



GAUGES • TACHOMETERS • SPEEDOMETERS • FUEL PUMPS • HOUR METERS

STEWART-WARNER INSTRUMENTS

FOR PASSENGER CARS, TRUCKS, AIRCRAFT AND INDUSTRIAL USE



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TACHOMETERS



Tested in competition and on the proving grounds, Stewart-Warner tachometers assure you the most versatile, dependable precision instruments ever designed. Only Stewart-Warner's

position as the world's largest manufacturer of tachometers — its range of engineering experience in instrumentation, could bring you the features that these tachometers offer.

ELECTRONIC TACHOMETERS



MODEL NO. 999-D
90° FACE DIAL



MODEL NO. 998-D
250° FACE DIAL

"E. T." SERIES STANDARD SIZE TACHS

These units offer the ultimate in futuristic appearance, and operate on any 4, 6 or 8-cylinder passenger car with 12-Volt ignition. They feature a simple 2-wire hook-up to facilitate installation, and feed directly off the ignition system. Because of their solid-state, electronic design, they have no internal moving parts to wear or get out of order, and will give years of trouble-free service. These Tachs utilize rugged, spring loaded, jeweled D'Arsonval movements which assure full-scale accuracy $\pm 2\%$ through entire meter range. Zener diode regulation eliminates the need for batteries or external senders for operation. These Tachs are temperature and voltage compensated to assure consistently accurate readings under widely varying operating conditions.

Large $3\frac{1}{2}$ " dia. cases feature equally spread calibrations for precise readings and easy legibility. Faces have contrasting white numerals, yellow accent graduations and luminous fire orange pointers on a black background and can be read at a glance. Tachs are housed in tough Noryl[®] cases with Lexan[®] bezels that absorb shocks and impact. Cases are finished with satin chrome bezels and black suede Nextel[®] coating. Integral indirect illumination floods the dials with soft, uniform Lunar Blue light for maximum visibility. Tach faces can be rotated within Tach head a full 360° for easiest readability. Pedestal mount can be mounted on steering column, above or below dash board, or on instrument panel.

DIAL RANGE	MODEL NO.	FACE TYPE
0-8,000 RPM	999-D	90° Sweep
0-8,000 RPM	998-D	250° Sweep



MODEL NO. 999-C
90° FACE DIAL



MODEL NO. 998-C
250° FACE DIAL

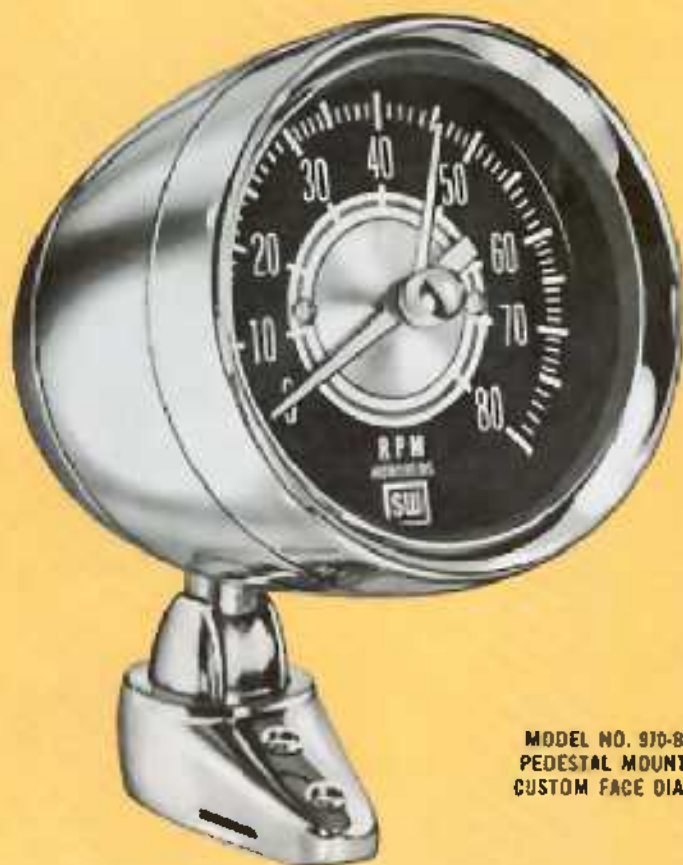
"E. T." SERIES COMPACT SIZE TACHS

These precision Tachs combine sleek, modern styling with high accuracy and dependability. Use in any 4, 6, or 8-cylinder car having 12-Volt positive or negative ground ignition. Two wire hook-up makes installation easy—eliminates battery drain as Tachs operate directly off the ignition. Solid-state electronic mechanisms have no internal moving parts, assuring years of trouble-free dependable service. Jeweled D'Arsonval movements allow full scale accuracy $\pm 3\%$ through entire meter range. Zener diode regulation needs no external senders or batteries for operation. Temperature and voltage compensation assure consistently accurate readings under widely varying operating conditions.

