tubing *2

NOTES:

*1 = All gauge kits include 1/8"-27 NPT Temperature Sender P/N 122038 with a "Gauge Line" resistance range. *Other temperature senders listed in the Senders section are NOT compatible with Gauge Line.*

*2 = Mechanical temperature gauge kits include 96" tubing and fittings. **WARNING: The tubing on mechanical temperature gauges is gas-filled and cannot be field-altered without damaging the gauge.**

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately, reference P/Ns 122001 (12V) and 122335 (24V.) *Other light kits listed in the Accessories section are NOT compatible with Gauge Line.*

For panel kits and other options, please see Accessories section.



122279



122280



122269

Temp. Gauges – TRANSMISSION OIL (electrical)							
P/N	Model	Scale (°F or °C)	Ø in	Match	Volts	Bezel	Sender
122269	Gauge Line	140-320°F	2-1/16"	Gauge Line	12	Polished Step	122038 *1
122281	Gauge Line	140-320°F/ 60-160°C	2-1/16"	Gauge Line	12	Polished Step	122038 *1

NOTES:

*1 = All gauge kits include 1/8"-27 NPT Temperature Sender P/N 122038 with a "Gauge Line" resistance range. *Other temperature senders listed in the Senders section are NOT compatible with Gauge Line.*

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately, reference P/Ns 122001 (12V) and 122335 (24V.) *Other light kits listed in the Accessories section are NOT compatible with Gauge Line.*

For panel kits and other options, please see Accessories section.



122281

GAUGE Part Numbers:

Temperature Gauges – WATER						
P/N	Model	Scale (°F or °C)	Ø in	Match	Bezel	Type/Tubing/ Sender
122255	Gauge Line	100-250°F	2-1/16"	Gauge Line	Polished Step	Electrical/ 122038 ^{*1}
122260	Gauge Line	100-250°F	2-1/16"	N/A	Polished Step	Mechanical/ 96" Tubing ^{*2}
122272	Gauge Line	100-250°F/ 40-120°C	2-1/16"	Gauge Line	Polished Step	Electrical/ 122038 ^{*1}
122270	Gauge Line	100-250°F/ 40-120°C	2-1/16"	N/A	Polished Step	Mechanical/ 96" Tubing ^{*2}

NOTES:

*1 = All gauge kits include 1/8"-27 NPT Temperature Sender P/N 122038 with a "Gauge Line" resistance range. Other temperature senders listed in the Senders section are NOT compatible with Gauge Line.

*2 = Mechanical temperature gauge kits include 96" tubing and fittings. WARNING: The tubing on mechanical temperature gauges is gas-filled and cannot be field-altered without damaging the gauge.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately, reference P/Ns 122001 (12V) and 122335 (24V.) Other light kits listed in the Accessories section are NOT compatible with Gauge Line.

For panel kits and other options, please see Accessories section.



122255



122260



122270



122272

Vacuum/Boost Gauge (mechanical only)						
P/N	Model	Scale ^{*1}	Ø in	Type	Bezel	Tubing ^{*2}
122261	Gauge Line	0-30 In-Hg/ 0-30 PSI	2-1/16"	Mechanical	Polished Step	(Tee may be required)

NOTES:

*1 = Scale indicates vacuum in In-Hg and boost in PSI, as measured by gauge.

*2 = Mechanical gauge kits include 96" tubing and fittings. Tee fitting may be required. Other tubing kits listed in the Senders section are NOT compatible with Gauge Line.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately, reference P/Ns 122001 (12V) and 122335 (24V.) Other light kits listed in the Accessories section are NOT compatible with Gauge Line.

For panel kits and other options, please see Accessories section.



122261



122257

Voltmeter						
P/N	Model	Scale	Ø in	Volts	Bezel	Type/Notes
122257	Gauge Line	8-18	2-1/16"	12	Polished Step	Volts Only

NOTES:

Gauge kit above includes gauge mounting hardware.

12V light kits are sold separately, reference P/N 122001. Other light kits listed in the Accessories section are NOT compatible with Gauge Line.

For panel kits and other options, please see Accessories section.



Classic Standard oil pressure, water temperature, ammeter, fuel gauges



Standard PLUS 3-gauge panel

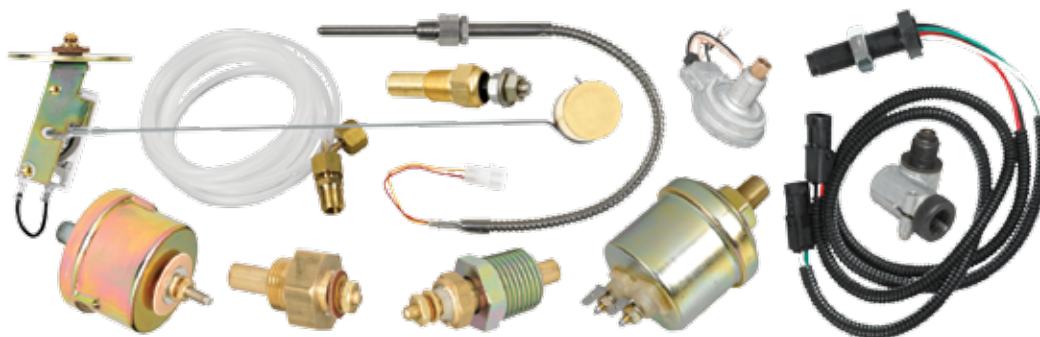
The Real Deal.

Standard instruments feature timeless white-on-black graphics, white pointers and flat stainless steel corrosion-resistant bezels. As Standard PLUS, they are available in 1-, 2- & 3-gauge mounting panels with external lighting.

These gauges are ideal for industrial applications, engine-powered equipment and specialty vehicles, especially where pricing is a factor.

Match with Stewart Warner senders for a perfectly tuned "system solution."

- Classic white graphics on black face dial with white pointer
- Flat bright stainless steel bezel
- Popular mechanism for proven performance in 2-1/32" diameter case (same size as original versions!)
- Standard gauges are housed in a sealed, non-illuminated case
- Standard Plus kits are clamshell packaged in single, double, and triple gauge mounting panels with external lighting



General Specifications:

Physical:

- Size: 2-1/32" (51.5 mm) nominal diameters;
- Movement:
 - Fuel:* High-torque air-core type, 90° pointer sweep
 - Ammeters:* 60° pointer sweep
 - Mechanical Gauges:* Bourdon tube type, 60° pointer sweep
- Bobbin: Sealed, reinforced PBT, internally dampened
- Case Construction:
 - Gauges:* steel, plated (corrosion-protected)
 - Tachs & Speedos:* rugged polymer
- Dials: Aluminum, painted, black
- Pointers: Aluminum, painted white (fuel gauge: white tip with black hub)
- Bezels: Polished stainless steel SAE step

Electrical:

- System voltage: 12V (10-16 VDC)
- Ohms/resistance: 240-33.5Ω standard Stewart Warner match
- Lighting: available when panel mounted (Standard PLUS configuration only)
- Protected from over-voltage & reverse polarity

Performance:

- General specifications: compliant with SAE and ISO standards
- Accuracy: Per SAE, +/- 1.5 angular degrees at primary calibration points and +/- 3 angular degrees at secondary calibration points based on nominal input

Environmental:

- Operating temperature: -40°C to +85°C
- Storage temperature: -55°C to +85°C
- Sealing:
 - Standard:* Front sealed IP 66, dustproof in rear
 - Standard PLUS:* Front sealed IP 66
- Compliant: SAE J1810, typical standards for vibration, salt spray

Installation:

- Mounting kit: bracket and hardware
- Panel cut-out: 2.063" +/- .02"

Graphics:

- Color scheme: White-on-black English graphics with English scale

Also Available:

- Stewart Warner senders for electrical gauges
- Genuine Stewart Warner accessories



More Information:

Consult with your Maximatecc salesperson for additional details about related products.

GAUGE Part Numbers:



82200



82201



82202

Ammeters

P/N	Model	Scale	Ø in	Type	Bezel	Shunt
82200	Standard	30-0-30	2-1/32"	Standard	Polished	Internally Shunted
82201	Standard	20-0-20	2-1/32"	Standard	Polished	Internally Shunted
82202	Standard	60-0-60	2-1/32"	Standard	Polished	Internally Shunted

NOTES:

All gauge kits above include gauge mounting hardware.

These gauges are not illuminated unless purchased as part of Standard PLUS panel kits.

For panel kits and other options, please see Accessories section.

NOTE: When power to an electrical gauge is turned off, pointer may come to rest at any point on the dial.



82211

Fuel Level GAUGE

P/N	Model	Scale	Ø in	Ω Ohms	Volts	Bezel	Type/Sender
82211	Standard	E-1/2-F	2-1/32"	240-33.5	12	Polished	See Senders Table

NOTES:

See Fuel Level Senders Table below for commonly used senders. For other sending unit options, please see Fuel Sender section.

Gauge kit above includes gauge mounting hardware.

Standard gauges are not illuminated unless purchased as part of Standard PLUS panel kits.

For panel kits and other options, please see Accessories section.

Fuel Level SENDERS

P/N	Tank Depth	Flange Position ^{*1}	Ω Ohms	Ground Type ^{*2}
385AB-P	4.5-24"	RH	240-33.5	Common (Stud)
385B-F	6-12"	LH	240-33.5	Common (Stud)
385C-F	6-12"	RH	240-33.5	Common (Stud)
391A-F	10-15"	LH	240-33.5	Common (Stud)
391B-F	10-15"	RH	240-33.5	Common (Stud)
391C-D	15.5-24"	LH	240-33.5	Common (Stud)
391D-D	15.5-24"	RH	240-33.5	Common (Stud)
391PX-D	27-36"	RH	240-33.5	Common (Stud)
114876	Adjustable for 4.5-24"	LH	240-33.5	Common (Stud)

NOTES:

^{*1} = Fuel sender installations support either a right hand (RH) or left hand (LH) configuration. Fixed arm senders may be available for a custom solution.

^{*2} = Custom units available for isolated ground, consult with salesperson.

For other sending unit options, please see Fuel Sender section.



391D-D shown

GAUGE Part Numbers:

Temperature Gauges – WATER

P/N	Model	Scale (°F or °C)	Ø in	Type	Bezel	Tubing
82210-36	Standard	100-250 °F	2-1/32"	Mechanical	Polished	Length: 36"
82210-48	Standard	100-250 °F	2-1/32"	Mechanical	Polished	Length: 48"
82210-60	Standard	100-250 °F	2-1/32"	Mechanical	Polished	Length: 60"
82210-72	Standard	100-250 °F	2-1/32"	Mechanical	Polished	Length: 72"
82210-144	Standard	100-250 °F	2-1/32"	Mechanical	Polished	Length: 144"

NOTES:

Tubing included with mechanical gauge kits above. Part number suffix = tubing length (inches) included with gauge (e.g. -72 = 72" tubing.) **WARNING:** The tubing on mechanical temperature gauges is gas-filled and cannot be field-altered without damaging the gauge.

All gauge kits above include gauge mounting hardware.

Standard gauges are not illuminated unless purchased as part of Standard PLUS panel kits.

For panel kits and other options, please see Accessories section.



82210-XX



82207



82208



82209

Pressure Gauges – OIL (mechanical)

P/N	Model	Scale (PSI)	Ø in	Ω Ohms	Volts	Bezel	Type	Tubing
82207	Standard	0-50	2-1/32"	240-33.5	12	Polished	Mechanical	114840 (6') or 114841 (16')
82208	Standard	0-80	2-1/32"	240-33.5	12	Polished	Mechanical	114840 (6') or 114841 (16')
82209	Standard	0-100	2-1/32"	240-33.5	12	Polished	Mechanical	114840 (6') or 114841 (16')

NOTES:

Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

All gauge kits above include gauge mounting hardware.

Standard gauges are not illuminated unless purchased as part of Standard PLUS panel kits.

For panel kits and other options, please see Accessories section.

STANDARD PLUS Panels with External Lighting

P/N	Range	Model	Type	Note
82213B (Special Order)	0-100 PSI	Single	Mechanical Oil Pressure	6 ft. tubing kit w/fittings and 12V lighting
82216B	0-100 PSI; 100-250 °F	Double	Pressure/ Temperature	6 ft. tubing kit w/fittings and 12V lighting
82217B	60-0-60A; 0-100 PSI; 100-250 °F	Triple	Ammeter/ Pressure/ Temperature	6 ft. tubing kit w/fittings and 12V lighting

KITS INCLUDE: Mounting panel and hardware, light kit installation instructions and additional accessories as indicated above. **WARNING:** The tubing on mechanical temperature gauges is gas-filled and cannot be field-altered without damaging the gauge.



82213B



82216B



82217B



Classic Wings water temperature, oil pressure, tachometer, speedometer, fuel and volt gauges

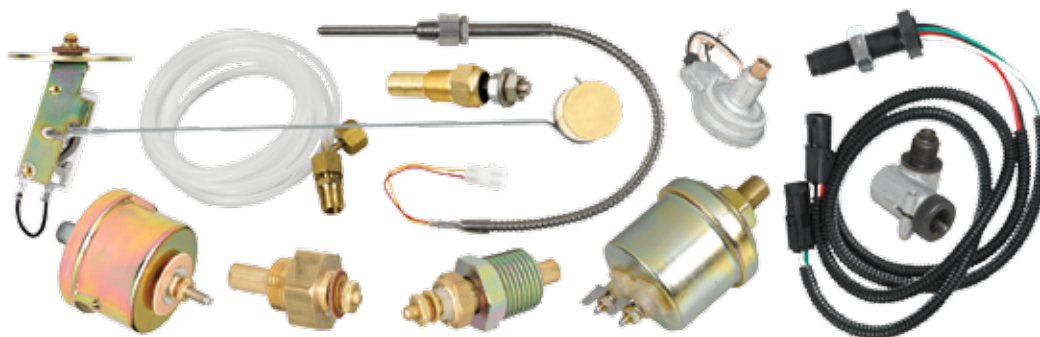
1940s “Retro” Styling – Modern Engineering.

Wings™ is a blast from the past featuring our famous 1940s Wings logo, domed lens, unique teardrop pointer and stainless steel bezels with white or black dials – with the quality and reliability of modern Stewart Warner products!

These are ideal for street rods, classic cars or trucks and automotive enthusiasts everywhere and are also available as point-of-purchase kits with senders for easy installation.

Match with Stewart Warner senders for a perfectly tuned “system solution.”

- Nostalgic styling from the '40s and '50s, but with reliable modern construction
- Distinctive SW Wings logo, teardrop pointer with crescent moon tail
- Available versions include: white dial with black graphics or the reverse – black dial with white graphics
- Low-profile chrome bezel, convex glass lenses
- Excellent night-time illumination
- Immune to over-voltage or incorrect installation
- Front-sealed, dust-proof in rear



General Specifications:

Physical:

- Sizes:
 - Gauges:* 2-1/16" (52 mm) nominal diameter;
 - Tachometers/Speedometers:* 3-3/8" (85.7 mm) diameter nominal
- Movement:
 - Electrical Gauges:* High-torque air-core type, 90° pointer sweep
 - Mechanical Gauges:* Bourdon tube type, 270° pointer sweep
 - Tachometers & Speedometers:* High-torque air-core type or electro-mechanical, 270° pointer sweep
- Bobbin: Sealed, reinforced PBT, internally dampened
- Case Construction:
 - Gauges:* steel, plated (corrosion-protected)
 - Tachs & Speedos:* rugged polymer
- Dials: Aluminum, painted, black or white
- Pointers: white or black
- Bezels: Polished stainless steel SAE step

Electrical:

- System voltage: 12V (10-16 VDC) or 24V nominal (20-32 VDC – requires adapter)
- Ohms/resistance: 240-33.5Ω standard Stewart Warner match; 73-10 and 0-90Ω also available
- Lighting: 12V, patented light ring
- Connections: #8-32 studs
- Protected from over-voltage & reverse polarity

Performance:

- General specifications: compliant with SAE and ISO standards
- Accuracy: Per SAE, +/- 1.5 angular degrees at primary calibration points and +/- 3 angular degrees at secondary calibration points based on nominal input

Environmental:

- Operating temperature: -40°C to +85°C
- Storage temperature: -55°C to +85°C
- Sealing: Front sealed IP 66, dustproof in rear
- Compliant: SAE J1810, typical standards for vibration, salt spray

Installation:

- Mounting kit: bracket and hardware
- Panel cut-outs:
 - 2-1/16" (52 mm) Gauges:* 2.098" +/- .02";
 - 3-3/8" (85.7 mm) Tachometers/Speedometers:* 3.4" +/- .02"

Graphics:

- Color scheme: White-on-black or black-on-white graphics with English scale; contrasting pointer
- Configuration: English graphics

Also Available:

- Stewart Warner senders for electrical gauges
- Genuine Stewart Warner accessories



More Information:

Consult with your Maximatecc salesperson for additional details about related products.

GAUGE Part Numbers:



82471



82472



82493



82494



391D-D shown

NOTE: When power to an electrical gauge is turned off, pointer may come to rest at any point on the dial.

Fuel Level GAUGES

P/N	Model	Scale	Ø in	Ω Ohms	Volts	Bezel/ Dial	Type/Sender
82471	Wings	E-1/2-F	2-1/16"	240-33.5	12	Polished/ White	See Sender Table
82472	Wings	E-1/2-F	2-1/16"	240-33.5	12	Polished/ Black	See Sender Table
82493	Wings	E-1/2-F	2-1/16"	0-90	12	Polished/ White	See Sender Table
82494	Wings	E-1/2-F	2-1/16"	0-90	12	Polished/ Black	See Sender Table

NOTES:

See Fuel Level Senders Table below for commonly used senders. For other sending unit options, please see Fuel Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages F5-F6 for matching tachometers and speedometers.

Fuel Level SENDERS

P/N	Tank Depth	Flange Position ^{*1}	Ω Ohms	Ground Type ^{*2}
385AB-P	4.5-24"	RH	240-33.5	Common (Stud)
385B-F	6-12"	LH	240-33.5	Common (Stud)
385C-F	6-12"	RH	240-33.5	Common (Stud)
391A-F	10-15"	LH	240-33.5	Common (Stud)
391B-F	10-15"	RH	240-33.5	Common (Stud)
391C-D	15.5-24"	LH	240-33.5	Common (Stud)
391D-D	15.5-24"	RH	240-33.5	Common (Stud)
391PX-D	27-36"	RH	240-33.5	Common (Stud)
114876	Adjustable for 4.5-24"	LH	240-33.5	Common (Stud)
439363-D	15.5-24"	LH	0-90	Common (Stud)
439364-D	15.5-24"	RH	0-90	Common (Stud)

NOTES:

*1 = Fuel sender installations support either a right hand (RH) or left hand (LH) configuration. Fixed arm senders may be available for a custom solution.

*2 = Custom units available for isolated ground, consult with salesperson.

For other sending unit options, please see Fuel Sender section.

GAUGE Part Numbers:

Pressure Gauges – AIR (mechanical)						
P/N	Model	Scale (PSI)	Ø in	Bezel/Dial	Type	Tubing Kit
82487	Wings	10-150	2-1/16"	Polished/White	Mechanical	114840 (6') or 114841 (16')
82488	Wings	10-150	2-1/16"	Polished/Black	Mechanical	114840 (6') or 114841 (16')

NOTES:

Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages F5-F6 for matching tachometers and speedometers.



82487



82488

Pressure Gauges – AIR SUSPENSION (mech.)						
P/N	Model	Scale (PSI)	Ø in	Bezel/Dial	Type	Tubing Kit
82483	Wings	2-100	2-1/16"	Polished/White	Mechanical	114840 (6') or 114841 (16')
82484	Wings	2-100	2-1/16"	Polished/Black	Mechanical	114840 (6') or 114841 (16')

NOTES:

Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

All gauge kits above include gauge mounting hardware.

No light kits are available for this gauge.

For panel kits and other options, please see Accessories section.

See pages F5-F6 for matching tachometers and speedometers.



82483



82484



82474



82475



82661



82662

GAUGE Part Numbers:

Pressure Gauges – OIL

P/N	Model	Scale (PSI)	Ø in	Ω Ohms	Volts	Bezel/Dial	Type	Sender/Tubing
82473	Wings	0-80	2-1/16"	240-33.5	12	Polished/White	Elec.	279A
82474	Wings	0-80	2-1/16"	240-33.5	12	Polished/Black	Elec.	279A
82475	Wings	0-80	2-1/16"	N/A	N/A	Polished/White	Mech.	114840 (6') or 114841 (16')
82476	Wings	0-80	2-1/16"	N/A	N/A	Polished/Black	Mech.	114840 (6') or 114841 (16')

NOTES:

Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

For other sending unit options, please see Pressure Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages F5-F6 for matching tachometers and speedometers.

Pyrometer

P/N	Model	Scale (°F)	Scale Graduation	Ø in	Volts	Bezel/Dial	Sender
82485 (Special Order)	Wings	300-1500	°F x 100	2-1/16"	12	Polished/White	82505

NOTES:

For sending unit options, please see the Senders & Sensors section.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages F5-F6 for matching tachometers and speedometers.

Speedometers (electrical & mechanical)

P/N	Model	Scale (MPH/)	Ø in	Type	Bezel/Dial	Sender
82661	Wings	0-160	3-3/8"	Electrical	Polished/White	Varies ^{*1}
82662	Wings	0-160	3-3/8"	Electrical	Polished/Black	Varies ^{*1}
82663	Wings	0-160	3-3/8"	Mechanical	Polished/White	N/A
82664	Wings	0-160	3-3/8"	Mechanical	Polished/Black	N/A
82669	Wings	0-120	3-3/8"	Electrical	Polished/White	Varies ^{*2}
82670	Wings	0-120	3-3/8"	Electrical	Polished/Black	Varies ^{*2}

NOTES:

^{*1} = Mechanical take-off applications require sender 114878; Tone/Flywheel applications require sender 82646.

^{*2} = Mechanical take-off applications require sender 82527; Tone/Flywheel applications require sender 82646.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See next page for matching tachometers and other pages in this section for matching 2" gauges.

GAUGE Part Numbers:

Speedometers (continued)



82663



82669



82670

Tachometers (electrical)						
P/N	Model	Scale (RPM)	Ø in	Type	Bezel/Dial	Notes
82659	Wings	0-8,000	3-3/8"	Electrical	Polished/White	4, 6, 8-cylinder
82660	Wings	0-8,000	3-3/8"	Electrical	Polished/Black	4, 6, 8-cylinder
82671	Wings	0-3,500	3-3/8"	Electrical	Polished/White	Varies *1
82672	Wings	0-3,500	3-3/8"	Electrical	Polished/Black	Varies *1

NOTES:

*1 = Programmable for alternator; or order sender 114878 for mechanical take-off applications.