Linear sweep faces have equally spaced calibrations for precise readings at a glance. White numerals, yellow accent graduations and fire orange pointers stand out sharply from black background, 3" diameter Noryl[®] cases Lexan[®] bezels withstand shock and are resistant to scuffs and abrasion. Non-reflective satin chrome bezels add a custom touch. Integral indirect Lunar Blue illumination provides uniform light for maximum night readability. Tach faces can be swiveled in head a full 360°, allowing face to be precisely positioned for optimum visibility. Pedestal may be mounted on steering column, above or below dash board, or on instrument panel.

DIAL RANGE	MODEL NO.	FACE TYPE
0-8,000 RPM	999-C	90° Sweep
0-8,000 RPM	998-C	250° Sweep

ELECTRONIC TACHS



MODEL NO. 970-B
PEDESTAL MOUNT
CUSTOM FACE DIAL

970-B TACH

The 970-B Tach provides fast, accurate readings under any operating conditions. Fully transistorized, solid state circuitry resists shock and vibration. Electronic taps permit use with 4, 6, or 8 cylinder engines.

The handsomely designed 3 1/4" Custom face dial can be positioned for maximum readability by rotating the unique pedestal

assembly. Pedestal mount sweeps a full 360° in all planes. Special coated ring floods the dial with uniform "Lunar Blue" light, minimizing glare and reflection. Dial range is 0-8000.

For use with 12 volt, negative ground ignition systems only. Ignition monitor is required. See chart on page 7 for proper application and monitor.

"960" SERIES ONE-PIECE TACHS

The 960 Series one-piece electronic Tachs are designed for 6 and 8 cylinder, 4 cycle gasoline engines with standard 12 volt negative ground ignition systems. The "960" is fully transistorized and features Zener Circuitry that eliminates all batteries and relays. NO SENDER IS REQUIRED. Its case is rust-resistant steel, 3 1/4" in diameter. Black and White face dials have white pointer. Custom face dial has red pointer. Light kit included. For top of dash or steering-post mounting use Mounting Kit No. 366-MS.



MODEL NO. 960-AA
CUSTOM FACE DIAL

Dial Range	Cylinders	Face Dial	Model No.
0-5000	6	Black & White	960-BD
0-5000	8	Black & White	960-BE
0-8000	8	Black & White	960-BF
0-8000	8	Custom	960-AA

ELECTRONIC TACHS



MODEL NO. 977-M
FOR IN-PANEL MOUNTING



MODEL NO. 977-A
PEDESTAL MOUNT

"977" SERIES TACHS

The "977 Tach" incorporates the latest engineering improvements to provide fast, accurate readings under all conditions. Fully transistorized, Solid State circuitry provides greater shock and vibration resistance. The patented moving coil mechanism is the most rugged ever designed. Electronic taps permit instant change to 4, 6, or 8 cylinder applications.

The 3 3/8" dia. face dial arrangement is preferred by the world's leading race car drivers. The shift point is always top-dead center for quick, accurate reading. Unique pedestal head assembly rotates to any desired shift position. Face dials are black with white numerals. Yellow pointer on black dial provides maximum readability at all times. Models 977-A and 977-B have black wrinkle finish cases with brushed chrome trim. Model 977-J pedestal mounted Tach has case entirely of chrome plate. Special coated ring floods the dial with uniform, soft "Lunar Blue" light that cuts glare and reflection. Exclusive, versatile pedestal mount sweeps a full 360° in all planes. Choice of universal Pedestal Mount or in-panel mount. For use with 12 volt, negative ground ignition systems only. Note: 977 Series Tachs require use of an ignition monitor. See chart for proper monitor and application.



IGNITION MONITORS for 977 and 970 Series Tachs

Ignition Type	Monitor	Ignition Type	Monitor
Standard Battery Ignition	990-B		
Autolite Transistor	990-A	Mallory Rev Pol	990-B
Cragar "Power Pack" CD	*990-D	Mallory "Super Mag"	*990-D
Delco Remy Transistor	990-A	Mallory T12-NA	990-A
DelcoTronic CD	*990-D	Motorola	990-A
Delta "Mark X" CD	*990-D	Prestolite CD-65	*990-D
Gregg CD-12N	*990-D	Prestolite 250 Transistor	990-A
Holley TP-1 Transistor	990-A	Schiefer Magneto	990-D
Leece-Neville Transistor	990-A	**Spaulding	990-B
Mallory CD	*990-D	Vertex Magneto	*990-D
Mallory-Mini-Mag	990-A	Wico Transistor	990-A

*Adjustable monitor for either magneto or capacitor discharge ignition systems.

**Use 4 cylinder terminal with 8 cylinder engine.

DIAL RANGE	PART NO.	
	PEDESTAL	PANEL
0-7,000 RPM	977-A	—
0-8,000 RPM	977-J	977-M
0-9,000 RPM	977-B	—



**MODEL NO. 429370
STANDARD TACHOMETER**



**MODEL NO. 813929
COMPACT TACHOMETER**



**MODEL NO. 366-MS
MOUNTING CUP**

STANDARD AND COMPACT TACHOMETERS

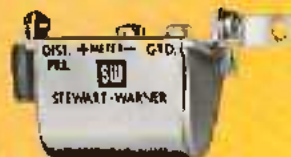
An accurate, dependable, easy to install electric tachometer for 2-cycle and 4-cycle engines. Fits standard ignitions and the more popular transistor, capacitor discharge and magneto ignition systems. Simple 2 wire installation permits ease of installation. The sturdy D'Arsonval meter movement is housed in a weather-proof, magnetic-shielded case. Custom face dial only. Bright chrome bezels. Internal lighting, with terminals, socket and 12V bulb included in kit. Standard and Compact tachometers are identical in construction. The Standard Tachometer has a 3 3/4" dia. case. The Compact Tachometer has a 2 3/4" dia. case.

MODEL NUMBERS

Dial Range	Standard	Compact
0-6000 RPM	432967	813244
0-8000 RPM	429370	813929
0-10,000 RPM	810750	—

"V" Series Senders for Standard and Compact Meters

"V" Series Senders. Models are available for standard 6V or 12V ignition systems as well as transistor, capacitor discharge and magneto ignition systems. Compact size permits the sender to be mounted on a Standard Meter inside a 366-JH mounting cup. All models can be used on remote or dual meter installations. All models fit either positive or negative ground installations.



STANDARD V-TYPE SENDERS (4 Cycle, 6 or 12 Volts, Negative or Positive Ground, Ignition Systems)

Number of Cylinders	Part No.	Ignition Systems
8	819891	Standard, Transistor, Capacitor Discharge
6	819892	Standard, Transistor, Capacitor Discharge
4	819893	Standard, Transistor, Capacitor Discharge
8	819894	Magneto

8 Cylinder Application Chart for Transistor, Capacitor Discharge and Magneto Ignition Systems

System	Part No.	System	Part No.	System	Part No.
Autolite	819891	Judson	819891	Prestolite 201, 250, CD-65	819891
Delco	819891	Mallory Double Life	819891	Schiefer	819894
Delcotron	819891	Mallory Mini-Mag	819894	Scarbilla	819894
Delta C-D	819891	Mallory Rev-Pol	429377	Spaulding (Grant)	819893
DuCoil	819891	Mallory Super Mag	819894	Tung-Sol EI-5	819891
Holley	819891	Mallory T-12NA	819891	Vertex (Ronco)	819894
Hunt Magneto	819894	Motorola C-D	819891	Wico	819891

CHROME CUP MOUNTING KITS FOR TACHOMETERS

NO. 366-JH

Chrome cup mounting kit for instrument with case measuring 3 3/4" diameter and not more than 2" from back of bezel to back of case (including studs). Preferred when instrument is to be mounted on top of dash.

NO. 366-MS

Chrome cup mounting kit. Same as No.

366-JH except with a deeper cup that will hold instrument measuring not more than 3" from back of bezel to back of case (including studs).

NO. 366-MP

Chrome cup mounting kit. Same as No. 366-JH except with cup for instruments with case measuring 2 3/4" diameter and not more than 2" from back of bezel to back of case (including studs).

NO. 366-FR

Kit for mounting any 3 3/4" dia. case instrument on steering column or on top of dash. Consists of a black zinc chromated formed clamp to hold the instrument; a black aluminum base; an adjustable metal strap and necessary screws, nuts, etc.

NO. 366-JF

Mounting kit. Same as No. 366-FR for 2 3/4" case diameter instruments.

MECHANICAL TACHS



No. 551-SE



No. 551-WC



No. 551-SH



No. 551-SJ

MECHANICAL TACHOMETERS

These Mechanical Tachometers are designed to be used on engines with built-in tachometer take-offs, and meet or exceed OEM specifications for replacement on trucks, industrial engines, and high performance cars.