For sending unit options, please see the Senders & Sensors section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See previous page for matching speedometers and other pages in this section for matching 2" gauges.



82659



82660



82671



82672



82489



82477



82478



82480-72

GAUGE Part Numbers:

Temperature Gauges – OIL

P/N	Model	Scale (°F)	Ø in	Match	Volts	Bezel/Dial	Sender
82489	Wings	140-320	2-1/16"	SW	12	Polished/White	Electrical/280EE-F
82490	Wings	140-320	2-1/16"	SW	12	Polished/Black	Electrical/280EE-F

NOTES:

For other sending unit options, please see Temperature Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages F5-F6 for matching tachometers and speedometers.

Temperature Gauges – WATER

P/N	Model	Scale (°F)	Ø in	Match	Bezel/Dial	Type/Tubing/Sender *1 *2
82477	Wings	100-240	2-1/16"	SW	Polished/White	Electrical/280EC
82478	Wings	100-240	2-1/16"	SW	Polished/Black	Electrical/280EC
82479-72	Wings	100-265	2-1/16"	SW	Polished/White	Mechanical/72" Capillary *1
82480-72	Wings	100-265	2-1/16"	SW	Polished/Black	Mechanical/72" Capillary *1

NOTES:

*1 = Tubing included with mechanical gauge kits above. Part number suffix = tubing length (inches) included with gauge (e.g. -72 = 72" tubing.) **WARNING: The tubing on mechanical temperature gauges is gas-filled and cannot be field-altered without damaging the gauge.**

For other sending unit options, please see Temperature Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages F5-F6 for matching tachometers and speedometers.

GAUGE Part Numbers:

Voltmeters						
P/N	Model	Scale	Ø in	Volts	Bezel/Dial	Type/Notes
82481	Wings	10-16	2-1/16"	12	Polished/White	Battery Charge Volts
82482	Wings	10-16	2-1/16"	12	Polished/Black	Battery Charge Volts

NOTES:
 All gauge kits above include gauge mounting hardware.
 12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.
 For panel kits and other options, please see Accessories section.
 See pages F5-F6 for matching tachometers and speedometers.



82481



82482

WINGS GAUGE KITS:



Dashboard in a Box!

Stewart Warner Wings™ automotive gauge sets are available in convenient kit form for automotive applications. Each kit contains the essential instrument panel gauges. Other matching gauges available...please see previous pages.

And they're matched with Stewart Warner senders for a perfectly tuned "system solution."

- White or black dials with SW Wings logo and teardrop pointer with crescent moon tail
- Low-profile SAE step bezel
- Unique light ring for superior night-time illumination
- Immune to over-voltage or incorrect installation
- Front-sealed, dust-proof in rear

GAUGE KIT Part Numbers:



82228 shown

Genuine Wings 5-Gauge Kit (Electrical) kit contents: 82228 (White) – 82229 (Black)

Gauge Type	P/N White	P/N Black	Scale	Ø in	Bezel	Sender/Tubing/Connection Included
Electric Oil Pressure	82473	82474	0-80 PSI	2-1/16"	Polished	Electrical Pressure Sender
Electric Water Temperature	82477	82478	100-240 °F	2-1/16"	Polished	Electrical Temperature Sender
Electric Fuel Level	82471	82472	E-1/2-F	2-1/16"	Polished	Electrical Fuel Level Sender (float arm type, 240-33.5 Ohms)
Electric Voltmeter	82481	82482	10-16V	2-1/16"	Polished	Use Existing Connection
Electric Speedometer	82661	82662	0-160 MPH	3-3/8"	Polished	Use Existing Connection (additional components may be required.)



Genuine Wings 5-Gauge Kit (Mechanical Speedometer) kit contents: 82226 (White) – 82227 (Black)

Gauge Type	P/N White	P/N Black	Scale	Ø in	Bezel	Sender/Tubing/Connection Included
Electric Oil Pressure	82473	82474	0-80 PSI	2-1/16"	Polished	Electrical Pressure Sender
Electric Water Temperature	82477	82478	100-240 °F	2-1/16"	Polished	Electrical Temperature Sender
Electric Fuel Level	82471	82472	E-1/2-F	2-1/16"	Polished	Electrical Fuel Level Sender (float arm type, 240-33.5 Ohms)
Electric Voltmeter	82481	82482	10-16V	2-1/16"	Polished	Use Existing Connection
Mechanical Speedometer	82663	82664	0-160 MPH	3-3/8"	Polished	Use Existing Mechanical Cable Connection to Transmission (mechanical take-off may be req'd.)

NOTES:

Gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See preceding pages for matching gauges.

GAUGE KIT Part Numbers:



Genuine Wings 6-Gauge Kit (Electrical) kit contents: 82222 (White) – 82223 (Black)

Gauge Type	P/N White	P/N Black	Scale	Ø in	Bezel	Sender/Tubing/Connection Included
Electric Oil Pressure	82473	82474	0-80 PSI	2-1/16"	Bezel	Electrical Pressure Sender
Electric Water Temperature	82477	82478	100-240 °F	2-1/16"	Bezel	Electrical Temperature Sender
Electric Fuel Level	82471	82472	E-1/2-F	2-1/16"	Bezel	Electrical Fuel Level Sender (float arm type, 240-33.5 Ohms)
Electric Voltmeter	82481	82482	10-16V	2-1/16"	Bezel	Use Existing Connection
Electric Tachometer	82659	82660	0-8,000 rpm	3-3/8"	Bezel	Use Existing Connection
Electric Speedometer	82661	82662	0-160 MPH	3-3/8"	Bezel	Use Existing Connection (additional components may be required.)



Genuine Wings 6-Gauge Kit (Mechanical Speedometer) kit contents: 82224 (White) – 82225 (Black)

Gauge Type	P/N White	P/N Black	Scale	Ø in	Bezel	Sender/Tubing/Connection Included
Mechanical Oil Pressure	82475	82476	0-80 PSI	2-1/16"	Bezel	114840 (6 ft. tube) or 114841 (16 ft. tube)
Mechanical Water Temperature	82479-72	82480-72	100-240 °F	2-1/16"	Bezel	Mechanical/ 72" Capillary
Electric Fuel Level	82471	82472	E-1/2-F	2-1/16"	Bezel	Electrical Fuel Level Sender (float arm type, 240-33.5 Ohms)
Electric Voltmeter	82481	82482	10-16V	2-1/16"	Bezel	Use Existing Connection
Electric Tachometer	82659	82660	0-8,000 rpm	3-3/8"	Bezel	Use Existing Connection
Mechanical Speedometer	82663	82664	0-160 MPH	3-3/8"	Bezel	Use Existing Mechanical Cable Connection to Transmission (mechanical take-off may be req'd.)

NOTES:

Gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See preceding pages for matching gauges.



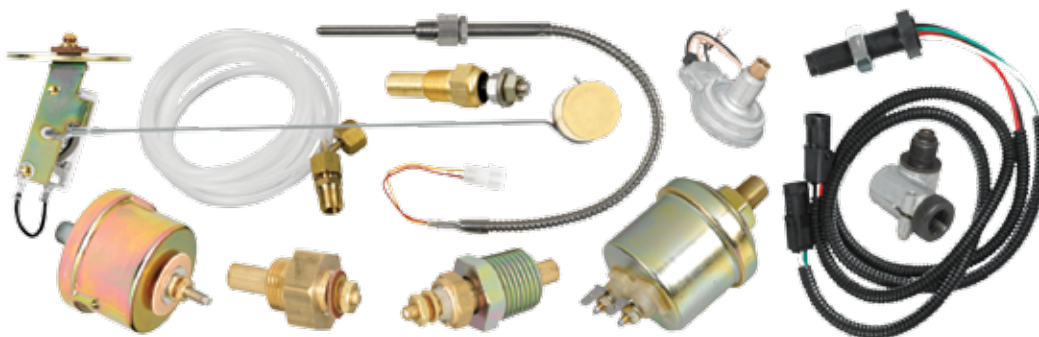
Power Series gauges with **burgundy**, **blue/gray** and **titanium** highlights: voltmeter, speedometer, oil pressure, water temperature, tachometer, and fuel gauges

Power Series: A Modern Classic.

Electrical & mechanical instruments with 1960s styling cues – a refinement of the original SW Custom-Deluxe product line used on “Big 3” muscle cars. Available with burgundy, titanium or blue/gray accent colors, Power Series™ features silver on black graphics with a unique silver insert in the dial, specially designed white & black pointer and 12-volt lamps. Units are sold in 5- or 6-gauge kits with senders – or individually.

Match with Stewart Warner senders for a perfectly tuned “system solution.”

- Available in three accent colors – burgundy, titanium and blue/gray – to complement the car’s color scheme
- Classic look and feel with modern colors and bold, easy-to-read graphics
- Low-profile bezel – more streamlined than pure step
- Excellent night-time illumination
- Immune to over-voltage or incorrect installation
- Front-sealed, dust-proof in rear



General Specifications:

Physical:

- Sizes:
 - Gauges:* 2-1/16" (52 mm) nominal diameter;
 - Tachometers/Speedometers:* 3-3/8" (85.7 mm) diameter nominal
- Movement:
 - Electrical Gauges:* High-torque air-core type, 90° pointer sweep
 - Mechanical Gauges:* Bourdon tube type, 270° pointer sweep
 - Tachometers & Speedometers:* High-torque air-core type or electro-mechanical, 270° pointer sweep
- Bobbin: Sealed, reinforced PBT, internally dampened
- Case Construction:
 - Gauges:* steel, plated (corrosion-protected)
 - Tachs & Speedos:* rugged polymer
- Dials: Aluminum, painted, black with silver disc center and burgundy, titanium or blue/gray colored accent ring
- Pointers: white tip, black tail
- Bezels: Polished stainless steel SAE step

Electrical:

- System voltage: 12V (10-16 VDC) or 24V nominal (20-32 VDC – requires adapter)
- Ohms/resistance: 240-33.5Ω standard Stewart Warner match
- Lighting: 12V, patented light ring
- Connections: #8-32 studs
- Protected from over-voltage & reverse polarity

Performance:

- General specifications: compliant with SAE and ISO standards
- Accuracy: Per SAE, +/- 1.5 angular degrees at primary calibration points and +/- 3 angular degrees at secondary calibration points based on nominal input

Environmental:

- Operating temperature: -40°C to +85°C
- Storage temperature: -55°C to +85°C
- Sealing: Front sealed IP 66, dustproof in rear
- Compliant: SAE J1810, typical standards for vibration, salt spray

Installation:

- Mounting kit: bracket and hardware
- Panel cut-outs:
 - 2-1/16" (52 mm) Gauges:* 2.098" +/- .02";
 - 3-3/8" (85.7 mm) Tachometers/Speedometers:* 3.4" +/- .02"

Graphics:

- Color scheme: Silver-on-black graphics with English scale; burgundy, blue/gray or titanium accent ring
- Configuration: English graphics

Also Available:

- Stewart Warner senders for electrical gauges
- Genuine Stewart Warner accessories



More Information:

Consult with your Maximatecc salesperson for additional details about related products.

GAUGE Part Numbers:



82515



82516



82517

Fuel Level GAUGES							
P/N	Model	Scale	Ø in	Ω Ohms	Volts	Bezel/ Dial	Type/Sender
82515	Power Series	E-1/2-F	2-1/16"	240-33.5	12	Polished/ Burgundy	See Sender Table
82516	Power Series	E-1/2-F	2-1/16"	240-33.5	12	Polished/ Titanium	See Sender Table
82517	Power Series	E-1/2-F	2-1/16"	240-33.5	12	Polished/ Blue/Gray	See Sender Table

NOTES:

See Fuel Level Senders Table below for commonly used senders. For other sending unit options, please see Fuel Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See page G5 for matching tachometers and speedometers.

SENDING UNIT Part Numbers:



391D-D shown

Fuel Level SENDERS				
P/N	Tank Depth	Flange Position ^{*1}	Ω Ohms	Ground Type ^{*2}
385AB-P	4.5-24"	RH	240-33.5	Common (Stud)
385B-F	6-12"	LH	240-33.5	Common (Stud)
385C-F	6-12"	RH	240-33.5	Common (Stud)
391A-F	10-15"	LH	240-33.5	Common (Stud)
391B-F	10-15"	RH	240-33.5	Common (Stud)
391C-D	15.5-24"	LH	240-33.5	Common (Stud)
391D-D	15.5-24"	RH	240-33.5	Common (Stud)
391PX-D	27-36"	RH	240-33.5	Common (Stud)
114876	Adjustable for 4.5-24"	LH	240-33.5	Common (Stud)

NOTES:

*1 = Fuel sender installations support either a right hand (RH) or left hand (LH) configuration. Fixed arm senders may be available for a custom solution.

*2 = Custom units available for isolated ground, consult with salesperson.

For other sending unit options, please see Fuel Sender section.

NOTE: When power to an electrical gauge is turned off, pointer may come to rest at any point on the dial.

GAUGE Part Numbers:

Pressure Gauges – OIL								
P/N	Model	Scale (PSI)	Ø in	Ω Ohms	Volts	Bezel/Dial	Type	Sender/ Tubing kit
82752	Power Series	0-80	2-1/16"	240-33.5	12	Polished/ Burgundy	Elec.	279A
82755	Power Series	0-80	2-1/16"	N/A	N/A	Polished/ Burgundy	Mech.	114840 (6') or 114841 (16')
82756	Power Series	0-80	2-1/16"	240-33.5	12	Polished/ Titanium	Elec.	279A
82759	Power Series	0-80	2-1/16"	N/A	N/A	Polished/ Titanium	Mech.	114840 (6') or 114841 (16')
82760	Power Series	0-80	2-1/16"	240-33.5	12	Polished/ Blue/Gray	Elec.	279A
82763	Power Series	0-80	2-1/16"	N/A	N/A	Polished/ Blue/Gray	Mech.	114840 (6') or 114841 (16')

NOTES:

Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

For other sending unit options, please see Pressure Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See page G5 for matching tachometers and speedometers.



82752



82755



82756



82760



82759



82763

GAUGE Part Numbers:



82839



82840



82841

Speedometers (electrical)						
P/N	Model	Scale (MPH)	Ø in	Type	Dial/Notes	Sender
82839	Power Series	0-160	3-3/8"	Electrical	Burgundy / with Odometer	114878 or 82646
82840	Power Series	0-160	3-3/8"	Electrical	Titanium / with Odometer	114878 or 82646
82841	Power Series	0-160	3-3/8"	Electrical	Blue/Gray / with Odometer	114878 or 82646

NOTES:

For sending unit options, please see the Senders & Sensors section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See below for matching tachometers and other pages in this section for matching 2" gauges.

Tachometers (electrical & mechanical)						
P/N	Model	Scale (RPM)	Ø in	Type	Dial/Engine Types	Sender
82845	Power Series	0-8,000	3-3/8"	Electrical	Burgundy / for 4, 6, 8-cylinder	82623B
82837	Power Series	0-8,000	3-3/8"	Electrical	Titanium / for 4, 6, 8-cylinder	82623B
82838	Power Series	0-8,000	3-3/8"	Electrical	Blue/Gray / for 4, 6, 8-cylinder	82623B

NOTES:

For sending unit options, please see the Senders & Sensors section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See above for matching speedometers and other pages in this section for matching 2" gauges.



82845



82837



82838

GAUGE Part Numbers:

Temperature Gauges – WATER						
P/N	Model	Scale (°F)	Ø in	Match	Bezel/Dial	Type/Sender/Tubing
82753	Power Series	100-240	2-1/16"	SW	Polished/Burgundy	Electrical/280EC
82842	Power Series	100-265	2-1/16"	N/A	Polished/Burgundy	Mechanical/72" capillary *1
82757	Power Series	100-240	2-1/16"	SW	Polished/Titanium	Electrical/280EC
82843	Power Series	100-265	2-1/16"	N/A	Polished/Titanium	Mechanical/72" capillary *1
82761	Power Series	100-240	2-1/16"	SW	Polished/Blue/Gray	Electrical/280EC
82844	Power Series	100-265	2-1/16"	N/A	Polished/Blue/Gray	Mechanical/72" capillary *1

NOTES:

*1 = Tubing included with mechanical gauge kits above. **WARNING:** The tubing on mechanical temperature gauges is gas-filled and cannot be field-altered without damaging the gauge.

For other sending unit options, please see Temperature Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See page G5 for matching tachometers and speedometers.



82753



82842



82757



82761



82843



82844

GAUGE Part Numbers:



82754



82758



82762

Voltmeters						
P/N	Model	Scale (VDC)	Ø in	Volts	Bezel/ Dial	Notes
82754	Power Series	10-16	2-1/16"	12	Polished/ Burgundy	Use Existing Connection
82758	Power Series	10-16	2-1/16"	12	Polished/ Titanium	Use Existing Connection
82762	Power Series	10-16	2-1/16"	12	Polished/ Blue/Gray	Use Existing Connection

NOTES:

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See page G5 for matching tachometers and speedometers.

POWER SERIES GAUGE KITS:



Dashboard in a Box!

Stewart Warner Power Series™ gauge sets are available in convenient kit form for automotive applications. Each kit contains the essential instrument panel gauges. Other matching gauges available...please see previous pages.

And they're matched with Stewart Warner senders for a perfectly tuned "system solution."

- Classic look in 3 modern accent colors: burgundy, titanium and blue/gray
- Bold, easy-to-read graphics
- Low-profile bezel
- Excellent night-time illumination
- Immune to over-voltage or incorrect installation
- Front-sealed, dust-proof in rear

POWER SERIES GAUGE KITS:

Power Series 5-Gauge Kit (Electrical) kit contents: 82251 (Burgundy) – 82252 (Titanium) – 82253 (Blue/Gray)							
Gauge Type	P/N Burgundy	P/N Titanium	P/N Blue/Gray	Scale	Ø in	Bezel	Sender/Tubing/Connection Included
Electric Speedometer	82839	82840	82841	0-160 MPH	3-3/8"	Polished	Use Existing Mechanical Cable Connection to Transmission (mechanical take-off may be req'd.)
Electric Oil Pressure	82752	82756	82760	0-80 PSI	2-1/16"	Polished	Electrical Pressure Sender
Electric Water Temperature	82753	82757	82761	100-240 °F	2-1/16"	Polished	Electrical Temperature Sender
Electric Fuel Level	82515	82516	82517	E-1/2-F	2-1/16"	Polished	Electrical Fuel Level Sender (float arm type, 240-33.5 Ohms)
Electric Voltmeter	82754	82758	82762	10-16 V	2-1/16"	Polished	Use Existing Connection



82254 shown

Power Series 5-Gauge Kit (Mechanical/Electrical) kit contents: 82254 (Burgundy) – 82255 (Titanium) – 82256 (Blue/Gray)							
Gauge Type	P/N Burgundy	P/N Titanium	P/N Blue/Gray	Scale	Ø in	Bezel	Sender/Tubing/Connection Included
Electric Speedometer	82839	82840	82841	0-160 MPH	3-3/8"	Polished	Use Existing Mechanical Cable Connection to Transmission (mechanical take-off may be req'd.)
Mechanical Oil Pressure	82755	82759	82763	0-80 PSI	2-1/16"	Polished	114840 (6 ft. tube) or 114841 (16 ft. tube)
Mechanical Water Temperature	82842	82843	82844	100-265 °F	2-1/16"	Polished	72" Capillary
Electric Fuel Level	82515	82516	82517	E-1/2-F	2-1/16"	Polished	Electrical Fuel Level Sender (float arm type, 240-33.5 Ohms)
Electric Voltmeter	82754	82758	82762	10-16 V	2-1/16"	Polished	Use Existing Connection

NOTES:

Gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See preceding pages for matching gauges.

POWER SERIES GAUGE KITS:

Power Series 6-Gauge Kit (Electrical) kit contents: 82245 (Burgundy) – 82246 (Titanium) – 82247 (Blue/Gray)							
Gauge Type	P/N Burgundy	P/N Titanium	P/N Blue/Gray	Scale	Ø in	Bezel	Sender/Tubing/Connection Included
Electric Speedometer	82839	82840	82841	0-160 MPH	3-3/8"	Polished	Use Existing Mechanical Cable Connection to Transmission (mechanical take-off may be req'd.)
Electric Tachometer	82845	82837	82838	8,000 RPM	3-3/8"	Polished	Use Existing Connection
Electric Oil Pressure	82752	82756	82760	0-80 PSI	2-1/16"	Polished	Electrical Pressure Sender
Electric Water Temperature	82753	82757	82761	100-240 °F	2-1/16"	Polished	Electrical Temperature Sender
Electric Fuel Level	82515	82516	82517	E-1/2-F	2-1/16"	Polished	Electrical Fuel Level Sender (float arm type, 240-33.5 Ohms)
Electric Voltmeter	82754	82758	82762	10-16 V	2-1/16"	Polished	Use Existing Connection



82245 shown



82249 shown

Power Series 6-Gauge Kit (Mechanical/Electrical) kit contents: 82248 (Burgundy) – 82249 (Titanium) – 82250 (Blue/Gray)							
Gauge Type	P/N Burgundy	P/N Titanium	P/N Blue/Gray	Scale	Ø in	Bezel	Sender/Tubing/Connection Included
Electric Speedometer	82839	82840	82841	0-160 MPH	3-3/8"	Polished	Use Existing Mechanical Cable Connection to Transmission (mechanical take-off may be req'd.)
Electric Tachometer	82845	82837	82838	8,000 RPM	3-3/8"	Polished	Use Existing Connection
Mechanical Oil Pressure	82755	82759	82763	0-80 PSI	2-1/16"	Polished	114840 (6 ft. tube) or 114841 (16 ft. tube)
Mechanical Water Temperature	82842	82843	82844	100-265 °F	2-1/16"	Polished	72" Capillary
Electric Fuel Level	82515	82516	82517	E-1/2-F	2-1/16"	Polished	Electrical Fuel Level Sender (float arm type, 240-33.5 Ohms)
Electric Voltmeter	82754	82758	82762	10-16 V	2-1/16"	Polished	Use Existing Connection

NOTES:

Gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See preceding pages for matching gauges.