Tachometers incorporate 3 $\frac{3}{4}$ " dia., rust resistant, steel cases and are equipped with panel mounting brackets and hole in back of case to hold bulb for lighting. Shaft connection is straight-out with $\frac{1}{8}$ " 18 external thread and .105" square hole.

Model Nos. 551-SE, 551-SF, 551-WB, and 551-WC have black face dials with white numerals, white pointers, and non reflective Satin Chrome bezels. Model Nos. 551-SH, and 551-SJ have black face dials, with white numerals, fire orange pointers, and bright chrome bezels.

MODEL NUMBERS

Dial Range	2:1 CALIBRATION		Bezel
	No Odometer	With Odometer	
0-3500 RPM	551-SE	551-SF	Satin-Chrome
0-5000 RPM	551-SH	—	Bright-Chrome
0-8000 RPM	551-SJ	—	Bright-Chrome

Dial Range	1:1 CALIBRATION		Bezel
	No Odometer	With Odometer	
0-3500 RPM	551-WB	551-WC	Satin-Chrome

HEAVY DUTY MECHANICAL TACH

This rugged Mechanical Tachometer is designed for competition cars, motorcycles and drag boats. It is engineered to out-last and out-perform all other types of mechanical tachometers. Rust-Resistant steel case measures 3 $\frac{3}{4}$ " dia.

Accuracy and reliability under all operating conditions are assured by these integral construction features: Lodex magnet with heavy duty hairspring assures pointer stability at high speeds and extreme vibration; paddle wheel damping prevents needle fluctuation and assures smooth pointer response; special "Certified Calibration" for accuracy within $\pm 1\%$ at every RPM speed. In addition, the 535-AH features an easy-to-read "Competition" face dial with adjustable red-line indicator.

Calibration is 2:1 straight out shaft connection with $\frac{1}{8}$ " 18 external thread and .105" sq. hole.

DIAL RANGE	PART NO.
0-9,000 RPM	535-AH



Available in two face dial sizes:
2 $\frac{3}{4}$ " dia., 4 $\frac{1}{2}$ " dia.
Face dial marking made to order.

INDUSTRIAL TACHOMETERS

Stewart-Warner Industrial Tachometers are used to control the speed of production machines so as to obtain maximum output consistent with quality of product. If the speed of the machine is variable and controllable, only a tachometer can supply the information that makes control possible. Even on a machine with a constant speed electric motor a tachometer is frequently installed in order to detect variations in speed that might indicate malfunction and a need for corrective action. A tachometer can be installed on any machine where a drive shaft is accessible. Face dials are black with white numerals and pointer. Dials read in RPM but can be printed to show rate of production—Feet per minute, Gallons per hour, etc., depending upon the product. Replacement tachometers for existing installations may be had by ordering (See Catalog No. 1130.) On new installations, call your S-W Representative who will be glad to work out the proposal for you.

MOTORCYCLE TACHOMETERS

The Stewart-Warner one piece electronic motorcycle tach is designed for use on all standard, 6 or 12 volt positive or negative ground battery ignition systems and most transistorized ignition systems. Both models feature the popular 12,000 R.P.M., easy to read, 2 1/2" diameter custom face dial mounted in a shock-proof, vibration resistant chrome cup that insures greater accuracy and longer life. The exclusive universal mounting device fits all Honda models, all Suzuki models, all Yamaha models and most other popular motorcycles. Installation is easy. Complete instructions are included with each tachometer.



APPLICATION CHARTS*

APPLICATION—Honda, Suzuki, Yamaha	TACH MODEL NUMBER
Honda Models: S-90, CB 72, CB-77, CL 72, CL-77, CB-450	819890
All Other Honda Models	819889
All Suzuki	819889
All Yamaha	819889

OTHER MOTORCYCLES AND APPLICATIONS

1 Cylinder, 2 cycle	819889
2 cylinder, 2 cycle with dual coils and dual points	819889
1 cylinder, 4 cycle with spark produced every revolution	819889
1 cylinder, 4 cycle with one spark produced every two revolutions	819890
2 cylinder, 4 cycle with single coil distributor ignition	819889
2 cylinder, 4 cycle with dual points and dual coils, with spark produced every revolution	819889
2 cylinder, 4 cycle with dual coils and dual points with one spark produced each two revolutions in each cylinder	819890

*These tachometers are not recommended for Karts, due to the detonation-ignition of most Kart engines, nor for magne systems.