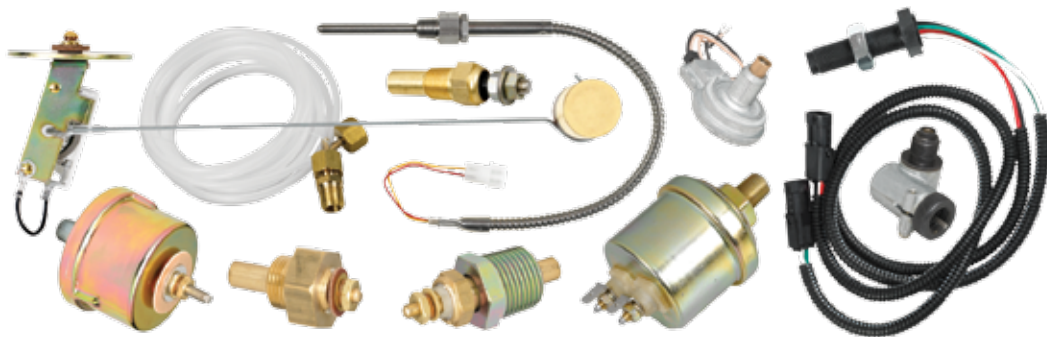
Classic Green Line speedometer, fuel, water temperature, volt, oil pressure and tachometer

Shelby GTs & Yenko's Had Them – So Can You!

You can't get more genuine than the original Custom Deluxe™ Green Line™ gauges from Stewart Warner! Original 1960s dial artwork was used to recreate our most requested line. And we didn't forget the other details: mechanical gauges have red pointers with silver hubs and ammeters even feature the original crescent pointer slot! Gauges are available in 2-1/6" and 2-5/8", speedos and tachs in 3-3/8" with full dial sweep.

Match with Stewart Warner senders for a perfectly tuned "system solution."

- Dials feature a brushed silver center disc, surrounded by the famous green line
- Polished stainless steel stepped bezel
- Ammeters feature the crescent-shaped pointer opening just like the originals
- Mechanical gauges feature red pointers with silver hub
- Polished stainless steel stepped bezel
- Illuminated for readability at night
- Immune to over-voltage or incorrect installation
- Front-sealed, dust-proof in rear



General Specifications:

Physical:

- Sizes:
 - Gauges:* either 2-1/16" (52 mm) or 2-5/8" (67 mm) nominal diameters;
 - Tachometer/Speedometer:* 3-3/8" (85.7 mm) diameter nominal
- Movement:
 - Electrical Gauges:* High-torque air-core type, 90° pointer sweep
 - Ammeters:* 60° pointer sweep
 - Mechanical Gauges:* Bourdon tube type, 270° pointer sweep
 - Tachometer & Speedometer:* High-torque air-core type, 270° pointer sweep
- Bobbin: Sealed, reinforced PBT, internally dampened
- Case Construction:
 - Gauges:* steel, plated (corrosion-protected)
 - Tachs & Speedos:* rugged polymer
- Dials: Aluminum, painted, black
- Pointers: Aluminum, painted red tip, aluminum finish hub (ammeter: through-slot pointer – no visible hub)
- Bezels: Polished stainless steel SAE step

Electrical:

- System voltage: 12V (10-16 VDC)
- Ohms/resistance: 240-33.5Ω standard Stewart Warner match
- Lighting: 12V
- Connections: #8-32 studs
- Protected from over-voltage & reverse polarity

Performance:

- General specifications: compliant with SAE and ISO standards
- Accuracy: Per SAE, +/- 1.5 angular degrees at primary calibration points and +/- 3 angular degrees at secondary calibration points based on nominal input

Environmental:

- Operating temperature: -40°C to +85°C
- Storage temperature: -55°C to +85°C
- Sealing: Front sealed IP 66, dustproof in rear
- Compliant: SAE J1810, typical standards for vibration, salt spray

Installation:

- Mounting kit: bracket and hardware
- Panel cut-outs:
 - 2-1/16" (52 mm) *Gauges:* 2.098" +/- .02";
 - 2-5/8" (67 mm) *Gauges:* 2.603" +/- .02"
 - 3-3/8" (85.7 mm) *Tachometer/Speedometer:* 3.4" +/- .02"

Graphics:

- Color scheme: White-on-black English graphics with English scale and the famous green line (color keyed dials available on select units)

Also Available:

- Power Series™ gauges, a modernized "retro" line with burgundy, blue/gray or titanium rings around a brushed silver center
- Stewart Warner senders for electrical gauges
- Genuine Stewart Warner accessories



More Information:

Consult with your Maximatecc salesperson for additional details about related products.

GAUGE Part Numbers:

Ammeters						
P/N	Model	Scale	Ø in	Type	Bezel	Shunt
359CE	Green Line	60-0-60	2-1/16"	Standard	Polished	Internally Shunted
690W	Green Line	60-0-60	2-5/8"	Standard	Polished	Internally Shunted

NOTES:

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages H4-H5 for matching tachometer and speedometer.



690W shown

Fuel Level GAUGE							
P/N	Model	Scale	Ø in	Ω Ohms	Volts	Bezel	Type/Sender
301AW	Green Line	E-1/2-F	2-1/16"	240-33.5	12	Polished	114876

NOTES:

See Fuel Level Senders Table below for commonly used senders. For other sending unit options, please see Fuel Sender section.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages H4-H5 for matching tachometer and speedometer.



301AW

SENDING UNIT Part Numbers:

Fuel Level SENDERS				
P/N	Tank Depth	Flange Position ^{*1}	Ω Ohms	Ground Type ^{*2}
385AB-P	4.5-24"	RH	240-33.5	Common (Stud)
385B-F	6-12"	LH	240-33.5	Common (Stud)
385C-F	6-12"	RH	240-33.5	Common (Stud)
391A-F	10-15"	LH	240-33.5	Common (Stud)
391B-F	10-15"	RH	240-33.5	Common (Stud)
391C-D	15.5-24"	LH	240-33.5	Common (Stud)
391D-D	15.5-24"	RH	240-33.5	Common (Stud)
391PX-D	27-36"	RH	240-33.5	Common (Stud)
114876	Adjustable for 4.5-24"	LH	240-33.5	Common (Stud)

NOTES:

*1 = Fuel sender installations support either a right hand (RH) or left hand (LH) configuration. Fixed arm senders may be available for a custom solution.

*2 = Custom units available for isolated ground, consult with salesperson.

For other sending unit options, please see Fuel Sender section.



391D-D shown

NOTE: When power to an electrical gauge is turned off, pointer may come to rest at any point on the dial.

GAUGE Part Numbers:



306BB



360DP



691BS



530DH

Pressure Gauges – OIL

P/N	Model	Scale (PSI)	Ø in	Ω Ohms	Volts	Bezel	Type	Sender/ Tubing
306BB	Green Line	0-80	2-1/16"	240-33.5	12	Polished	Electrical	279A
360DP	Green Line	0-100	2-1/16"	240-33.5	12	Polished	Mechanical	Tubing *1
691BS	Green Line	0-100	2-5/8"	240-33.5	12	Polished	Mechanical	Tubing *1

NOTES:

*1 = Use tubing kit P/N 82553-F (6') or 366HM-F (16') with mechanical pressure gauges.

For other sending unit options, please see Pressure Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages H4-H5 for matching tachometer and speedometer.



Speedometer

P/N	Model	Scale (MPH)	Ø in	Type	Notes	Sender
530DH	Green Line	0-160	3-3/8"	Electrical	Programmable; Odometer	May be req'd *1

NOTES:

*1 = For sending unit options, please see the Senders & Sensors section.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See next page for matching tachometer and other pages in this section for matching 2" gauges.

GAUGE Part Numbers:

Tachometer						
P/N	Model	Scale (RPM)	Ø in	Type	Notes	Sender
531CC	Green Line	0-8,000	3-3/8"	Electrical	Ignition Coil	N/A

NOTES:

For sending unit options, please see the Senders & Sensors section.

Gauge kit above includes gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See previous page for matching speedometer and other pages in this section for matching 2" gauges.



531CC

Temperature Gauges – WATER						
P/N	Model	Scale (°F)	Ø in	Type	Bezel	Sender/Tubing *1,2
311CC	Green Line	60-240	2-1/16"	Electrical	Polished	280EA
361AT72	Green Line	100-250	2-1/16"	Mechanical	Polished	72" capillary *1
692H72	Green Line	100-250	2-5/8"	Mechanical	Polished	72" capillary *1

NOTES:

*1 = Tubing included with mechanical gauge kits above. Part number suffix = tubing length (inches) included with gauge (e.g. -72 = 72" tubing.) **WARNING: The tubing on mechanical temperature gauges is gas-filled and cannot be field-altered without damaging the gauge.**

For other sending unit options, please see Temperature Sender section.

All gauge kits above include gauge mounting hardware.

12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.

For panel kits and other options, please see Accessories section.

See pages H4-H5 for matching tachometer and speedometer.



311CC



361AT72



692H72

GAUGE Part Numbers:



375T



690TM

Voltmeters						
P/N	Model	Scale	Ø in	Volts	Bezel	Type/Notes
375T	Green Line	10-16	2-1/16"	12	Polished	Battery Charge Volts/Color Band
690TM	Green Line	10-16	2-5/8"	12	Polished	Battery Charge Volts/Color Band

NOTES:
All gauge kits above include gauge mounting hardware.
12V or 24V light kits are sold separately. These are available for 5/8" and 1/2" light holes, in single-wire (grounds to gauge case) or two-wire (when ground cannot be made via gauge case) configurations. Please see Accessories section for list of available light kits.
For panel kits and other options, please see Accessories section.
See pages H4-H5 for matching tachometer and speedometer.

For More Lines with the Traditional Look,
Check Out These Other Stewart Warner Classics:



Deluxe



Power Series



Standard



Wings



Standard PLUS

Get Genuine Stewart Warner!



Stewart Warner Specialty Products: 4-Gauge Cluster Panels & Hand-held Tachometer

More Handy Items From Stewart Warner.

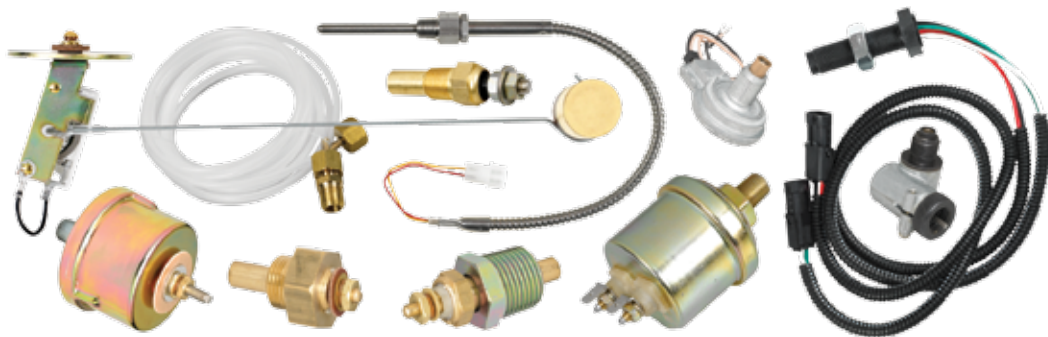
Stewart Warner offers two pre-assembled 4 Gauge Cluster ("4 GC") 12-volt instrument panels, available in either a vertical or a horizontal configuration.

Each panel includes an illuminated voltmeter, fuel level gauge, water temperature gauge and oil pressure gauge.

Each panel is water- and dust-resistant with a front-serviceable housing featuring snap-on bezels and lenses for easy gauge access.

Our popular hand-held 4,000-RPM tachometer is 3" in diameter and 4" long. This precision instrument is used for direct measurement of a clockwise or counterclockwise rotating shaft. Two shaft extensions and two rubber tip styles are available.

Stewart Warner senders + Stewart Warner instruments = a perfectly tuned "system solution."



Stewart Warner Hand-Held Tachometer:

- Used for direct measure on a rotating shaft
- 0-4,000 RPM clockwise and counterclockwise capability
- 3" diameter and 4" long



82682



96798



96799

Hand-Held Tachometer & Accessories

P/N	Model
82682	0-4,000 RPM clockwise & counterclockwise rotating shaft
412850	12-inch extension shaft
412850-1	3-inch extension shaft
96798	Cone type rubber tip
96799	Cup type rubber tip



412850

4-Gauge Cluster ("4 GC") Instrument Panels



873128

- Each 4 GC panel includes: voltmeter, fuel level, water temperature, and oil pressure gauges
- Front-mounted instruments and lenses with internal back-lighting
- One-piece, water and dust resistant panel
- Front-serviceable, with snap-on bezels and lenses for easy access
- Illumination lights are serviceable from both front and back of panel
- Patented housing and molded-in circuit plate
- Single interlocking harness connector for all 4 GC functions
- Easy-to-read green and white graphics
- For 12V applications

4 GC Instrument Panels

P/N	Panel Orientation	Volts
873128	Vertical	12 VDC
873129	Horizontal	12 VDC



873129



Fuel (Vertical Panel)



Fuel (Horizontal Panel)



Left to right: Stewart Warner 86000 Series LCD, 83000 Series analog rectangular screw-mount and round bracket-mount hourmeters; Hobbs 85000 Series screw-mount hourmeter

Your One-Stop-Shop for Dependable Timekeeping.

Rugged and reliable, we have an hourmeter for virtually every application that is accurate within $\pm .02\%$.

83000 Series SW DC hourmeters feature a Quartz movement for 10-80 VDC applications and units that cosmetically match our Deluxe and Heavy Duty lines.

86000 Series SW LCD hourmeters are sealed severe duty units, designed from the ground up for reliable performance in 7-56 VDC applications.

85000 Series Hobbs DC hourmeters are UL-recognized, sealed severe duty units, delivering optimum performance for 10-80 VDC applications.

20000 Series Hobbs AC hourmeters are UL-recognized, severe duty units, available in 50 and 60 Hz configurations for 108-132 VAC applications.

More Information:

Consult with your Maximatecc salesperson for additional details about related products.

General Specifications:

83000 Series – DC 2-Screw:

- 10,000 hours range with tenths, black bezel, white on black graphics, sealed case
- Operating Voltage: 10-80 VDC & 12-24 VDC
- Quartz movement accuracy within +/- 0.02%
- Excellent vibration and shock resistance
- 2 screw hole flange for fast, easy mounting
- Compact design to fit any application

83000 Series – DC 3-Screw:

- 10,000 hours range with tenths, black bezel, white on black graphics, sealed case
- Operating Voltage: 10-80 VDC & 12-24 VDC
- Quartz movement accuracy within +/- 0.02%
- Excellent vibration and shock resistance
- 3 screw hole flange for flexible mounting

83000 Series – DC Bracket Mount:

- Two cosmetic versions to match the classic SW Deluxe and SW Heavy Duty styling:
 - Deluxe type style:* chrome bezel, available in 2.27" and 2.50" diameters
 - Heavy Duty type style:* raised black bezel Raised black bezel with distinctive brushed bright rim, available in 2.27" diameter
- 10,000 hours operating range with tenths, plus running indicator and sealed case
- Operating Voltage: 10-80 VDC
- Quartz movement accuracy within +/- 0.02%
- Excellent vibration and shock resistance
- Flush cup type mounting bracket included

86000 Series – DC LCD Severe Duty:

- IP67 sealed front and rear; sealed to 5 PSI
- Rugged and reliable-survives 20+ Gs of shock & vibration
- Extremely accurate: +/- .02%
- Wide operating voltage & temperature ranges: 7-56 VDC; -40° F to +185° F (-40° C to +85° C)
- "Inhibited" or "non-inhibited configuration" (one solution/one part number)
- Electrically protected from over-voltage & reverse polarity
- Robust automotive-grade "severe-duty" LCD
- Spin-on fastener for round hourmeter; 2-hole mounting for rectangular "mini" unit
- Heavy-duty terminals for all-weather use

85000 Series – Hobbs DC:

- Custom CMOS integrated unit
- Precision built relay-driven movement indicates operating time in hours and tenths, plus has a running indicator with automatic recycle to zero
- Totally sealed case
- Quartz accuracy: +/-200ppm, +/-0.02% (entire voltage and temperature range)
- Operating Voltage: 10-80 VDC & 12-24 VDC
Transient Voltage Protection Alternator load dump: 150V EMI (Electromagnetic Interference): +400V @ 500Hz Inductive switching and reverse polarity
- Standard terminals: 1/4" male blade
- Operating temperature range: -40° F to +185° F (-40° C to +85° C)
- Excellent vibration & shock resistance:
 - Vibration:* 20 g's @ 10-80 Hz (SAEJ1378) & 10 g's (per MIL-M-3971)
 - Shock:* 55 g's @ 9-13 msec (SAEJ1378) & 75 g's (per MIL-M-3971)
- Lens: glass; Case material: Polyester
- Number size: 0.12" (3mm)
- UL Recognized (File number AU1774)
- CSA Certified (File number LR42455-12)
- Conforms to MIL-M-3971

20000 Series – Hobbs AC:

- Single phase, synchronous, permanently lubricated motor records up to 99,999 hours, with automatic recycle to zero
- Screw terminal models are totally sealed
- Accuracy: +/-0.02%
- Operating Voltage: 108-132 VAC, 50 or 60 Hz
- Can be wired for single- or three-phase power
- 3.0 watts power rating
- Connections: either screw termination (all models) or 7" lead wires (60 Hz only)
- Operating temperature range: -65° F to +154° F (-54° C to +68° C)
- Lens: glass for round units, polycarbonate for rectangular units; Case material: rugged shock-resistant, tamper-proof Polycarbonate
- Weight: 3 oz.
- Number size: 0.12" (3mm)
- UL Listed (File #E47098): screw terminal units
- UL Recognized: wire lead versions
- CSA Certified (File #LR42455)
- Conforms to MIL-M-3971: screw terminal units

HOURLMETER Part Numbers:

Stewart Warner Screw-Mount DC Hourmeters (83000 Series)					
P/N	Voltage	Mounting	Hours	Shape	Mounting
83500	10-80 VDC	2 Screw	10,000	Rectangular	Horizontal 2-Screw Hole Pattern
83506	12-24 VDC	2 Screw	10,000	Rectangular	Horizontal 2-Screw Hole Pattern
83501	10-80 VDC	3 Screw	10,000	Round	Round 3-Screw Hole Pattern
83508	12-24 VDC	3 Screw	10,000	Round	Round 3-Screw Hole Pattern (elliptical holes)



83506

Stewart Warner Bracket-Mount DC Hourmeters (83000 Series Deluxe & Heavy Duty match)					
P/N	Voltage	Ø in	Hours	Bezel/Bracket Type	Graphics Match
83502	10-80 VDC	2.27"	10,000	Chrome/Flush Cup	SW Deluxe
83505	10-80 VDC	2.50"	10,000	Chrome/Flush Cup	SW Deluxe
83503	10-80 VDC	2.27"	10,000	Black/Flush Cup	SW Heavy Duty

NOTES:

See Deluxe and Heavy Duty sections for matching gauges, tachometers and speedometers.

Flush cup mounting brackets are generally suitable for panels which are consistent in thickness, flat, smooth/slick and/or need reinforcement at the mounting point.

Stewart Warner LCD Hourmeters (86000 Series)					
P/N	Voltage	Hours	Bezel	Mounting	Feature
86002	7-56 VDC	99999.9	Black	2-hole	Inhibited/Uninhibited
86003	7-56 VDC	99999.9	Black	Spin-on Fastener	Inhibited/Uninhibited



83500



83501 shown



83502 shown



83503



86002 shown

HOURLMETER Part Numbers:

Hobbs®



85094-12



85097-02

Hobbs Screw-Mount DC Hourmeters (85000 Series)

P/N	Voltage	Mounting	Hours	Shape	Mounting
85094-12	10-80 VDC	2 Screw	10,000	Rectangular	Horizontal 2-Screw Hole Pattern
85097-02	10-80 VDC	3 Screw	10,000	Round	Round 3-Screw Hole Pattern

Hourmeters



85093-03 shown



85135-03 shown

Hobbs Round Bracket-Mount DC Hourmeters (85000 Series)

P/N	Voltage	Ø in	Hours	Bezel/Bracket Type
85004-25	10-32 VDC	2.27"	10,000	Chrome/Stirrup *1
85008-25	10-32 VDC	2.50"	10,000	Chrome/Stirrup *1
85342-03	10-80 VDC	2.27"	10,000	Chrome/Flush Cup *2
85093-03	10-80 VDC	2.27"	10,000	Black/Flush Cup *2
85098-03	10-80 VDC	2.50"	10,000	Chrome/Flush Cup *2
85135-03	10-80 VDC	2.27"	100,000	Chrome/Flush Cup *2
85133-03	10-80 VDC	2.50"	100,000	Chrome/Flush Cup *2

NOTES:

*1 = Stirrup type brackets are generally suitable for panels which may be inconsistent in thickness and/or curved, don't need mounting point reinforcement and whose rear surfaces offer some degree of "grip." They are C-shaped standard instrument brackets the installer can cut down if needed.

*2 = Flush cup mounting brackets are generally suitable for panels which are consistent in thickness, flat, smooth/slick and/or need reinforcement at the mounting point.

HOURLMETER Part Numbers:

Hobbs Rectangular & Round AC Hourmeters (20000 Series)						
P/N	Voltage	Hertz	Termination	Hours	Shape	Mounting
20001-17	108-132 VAC	60 Hz	Screw *1	99,999	Rectangular	Horizontal 2-Screw Hole Pattern
20035-17	108-132 VAC	60 Hz	7" Leads *2	99,999	Rectangular	Horizontal 2-Screw Hole Pattern
20016-14	108-132 VAC	50 Hz	Screw *1	99,999	Round	Round 3-Screw Hole Pattern
20017-14	108-132 VAC	60 Hz	Screw *1	99,999	Round	Round 3-Screw Hole Pattern

NOTES:
 *1 = UL Listed & CSA Certified.
 *2 = UL Recognized & CSA Certified.



20017-14 shown

Hourmeters

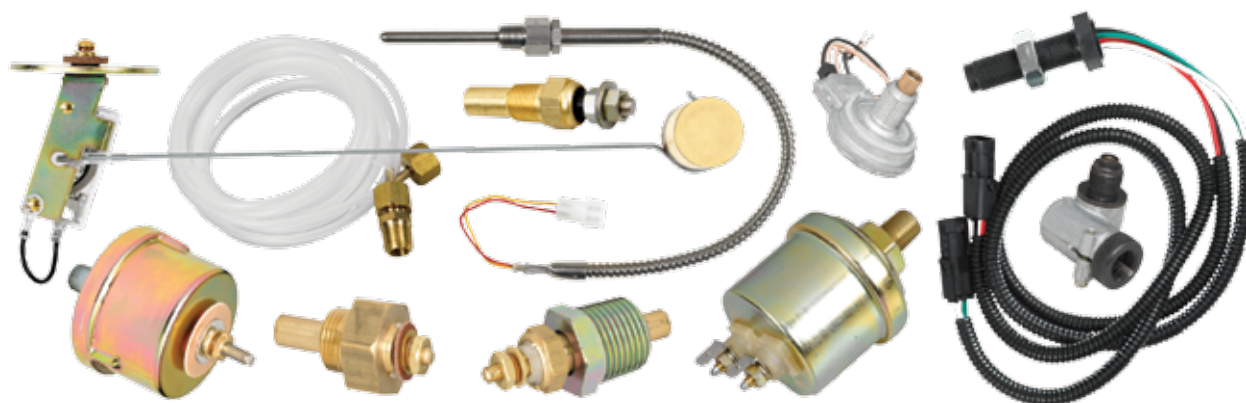
HOURLMETER ACCESSORY Part Numbers:

Screw-Mount Hourmeter Accessories		
P/N	Application	Notes
23944	2-screw rectangular hourmeters (all)	Angle Mounting Bracket – rectangular units (Use when panel mounting is not practical.)
3888-M	3-screw type hourmeters (DC only)	Dampener (Use between bezel and panel.)
486-M	3-screw type hourmeters (DC only)	Surface Mounting Bracket – round units (Use when panel mounting is not practical. Covers panel area 2-13/16" x 5-1/4".)



23944 shown





Stewart Warner Genuine Senders, Sensors and Mechanical Gauge Tubing

The Original. Accept No Substitutes.

Genuine Stewart Warner senders, tubing and components assure you of the accurate, consistent readings designed into our gauges.

When you buy a Stewart Warner gauge, you are choosing quality at one end.

Don't settle for less at the other end!

Match with Stewart Warner senders for a perfectly tuned "system solution."

- The industry standard for nearly 50 years
- Fuel senders: our thick-film resistors deliver greater accuracy and will perform reliably for more than twenty million cycles.
- Pressure senders: our thick film pressure senders will last up to five times longer than senders with wire-wound resistors.
- Temperature senders: corrosion-resistant, outstanding electrical and thermal conductivity, shock and vibration resistant for maximum durability.
- Speed/RPM sensors: magnetic, Hall Effect and mechanical pickups/tips are available.
- Tubing: these kits are specifically engineered for our mechanical pressure gauges.



SENDING UNIT Part Numbers:

Thick Film Fuel Senders				
P/N	Connector	Resistance	Flange Position ^{*2}	Tank Depth
385AB-P ^{*1}	Stud Termination	240-33.5 Ohms	RH	4 1/2-24"
385B-F	Stud Termination	240-33.5 Ohms	LH	6-12"
385C-F	Stud Termination	240-33.5 Ohms	RH	6-12"
391A-F	Stud Termination	240-33.5 Ohms	LH	10-15"
391B-F	Stud Termination	240-33.5 Ohms	RH	10-15"
391C-D	Stud Termination	240-33.5 Ohms	LH	15 1/2-24"
391D-D	Stud Termination	240-33.5 Ohms	RH	15 1/2-24"
391PX-D	Stud Termination	240-33.5 Ohms	RH	27-36"
114876	Stud Termination	240-33.5 Ohms	RH	Adjustable from 4-1/2" to 24"
439363-D	Stud Termination	0-90 Ohms	LH	15.5-24"
439364-D	Stud Termination	0-90 Ohms	RH	15.5-24"

NOTES:

*1 = Has spade terminal ground.

*2 = Fuel sender installations support either a right hand (RH) or left hand (LH) configuration. Fixed arm senders may be available for a custom solution.

Order Fuel Level Sender (Tank Unit) Installation Kit No. 366LP-F separately, if needed. Flange should be welded or soldered to tank. The kit contains: one flange, one 72030 rubber gasket, and five washers and screws.

Description:

- Stewart Warner thick-film resistors deliver greater accuracy and will perform reliably for more than twenty million cycles
- Phosphor bronze wiper with nickel silver contact provides extended life under fuel sloshing, vibration, and dither conditions
- Resistors are trimmed by computer-guided lasers to exact specifications for greater accuracy
- Extended float arm support is impervious to side play from fuel sloshing in the tank
- Solid Lifecell™ float will not sink
- Zinc dichromate finish and copper alloy hardware

Specifications:

- Fuel level sender plate and termination will withstand an internal pressure of 6 PSI (41.4 kPa) when properly installed in the tank
- Flange: steel, zinc, dichromate finish
- Screws & Flat Washers: brass
- Lockwashers: phosphor bronze

Fuel Sender Accessories		
P/N	Description	Notes
366LP-F	Fuel sender install kit (includes: flange, gasket, 5 washers, 5 screws)	converts tank opening to SAE standard 5-hole configuration
72030	Replacement Gasket	SAE 5-hole pattern, Neoprene
429354	Brass Float	with Clip
836092	Lifecell Float	with Shepherd's Crook



391D-D shown



439363-D shown



366LP-F



836092 shown

SENDING UNIT Part Numbers:



114875 shown



279A shown



279C shown

Thick Film Pressure Senders

P/N	Connector	Pressure	Resistance	Thread Size
279B-F	Stud Termination	100 PSI	240-33.5 ohms	1/8" NPT
82504-F	Stud Termination	15 PSI	240-33.5 ohms	1/8" NPT
82514	Stud Termination	80 PSI	240-33.5 ohms	1/8" NPT
82894	Packard Connector	150 PSI	240-33.5 ohms	1/8" NPT
114875	Stud Termination	100 PSI	240-33.5 ohms	1/8" NPT
279A	Stud Termination	80 PSI	240-33.5 ohms	1/8" NPT
279C	Stud Termination	150 PSI	240-33.5 ohms	1/8" NPT

NOTE: Senders above except P/N 82514 may be used with all Stewart Warner electrical pressure gauges, including Gauge Line.

Description:

- Preferred for the most rigorous applications, Stewart Warner thick film pressure senders will last up to five times longer than senders with wire-wound resistors
- Trimmed by computer-guided lasers for greater accuracy
- Kapton® high-temperature plastic diaphragms sealed with Viton® gaskets for tighter seals and greater protection against oil leaks
- Available with sealed integrated Packard™ connectors, which assure a weather-tight fit for a reliable electric connection and easy installation

Specifications:

- Diaphragm, thick film rheostat
- 12 volts normal operating voltage; can be used in circuits up to 36 volts with voltage adapter
- Weighs 5.5 oz, 56 g
- Mounting Position: any orientation permissible
- Ambient Temperature Range (Operating & Storage): -40°F through 300°F (-40°C through 149°C)
- Cover: steel, zinc dichromate finish
- Flange & Stud Assembly: steel, bright zinc
- Terminal Stud: brass, white nickel
- Hex Nut & Flat Washer: brass
- Lock Washer: phosphor bronze

Pressure Senders – GAUGE LINE

P/N	Model	Pressure	Resistance	Thread Size
122562	Gauge Line	80 PSI	240 ohms	1/8" NPT
122563	Gauge Line	100 PSI	240 ohms	1/8" NPT
122564	Gauge Line	150 PSI	240 ohms	1/8" NPT

NOTE: Senders above except P/N 82514 may be used with all Stewart Warner electrical pressure gauges, including Gauge Line.

SENDING UNIT Part Numbers:

Temperature Senders (EXCEPT Gauge Line)				
P/N	Thread Size	Hex Size	Temperature Range	Kit Type
280EC	1/8" NPTF	5/8"	100-230°F/40-110°C	Universal *1
280EA	1/8" NPTF	5/8"	100-240°F/40-115°C	Universal *1
280EE-F	1/8" NPTF	5/8"	140-320°F/60-160°C	Sender only
334R-D	1/2" NPTF	7/8"	100-230°F/40-110°C	Sender only
334AA-D	1/2" NPTF	5/8"	100-280°F/40-135°C	Sender only
334AB-D	3/8" NPTF	3/4"	100-280°F/40-135°C	Sender only
334AD-D	1/2" NPTF	5/8"	100-280°F/40-135°C	Sender only
362AH-D	1/2" NPTF	7/8"	100-240°F/40-115°C	Sender only
280EA	1/8" NPT	5/8"	100-240°F/40-115°C	Universal *1
280EC	1/8" NPT	5/8"	100-230°F/40-110°C	Universal *1
280ED-F	1/8" NPT	5/8"	100-280°F/40-135°C	Universal *1
280EE-F	1/8" NPT	5/8"	140-320°F/60-160°C	Universal *1

NOTES:

*1 = Standard pipe thread is 1/8". Universal sales kits include adapter for 1/4", 3/8", and 1/2" pipe thread.

Senders above are NOT for use with Gauge Line gauges.

Description:

- Stewart Warner temperature senders are constructed of high-quality, corrosion-resistant brass for maximum durability and outstanding electrical and thermal conductivity

Specifications:

- Phosphor bronze contact spring provides shock and vibration resistance
- Available in 1/8-NPT and 1/8, 3/8 and 1/2-NPTF models and as kits which include adapters for 1/4", 3/8", and 1/2" pipe threads

Temperature Senders – GAUGE LINE				
P/N	Thread Size	Compatibility	Temperature Range	Kit Type
122038	1/8" NPT	Gauge Line only	100-320°F/40-160°C	Sender only

NOTE: Sender above has a specific resistance range for use with Gauge Line gauges ONLY.

Temperature Thread Adapter Nuts		
P/N	Type	Dimensions
822650D	Temperature Sender	1/8" ID to 3/8" OD
72446-F	Mechanical Water Temperature	Steel 5/8"-18 ID to 3/8" NPTF OD
82572	Mechanical Water Temperature	5/8"-18 ID to M16 x 1.5 OD



280ED-F shown



334AD-D shown

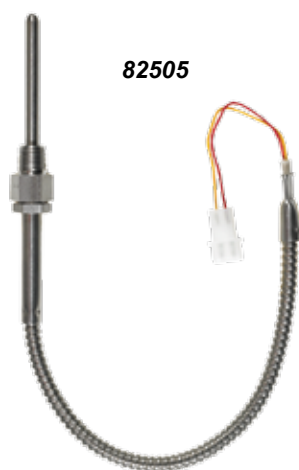


72446-F shown



82572 shown

SENDING UNIT Part Numbers:



82505

Pyrometer Thermocouple & Extensions

P/N	Notes
82505	17" Thermocouple
82556-1	5 foot extension
82556-2	10 foot extension
82556-3	20 foot extension

NOTE: Before selecting a pyrometer, determine the expected temperature range – this information can be usually be obtained from the vehicle manufacturer or engine builder.

CAUTION: Use ONLY a thermocouple-specific extension wire to connect the probe to the gauge. Do not alter the length of the thermocouple extension wire. Using any other wire or altering the length of the extension wire can cause severely inaccurate temperature readings.

Description:

- Stewart Warner pyrometers are designed to measure and monitor the temperature of the exhaust gases from a gasoline or diesel engine
- Probe is inserted into the exhaust system wire connected to Pyrometer
- Indicates early and/or dangerous overheat conditions; can also be used for tuning/monitoring the air/fuel mixture

Specifications:

- Stewart Warner Type-K thermocouple probe connects to Pyrometer via a special thermocouple-specific extension wire expressly designed for this purpose and that should never be field-altered.

TUBING KIT Part Numbers:



82553-F

Mechanical Gauge Tubing Kits (EXCEPT Gauge Line)

P/N	Length	Compatibility	Notes
82553-F	72" (6 feet)	Stewart Warner except Gauge Line	Not for Temperature Gauges
366HM-F	192" (16 feet)	Stewart Warner except Gauge Line	Not for Temperature Gauges

NOTES:

All tubing kits above contain 1/8" female PT nut, 1/8" male PT nut and 1/4" adapter nut. These kits are NOT for use with Gauge Line gauges.

WARNING: Do not use these kits for mechanical temperature gauges. The tubing on mechanical temperature gauges is gas-filled and cannot be field-altered without damaging the gauge.



366HM-F

Mechanical Gauge Tubing Kit – GAUGE LINE

P/N	Length	Compatibility	Notes
122179	96" (8 feet)	Gauge Line only	Not for Temperature Gauges

NOTE: Tubing kit above contains 96" of tubing and fittings. For use with Gauge Line gauges ONLY.

WARNING: Do not use these kits for mechanical temperature gauges. The tubing on mechanical temperature gauges is gas-filled and cannot be field-altered without damaging the gauge.

SPEED/RPM SENDERS & SENSORS Part Numbers:

Speedometer/Tachometer Sensors & Senders				
P/N	Type	Configuration	Notes	Sender Tip
82646	Magnetic Sensor	3/4"-16 UNF thread	Can run 2 tachs or speedos *1	N/A
990R	Magnetic Sensor, Dual Output	3/4"-16 UNF thread	Packard Connectors	N/A
82623B	Hall-Effect Sender	7/8"-18 thread	8 Pulse/rev. *1	0.187" tang
82565-F	Mechanical Shaft Take-off	Two-wire hookup	Distributors or Magnetos	0.104" square

NOTES:

*1 = One sender will operate either two speedometers or two tachometers.

82646 Description:

- One sender will operate two tachometers or two speedometers
- Flywheel Ring application for tach; Tone Wheel application for speed
- 3/4"-16 UNF thread

82623B Description:

- One sender will operate two tachometers or two speedometers
- 8 pulses per revolution (Square Wave) – 3,500 RPM maximum
- Connects to mechanical shaft take-off
- Requires 12VDC input; 3-wire hook-up; includes .187" tang tip
- 7/8"-18 thread

82565-F Description:

- Use with gasoline-engine tachometers that connect to mechanical shaft take-off on distributors or magnetos
- No voltage input required; easy two-wire hookup; includes .104" tip

Speedometer/Tachometer Sender Tips	
P/N	Sender Tip Size & End Type
82625	0.187" diameter Tang end
82626	0.152" diameter Tang end
82629	0.104" square end

Right Angle Adapter for Flexshafts				
P/N	Ratio	Thread Size	Direction of Rotation	Drive Tip
407010-F	1:1	5/8"-18	Clockwise	0.104" square
411335-D	1:1	5/8"-18	Counterclockwise	0.104" square

Ford Quick Disconnect Adapter	
P/N	Notes
366ADB	(order 82623B Hall Effect sender separately)





From left to right: Hobbs Single Circuit Pressure and Dual Circuit Pressure, Stewart Warner Blade Type and Screw Type Terminal Temperature Switches.

They Know How to Handle Heat and Pressure.

Switches

Hobbs & Stewart Warner 5000 Series Pressure Switches are superbly designed for extended duty applications, featuring durable construction, compact size and enhanced set point integrity.

Available in single or dual circuit configurations, factory set points range from 1 to 100 PSI and operating pressure limits are 150 or 250 PSI, depending on model.

Stewart Warner branded 5000 series pressure switches deliver the same high-quality performance as the Honeywell/Hobbs brand units, but at lower prices – to satisfy customers who insist on the Honeywell/Hobbs solution *and* those who prefer the Stewart Warner alternative.

The table on page 4 lists available part numbers, which cover a range from 1 to 100 PSI in normally open or normally closed configurations, with 7 dual-circuit units (our newest additions). These part numbers support over 95% of the market's pressure switch requirements. (*Stewart Warner 5000 Series part numbers have SW prefix.*)

NOTE: Stewart Warner brand pressure switches are designed to withstand harsh conditions in heavy-duty applications, plus they serve as form-fit-function replacements for other popular switches in the marketplace.

5000 Series Pressure Switch Features:

- Durable construction
- Enhanced set-point integrity
- Compact size
- Corrosion-resistant materials
- Broad operating range: 1-100 PSI
- Dual- and triple-terminal configurations
- Designed for form-fit-function replacement

Stewart Warner Pressure Switches offer excellent accuracy and repeatability.

Standard SW Temperature Switches offer excellent accuracy and repeatability, normally open gold-plated contacts and are voltage independent.

5000 Series Pressure Switches:

Physical:

- Kapton® polyimide film diaphragm ensures compatibility with a wide variety of fluids
- Silver alloy, gold-plated contacts
- Base: Brass
- Cover: Glass-reinforced polyester

Specifications:

- Factory Set Points Available: 1 to 100 PSI
- Circuitry:
 - Single Circuit units are available in N.O. (Normally Open) or N.C. (Normally Closed) configuration;*
 - Dual Circuit units are configurable as either N.O. or NC. by the installer*
- Direct action blade contact
- Connector: 1/8-27 NPT male thread
- Terminals: #8-32 screws

Ratings:

- Operating Pressures:
 - 150 PSI for 1-24 PSI set point range;*
 - 250 PSI for 25-100 PSI set point range*
- Proof Pressure: 500 PSI
- Burst Pressures:
 - 750 PSI for 1-24 PSI set point range;*
 - 1,250 PSI for 25-100 PSI set point range*
- Resistive:
 - 15 AMP-6 VDC;*
 - 8 AMP-12 VDC;*
 - 4 AMP-24 VDC*
- Inductive:
 - 1 AMP-120 VAC;*
 - 0.5-240 VAC*
- Temperature Range: -40°F to +250°F
- Operating Media: air, motor oils, transmission oils, jet fuels, other similar hydrocarbon media

Standard Pressure Switches:

- Robust construction for maximum strength
- Diaphragm assembly is N.O. (Normally Open)
- Switches are voltage independent
- 1/8" NPT male thread
- P/N 364L-F set point: 6 PSI
- P/N 364K-F set point: 15 PSI

Standard Temperature Switches:

- Excellent accuracy and repeatability
- Solid brass body
- Gold-plated contacts
- Contacts are N.O. (Normally Open)
- Switches are voltage independent

More Information:

Consult with your Maximatecc salesperson for additional details about related products.



PRESSURE & TEMPERATURE SWITCH Part Numbers:



78628 shown (typical of all single-circuit 5000 series)



76071 shown (typical of all dual-circuit 5000 series)



364K-F

364L-F



83301 shown

83303 shown

Hobbs & Stewart Warner 5000 Series Pressure Switches

Hobbs P/N	Stewart Warner Replacement P/N	Factory Set Point	Circuitry	Terminals	Notes
78628	SW78628	1 PSI	N.O.	2 (Screw)	Single Circuit
76051	SW76051	2 PSI	N.O.	2 (Screw)	Single Circuit
76061	SW76061	2 PSI	N.C.	2 (Screw)	Single Circuit
76575	SW76575	4 PSI	N.O.	2 (Screw)	Single Circuit
76577	SW76577	4 PSI	N.C.	2 (Screw)	Single Circuit
76576	SW76576	10 PSI	N.O.	2 (Screw)	Single Circuit
76578	SW76578	10 PSI	N.C.	2 (Screw)	Single Circuit
76052	SW76052	15 PSI	N.O.	2 (Screw)	Single Circuit
76062	SW76062	15 PSI	N.C.	2 (Screw)	Single Circuit
76053	SW76053	35 PSI	N.O.	2 (Screw)	Single Circuit
76063	SW76063	35 PSI	N.C.	2 (Screw)	Single Circuit
76054	SW76054-A	60 PSI	N.O.	2 (Screw)	Single Circuit
76064	SW76064	60 PSI	N.C.	2 (Screw)	Single Circuit
76055	SW76055	100 PSI	N.O.	2 (Screw)	Single Circuit
76065	SW76065	100 PSI	N.C.	2 (Screw)	Single Circuit
76071	SW76071	2 PSI	N.O./N.C.	3 (Screw)	Dual Circuit
76579	SW76579	4 PSI	N.O./N.C.	3 (Screw)	Dual Circuit
76580	SW76580	10 PSI	N.O./N.C.	3 (Screw)	Dual Circuit
76072	SW76072	15 PSI	N.O./N.C.	3 (Screw)	Dual Circuit
76073	SW76073	35 PSI	N.O./N.C.	3 (Screw)	Dual Circuit
76074	SW76074	60 PSI	N.O./N.C.	3 (Screw)	Dual Circuit
76075	SW76075	100 PSI	N.O./N.C.	3 (Screw)	Dual Circuit

NOTES:

N.O. = Normally Open; N.C. = Normally Closed

Standard Pressure Switches

P/N	Thread Size	Set Point	Terminal	Circuitry	Notes
364K-F	1/8" NPT	15 PSI	1 (Post/Nut)	N.O.	Single Circuit, Self-Grounding
364L-F	1/8" NPT	6 PSI	1 (Spade)	N.O.	Single Circuit, Self-Grounding

NOTES:

N.O. = Normally Open; N.C. = Normally Closed

Standard Temperature Switches

P/N	Thread Size	Temperature	Terminal	Replaces	Notes
83300	1/4" NPTF	200 °F	1 (Spade)	363D-D	Self-Grounding
83301	1/4" NPTF	225 °F	1 (Spade)	263AM-D	Self-Grounding
83303	1/4" NPTF	240 °F	1 (Screw)	363CP	Self-Grounding
83304	3/8" NPTF	200 °F	1 (Spade)	363E-D	Self-Grounding
83305	3/8" NPTF	220 °F	1 (Screw)	363AY	Self-Grounding
83307	1/2" NPTF	200 °F	1 (Spade)	363F-D	Self-Grounding
83309	1/2" NPTF	215 °F	1 (Screw)	363AX	Self-Grounding
83310	1/2" NPTF	225 °F	1 (Spade)	363G-F	Self-Grounding
83311	1/2" NPTF	250 °F	1 (Screw)	363W-F	Self-Grounding



Left to right: Hobbs Wide Floods, Spot, Trap, Narrow Flood, Driving, Flush Mount

Hobbs Lighting from Stewart Warner: Brilliant.

Designed to last, Hobbs Halogen Lamps are easy-to-install, commercial grade units available in 12 VDC & 24 VDC models with a variety of beam patterns. *HOBBS MEANS HEAVY DUTY!*

- Ideal for a wide array of vehicle as well as moving and stationary equipment applications
- Durable sealed beam construction
- Rugged polymer housings
- Available configurations:
 - Bracket/Stem Mount: 12V/50W*
 - Bracket/Stem Mount: 24V/60W*
 - Bracket/Stem Mount: 12V/35W/60W (hi-lo beam)*
 - Flush Mount (12V/50W only)*
 - Marine (24V/60W only)*
- Available beam patterns include: Wide Flood, Narrow Flood, Trap, Spot and High-Low Beam (Driving)
- Easy-to-install through-hole mounting of most models protects wire leads at attachment point
- Available flush mounted design is ideal for installation in grilles, panels and applications in which minimal protrusion is desirable.

Heavy Duty Flashers are equipped with a spring mass drive motor, which provides up to ten times the service life of conventional thermal flashers and operates even when the voltage in a 12VDC system drops as low as 9 volts. These units exceed SAE J-590B and J-945 specifications.