DIESEL TACHOMETERS

These tachometers are for use with diesel engines or any engine equipped with a built-in tachometer take-off. The Meter is similar to the Meters in the "Standard" tachometer line, except for the range of the dial scale. Meter is calibrated for engine take-off operating at half engine speed, clockwise or counter-clockwise rotation. For other take off speeds appropriate Ratio Cartridges are available. The heavy-duty Sender is fully sealed and it is constructed to withstand severe vibration. The Sender generates the electrical impulses that actuate the Meter. Battery current is required only for lighting. Sender has 3/8" internal thread connection with .187" Drive Tip and attaches directly to engine take-off. Installation requires use of both Meter and Sender. Two meters can be run off single sender.



Dial Range	Meter No.
0-3000 RPM	811531
0-5000 RPM	812831



SENDER

FOR DIESEL TACHOMETERS
PART NO. 811532 includes .187"
Drive Tip No. 811533 and installa
tion instructions.



DRIVE TIPS

Diameter	Part No.
.152"	811535
.187"	811533
.203"	811536



RATIO CARTRIDGES
Tach Take-Off/Engine RPM

Ratio	Part No.
1:1	811537
1.5:1	811538
2.05:1	811539



EXTENSION SLEEVE

For some GM, Mack and other applica
tions. 2 1/4" long. Consists of Sleeve No.
103402 plus appropriate clutch.

Description	Part No.
Sleeve only	103402
.152" Clutch for GM	814011
.187" Clutch	814012
.203" Clutch for Mack	814013

PORTABLE TACHOMETER

Stewart-Warner's Portable Tachometer measures shaft speeds instantly—accurately—from 100 to 4,000 R.P.M., clockwise or counter clockwise rotation. Can be used whenever end of shaft is accessible. No watch or counter needed—just press tachometer



Part No. 757-W-1
Portable Tachometer

tip against end of shaft and read revolutions per minute on face dial. Strongly constructed to withstand hard usage. Durable steel case has fine-grain, black-wrinkle finish. Face dial cover glass is set in cork gasket and bezel is pressed on to make a dustproof, waterproof seal. Comes with Cone Tip No. 96798 for shafts with center hole; Cup Tip No. 96799 for shafts with flat or convex end. Packed in screw-top metal can that is suitable carrying case.

EXTENSION SHAFT

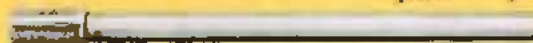
Available as an accessory is a 12" ex
tension shaft for getting at hard-to
reach points. Part No. 412850.



CUP TIP
#96799



CONE TIP
#96798





Whenever expert information is needed, turn to a panel of experts: selected Stewart-Warner instruments. Stewart-Warner precision gauges will provide the expert data necessary to

keep your engine running right. Stewart-Warner offers the most complete selection of gauges on the market: large and small sizes, choice of face dials, perfectly matched instruments.

PRESSURE GAUGES

DELUXE GAUGES—2-1/16" Dia. Case

TYPE & RANGE	BLACK & WHITE FACES				CUSTOM FACES	
	STEEL		BRASS		BRASS	
	MECH.	ELECT.*	MECH.	ELECT.*	MECH.	ELECT.*
FUEL 0-10 lbs.	360-HY**	—	—	—	—	—
FUEL 0-30 lbs.	360-HZ	—	—	—	—	—
FUEL 0-200 lbs.	360-JE	—	—	—	—	—
OIL 0-80 lbs.	360-JB	306-DC (12V)	360-AD	306-G (12V)	360-DB	306-BB (12V)
				306-B (6V)		
OIL 0-100 lbs.	360-JC	306-DD (12V)	360-A	—	360-DP	—
OIL 0-200 lbs.	360-JD	—	—	—	—	—
DRIVE OIL 0-300 lbs.	—	—	360-BX	—	—	—
DRIVE OIL 0-400 lbs.	—	—	360-EK	—	—	—
MANIFOLD 0-30 lbs.	360-JA	—	—	—	—	—
AIR 0-150 lbs.	360-DE	—	—	—	—	—



BLACK & WHITE FACE

CUSTOM FACE

Mechanical gauges have center-gear bourdon tube mechanisms which provide 270° sweep of pointer for the most accurate readings. Electric gauges have electro-magnetic mechanisms for instantaneous reading. Electric gauges are recommended where engine and control panel are more than 20 feet apart. Brass case gauges (except 360-BX and 360-EK) have windows for 366-CH Light Kit. 360-BX, 360-EK and all steel case gauges have chimneys with light kit provided.