- Rugged Polypropylene housing
- Electro-mechanical (spring mass) motor
- Silver alloy contacts
- 1/4-inch blade, brass terminals
- Flash Rate: 60-120 CPM
- Adapter and extension terminals to convert from a square to a round mounting base
- Voltage Range: 9-16 VDC (12 VDC rated); 18-32 VDC (24 VDC rated)
- Terminal configuration:
 - B or X = Battery;*
 - P = Pilot (when present);*
 - L = Load*
- Temperature Range: -40°F to +180°F
- Conforms to Federal Motor Vehicle Safety Standard (FMVSS) 108
- Exceeds SAE J590B and SAE J-945 specs

LIGHTING Part Numbers:

Hobbs®



73761-11

Complete Lamp Assembly					
P/N	Replacement Sealed Beam	Beam Pattern	Voltage/Wattage	Current (Amps)	Lamp Type
73761-11	72408-11	Wide Flood	12V / 50W	4A	3" x 5" Halogen
71898-11	71017-11	Wide Flood	12V / 50W	4A	4" x 6" Halogen
72540-11	72541-11	Wide Flood	24V / 60W	2.5A	4" x 6" Halogen
73468-11	70510-11	Wide Flood	12V / 50W	4A	5" Round Halogen
73762-11	72573-11	Narrow Flood	12V / 50W	4A	3" x 5" Halogen
75109-11	78856-11	Narrow Flood	24V / 60W	2.5A	4" x 6" Halogen
73763-11	72801-11	Trapezoidal	12V / 50W	4A	3" x 5" Halogen
71915-11	71792-11	Trapezoidal	12V / 50W	4A	4" x 6" Halogen
72542-11	72543-11	Trapezoidal	24V / 60W	2.5A	4" x 6" Halogen
71902-11	71794-11	Spot	12V / 50W	4A	4" x 6" Halogen
72544-11	72545-11	Spot	24V / 60W	2.5A	4" x 6" Halogen
75237-11	75251-11	HI-LO Driving	12V / 35W / 60W	3A / 5A	4" x 6" Halogen



71898-11



72540-11



73468-11



73762-11



75109-11



73763-11



71915-11



72542-11



71902-11



72544-11



75237-11

(Please see next page for replacement sealed beam pictures.)

LIGHTING Part Numbers:

Hobbs®



70744

Marine Complete Lamp Assembly

P/N	Replacement Sealed Beam	Beam Pattern	Voltage/Wattage	Current (Amps)	Lamp Type
72530-23	72728-15	Flood 80° x 30°	24V / 60W	2.5A	4" x 6" Halogen

NOTES:

Marine assembly with a white body. Includes spreader bracket.

Flush Mount Lamp Assembly

P/N	Beam Pattern	Voltage/Wattage	Termination
70744	Trapezoidal 35° x 35°	12V 50W	2 1/4" Male Blades

REPLACEMENT SEALED BEAMS:



72408-11



71017-11



72541-11



72573-11



78856-11



72801-11



71792-11



72543-11



71794-11



72545-11

NOT PICTURED:

70510-11,
75251-11,
72728-15

Hobbs®

(Please see previous page for complete lamp assembly part numbers.)

FLASHER Part Numbers:

Heavy Duty Flashers

P/N	Voltage	Terminals	Mounting	Compatible Number
15570-01	12V	2	Ears	13600-01
15571-01	12V	3	Ears	15513-01
13610-01	24V	2	Ears	
15550-01	24V	3	Ears	

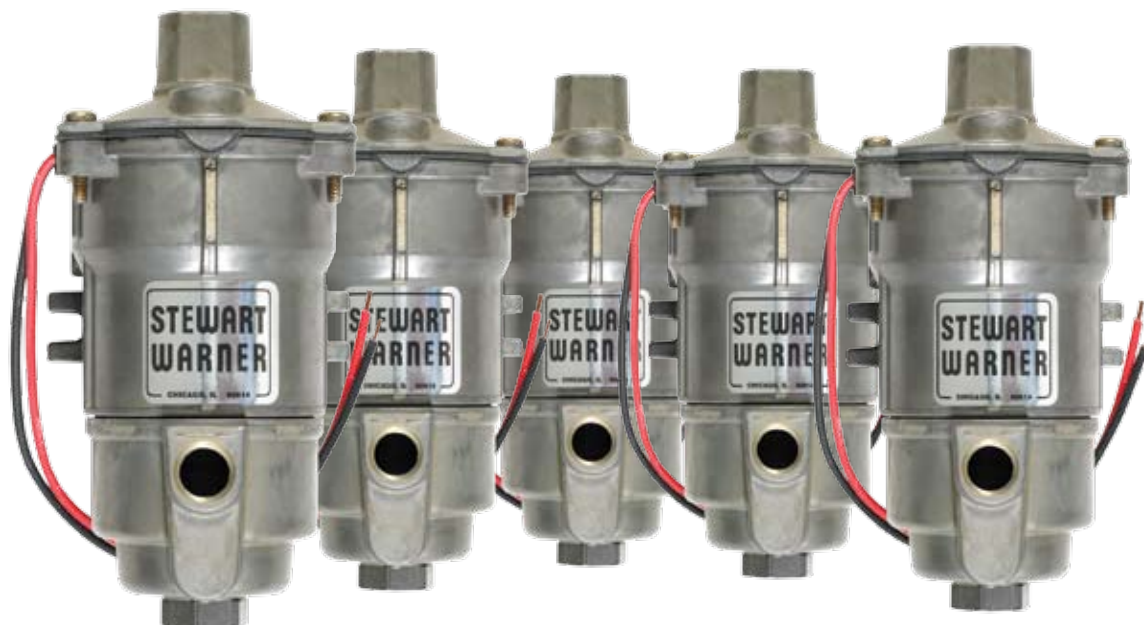
Hobbs®

15570-01
shown



15550-01
shown





The line-up of Stewart Warner fuel pumps

Go With the Flow: Choose Stewart Warner.

Stewart Warner is pleased to offer a line-up of enhanced Fuel Pump models! These rugged, meticulously engineered units provide outstanding versatility and durability – ideal for carbureted engines.

All models are compatible with commercially available pump grade gasoline, ethanol blends (including E85), diesel or bio-diesel.

Our 12 VDC fuel pumps are offered in ranges of 6-8 PSI, 20-43 GPH (75-162 LPH).

A 24 VDC unit is offered with 8 PSI/43 GPH capacities. U.S. Coast Guard and CE approved.

For the performance you need, choose Stewart Warner fuel pumps!

Stewart Warner Fuel Pump Features:

- Current requirement: < 2 amps average
- Reverse polarity protected up to 60 minutes
- Self priming (dry lift) of more than 120 cm (48")
- Dry run capable up to 4 hours
- Compatible with all commercially available pump grade gasoline, ethanol blends including E85, diesel or bio-diesel (20% & 100%)
- Operating temperature: -40°F to +155°F (-40° to +68°C)
- Transient voltage protected to 100 volts
- U.S. Coast Guard 16623-1 and 16623-2 approved
- European CE standards EN 61000-6-2 and EN 6-3-2100 approved

More Information:

Consult with your Maximatecc salesperson for additional details about related products.

FUEL PUMP Part Numbers:

Fuel Pumps					
P/N	Voltage	PSI	GPH	Thread	Note
82089	12	7	20	1/8"-27 NPSF	One-piece aluminum fuel bowl
82091	12	8	43	1/4"-18 NPSF	Neutral Ground
82092	12	8	43	1/4"-18 NPSF	Corrosion resistant coating for marine use
82093	24	8	43	1/4"-18 NPSF	Neutral Ground
82095	12	6	36	1/4"-18 NPSF	Neutral Ground

Fuel Pump Service Kit	
P/N	Note
82960	Service kit for all fuel pumps listed above



82089 shown

Unique Features:

(GOOD) P/N 82089:

- For carburetor applications where low cost and good durability are required (not for fuel injected vehicles)
- Not compatible with E85 fuel
- Flow to up 52 GPH (190 LPH)
- Continuous duty life (diesel fuel): > 5,000 hrs
- Weight: 1.83 lbs (0.83 kg)
- Pump cycles continuously when power is on

(BETTER) P/N 82095:

- For carburetor applications where low cost and better durability are important and fuel quality is questionable (not for fuel injected vehicles)
- Flow up to 55 GPH (210 LPH)
- Continuous duty life (diesel fuel): > 10,000 hrs
- Weight: 1.83 lbs (0.83 kg)
- Pump cycles continuously when power is on
- Replaceable filter

(BEST) P/Ns 82091, 82092 & 82093:

- For carburetor applications where battery life, low noise and best durability are important and fuel quality is questionable (not for fuel injected vehicles)
- Flow up to 60 GPH (225 LPH)
- Ampere hours: up to 70% less than 82089 and 82095
- Continuous duty life (diesel fuel): > 18,000 hrs
- Weight: 1.83 lbs (0.83 kg)
- Pump cycles only when fuel is demanded
- Replaceable filter





Light Kits, Gauge Panel, Ammeter Shunt, Audio Visual Warning Kit and Voltage Adapter Kit

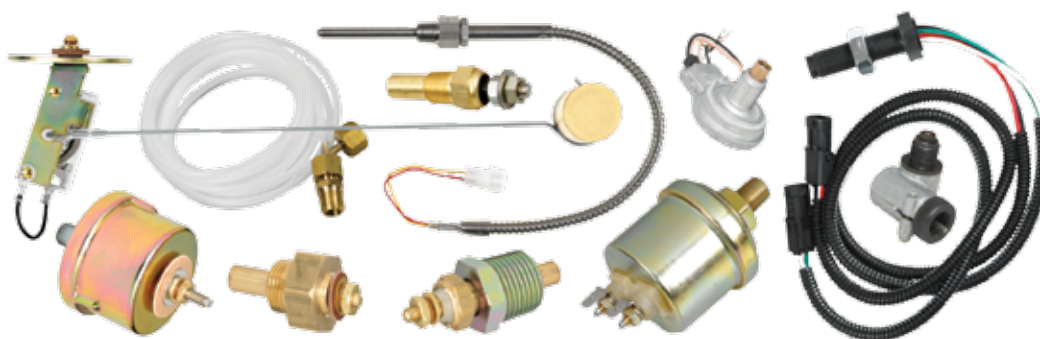
The Original. Accept No Substitutes.

Genuine Stewart Warner accessories assure you of the accurate, consistent performance engineered into our gauges.

When you buy a Stewart Warner gauge, you are choosing quality, so finish the job right with genuine Stewart Warner accessories!

Match with Stewart Warner senders for a perfectly tuned "system solution."

- The industry standard for nearly 50 years
- Light kits: designed specifically for Stewart Warner gauges, available in 12 and 24 volt.
- Gauge panels: rugged designs accept 1, 2 or 3 small gauges or one 3" speedometer or tach.
- Ammeter shunts: when external shunting is required.
- Voltage adapters: allow 12-volt Stewart Warner gauges to be used in 24 volt systems.
- Audio Visual Warning light/buzzer kits.



Accessory Part Numbers:

Replacement Light Kits (EXCEPT Gauge Line)					
P/N	Light Hole Ø in	Socket Type	Voltage	Type	Number of Wires
366FK-F	5/8"	Metal, 1" long	12 Volt	Push-in	1 (black) *1
366CH	5/8"	Metal, 1" long	12 Volt	Mounting bracket	1 (black) *1
366SX	5/8"	Plastic, 1" long	12 Volt	Push-in	2 (black/white) *1
366SX24	5/8"	Plastic, 1" long	24 Volt	Push-in	2 (black/white) *1
82551	1/2"	Metal, 1" long	12 Volt	Push-in	1 (black) *1
82550	1/2"	Metal, 1" long	12 Volt	Push-in	2 (black/white) *1

NOTES:

*1 = Actual product appearance may differ from table and pictures.

Single-wire light kits are for use with a metal gauge case that is grounded to the electrical system.

Two-wire light kits include a dedicated ground wire and are for use when ground cannot be made via the gauge case.

These light kits are NOT for use with Gauge Line gauges.



366FK-F shown



366CH



366SX24 shown



82550 shown

Replacement Light Kits – GAUGE LINE					
P/N	Compatibility	Light Socket	Voltage	Type	Number of Wires
122001	Gauge Line only	Plastic	12 Volt	Push-in	2 (black/red) *1
122335	Gauge Line only	Plastic	24 Volt	Push-in	2 (black/red) *1

NOTES:

*1 = Actual product appearance may differ from table and pictures.

These light kits are for use with Gauge Line gauges ONLY.



122335 shown

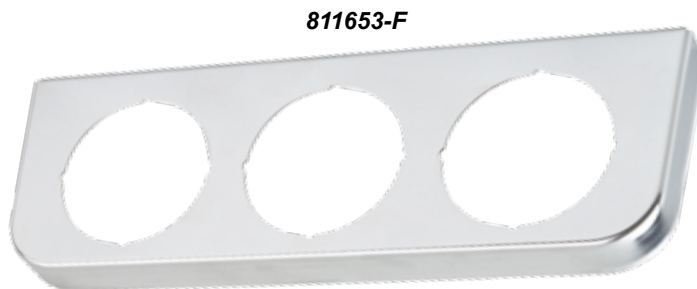
Gauge Mounting Panels			
P/N	Gauge Size	Surface Finish	Notes
817825-F	2-1/16"	Chrome	1 Hole
814143-F	2-1/16"	Chrome	2 Hole
811653-F	2-1/16"	Chrome	3 Hole
366ACM	3-3/8"	Black	1 Hole



817825-F



814143-F



811653-F

Accessory Part Numbers:



407616 shown

Shunts for Ammeters

P/N	Amps
813489	60
407616	100
413717	150 / 300

NOTES:

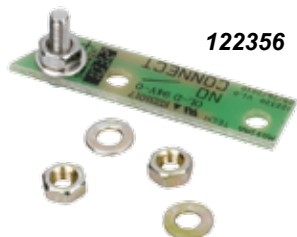
For use with ammeters requiring external shunts.



413717



829525-2D



122356

Voltage Adapters (24-to-12 VDC)

P/N	System Voltage	Application Compatibility
829525-2D	24VDC	Stewart Warner except Gauge Line
122356	24VDC	Gauge Line ONLY

Description:

- Adapts a 12 VDC gauge to function within a 24 VDC electrical system.



825104-D

Audio Visual Warning – Light/Buzzer

P/N	Description
825104-D	Audio-Visual Alarm – Light and Buzzer
366TJ	Audio-Visual Alarm – Light and Buzzer Kit Kit Includes: Light and Buzzer P/N 825104-D, P/N 364L-F Pressure Switch (6 PSI, 1/8" NPT) and P/N 83307 Temperature Switch (200° F, 1/2" NPTF)



366TJ



Have Questions? Contact Us!

Get the Answers You Need From Stewart Warner.

Stewart Warner Deluxe set the industry standard in classic gauge design almost 50 years ago. Ideal for heavy duty and automotive applications alike, our gauges combine distinctive styling with robust construction. *Matched with Stewart Warner senders, our gauges give you a perfectly tuned "system solution."*

On the following pages is OEM part number cross-reference information. More technical information will be available in future editions of this catalog.

The following information is available now in our *Stewart Warner Performance Products Catalog* and will be coming to this catalog soon!

- Application Guidelines
- Product Specifications
- Installation and Troubleshooting Help
- Dimensions and Mounting Details
- Wiring Configurations
- Product Cross-Reference Information
- And Much More!

Please Note: Pricing and availability for service and legacy parts cross-referenced to OEM items is subject to change without notice. maximatecc will endeavor to supply these parts, but certain items could become obsolete due to component availability and/or low or no demand and we make no declarations as to their continued availability. Consult with maximatecc's customer service or sales team as required.

More Information:

If you have questions, contact us anytime!

Call 800-676-1837 or consult with your maximatecc salesperson for additional details.

AGCO

AGCO		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
18171 or 6005262	SDR,TEMP,DAH,1/2NPTF 05	02025-00
20187	GA,TEMP,WATER,826EM DAH12NEG5/8	06347-01
24914	VM,830EM 12NEG5/8	06351-01
25503	TACH-HM,124A30EM,00533-01067	71723-00
25504	LIGHT KIT,WGB,12,1CP	03123-00
34863	GA,PRESS,882EM DA12NEG5/8	06341-01
34884	HRMTR,876IB 12/24 ALTNTR	100224
35101	SDR,TEMP,DAH,M14X1.5,05	02089-00
35102	SDR,PRESS,100DA,1/8,EGND,#10ST	02505-00
738432	SWITCH TEMP REV H	413BP
6662802	GA,PRESS,881EM AC12NEG5/8	06910-01
6669380	LT CLST,3,12P,27,U,RYRNRNRN,B	107052
70261619	SENDER FUEL REV K	389BC
71312851	SENDER TEMP REV E	334AD
71352220	SENDER TEMP REV C	334EZ
71398110	GASKET,FUEL SDR,BUNA-N [837256]	02343-04
71407293	SDR,FUEL,INTELLISENSOR,VOUT,W/PACKARD CONN,30.5"TK	122425
71448091	SDR,FUEL,INTELLISENSOR,VOUT,W/PACKARD CONN,30.5"TK	122425
74856964	SWITCH TEMP. REV F (SPPR)	413W
700705648	HRMTR,MINI,2-HOLE	102033
700724959	SDR,TEMP,DAH,M18X1.5,05	02069-00
700725022	SDR,PRESS,HD,80DA,1/8,#10STUD,BLADE GND (RAW)	111473
0008022022	GA,FUEL,810EM DA12NEG5/8	06339-01
0008025025	SDR,FUEL,FXD,0136361200	02381-90
0072161075	SENDER FUEL REV J	439310
0072161989	SENDER FUEL REV K	439309
0700708877 or 2754246M1	SDR,PRESS,80DA,1/8,EGND,#10STU REV J	02504-00
1056152M1	FLOAT, REV H	836092
1074335V91	GA,FUEL,810IP DA12NEG5/8	100177
1079384M91	SDR,FUEL,FXD,0508040199 (SPPR)	102186
10834W1	SWITCH TEMP REV F	413AY
1787610W91	SDR,PRESS,100AC,1/8,EGND,#10ST	02505-02
189160M91	SDR,FUEL,FXD,0141990100	102181
189201M91	SDR,FUEL,FXD,0141990100	102185
24913 or 6634273	GA,FUEL,810EM DA12NEG5/8	06339-01
2749730M91	SENDER TEMP REV F	334AT

(Continued on next page.)

AGCO

AGCO		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
285296M1	SDR,FUEL,FXD,THKFLM,21.0DA2(RAW) WITH GASKET & SCR	02300-31C
30_3129462	SENDER TEMP REV E (RAW)	334AP
30_3184412	SENDER TEMP REV J	334N
30_3185052	SENDER PRESSURE REV L	411L
30_3401855	SENDER FUEL REV.J	439311
30-3094030	SWITCH TEMP. REV F	413J
30-3133958	SWITCH PRESS REV V	364K
3609798M1	SDR,FUEL,FXD,0109090399 (SPPR) REV. B	102182
3609809M92	SDR,FUEL,FXD,9999999499 REV. C	102390
3609841M1	SDR,FUEL,FXD,0113130399	102184
3609986M91	VM,830IP 12NEG5/8	100263
506902M92	GA,PRESS,M,OIL,384IP 5/8	102252
528415M91	GA,PRESS,M,OIL,382CU (MASSEY-FERGUSON)	102198
528418V92	AMM,864AB 40,5/8 12NEG	101353
530558M1	GA,PRESS,M,OIL,381IB 5/8	100186
531209M1 or 530587M91	SENDER TEMP REV J	362EX
586835M93	SDR,FUEL,FXD,9924990999 (SPPR) REV.B	102240
71311647V	VM,830AB 12NEG5/8,COLOR CODED	101360
WR24911	SDR,FUEL,FXD,THK FLM,13.0DA2 (RAW)	02300-15
WR25503	TACH-HM,124A30EM,00533-01067	71723-00
WR30942	GA,TEMP,WATER,826CU DAH12NEG5/8 (NO LOGO)	106325
WR34884	HRMTR,876IB 12/24 ALTNTR	100224
WR35102	SDR,PRESS,100DA,1/8,EGND,#10ST	02505-00
—	SDR,FUEL,FXD,THK,FLM,17.5DA2 WITH GAKET & SCREW	02300-24C
—	SDR,TEMP,DAH,1/2NPTF 05	02025-00
—	SDR,PRESS,HD,100DA,1/8,#10STUD	102225
—	SENDER TEMP REV H	334P
—	INST KIT REV A	366LP-F1
—	SDR,FUEL,ADJ,SW,THK FLM REV. N	385AB
—	GASKET,W/STPL (02343-02)	837603
—	GA,TEMP,WATER,825IB DAL12NEG5/8	100683
—	SDR,FUEL,INTELLISENSOR,VOUT,W/PACKARD CONN,30.5"TK	122425
—	GA,FUEL,810 0599011301 12NEG	06121-11

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Atlas Copco

Atlas Copco		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
57443954	KIT, SOCKET & LAMP REV B	366SX24
57443962	GASKET, TANK UNIT REV J	72030
57534281	GAUGE BT2 FUEL 24V REV D	458H
57534299	SENDER FUEL REV AC	391C

Blue Bird

Blue Bird Bus		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
1340777	SDR,PRESS,125AC,1/8,EGND,#10ST REV I	02506-02
2025815	GASKET, TANK UNIT REV J	72030
804294	AMMETER SHUNT REV S	407616
—	FLOAT, REV H	836092

More Information:

If you have questions, contact us anytime!

Call 800-676-1837 or consult with your maximatecc salesperson for additional details.



The following information is available now in our *Stewart Warner Performance Products Catalog* and will be coming to this catalog soon!

- Application Guidelines
- Product Specifications
- Installation and Troubleshooting Help
- Dimensions and Mounting Details
- Wiring Configurations
- Product Cross-Reference Information
- And Much More!