**90° pointer sweep.

*Note: Select electric gauge senders described below

UTILITY GAUGES—2-1/32" Dia. Case

TYPE & RANGE	BLACK & WHITE FACES		CUSTOM FACE	
	LIGHT	NO LIGHT	LIGHT	NO LIGHT
FUEL 0-10 lbs.	352-DA	—	—	—
OIL 0-50 lbs.	—	352-AT	—	—
OIL 0-80 lbs.	352-CX	352-AW	352-EJ	—
OIL 0-100 lbs.	—	352-AY	—	—



BLACK & WHITE FACE

CUSTOM FACE

Rugged diaphragm mechanism is built to withstand severe vibration and overload conditions. Perfect for automotive use where 90° face dial is preferred, and for industrial engines, farm tractors or other applications where dust, vibration or rough treatment are expected. Models with windows back of bezels for indirect lighting require Lighting Kit No. 366-CH.

RACING GAUGES—2-5/8" Dia. Case

TYPE & RANGE	BLACK & WHITE FACES	CUSTOM FACE
FUEL 0-10 lbs.	367-B	—
OIL 0-100 lbs.	691-CB	691-L
OIL 0-150 lbs.	691-DB	—
AIR 0-150 lbs.	691-FB	—
	*368-P	



BLACK & WHITE FACE

CUSTOM FACE

Racing gauges also feature center-gear bourdon-tube mechanisms which provide 270° sweep of pointer for the most accurate readings. Preferred where fast, easy reading is required. Chimneys for internal lighting require Lighting Kit No. 366-FK.

*w/warning light 3 1/4" dia. case.

INSTALLATION KITS

(for mechanical pressure gauges)

Mechanical pressure gauges have 1/4" external P.T. connection on back of gauge. For making installation, use Kit No. 366-FF or 366-HM.

Kit No. 366-FF. Consists of: Six (6) feet of 1/4" nylon tubing; couplings with 1/4" internal P.T.; coupling with 1/4" external P.T.; adaptor for 1/4" P.T. oil gallery.

Kit No. 366-HM. Same as No. 366-FF except has sixteen (16) feet of tubing for rear-engined cars.

ELECTRIC GAUGE SENDERS

Gauge No. 305-B requires Sender No. 353 E.

Gauge Nos. 306-G, 306-BB, 306-DC require Sender No. 353-Z.

Gauge No. 306-DD requires Sender No. 353 S.

For 24V systems use 12V gauge plus No. 428989 Resistor.

For 32V systems use 12V gauge plus No. 417813 Resistor.

TEMPERATURE GAUGES



BLACK & WHITE FACE

CUSTOM FACE

Mechanical gauges have center-gear bourdon-tube mechanisms which provide 270° sweep of pointer for the most accurate readings. Electric gauges have electro-magnetic mechanisms for instantaneous reading. Electric gauges are recommended where engine and control panel are more than 20 feet apart. Available with either Brass case or Steel case. Brass case gauges have windows for lighting (Kit 366-CH). Steel case gauges have chimneys with light kit provided.

DELUXE GAUGES—2-1/16" Dia. Case

TYPE & RANGE	BLACK & WHITE FACES				CUSTOM FACES	
	STEEL		BRASS		BRASS	
	MECH.	ELECT.	MECH.	ELECT.	MECH.	ELECT.
WATER 60°-240°	—	—	361-L	310-F (6V)	361-AT	311-CC (12V)
	—	—	—	311-W (12V)	—	—
WATER 100°-240°	—	311-HH (12V)	—	—	—	—
WATER 100°-250°	361-CB	—	—	—	—	—
OIL 100°-270°	361-CC	311-HJ (12V)	361-A	311-R (12V)	361-BB	311-CF (12V)
	—	—	—	310-D (6V)	—	—
OIL 180°-325°	—	311-HK* (12V)	—	—	—	—

*Requires Temp. Sender No. 362-AA

NOTE: All Electric Temperature Gauges above require Temperature Senders below.



BLACK & WHITE FACE

CUSTOM FACE

Rugged diaphragm mechanism is built to withstand severe vibration and overload conditions. Perfect for automotive use where 90° face dial is preferred, and for industrial engines, farm tractors or other applications where dust, vibration or rough treatment are expected. Models with windows back of bezels for indirect lighting require Lighting Kit No. 366-CH.

UTILITY GAUGES—2-1/32" Dia. Case

TYPE & RANGE	BLACK & WHITE FACES		CUSTOM FACES	
	LIGHT	NO LIGHT	LIGHT	NO LIGHT
WATER 100°-250°	356-BW	356-AJ	356-CX	—
	—	*366-C (For Radiator Hose Connection)	—	—

*48" tubing



BLACK & WHITE FACE

CUSTOM FACE

RACING GAUGES—2-5/8" Dia. Case

Racing gauges also feature center-gear bourdon-tube mechanisms which provide 270° sweep of pointer for the most accurate readings. Preferred where fast, easy reading is required. Chimneys for internal lighting require Lighting Kit No. 366-FK.

TYPE & RANGE	BLACK & WHITE FACES	CUSTOM FACES
WATER 100°-250°	692-E	692-H
OIL 100°-325°	442057	—

TEMPERATURE GAUGE ADAPTER NUTS FOR MECHANICAL GAUGES

Outside Thread	Min. I.O.	Part No.
1/4" P.T.	.3860"	428819 (Steel)
1/4" P.T.	.4375"	408550 (Brass)
3/8" P.T.	.4375"	72446 (Steel)
1/2" P.T.	.4375"	90567 (Brass)
3/4" P.T.	.5000"	412268 (Brass)
1/2"-18	.4531"	95527 (Brass)

*For tubing less than 120" in length.

TEMPERATURE SENDERS FOR ELECTRIC GAUGES

TEMPERATURE SENDERS FOR ONE GAUGE						**FOR TWO GAUGES		
P.T.	Volts	Part No.	P.T.	Volts	Part No.	P.T.	Volts	Part No.
1/4"	12V	362-C2	1/4"	12V	362-AJ	1/4"	12V	362-BO
1/4"	6V	362-AM	1/4"	6V	362-J	1/4"	12V	362-BC
1/4"	12V	362-AH	1/4"	12V	362-AH	1/4"	12V	362-EB
1/4"	6V	362-B	**1/4"	12V	362-AA			

*Note: Two gauges must be used with these senders

**For No. 311-HK (100° to 325°)

FOR 24V SYSTEMS USE 12V GAUGE WITH NO. 428989 RESISTOR.
FOR 32V SYSTEMS USE 12V GAUGE WITH NO. 417813 RESISTOR.

FUEL LEVEL GAUGES



DELUXE GAUGES—2-1/16" Dia. Case

TYPE & RANGE	BLACK & WHITE FACES		CUSTOM FACE
	STEEL	BRASS	BRASS
FUEL E-3/4-F (12V)	301-CP	301-H	301-AW
FUEL E-1/2-F (6V)	—	300-B	—

BLACK & WHITE FACE

CUSTOM FACE

Heavy-duty electro-magnetic mechanisms for fast, instantaneous reading. Steel case gauges have chimneys for lighting with lighting kit provided. Brass case gauges have windows for lighting and require Lighting Kit No. 366-CH.



UTILITY GAUGES—2-1/32" Dia. Case

TYPE & RANGE	BLACK & WHITE FACES	CUSTOM FACE
	(NO LIGHT)	(WITH LIGHT)
FUEL E-3/4-F (12V)	378-P	378-BH
FUEL E-1/2-F (6V)	365-X	—

BLACK & WHITE FACE

CUSTOM FACE

Rugged thermo-electric mechanism provides accurate readings under vibration conditions encountered in off highway operation. Only custom gauge has windows for lighting. Use Lighting Kit No. 366-CH.



RACING GAUGES—2-5/8" Dia. Case

TYPE & RANGE	BLACK & WHITE FACES	CUSTOM FACE
FUEL E-3/4-F (12V)	616-B	616-E
FUEL E-1/2-F (6V)	615-A	—

BLACK & WHITE FACE

CUSTOM FACE

Heavy duty electro-magnetic mechanism for fast, accurate readings on large face dial. Chimney for lighting. Use Lighting Kit No. 366-FK.

INSTALLATION

Every electric fuel level gauge requires a sender or tank unit in the gasoline tank. List of Senders or Tank Units is shown below. When installing a new sender, use Installation Kit No. 366-LP which consists of the following: 1—No. 93310 Flange, 1—No. 72030 Gasket, 5—No. 61463 Washers, 5—No. 79295 Screws.

FOR 24V SYSTEMS USE 12V GAUGE WITH NO. 428989 RESISTOR

FOR 32V SYSTEMS USE 12V GAUGE WITH NO. 417813 RESISTOR

Note: All Fuel Level Gauges above require Fuel Level Sender; below.

FUEL LEVEL SENDERS FOR ELECTRIC GAUGES



FOR
10"-24"
DEPTH



FOR 6"-12" DEPTH

Description	6-Volt		12-Volt	
	10"-15" depth; LH arm	380-TF	391-A	391-A
10"-15" depth; RH arm	380-YG	391-B	391-B	391-B
15 1/2"-24" depth; LH arm	380-TH	391-C	391-C	391-C
15 1/2"-24" depth; RH arm	380-TJ	391-D	391-D	391-D

NOTE: For new installations of a Fuel Level Sender (Tank Unit), order Installation Kit No. 366-LP which contains the following parts: 1—No. 93310 Flange, 5—No. 79295 Screws, 1—No. 72030 Gasket, 5—No. 61463 Washers.