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Bobcat

Bobcat Company		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
6519201	GASKET, TANK UNIT REV J	72030
6538813	SDR,FUEL,FXD,9999999299 REV. C	04138-52
6563210	SDR,FUEL,FXD,0199309400	02380-31
6568175	SDR,FUEL,FXD,9930990400 REV. J	02476-45
6598384	SWITCH TEMP REV H	413BB
6634273	GA,FUEL,810EM DA12NEG5/8	06339-01
6655971	SDR,PRESS,150AC,1/8,EGND,#10ST	100479
6661201	GAUGE BT2 VOLT 12V REV X	876005-P
6661204	LENS REV A	835612
6664022	BEZEL & GSKT.ASSEM REV H	828022
6664894	SDR,TEMP,DAL,1/8NPTF,05	02017-00
7011902	SDR,FUEL,ADJ,HD,DA2,THK FLM REV. D	100438P
5204933B	SENDER FUEL REV P	385C
–	SDR,FUEL,FXD,THK,FLM,20.5DA4	02301-30A
–	GASKET,FUEL SDR,CK-NPRN,W/STPL	02343-02
–	SWITCH TEMP REP. 363D-D REV J	83300
–	SENDER TEMP KIT REV C	280EA
–	SENDER TEMP KIT REV C	280EE-F
–	GAUGE BT2 TEMP 12V REV. V	465ER
–	GAUGE BT2 TEMP 12V REV. W	465ET
–	GAUGE BT2 VOLT 24V, REV C (RAW)	471C1
–	RESISTOR UNIT REV W	829525-2D

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Caterpillar

Caterpillar (CAT)			
OEM P/N	Detailed Description	Stewart Warner Replacement P/N	Alternative P/N
106906	VM,830CU 12NEG5/8 (BLAW-KNOX)	106906	
0989059	SDR,FUEL,FXD,0724212100,THK FLM	04045-81	
100-6851	SPDOM,131M05KMCU,03981-04323 (CAT)	101128	
100-6852	SPDOM,31M05KMCU,04308-04759 (CAT)	101129	
104-5687	VM,830 9999999999 12NEG (CAT)	101546	101910
105-1457	VM,831 9999999999 24NEG (CAT)	101708	
110-2338	SPDOM,131MO4KMCU,02905-03249 (CAT)	102373	
110-7749	SDR,FUEL,FXD,0718132100 REV. D	102351	110690
110-8468	TACH,127M30CU,06500 (CAT)	102377	103659
112-5127	SPDOM,131M80FTCU,23.84-28.08 (CAT)	102536	
114-6665	GA,PRESS,882 9999999999 12NEG (CAT)	103293	
116-4684	GA,FUEL,810CU DA24NEG5/8 (CAT)	103235	101584
116-4685	GA,CLUSTER,12/24NEG (CAT)	103236	
116-4686	BEZEL REPLACE KIT,CAT-4GA CLST (CAT)	103237	
118-8316	SDR,FUEL,FXD,0712112100 REV. D	104179	
121-0404	SDR,FUEL,FXD,0330302100 REV. F	104667	
121-9681	TACH,127M30CU,06500 (CAT)	104890	
122-8034	GA MDL,REPLACE KIT,826CU 12 (CAT)	104998	
124-4266	TACH,127M35CU,06592 (CAT)	105372	103665
126-2865	GA,TEMP,WATER,826CU AC2(24)24NEG5/8 (CAT)	105722	
131-6440	SPDOM,131MX6KMCU,02905-03249 (CAT)	106684	
133-8721	GAUGE BT2 VOLTMETER REV.B	475Y	
141-2632	SDR,FUEL,FXD,HD,PAL 6 REV. D	107275	
141-2633	SDR,FUEL,FXD,HD,PAL 6 REV. D	107277	
141-2948	SDR,FUEL,FXD,HD,PAL 6 REV. D	107276	
144-9420	SDR,FUEL,FXD,HD,PAL 6 REV. C	107383	
148-5743	SDR,TEMP,AC2(24),9/16X18UNF,THERMO-ISOLATED	107602	
155-025	GA,TEMP,OIL,828CU DAH12NEG5/8 (BLAW-KNOX)	106904	
155-6003	GA,TEMP,823 9999999999 24NEG (CAT)	109425	
155-6005	TACH,127M27CU,06795 (CAT)	109427	
161-3932	HRMTR,DIGITAL,2" (Same as 120159 W/NEW LABEL)	121648	120491
173-7098	GA,PRESS,881 9999999999 24NEG (CAT)	109601	
175-3088	TACH,DGTL,26CU,INTEGRAL CONNECTOR,LIGHTED	111073	
175-3089	SNSR,TEMP,AC2(24),1/2NPTF,ISO,DEUTSCH	110068	
180-3834	GA MDL,REPLACE KIT,8XXCU 12 (CAT)	110568	
180-3836	GA MDL,REPLACE KIT,810CU 12 (CAT)	110312	

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Caterpillar

Caterpillar (CAT)			
OEM P/N	Detailed Description	Stewart Warner Replacement P/N	Alternative P/N
187-1050	GA,CLUSTER,24NEG (CAT)	110606	
187-1051	GA,CLUSTER,24NEG (CAT)	110607	
191-9272	SPDOM,51M25KMCU,00480 (CAT)	109468	
197-4695	TACH,12M50CU,00334(CAT)	110955	
197-7347	TACH,DGTL,26CU,INTEGRAL CONNECTOR,LIGHTED	111073	111567
197-7348	TACH,DGTL,26CU,INTEGRAL CONNECTOR,NON-LIGHTED	111074	111567
197-8832	HRMTR,DIGITAL,2" (Same as 120159 W/NEW LABEL)	121357	120491
1F-7307	AMMETER 30-0-30 REV P	337DF-1	
1W-6379	VM,830CU 12NEG5/8 (CAT)	06863-81	
1W-8914	GAUGE AMMETER REV R	337DH	
214-7861	SPDOM,16G80CU	112578	
225-0282	TACH-HM,128M35CU,07583 (CAT)	112579	100240
225-0283	TACH-HM,128M35CU,06591 (CAT)	112580	100240
225-0284	TACH-HM,128M35CU,07933 (CAT)	112581	100240
230-5813	SDR,FUEL,FXD,HD,PAL 6,12" TK REV. B	115104	102535
269-5479	CLUSTER,CWL-H SERIES,CAT	119175	
275-2130	CLUSTER,GEN III,CENTURY,CAT	120403	
285-9075	HRMTR,DIGITAL,9/32,6-DIGIT,2",CAT REV. D	120159	120491
287-3260	GA,CLUSTER,24NEG w/DT04-6P (CAT)	120169	
292-7094	KIT,DIGITAL HRMTR,RECT,289-9735,CAT (JEP) REV. B	121019	120492
2W-5111	AMM,866 9999999999 (CAT)	06864-19	100160
300-1302	HRMTR,DIGITAL,RECT,9/32,6-DIGIT,CAT	120160	120491
301-7293	KIT,DIGITAL HRMTR,RECT,301-7293,CAT (JEP) REV. B	121015	120492
311-0186	TACH,127M40CU,00600-02000/12,w/FOAM SLEEVES (CAT)	120649	
317-3880	CLUSTER,GEN III,D6N,CAT	120945	
318-0013	CLUSTER,GEN III,WTS,CAT	121586	
319-8871	SDR,FUEL,MINI-INTEL,23.07"TK,VOUT,24V,w/CONN	121195	
329-3086	CLUSTER,GEN III,CATALYST 4A,CAT	121430	
329-4685	CLUSTER,GEN III,D6T	121440	
329-5704	TEMPERATURE SENDER REV B	121282	

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Caterpillar

Caterpillar (CAT)			
OEM P/N	Detailed Description	Stewart Warner Replacement P/N	Alternative P/N
348-3021	CLUSTER,GEN III,D782	121930	
348-5738	CLUSTER,PVD,24V,SWL	121943	
360-2984	CLUSTER,GEN III,KBL	122328	
361-7150	HRMTR,DIGITAL,9/32,6-DIGIT,2",CAT REV.A	122310	120491
361-7151	HRMTR,DIGITAL,RECT,9/32,6-DIGIT,CAT REV. A	122311	120492
362-0288	KIT,DIGITAL HRMTR,2",362-0288,CAT (JEP) REV. A	122313	120491
362-0289	KIT,DIGITAL HRMTR,RECT,362-0289,CAT (JEP) REV. B	122314	120492
362-0290	KIT,DIGITAL HRMTR,2" CHROME,362-0290,CAT REV. B(RAW)	122315	
366-0367	HRMTR,DIGITAL,2",CAT 366-0367 REV.A (RAW)	122501	120491
366-4622	KIT,DIGITAL HRMTR,2",366-4622,CAT (JEP) REV. B(RAW)	122504	120491
369-6072	CLUSTER,MESSAGE DISPLAY,MG T4F,369-6072	122808	
371-8255	CLUSTER,GEN III,D6N-T4,CAT	122770	
375-0841	INST,DDB,54ALBLKLP,1-4V,FUEL LEVEL,ANALOG,24V	123137	
375-4673	CLUSTER,GEN III,MWL-T4F,CAT	122830	
380-9851	CLUSTER,PVD,12V,BHL	122942	
386-1373	CLUSTER,MESSAGE DISPLAY,D7E-T4,386-1373	123107	
386-1374	CLUSTER,MESSAGE DISPLAY,D6T/D7E T4F,386-1374	123091	
386-1376	CLUSTER, MESSAGE DISPLAY, D7E2-T4, 386-1376	123109	
386-1377	CLUSTER,MESSAGE DISPLAY,D6T2-T4, 386-1377	123108	
386-1403	CLUSTER,MESSAGE DISPLAY,WTS 620,386-1403	123136	
386-1405	CLUSTER,MESSAGE DISPLAY,WSK,386-1405	123098	
391-7036	CLUSTER,MESSAGE DISPLAY,CATALYST 4A,391-7036	123196	
391-7037	CLUSTER,MESSAGE DISPLAY,D6N-T4,391-7037	123195	
391-7038	CLUSTER,MESSAGE DISPLAY,WTS,391-7038	123197	
391-7039	CLUSTER,MESSAGE DISPLAY,KBL,391-7039	123198	
391-7040	CLUSTER,MESSAGE DISPLAY,D6N,391-7040	123194	
396-8914	CLUSTER,MESSAGE DISPLAY,MWL-T4F,396-8914	123297	
3E-3762	SPDOM,131D05MICU,07560 (CAT)	100845	
3E-3763	SPDOM,131D05MICU,04641 (CAT)	100805	
3E-7128	SDR,FUEL,FXD,9914142499 REV. D	100459	100438
3E-7240	GA,TEMP,82X 9999999999 24NEG (CAT)	07718-61	
3E-7318	TACH-HM,24M30CU,03224-06500/12 (CAT)	101059	103680
3E-7391	TACH,127A35CU,00576 (CAT)	100070	100230
3E-7597	GA,FUEL,810 9999999999 24NEG	100116	

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Caterpillar

Caterpillar (CAT)			
OEM P/N	Detailed Description	Stewart Warner Replacement P/N	Alternative P/N
3E-7889	GA,TEMP,823 9999999999 12NEG	100103	
3E-8532	GA,FUEL,810 9999999999 12NEG (CAT)	100129	100176
3E-8534	GA,TEMP,826 9999999999 12NEG (CAT)	100128	
3E-8535	GA,TEMP,826 9999999999 12NEG (CAT)	100127	
3E-9218	SDR,FUEL,FXD,9999222999 REV. F	100443	
3T-3408	SPDOM-ODOM,130D05MICU,00830/24 (CAT)	100807	
3T-6256	SPDOM-ODOM,130D05MICU,00933/24 (CAT)	100808	
416-5316	CLUSTER,PVD,BHL,416-5316	123338	
4N-3565	GAUGE BOURDON PRESS REV J	490DH	
4W-0483	GA,TEMP,823 9999999999 24NEG (CAT)	06831-00	
4W-0485	GA,TEMP,826 9999999999 24NEG (CAT)	06832-00	
4W-1129	GA,TEMP,823 9999999999 24NEG (CAT)	06865-39	
4W-2063	GA,TEMP,826 9999999999 24NEG (CAT)	06865-49	
4W-2064	GA,TEMP,822 9999999999 24NEG (CAT)	06865-47	
4W-2065	GA,PRESS,881 9999999999 24NEG (CAT)	06865-46	
4W-2066	GA,TEMP,826 9999999999 24NEG (CAT)	06865-50	
4W-2067	GA,TEMP,826 9999999999 24NEG (CAT)	06865-48	
4W-2141	GA,FUEL,810 9999999999 24NEG (CAT)	06865-45	
4W-2142	VM,830 9999999999 12NEG	06863-12	
4W-2620	GA,FUEL,810 9999999999 12NEG (CAT)	06865-66	100176
4W-2621	GA,TEMP,829 9999999999 12NEG	06865-67	
4W-6352	GA,PRESS,880 9999999999 12NEG (CAT)	06886-30	
4W-6353	GA,PRESS,881 9999999999 12NEG (CAT)	06886-31	
4W-6354	GA,FUEL,810 9999999999 12NEG (CAT)	06886-32	100678
4W-6355	GA,TEMP,826 9999999999 12NEG (CAT)	06886-33	
4W-6357	GA,TEMP,826 9999999999 12NEG (CAT)	06886-35	
4W-9972	SDR,TEMP,AC2(12),9/16-18,02	106959	
5L-7438	PLATE REV B *	432984	
5L-7441	RESISTOR UNIT REV X	829525-1	
6D-2379	GA,TEMP,824 9999999999 24NEG	07718-18	
6N-0672	GA,PRESS,884F 9999999999 24NEG	07350-61	

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Caterpillar

Caterpillar (CAT)			
OEM P/N	Detailed Description	Stewart Warner Replacement P/N	Alternative P/N
6N-0673	GA,PRESS,881 9999999999 24NEG (CAT)	07350-53	
6N-0674	GA,TEMP,826 9999999999 24NEG (CAT)	07350-60	
6N-0675	GA,TEMP,828 9999999999 24NEG	07350-65	
6R-5491	GA,FUEL,AC12NEG (TOWMOTOR)	101266	100677
6R-5493	GA,TEMP,AC2 12NEG (TOWMOTOR)	101265	
6T-3670	SDR,FUEL,ADJ,AC1,FLIP FLOAT,W/O HDW REV. E	04045-21	110690
7C-0192	GA,PRESS,883 9999999999 12NEG (CAT)	07076-01	
7C-0682	GA,TEMP,823 9999999999 24NEG (CAT)	06972-84	
7C-0683	GA,TEMP,826 9999999999 24NEG (CAT)	06972-81	
7C-0684	GA,TEMP,823 9999999999 24NEG	06972-82	
7C-0685	GA,FUEL,810 9999999999 24NEG (CAT)	06972-83	
7R-9920	SDR,FUEL,FXD,17.5DA2 REV. D	106337	100438
7T-3626	GA,PRESS,888 9999999999 24NEG	07076-76	
7W-0780	GA,PRESS,881 9999999999 24NEG (CAT)	06972-25	
7W-0782	GA,TEMP,823 9999999999 24NEG	06972-27	
7W-2060	GA,TEMP,823 9999999999 24NEG (CAT)	06972-96	
7W-2061	GA,TEMP,823 9999999999 12NEG (CAT)	06972-97	100683
7W-2935	GA,PRESS,888 9999999999 12NEG (CAT)	06972-98	
7W-2936	GA,PRESS,881 9999999999 12NEG (CAT)	06972-94	06340-01
7W-2937	GA,PRESS,881 9999999999 24NEG (CAT)	06972-95	06340-05
7W-3035	GA,PRESS,888 9999999999 24NEG (CAT)	06972-99	
7W-4927	GA,TEMP,82X 9999999999 24NEG (CAT)	06972-86	
7W-4928	GA,TEMP,828 9999999999 24NEG (CAT)	06972-87	
7W-9648	GA,TEMP,823 9999999999 12NEG	06972-75	
7X-1775	SPDOM,131M05KMCU,01383 (CAT)	71640-33	
8C-5469	TACH,127M30CU,05650 (CAT)	71767-88	103659
8C-5471	TACH,127M27CU,06795 (CAT)	71767-89	103659
8C-6355	SDR,FUEL,FXD,9999402999 REV. C	107108	
8C-7976	SDR,FUEL,FXD,0524240100 REV. D	04138-10	
8C-9807	SPDOM,131M05MICU,00158 (CAT)	100815	
8J-9871	GAUGE BT2 FUEL 12V REV B (RAW)	456B	
8M-7892	GAUGE AMMETER REV R	337DH1	
8T-9711	TACH,127L35CU,00875 (CAT)	100813	
9W-1490	KIT,DIGITAL HRMTR,CHROME,9W1490,CAT REV.C	121008	
9W-1491	KIT,DIGITAL HRMTR,CHROME,9W1491,CAT REV. B	121009	
9W-1494	KIT,DIGITAL HRMTR,2",CAT REV.A	121012	120491

(Continued on next page.)

Caterpillar

Caterpillar (CAT)			
OEM P/N	Detailed Description	Stewart Warner Replacement P/N	Alternative P/N
9W-1495	KIT,DIGITAL HRMTR,CHROME,9W1495,CAT REV. A	121013	
9W-3530	SPDOM-ODOM,130M05MICU,00532/24 (CAT)	100809	
9W-3531	SPDOM-ODOM,130M05MICU,00455/24 (CAT)	100811	
9X-0265	SDR,FUEL,FXD,0520152100 REV. C	107104	102535
9X-3496	GA,FUEL,810 9999999999 24NEG (CAT)	07556-01	
9X-4282	GA MDL,REPLACE KIT,882CU 12 (CAT)	07561-05	
9X-4283	GA MDL,REPLACE KIT,826CU 12 (CAT)	07561-06	
9X-4284	GA MDL,REPLACE KIT,823CU 12 (CAT)	07561-07	
9X-4285	GA MDL,REPLACE KIT,810CU 12 (CAT)	07561-08	
9X-4777	HOUSING REPLACEMENT KIT,ITT CANNON CONNECTOR (CAT)	07577-01	
9X-5627	SDR,FUEL,FXD,0509082100 REV. C	107103	102535
9X-6752	GA,CLUSTER,12/24NEG (CAT)	03330-00	
9X-6767	GA MDL,REPLACE KIT,BLANK	07561-10	
9X-6768	GA MDL,REPLACE KIT,823CU 12 (CAT)	07561-18	
CAP	CAP,PROTECTIVE,WHITE,2"INST	07659-01	

More Information:

If you have questions, contact us anytime!

Call 800-676-1837 or consult with your maximatecc salesperson for additional details.



The following information is available now in our *Stewart Warner Performance Products Catalog* and will be coming to this catalog soon!

- Application Guidelines
- Product Specifications
- Installation and Troubleshooting Help
- Dimensions and Mounting Details
- Wiring Configurations
- Product Cross-Reference Information
- And Much More!

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CNH

CNH (Case New Holland)		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
103161A1	SDR,FUEL,FXD,9999991200 REV. D (SPPR)	100335
107336C92	INSTRUMENT PANEL REV AM (RAW)	873016
118484A1	SDR,FUEL,FXD,9924992200 REV. E	101595
121606C2	GAUGE BT2 PRESS 12V REV D	883013-P
121607C2	GAUGE BT2 VOLT 12V REV X	876005-P
121756C2	SENDER TEMP REV E (SPPR)	334BL
121810C1	SENDER FUEL REV L	391JJ
12758850	SDR,FUEL,INTELLISENSOR,18.9",VOUT 1.0-4.0V	122346
130861C2	SWITCH TEMP REV H	413BE
131438C2	SDR,FUEL,FXD,9999991100 REV. D	100396
1341330C2	SENDER PRESSURE REV K	411AD
139475	SDR,FUEL,FXD,THK FLM,18.5DA4	02301-26
142825A1	RECEIVER BT2 FUEL REV L	878093
142828A1	RECEIVER BT2 VOLTS REV M	876050
146399C1	SDR,FUEL,FXD,HD,9936301100 (SPPR) REV. C	106155
1964691C1	SENDER TEMP REV F	334AT
198024C1	SENDER FUEL REV K	391HT
1987597C2	SDR,FUEL,FXD,9999991999 REV. D	100000
213628	Gauge Tach Mech Rev. B (RAW)	551BAP
232480	SWITCH TEMP REV F	413AM
2394968	SDR,FUEL,ADJ,HD,DA2,THK FLM	100438
240717A5	SENDER FUEL REV C	439381
242655A1	SWITCH TEMP REV F	413AY
243319A6	SENDER FUEL REV D	439380
244553A1	SDR,FUEL,FXD,0799172900 REV. C	106539
245558A2	SENDER FUEL, REV D	439373
251103	SDR,FUEL,FXD,THK FLM,10.0DA2	02300-09
251109	SDR,FUEL,FXD,THK FLM,20.0DA2 SEE OPTION (C)	02300-29
251119	SDR,FUEL,FXD,0102022200 REV. H (SPPR)	02476-32
251127	SDR,FUEL,FXD,THK FLM,14.0DA2	02300-17
251133	SDR,FUEL,FXD,THK FLM,11.0DA2	02300-11
251134	SDR,FUEL,FXD,0132322200 REV. K	02380-17
251152	SDR,FUEL,ADJ,HD,DA2,THK FLM,W/O HARDWARE REV. J	02350-00
251209	SDR,FUEL,FXD,0136362200 (SPPR) REV. H	04045-76
251221	SDR,FUEL,FXD,30.0DA2 REV. H	02300-44
251237	SDR,FUEL,FXD,0168562200 REV. B (SPPR)	105604

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CNH

CNH (Case New Holland)		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
251240	SDR,FUEL,FXD,0118181200	106924
251242	SDR,FUEL,FXD,8.5DA2,HD REV. B	106176
281126A2	SENDER FUEL, REV E	439374
284431A1	SDR,FUEL,FXD,HD,0799127900 REV. F	107621
298463A1	SDR,FUEL,FXD,HD,AC,NON-LINEAR REV. D	107924
326346A2	SDR,PRESS,HD,100DA,1/8,PINNED,CU	110707
369607R93	GAUGE, FUEL BT2 REV A (SPPR)	457CM
370756A1	LENS,LBX CLUSTER	109801
378352R91	AMM,86X 9999010501	06864-70
380440A1	SDR,FUEL,FXD,THK FLM REV DATCON	110552
380442A1	SDR,FUEL,FXD,THK FLM,REV,DATCON,NON-LINEAR	110553
388053A2	LAMP,SUBMINTR,14V,.30CP,BRN	101102
390546A1	SDR,FUEL,FXD,THK FLM, REV DATCON(RAW)	110796
44998/80044998	SENDER PRESSURE REV L	411J
46311	SDR,FUEL,FXD,0511100200 (RAW)	02476-90
537487R1	ADAPTOR PLATED REV. R	90389
613631	SDR,TEMP,SW2,1/2NPTF,05 (RAW)	02055-03
613634/80613634	GAUGE BT2 FUEL 12V, REV. E (RAW)	455CT
646628	SDR,FUEL,FXD,0132322200 REV. K	02380-17
677161R94	SENDER PRESSURE REV M	411AE
679508/80679508	SENDER TEMP REV E (RAW)	334DJ
700706468	SDR,FUEL,FXD,0117172200 REV. H	02380-45
700708219	SDR,TEMP,DAH,1/2NPTF 05	02025-00
7118222	SDR,FUEL,FXD,HD,DA3,CU REV. E	107497
827153C1	SDR,TEMP,DAL,1/8NPTF,05	02017-00
83918699	BEZEL REV Z (RAW)	830133-P
83918700	LENS REV K	830132
83943961	SENDER FUEL REV P	391MK-P
83943962	SENDER FUEL REV N	391MJ-P
84176270	SDR,FUEL,INTELLISENSOR,VOUT,.3-4,20.5"TK	118080

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CNH

CNH (Case New Holland)		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
84176272	SDR,FUEL,INTELLISENSOR,VOUT,.3-4.34.76"CU	119051
84176275	SDR,FUEL,INTELLISENSOR,39.5"TK,VOUT,5 HOLE FLANGE	115123
84237523	SDR,FUEL,INTELLISENSOR,36.54",VOUT .25-4.70V	122160
84370298	SDR,FUEL,INTELL,SIDE,52.8" LONG,.25-4.75,CONN	122426
84586231	SDR,FUEL,INTELLISENSOR,39.5"TK,VOUT,8VDC	123281
86401195	TACHOMETER ELECT REV A (Obsolete)	481MP-P
86402446	FUEL SENDER REV C	391SK
86525311	SENDER FUEL REV F	385AD
86530843	BEZEL - LENS REV. E	836335
86540853	FUEL GAUGE BT REV B	878098
86540854	TACHOMETER, ELECTRIC BT REV C (RAW)	481LW
86540855	GAUGE BT TEMP PACK REV A (RAW)	880139P
86558072	SENDER FUEL REV A	391SK-P
86584476	PRESSURE SENDER REV C	411AW
87300468	SERVICE PARTS,LENS,COMPACT TRACTOR	117221
87300470	SERVICE PARTS,FUEL GA MDL,CIH,COMPACT TRACTOR	117223
87300472	SERVICE PARTS,COOL GA MDL,CIH,COMPACT TRACTOR	117225
87339012	CLUSTER,LBX 200 (CASE)	109981
87393112	SDR,FUEL,INTELLISENSOR,52.8" LONG,.25-4.75,CONN	119902
87403454	SNSR,TEMP,AC2(12),CU,1/2"-14NPTF,ISO,DEUTSCH	112589
87434676	Fuel Sender Rev. H (RAW)	392SL
87434677	Fuel Sender Rev. F (RAW)	392SM
87497048	SDR,FUEL,INTELLISENSOR,20.8",SNAP	109030
87521424	SNSR,TEMP,AC2(12),M14-1.5,ISO,STRAIN	120129
87537695	GASKET,FUEL SDR,BUNA-N [837256]	02343-04
87715989	SDR,FUEL,INTELLISENSOR,33",SNAP	119471
87731313	SDR,FUEL,INTELLISENSOR,32",SNAP	120941
939262R91	GA,TEMP,825UT DAL12NEG5/8(SUP BY 101891)	06104-01
9801324	SDR,FUEL,FXD,24.0AC4 REV. J (SPPR)	02356-37
9801325	VM&TERM KIT,830CU 12NEG (DATCON)	07583-08
9801326	GA,PRESS&TERM KIT,882CU 12NEG (NO LOGO)	07556-56
9801328	GA,TEMP&TERM KIT,826CU 12NEG (NO LOGO)	07556-57
A176566	SDR,TEMP,AC(5),1/2NPTF,02,NO HDW	102178
A182178	GAUGE SENDER TEMP REV H	332A
A39804	GA,TEMP,WATER,825EM DAL12NEG5/8	06343-01
A66733	SENDER TEMP REV C	362DA

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CNH

CNH (Case New Holland)		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
BN2296754	GA,PRESS,OIL,882SAB,10,DA,5/8	103115
C7NN10884A/81820522	SENDER TEMP REV H	362ET
D121637	BEZEL OVERLAY KIT,SM	06372-01
D121645	GA,FUEL,810 0502039904 12NEG	06829-00
D123592	LT CLST,1,12P,28,F,RYRNRNRN,A	06800-06
D141953	SDR,FUEL,FXD,9999999900 REV. J	04045-71
D3NN9275A/81830029	FUEL SENDER REV A	391RD
D5NN10884B	SDR,TEMP,AC2(12),3/8NPTF,05	02075-02
D8N10838BA	HOUSING ASSEMBLY REV B	830623
D8NN14N096AA/83918708	WIRE & TERM REV G	830129
D8NN14N097AA	WIRE & TERM REV J	830142
D8NN9207BA/83918702	GAUGE BT2 FUEL 12V REV D (RAW)	878021P
D8NN9A316HB/83932412	SENDER FUEL REV. N	391JP-P
D8NN9A316JA	SENDER FUEL REV P	391JM-P
D8NN9A316KA	SENDER FUEL REV P	391JN-P
D8NN9A316LB	SENDER FUEL REV Y (RAW)	391JR
D8NN9A316LB/83987560	SENDER FUEL REV N (RAW)	391JR-P
D9NN10951AA	HRMTR,8711B 12/24	100689
E0NN9A316CB/81878206	SENDER FUEL REV K	391PJ
E3NN9A316AB/83953378	SENDER FUEL REV M (RAW)	391MZ-P
E4NN9A316BA	SENDER FUEL REV N (RAW)	391MY
E4NN9A316CA/83952680	SENDER FUEL REV M	391MX-P
E5NN10883AA	GAUGE BT2 TEMP REV F	880087-P
E5NN17360A/83955040	GAUGE MECH TACH REV H	551AZF-P
E5NN17360AA	GAUGE MECH TACH REV H	551AYX-P
E5NN17360DA	GAUGE MECH TACH REV H	551AZE-P
E5NN9207AA	GAUGE BT2 FUEL 12V REV E	878058-P
EEPN9KO42AA/83948677	FLOAT, REV H	836092
EHPN10849A	KIT PANEL, FUEL TEMP, REV C (RAW)	366ADE
F0NN17360AA	GAUGE MECH TACH REV E	551BAD

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CNH

CNH (Case New Holland)		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
H142794	GA,FUEL,810UT DA12NEG5/8(SUP BY 101897)	06101-01
H437690	LT CLST,1,12P,28,U,RYRNRNRYRN,A	06800-74
LQ52S00010P1	SNSR,MAG,3/4-16 W/PACKARD CONN	120862
NX83121015	TACH,127M40IP,07200-09267	102074
R54145	GAUGE BOURDON TEMP REV K	491EN72
V35180	VM,830AP 12NEG5/8,COLOR CODED	101910
—	SENDER TEMP REV E (SPPR)	334BL
—	SDR,FUEL,ADJ,HD,AC2,THK FLM,NO HDW	02348-00
—	SDR,TEMP,DAH,3/4-16UNF,W/O-RING	117614
—	SENDER TEMP REV E (SPPR)	334BL
—	GAUGE BT2 VOLT 12V REV W	876005
—	SENDER TEMP REV E (SPPR)	334BL
—	SENDER FUEL REV L	391JJ
—	SDR,TEMP,DAL,M18X1.5,05	02062-00
—	SDR,FUEL,FXD, THK FLM,08.5DA2 (SPPR)	02300-06
—	SDR,PRESS,100DA,1/8,EGND,#10ST	02505-00
—	SDR,PRESS,HD,125AC,1/8,#10STUD	103581
—	RECEIVR UNIT -FUEL 12V REV C	878009-P
—	GAUGE BT2 TEMP 12V REV D	880011-P
—	GASKET,FUEL SDR,CK-NPRN,W/STPL	02343-02
—	SDR,FUEL,ADJ,HD,DA2,THK FLM	100438
—	SDR,FUEL,FXD,THK FLM	203007
—	GASKET, TANK UNIT REV J	72030
—	SDR,TEMP,AC(5),1/2NPTF,02,NO HDW	102178
—	SENDER FUEL, REV E	439374
—	SDR,FUEL,FXD,0106060299 REV. C	105141
—	PLUG,SERVICE,CIRCUIT ASSEMBLY,SKIDSTEER,CNH	119987
—	GASKET,FUEL SDR,BUNA-N [837256]	02343-04
—	SDR,FUEL,INTELL,SIDE,52.8" LONG,.25-4.75,CONN	122426
—	KIT,REPLACE,GA & SDR,TEMP,DAL	106997
—	GA,FUEL,810IB DA12NEG5/8	100176
—	SNSR,TEMP,AC2(12),9/16-18,ISO,DEUTSCH	110173
—	SDR,FUEL,INTELLISENSOR,VOUT,.3-4,34.76"CU	119051
—	SDR,FUEL,MINI-INTEL,23.07"TK,VOUT,24V,w/CONN	121196

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Daimler Truck NA

Daimler Truck North America		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
1476110	SDR,TEMP,DAH,1/2NPTF,03	02090-13
61130700	GA, PRESS, M, DUAL, AIR, IB	100250
03-31257-000	SENDER FUEL REV P	391PH
03-31258-000	SENDER FUEL REV N	391PP
03-31259-000	SENDER FUEL KIT REV J	391PV
03-33067-000	FUEL SENDER REV E	439426
03-33069-000	FUEL SENDER REV E	439425
06-31264-000	SDR,PRESS,HD,150DA,1/8,PINNED	109491
22-16975-003	SENDER TEMP REV E	334AD
22-16975-005	SENDER TEMP REV E	334ED
22-16975-011	TEMP SENDER HIGH TEMP	334FF
22-22482-000	GAUGE BOURDON TEMP REV Z	491CY144
61-200120	GA,FUEL,810 12 NEG	06339-13
61-200193	TACH-HM,124A40CU,00868	71768-17
61-200218	GA,PRESS,882 12 NEG	06341-11
61-200548	SNSR,MAG,3/4-16X2.4,W/CANNON	107824
61-270101	SDR,FUEL,FXD,0125250300	04045-40
A22-42390-003	SENDER FUEL REV N	391NR
A22-42390-004	SENDER FUEL REV L	391NS
A22-42390-005	SENDER FUEL REV M	391NW-P
A22-42390-006	SENDER FUEL REV L	391NX-P
A22-42390-009	SENDER FUEL REV C	391PZ
A22-43065-002	FUEL SENDER 240 OHM REV C	392SY
A22-43065-003	SENDER FUEL 240 OHM	392NS
A22-43065-006	FUEL SENDER REV C	392SX
A22-43065-007	SENDER FUEL 240 OHM	392NR
A22-52463-000	SENDER FUEL REV C	391RZ
A22-53348-000	FUEL SENDER REV D	439394
A22-53348-001	FUEL SENDER REV D	439423
A22-53348-003	FUEL SENDER REV C	439432

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Daimler Truck NA

Daimler Truck North America		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
A22-53348-004	FUEL SENDER REV. B	439445
A22-53746-000	FUEL SENDER REV F	439395
A22-53746-001	FUEL SENDER REV F	439396
A22-53746-002	FUEL SENDER REV. E	439416
A22-53746-003	FUEL SENDER REV. E	439417
A22-57145-00	FUEL SENDER INT. CONN. REV B	392TC
A22-57145-001	FUEL SENDER 240 OHMS REV B	392TD
A22-57238-000	FUEL SENDER REV D	392TE
A22-57239-00	FUEL SENDER INT CONN REV D	386AE
A22-57240-000	FUEL SENDER INT CONN REV D	386AD
A22-59537-00	FUEL SENDER INT. CONN. REV A	439439
A22-59537-001	FUEL SENDER 240 OHMS REV A	439440
DTC 02300 14	SDR,FUEL,FXD,THK FLM,12.5 DA2	02300-14
DTC 02301 33	SDR,FUEL,FXD,THK FLM,22.0DA4	02301-33
DTC 02505 00	SDR,PRESS,100DA,1/8,EGND,#10ST	02505-00
GAF 10981GX	SDR, TEMP, DAH, 1/2NPTF 05	02025-00
SW 100438	SDR,FUEL,ADJ,HD,DA2,THK FLM	100438P
SW 280EA	SENDER TEMP KIT REV E	280EA
SW 280ED	SENDER TEMP KIT REV H	280ED
SW 284AE	GAUGE BT1 PRESS KIT REV. J	284AE
SW 284AF	GAUGE BT2 TEMP KIT REV H	284AF
SW 284AJ	GAUGE BT2 VOLTMETER REV. M	284AJ
SW 284T	GAUGE BT2 PRESS KIT REV K (OBS)	284T
SW 323C	THERMOCOUPLE ASSM REV H	323C
SW 334AA	SENDER TEMP REV F	334AA
SW 334AB	SENDER TEMP REV E	334AB
SW 334EJ	SENDER TEMP REV F	334EJ
SW 334P	SENDER TEMP REV H	334P
SW 364K F	SWITCH PRESS REV V	364K-F
SW 364L F	SWITCH PRESS REV P	364L-F
SW 366CH	KIT LAMP SOCT. & BKT	366CH
SW 366SX	KIT, LAMP REV B	366SX
SW 375B F	SENDER FUEL REV M	385B-F
SW 385CF	SENDER FUEL REV L	385C-F
SW 391D D	SENDER FUEL REV M	391D-D

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Daimler Truck NA

Daimler Truck North America		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
SW 391FK-P1	SENDER FUEL REV K	391FK-P1
SW 391PR	SENDER FUEL REV L	391PR
SW 391PXD	SENDER FUEL GAUGE REV J	391PX-D
SW 392RC	SENDER FUEL REV F	392RC
SW 407616	AMMETER, SHUNT REV S	407616
SW 411290	FLOAT & CLIP ASSM REV L	411290
SW 411K	SDR,PRESS,SW100,1/8,#10 STUD	411K
SW 439448	FUEL SENDER REV. A	439448
SW 470 DT P	GAUGE BT2 VOLT 12V REV A	470DT-P
SW 490ACZ	GAUGE BOURDON PRESS REV A	490ACZ
SW 490ACZ-1	GAUGE BOURDON PRESS REV A	490ACZ-1
SW 493AF	GAUGE BOURDON DUAL AIR REV Z	493AF
SW 493BY	GAUGE BOURDON DUAL AIR REV J	493BY
SW 550YE	GAUGE MECH SPEED REV D	550YE
SW 71792 11	4X6 12 V TRAP REPLACE	71792-11
SW 72030	GASKET, TANK UNIT	72030
SW 72541 11	4X6 24V WIDE FLOOD REPLACE	72541-11
SW 76075	SWITCH 100 PSI N.C.	76075
SW 76579	SWITCH 4 PSI N.O.	76579
SW 76580	SWITCH, DUAL CIR. PRESS. 10 PSI	76580
SW 78154	SWITCH PRESSURE N.C. 60 PSI (OBS)	78154
SW 82089	FUEL PUMP, 12V, 7PSI, 20GPH REV A	82089
SW 82091	FUEL PUMP, 12V, 8PSI, 43GPH REV A	82091
SW 82208	GAUGE DIAPH PRESS KIT REV. F	82208
SW 82209	GAUGE DIAPH PRESS KIT REV. F	82209
SW 82210 144	GAUGE DIAPH, TEMP KIT REV H	82210-144
SW 82210 36	GAUGE DIAPH. TEMP KIT REV. J	82210-36
SW 82210 72	TEMPERATURE GAUGE REV. J	82210-72
SW 82304	GAUGE BT2 PRESS KIT REV. E	82304
SW 82305	GAUGE BT2 PRESS KIT REV. K	82305

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Daimler Truck NA

Daimler Truck North America		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
SW 82306	GAUGE BT2 TEMP KIT REV. H	82306
SW 82307	GAUGE BT2 TEMP KIT REV. J	82307
SW 82309	GAUGE BT2 VOLT KIT REV. K	82309
SW 82313	GAUGE AMMETER KIT REV J	82313
SW 82323	GAUGE BOURDON PRESS KIT REV. F	82323
SW 82325	GAUGE BOURDON PRESS KIT REV. D	82325
SW 82326 120	GAUGE BOURDON TEMP KIT REV L	82326-120
SW 82326 288	GAUGE BOURDON TEMP KIT REV L	82326-288
SW 82326 72	GAUGE BOURDON TEMP KIT REV L	82326-72
SW 82326 96	GAUGE BOURDON TEMP KIT REV L	82326-96
SW 82327 216	OIL TEMPERATURE GAUGE REV. J	82327-216
SW 82331	GAUGE BOURDON DUAL AIR REV. K	82331
SW 82340	PRESSURE VACUUM GAUGE	82340
SW 82372	GAUGE BOURDON PRESS	82372
SW 82373	GAUGE BOURDON PRESS REV. F	82373
SW 82396	GAUGE BOURDON PRESS AIR REV D	82396
SW 82409 144	HEAT INDICATOR REV. K	82409-144
SW 82483	GAUGE BOURDON PRESS REV. C	82483
SW 82484	GAUGE BOURDON PRESS REV. C	82484
SW 82487	GAUGE BOURDON PRESS KIT	82487
SW 82491	GAUGE BOURDON BOOST	82491
SW 82492	GAUGE BOURDON BOOST	82492
SW 82527	HALL ROTARY REV A	82527
SW 82619	GAUGE ELECT TACH KIT, REV E	82619
SW 82622	GAUGE ELECT TACH KIT, (481 HX)REV E	82622
SW 82623B	TACHO/SPEED KIT REV. E	82623B
SW 82635	GAUGE ELECT TACH KIT REV. E	82635
SW 82646	TACH/SPEED SENDER KIT REV A	82646
SW 82689	GAUGE MECH TACH KIT REV. D	82689
SW 82690	GAUGE MECH TACH KIT REV. E	82690
SW 82697	GAUGE MECH SPEED KIT	82697
SW 82704	GAUGE BOURDON PRESS KIT	82704
SW 82709	GAUGE BT2 VOLT KIT	82709
SW 82891	CONNECTOR ASSY KIT REV D	82891

(Continued on next page.)

Daimler Truck NA

Daimler Truck North America		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
SW D334H	SENDER TEMP REV L	334H-D
SW D334R	SENDER TEMP REV H	334R-D
SW F279B	SENDER PRESSURE KIT REV F	279B-F
SW F280EE	SENDER TEMP KIT REV. D	280EE-F
SW F366FK	LAMP KIT REV D	366FK-F
SW G8281604	THERMO EXT. ASSY REV Y	828160-4
SW P1 361CA144	GAUGE BOURDON TEMP REV W	361CA144P1
SW P3 334S1	SENDER TEMP REV J	334S1
SW P457K	GAUGE BT2 FUEL 12V REV M	457K-P
SW P491CY144	GAUGE BOURDON TEMP REV Z	491CY144P
SW S91C D	SENDER FUEL REV N	391C-D
—	SDR,FUEL,ADJ,HD,DA2,THK FLM	100438
—	SDR,FUEL,ADJ,HD,IN2	104743
—	TACH-HM,128A40CU,00868 (NO LOGO)	107356
—	SDR,PRESS,100DAD,1/8,EGND,#10S	02505-01
—	SDR,FUEL, ADJ,FO2 REV. E	04126-00
—	BRACKET (OBSOLETE)	329-M
—	SENDER, FUEL REV S	391DD
—	GAUGE BOURDON PRESS REV K	490MR-P
—	LAMP	71915-11
—	GAUGE BOURDON TEMP KIT (OBS)	82381-72
—	GAUGE BOURDON TEMP REV J	82480-72
—	SWITCH 35 PSI N.O.	SW76053
—	SWITCH 60 PSI N.O. REV. A	SW76054-A
—	SWITCH 15 PSI N.C.	SW76062

More Information:

*If you have questions, contact us anytime!
Call 800-676-1837 or consult with your maximatecc salesperson for additional details.*

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International Truck

International Truck		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
1680670C1	SDR,PRESS,HD,100DA,1/8,#10STUD	102225
2014880C5	FUEL SENDER REV D	391RN
387889C5	FUEL SENDER REV D (RAW)	391RT
473817C5	FUEL SENDER REV D (RAW)	391RW
473818C5	FUEL SENDER REV D	391RL
473819C5	FUEL SENDER REV D (RAW)	391RR
497840C96	FUEL SENDER REV D	391RK

More Information:

If you have questions, contact us anytime!

Call 800-676-1837 or consult with your maximatecc salesperson for additional details.



The following information is available now in our *Stewart Warner Performance Products Catalog* and will be coming to this catalog soon!

- Application Guidelines
- Product Specifications
- Installation and Troubleshooting Help
- Dimensions and Mounting Details
- Wiring Configurations
- Product Cross-Reference Information
- And Much More!

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John Deere

John Deere		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
3198871	SDR,FUEL,MINI-INTEL,23.07"TK,VOUT,24V,w/CONN	121195
3253231	SDR,FUEL,MINI-INTEL,23.07"TK,VOUT,24V,w/CONN	121196
3304503	SDR,FUEL,INTELLISENSOR,19.88,VOUT,W/CONN	121390
4003447	GAUGE BT2 TEMP KIT REV. K	82308
86402446	FUEL SENDER REV C	391SK
811136400	HRMTR,871UT 12/24	56456-03
0600008541	AMM,866EM 60,5/8	06354-01
0600018086	HRMTR,876EM 12/24	56458-10
0600035801	SDR,TEMP,DAH,1/2NPTF 05	02025-00
0600035802	SDR,PRESS,80DA,1/8,EGND,#10STUD,SPECIAL HDW REV G	02582-17
0600036051	TACH-HM,128M30EM,04500-09000	71784-12
0600036374	GASKET,FUEL SDR,CK-NPRN,W/STPL	02343-02
0601303474	SNSR,MAG,3/4-16X1.9,6.5"	71255-00
06036564	VM,831EM 24NEG5/8	06352-01
A1248	ADAPTOR PLATED REV. R	90389
AE46195	SENDER FUEL (AUX.) BRK REV C(RAW)	439327
AE54875	SENDER FUEL REV E	392RA
AET10144	LT CLST,3,12P,28,U,RYNRYRN,B	06800-69
AF2749	GAUGE AMMETER REV J	337BS
AFH206482	FUEL SENDER REV. A (AFH204682)	392TW
AH1511224	SENDER TEMP 190F REV B	334ES
AH151124	SENDER TEMP 190F REV B	334ES
AH163129	SENDER FUEL 240 OHMS REV D	439377
AH166949	SENDER FUEL REV A (RAW)	439388
AH170876	SENDER FUEL REV B	392TA
AH204563	TANK UNIT 247/30 NL REV C (RAW)	392SW
AH213241	SENDER FUEL LH REV B	386D
AH220686	FUEL SENDER REV A (RAW)	392TL
AH85833	SWITCH TEMP, REV H (RAW)	413BA
AH91002	GAUGE MECH TACH REV K (RAW)	551ASD

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John Deere

John Deere		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
AH94083	GAUGE BT2 TEMP 12V REV. G	465KZ
AM125582	FUEL SENDER REV E	439382
AMT1188	VM,830EM 12NEG5/8	06351-01
AN153442	SDR,FUEL,FXD (DEERE)	100770
AN205104	TANK UNIT 320 OHMS REV A	391SA
AN205287	TANK UNIT 320 OHMS REV B	392SS
AN276004	SENDER FUEL REV C	439385
AN279465	SENDER FUEL REV A	392TJ
AR26434	SENDER FUEL REV. AA	389E
AR38806	TANK UNIT REV. B	391DF
AR43676	SENDER,FUEL REV. S	391DH
AR46268	SENDER,FUEL REV. S	391DD
AR50410	MECHANICAL TACHOMETER REV N (OBSOLETE)	551YL
AR53897	GAUGE MECH TACH REV L	551AJW
AR65445	GAUGE MECH TACH REV L	551AHY
AT11118	SENDER TEMP REV J	362AJ
AT14005-144	GAUGE BOURDON TEMP KIT REV. L	82326-144
AT148149	GAUGE MECH TACH KIT REV. D	82688
AT149005	GAUGE BOURDON TEMP KIT REV. L	82326-72
AT183857	SDR,FUEL,FXD,13.0DA2,HD,THK FLM	106185
AT18775	SDR,PRESS,SW 100,1/8,#10 STUD L	411K
AT188700	LIGHT KIT,5/8,12,1CP	06215-00
AT20912	SENDER FUEL REV. X	389T
AT300958	FUEL SENDER REV B	439435
AT300959	FUEL SENDER REV A	439436
AT302762	TACH-HM,44A30HL,00533-01067HZ(JOHN DEERE)	117522
AT304969	FUEL SENDER REV B	391SR
AT307937	FUEL SENDER REV. B	391TA
AT307938	FUEL SENDER REV.B	391SZ
AT308469	SENDER FUEL REV A	391ST
AT31574	Fuel Sender REV A	391TC
AT315754	Fuel Sender REV A	391TC
AT317210	FUEL SENDER W/TUBES REV A	439447
AT321041	FLS,RH,14.96x 16.14,33/240 REV C	391TM
AT334684	FUEL SENDER CON TUBOS REV A	439452
AT372248	SENDER FUEL REV. E	391SS

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John Deere

John Deere		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
AT372249	SENDER FUEL REV. D	391SY
AT372250	SENDER FUEL REV. E	391SW
AT37368	SENDER TEMP REV E	334AD
AT37411	GAUGE BOURDON PRESS REV X (RAW)	490CY
AT37479	GAUGE BOURDON PRESS REV W	490CZ
AT375294	GA,FUEL,810IP DA12NEG5/8	121872
AT38172	GAUGE BT2 PRESS 12V REV. AC	461B
AT396217	FLS,RH,14.96x 16.14,33/240 REV A	391TW
AT39728	GAUGE BT2 PRESS 12V REV. X	460AP
AT41802	AMMETER 40-0-40, REV R (SPPR)	338CK
AT57601	GAUGE BT2 TEMP 12V REV. H	465KA
AT60049	GAUGE BOURDON PRESS REV R	490HE
AT61465	GAUGE BT2 PRESS 12V REV. L (RAW)	460EC
AT61466	GAUGE BT2 VOLT 12V REV P	470DW
AT61468	GAUGE BT2 FUEL 12V REV L	455DB
AZ100729	SDR,FUEL,INTELLISENSOR,VOUT,39.43"TK	115861
AZ100730	SDR,FUEL,INTELLISENSOR,VOUT,W/DEUTSCH CONN	115860
AZ102250	FS-TUBE REV A	439450
CB11485388	HDW,INTELLISENSOR,WIRES OUT	115505
CB11489940	SDR,FUEL,INTELLI,37.2"TK DA W/SW (JOHN DEERE)	121393
F071147	SDR,FUEL,INTELLISENSOR,27"TK,VOUT,W/9" DEUTSCH	119521
F071209	SDR,FUEL,INTELLISENSOR,21"TK,VOUT,W/9" DEUTSCH	120495
F120280	SDR,TEMP,DAH,3/8NPTF,05	02024-00
F120282	SWITCH,PRESS,15PSI,DA CD	100451
F120516	GA,PRESS,882EM DA24NEG5/8	107071
F121019	HRMTR,MINI,W/BRACKET	102035
F124135	SDR,PRESS,HD,80DA,1/8,PINNED	108496
KV20364	FUEL SENDER REV B	439383
KV25733	SENDER FUEL REV A	439437
LVA15463	SDR,FUEL,INTELLISENSOR,35"TK,VOUT,W/40" HARNESS	120828

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John Deere

John Deere		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
LVA17746	SDR,FUEL,INTELLISENSOR,35"TK,VOUT,W/ 40"HARNESS,SID	122773
R84218	HOUSING (RAW)	821678
TCA12194	SENDER FUEL 90 OHMS REV A	391RY
–	FUEL SENDER REV E	439382
–	SENDER-FUEL 30 OHM REV N	389C20.50
–	GAUGE BT2 TEMP 12V REV K	465DT
–	TACH-HM,124A40HDB,00711-0142212	103684
–	TACH-HM,124A40HDP,00711-0142212	103755
–	SNSR,MAG,3/4-16X1.9W/PACKARD CONNECTOR (Obsolete)	110797
–	SDR,FUEL,INTELLISENSOR,26.57,VOUT,24V,W/CONN	121582

Mack Trucks

Mack Trucks, Inc.		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
21292094	KIT PRESSURE SENDER REV B	82894
36MO138	KIT LAMP SOCT.& BKT REV C	366CH
7660-82326120	GAUGE BOURDON TEMP KIT REV L	82326-120
7660-82326144	GAUGE BOURDON TEMP KIT REV. L	82326-144
7660-8232672	GAUGE BOURDON TEMP KIT REV. L	82326-72
7660-82329	GAUGE BOURDON PRESS KIT REV.F	82329

More Information:

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PACCAR

PACCAR Truck		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
76072	SWITCH 15 PSI N.O.	76072
76073	SWITCH 35 PSI N.O.	76073
76576	SWITCH 10 PSI N.O.	76576
78154	SWITCH PRESSURE N.C. 60 PSI (OBSOLETE)	78154
82121	GAUGE BOURDON PRESS KIT REV. Q	82121
82200	GAUGE AMMETER KIT REV K	82200
82207	PRESSURE GAUGE REV E	82207
82303	GAUGE BT2 FUEL KIT REV K	82303
82305	GAUGE BT2 PRESS KIT REV K	82305
82309	GAUGE BT2 VOLT KIT REV K	82309
82320	GAUGE BOURDON PRESS KIT REV F	82320
82321	GAUGE BOURDON PRESS KIT (RAW) REV E	82321
82322	GAUGE BOURDON PRESS KIT REV F	82322
82324	GAUGE BOURDON PRESS KIT REV E	82324
82329	GAUGE BOURDON PRESS KIT REV F	82329
82332	GAUGE BOURDON DUAL AIR REV L	82332
82373	GAUGE BOURDON PRESS REV F	82373
82406	GAUGE BOURDON PRESS KIT REV H	82406
82484	GAUGE BOURDON PRESS REV C	82484
82491	GAUGE BOURDON BOOST (RAW) REV D	82491
82651	GAUGE ELECT TACH KIT REV E	82651
82673	ELECT TACH KIT (RAW) REV H	82673
82688	GAUGE MECH TACH KIT REV D	82688
82689	GAUGE MECH TACH KIT REV D	82689
82896	ELECT. SPEEDOMETER KIT (RAW) REV H	82896
83503	DC HOURMETER (SW) REV D	83503
100222	HRMTR,876IB 12/24, 4 DGT	100222
100689	HRMTR, 871 IB 12/24 REV C	100689
103757	TACH-HM,124M40HDP,06000-1200012	103757
407616	AMMETER SHUNT REV S	407616
830058	LAMP REV B (G.E. 37)	830058
02025-00	SDR,TEMP,DAH,1/2NPTF 05 REV H	02025-00
02-7128547	SENDER TEMP REV L	334S
1302-3809	SENDER TEMP REV F	334AA-D
17-01708	GAUGE BOURDON TEMP REV T	692AB144P
17-02435	SENDER TEMP REV F	334AA
17-02807	GAUGE MECH TACH REV C (RAW)	551AZM-P
279B-F	SENDER PRESSURE KIT REV F	279B-F
280EA	SENDER TEMP KIT REV E	280EA

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PACCAR

PACCAR Truck		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
280ED-F	SENDER TEMP KIT REV H	280ED-F
284AE	GAUGE BT1 PRESS KIT REV J (RAW)	284AE
284B144	GAUGE BOURDON TEMP KIT REV N	284B144
284HSWC	GAUGE BT2 VOLT KIT REV H	284H
334AA-D	SENDER TEMP REV F	334AA-D
334H-D	SENDER TEMP REV L	334H-D
334R-D	SENDER TEMP REV H	334R-D
334S-P	SENDER TEMP REV L	334S-P
338CL-P	GAUGE AMMETER REV V(RAW)	338CL-P
361CC144	GAUGE BOURDON TEMP REV AE (RAW)	361CC144
361CL144P	GAUGE BOURDON TEMP REV Z (RAW)	361CL144P
362DA-D	SENDER TEMP REV C (RAW)	362DA-D
364AF	SWITCH PRESS REV H (SPPR)	364AF
366CH	KIT LAMP SOCT. & BKT REV C	366CH
366CH-P	LAMP SOCKET KIT REV C	366CH-P
366FK-F	LAMP KIT REV D	366FK-F
366HM-F	GAUGE INSTALLATION KIT REV F	366HM-F
391C-D	SENDER FUEL REV N	391C-D
411L	SENDER PRESSURE REV L	411L
427157P	SOCKET & WIRE KIT PLASTIC	427157P
491AR144P	GAUGE BOURDON TEMP REV W (OBSOLETE)	491AR144P
491BE144P	BOURDON TEMP GAUGE REV W (RAW)	491BE144P
550BS-P	GAUGE MECH SPEED REV L (OBSOLETE)	550BS-P
550SB-P	GAUGE MECH SPEED REV D	550SB-P
550SC	GAUGE MECH SPEED REV D (RAW)	550SC
551AKB-P	GAUGE MECH TACH REV K (RAW)	551AKB-P
551BS	GAUGE MECH TACH REV X (RAW)	551BS
71017-11	4X6 LAMP	71017-11
71794-11	REP. BEAMS	71794-11
71898-11	LAMP	71898-11
72544-11	4X6 24V SPOT LP	72544-11
72545-11	4X6 24V SPOT REPLACE	72545-11
76075SWC	SWITCH 100 PSI N.C.	76075
817825F	PANEL ONE GAUGE REV P	817825-F
82091SWC	FUEL PUMP, 12V, 8PSI, 43GPH REV A (RAW)	82091
82210-48	GAUGE DIAPH. TEMP KIT REV H	82210-48
82310SWC	GAUGE AMMETER KIT REV K	82310
82323SWC	GAUGE BOURDON PRESS KIT REV F	82323
82326-120	GAUGE BOURDON TEMP KIT REV L	82326-120

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PACCAR

PACCAR Truck		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
82326-72	GAUGE BOURDON TEMP KIT REV L	82326-72
82327-72	OIL TEMPERATURE GAUGE REV K (RAW)	82327-72
82553F	OIL PRESS INSTAL'KIT REV E	82553-F
85097-02	HOURMETER D.C.	85097-02
85342-03	HOURMETER D.C.	85342-03
BA2480	SWITCH PRESS REV F (RAW)	364Y
K152-102	SENDER FUEL REV S	391PL-P
K152-122	GAUGE AMMETER REV W (RAW)	338CF-P
K152-195	GAUGE MECH SPEED REV J (RAW)	550HX
K152-248	GAUGE MECH SPEED REV J (RAW)	550MT
K152-268	GAUGE MECH SPEED REV K (RAW)	550RX-P
K152-80	GAUGE BOURDON TEMP REV Z	361CL96P
K291-5	AMMETER SHUNT REV R	413717
SUB @ 411L	SENDER PRESSURE KIT REV H	279A
SW391	SDR,FUEL,ADJ,HD,DA2,THK FLM REV D	100438
—	GAUGE MECH TACH REV F (RAW)	551AXR-P*
—	SWITCH 100 PSI N.C.	SW76065*

Tech. Information

Prevost Car

Prevost Car, Inc.		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
561097	SDR,TEMP,DAH,1/2NPTF 05	02025-00
56-2213	GA,TEMP,828 9999990505 24NEG	07718-39
56-2213	GA,PRESS,M,AIR,389IB 5/8	100190
56-2377	GA,FUEL,810 9904030505 24NEG	102605

Volvo Penta (Americas)

Volvo Penta of the Americas		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
3852029	SDR,TEMP,DAL,1/2NPTF,05	02020-00
3857532	SDR, PRESS, 80CU, 1/8,EGND, #10STUD REV A	02582-23C
—	SDR,PRESS,HD,80DA,1/8,#10STUD	102224

Volvo Road Machinery

Volvo Road Machinery		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
36733	VM,830IB 12NEG5/8	100262
52881	SDR,TEMP,DAH,1/2NPTF 05	02025-00
57346	GA,PRESS,88X 9999019901 12NEG	07718-33
68320	GA,FUEL,810 9999010502 24NEG	102745
93894	VM,831CU 24NEG5/8 (NO LOGO)	108435
402225	TACH,12G30HDB,01067,24V	110821
11853158	SDR,FUEL,FXD,0107991200,THK FLM	120318
12733613	GA,TEMP,HYD OIL,825CU DAL24NEG5/8,(DUAL SCALE)	115344
12762254	INST,DDB,54ALBWB,E-F,FUEL,J1939,24V,(NO LOGO)	122611
12762255	INST,DDB,54ALBWB,100-280F,TEMP,J1939,24V(NO LOGO)	122612
12784146	SPDOM,51NO1MICU,01006-01131 (I-R -NO LOGO)	122928
12784147	SPDOM,151NX3VBCU,01006-0113 (NO LOGO)	123044
12962056	HDW,MTG KIT,5 SEALING SCREWS,#10-32X15/32"LG	02342-00
13275078	SDR,PRESS,HD,150DA,1/8,#10STUD REV. D	102227
13351507	SPDOM,51NO1MICU,01006-01131 (I-R -NO LOGO)	115678
15139338	GASKET,FUEL SDR,CK-NPRN,W/STPL	02343-02
15405376	SDR, FUEL W/GND. TERM REV A	391TN
15405377	SENDER FUEL REV A	391TR
15405378	SDR, FUEL W/GND TERM REV A	391TP
20186581	SDR,TEMP,DADL,1/2NPTF,05.3	02032-00C
20186607	HRMTR,876IB 12/24 ALTNTR	100224
20289138	SDR,PRESS,HD,80DA,1/8,#10STUD	102224
20289146	SDR,PRESS,HD,80DAD,1/8,#10STUD REV C	103574
20936662	GA,PRESS,OIL,881CU DA12NEG5/8 (BLAW-KNOX)	106903
20936670	GA,TEMP,OIL,828CU DAH12NEG5/8 (BLAW-KNOX)	106904
20936704	VM,830CU 12NEG5/8 (BLAW-KNOX)	106906
20936712	GA,TEMP,WATER,828CU DAH12NEG5/8 (BLAW-KNOX)	106905
20939716	TACH-HM,128A30CU,00533-01067	71784-51
43839299	SDR,TEMP,DADL,1/2NPTF,05.3	02032-00
43893445	CLUSTER(I-R),NEW TERRA FIRMA,TIER II, REVISED	120821
43908268	GA,FUEL,810 0199010502 12NEG (IR)	101509
43931757	TACH-HM,128A30CU,00836-01065 (VOLVO)	71784-30
43931971	SDR,FUEL,INTELLISENSOR,VOUT,W/DEUTSCH CONN	118124
43935808	INST,53P30,PWM,(IR)	111533
43935881	GA,TEMP,823 0199010502 12NEG (IR)	101511
43936194	CLUSTER,LAPD,TIER III (Replaces 120170) w/o LOGO	121158
46636684	INST,DDB,54ALBWB,100PSI(EM),OIL,J1939,12V	121549

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Volvo Road Machinery

Volvo Road Machinery		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
46636692	INST,DDB,54ALBWB,100-280F(EM),TEMP,J1939,12V	121550
46698981	SPDOM-IMPACT,51MXMICU,00123 (NO COUNTER)	122081
58943796	SDR,TEMP,DAH,M18X1.5,05	02069-00
59044297	VM,830CU 12NEG5/8 (NO LOGO)	106505
59046904	GA,PRESS,OIL,882CU DA12NEG5/8 (NO LOGO)	106506
59046912	GA,TEMP,WATER,825CU DAL12NEG5/8 (NO LOGO)	106507
59046920	GA,FUEL,810CU DA12NEG5/8 (NO LOGO)	106508
59046946	TACH,12G30CU,00870 (NO LOGO)	106402
59104000	LT CLST,3,12P,28,U,RYYRYRY,A	107508
59128991	GA-ECS,TEMP,823CU,250DAH12NEG (NO LOGO)	106075
59132597	TACH,12M50CU,02500 (NO LOGO)	108243
59134981	SPDOM,51NX4VBCU,00144-00252 (NO LOGO)	109595
59170001	SPDOM,51NO1MICU,01006-01131 (NO LOGO)	109012
59196931	SPDOM,51NX4VBCU,03067 (NO LOGO)	109742
59206672	SPDOM-IMPACT,51MXMICU,00123 (NO LOGO)	109959
59302554	SDR,TEMP,DAH,1/4NPTF,05	02023-00
59355602	GA,PRESS,M,OIL,382EM 5/8	07056-00
59802991	SENDER PRESSURE KIT REV E	279C
59816728	GA,TEMP,WATER,826EM DAH12NEG5/8	06347-01
59824250	SOCKET,LAMP,5/8	56307-00
85112033	SDR,FUEL,ADJ,HD,DA REV. A	04045-48N
14002-0007	SENDER TEMP REV H	334W-P
43902-0034	SDR,FUEL,FXD,0133210200 REV. H	04045-51
43902-0035	SDR,FUEL,FXD,0154270200 REV. H	04045-49
43902-3201	SDR,FUEL,FXD,9933210200 REV. H	04138-25
RM19285584	SDR,TEMP,DAH,M16X1.5,05 Rev. K	02067-00
RM20258992	SDR,FUEL,ADJ,HD,DA2,THK FLM,W/O HARDWARE REV. J	02350-00
RM43871102	CLUSTER(I-R),TERRA FIRMA,TIER III	120171
RM43908268	GA,FUEL,810 0199010502 12NEG (IR)	101509
RM43931740	GA,PRESS,882 0199010502 12NEG (VOLVO)	101510
RM43931807	GA,PRESS,882CU 0199010502 12NEG (VOLVO)	117694

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Volvo Road Machinery

Volvo Road Machinery		
OEM P/N	Detailed Description	Stewart Warner Replacement P/N
RM43931997	VM,830 0199019902 12NEG (VOLVO)	101695
RM43933001	GA,TEMP,823 0199010502 12NEG (Volvo)	121152
RM43935790	TACH,47M30CU,2500,2600 (IR)	111529
RM43935808	INST,53P30,PWM,(IR)	111533
RM43936194	CLUSTER,LAPD,TIER III (Replaces 120170) w/o LOGO	121158
RM46685285	SDR,FUEL,FXD,POS 2,SPADE GND	122116
RM58913856	SDR,TEMP,DAH,1/8NPTF,05	02022-00
RM58943796	SDR,TEMP,DAH,M18X1.5,05	02069-00
RM59166942	SPDOM,51NX3VBCU,01006-0113 (NO LOGO)	109018
RM59196931	SPDOM,51NX4VBCU,03067 (NO LOGO)	109742
RM59371807	GA,TEMP,825 0199010501 12NEG	06972-30
RM59602987	SDR,TEMP,DAL,1/2NPTF,05	02020-00
RM59816728	GA,TEMP,WATER,826EM DAH12NEG5/8	06347-01
RM59816736	VM,830EM 12NEG5/8	06351-01
SEN601247	FUEL SENDER REV. C	391SX
SEN601299	SDR,FUEL,FXD,THK FLM.	123019
–	LAMP KIT REV A	366SZ
–	LIGHT KIT,5/8,12,2CP	06215-01
–	LIGHT KIT,5/8,12,2CP,2-WIRE	105715
–	TACH,12G30HDB,00800	106473
–	SPDOM-IMPACT,51MXMICU,00123 (NO LOGO)	109821
–	TACH,12M50CU,03833 (NO LOGO)	111803
–	LT CLST,3,12P,28,U,RYYRYRY,A	111839
–	SPDOM-IMPACT,LCD,51MXMICU,00123 (NO LOGO)	121987
–	SDR,FUEL,FXD,THK FLM,11.0DA2	02300-11
–	SDR,FUEL,FXD,30.0DA2 REV. H	02300-44
–	SCREW,SEG,SLFTPG,PHH TRH,STL,10-24X1"LG	04052-02
–	HDW,AMM&VM,NON-WGB,2 TERM,NLTG	06282-10
–	CLUSTER,LAPD,TIER II (Replaces 120659) w/o LOGO	121159
–	SDR, FUEL W/GND. TERM REV A	391TN
–	SDR, FUEL W/GND TERM REV A	391TP
–	SENDER FUEL REV A	391TR
–	SDR,FUEL,FXD,30.0DA2 REV. H	02300-44
–	INST,DDB,54ALBWB,100PSI(EM),OIL,J1939,12V	121549
–	SDR,TEMP,DAH,1/2NPTF 05	02025-00
–	HDW,MTG KIT,5 SEALING SCREWS,#10-32X15/32"LG	02342-00

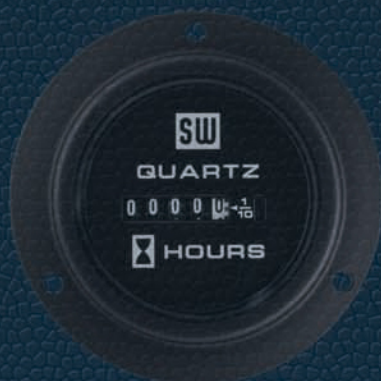
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Fuel Pumps



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