AMMETERS · ALTERNATOR GAUGES VOLTMETERS · VACUUM GAUGES

SYMBOL OF
SW
EXCELLENCE



BLACK & WHITE FACE

CUSTOM FACE

Extra heavy-duty electro-magnetic mechanism with internal shunts provide accurate readings. Steel case gauges (except 375-T and 348 F) have chimneys with light kit provided. 375 T, 348-F, and all brass case gauges have windows for 366-CH Light Kit.

DELUXE GAUGES—2-1/16" Dia. Case

TYPE & RANGE	BLACK & WHITE FACES		CUSTOM FACES	
	STEEL	BRASS	STEEL	BRASS
AMPS 30-0-30	359-EM	359-I	—	—
AMPS 60-0-60	359-EN	359-M	—	359-CC
AMPS 60-0-60	—	377-A*	—	—
AMPS 100-0-100	369-AX	369-C	—	—
AMPS 100-0-100	—	377-B**	—	—
ALT. 60-0-60	359-CT	—	359-CW	—
VOLTS 11-15	375-AL	—	375-T 348-F (THERMAL)	—

*Requires remote shunt No. 813489.

**Requires remote shunt No. 407616.



BLACK & WHITE FACE

CUSTOM FACE

Heavy-duty electro-magnetic mechanism with internal shunts. For automotive use and for industrial engines, farm tractors and other applications where dust, vibration or rough treatment are expected. Available with or without windows for lighting. For lighting use Kit 366-CH

UTILITY GAUGES—2-1/32" Dia. Case

TYPE & RANGE	BLACK & WHITE FACES		CUSTOM FACES	
	LIGHT	NO LIGHT	LIGHT	NO LIGHT
AMPS 20-0-20	—	357-W	—	—
AMPS 30-0-30	357-DB	357-N	357-DN	—
AMPS 60-0-60	357-BL	357-X	357-DP	—



BLACK & WHITE FACE

CUSTOM FACE

RACING GAUGES—2-5/8" Dia. Case

Extra heavy-duty electro-magnetic mechanism with internal shunts. Large face dial provides fast easy reading. Chimney for lighting. Use Lighting Kit 366-FK.

TYPE & RANGE	BLACK & WHITE FACES	CUSTOM FACES
AMPS 30-0-30	690-B	—
AMPS 60-0-60	690-C	690-J



BLACK & WHITE FACE

CUSTOM FACE

VACUUM GAUGES

DELUXE GAUGES—2-1/16" DIA. CASE

Heavy-duty center-gear bourdon-tube mechanism provides accurate reading on 90° scale. Steel case gauges have chimney for lighting with light kit provided. Brass case gauges have window for lighting. Use Lighting Kit No. 366-CH.

RACING GAUGES—2-5/8" DIA. CASE

Heavy-duty center-gear bourdon-tube mechanism provides accurate reading on 270° scale. Preferred for fast reading. Chimney for lighting. Use Lighting Kit No. 366-FK.

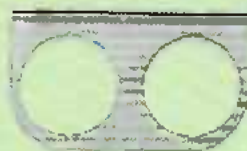
DIAL RANGE	BLACK & WHITE FACES		CUSTOM FACES	
	DELUXE		RACING	
	STEEL	BRASS	DELUXE BRASS	RACING
0-30" VACUUM	355-BM	355-A	355-AP	355-R

NOTE: Vacuum gauges have 1/8" external P.T. connection on back of gauge. Use installation Kit No. 366-FF for front-engined cars; Kit No. 366-NW for rear-engined cars.

STRIPED CHROME PANELS



No. 811658—For 2 1/8" or 2 1/16" Ga.
No. 428122-2—Black finish
No. 811659—For 2 3/8" dia. gauge.

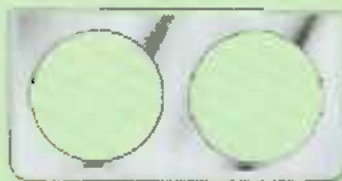


For 2 1/2" or 2 1/4" dia. gauges.
No. 811196—With bracket for lighting.

BRIGHT CHROME PANELS



No. 817825
For 2 1/2" and 2 1/4" dia. gauges.



No. 813877—For 2 3/8" dia. gauges.



No. 814143—For 2 1/2" or 2 1/4" dia. gauges.
Bracket for lighting.



For 2 1/2" or 2 1/4" dia. gauges.
No. 811653—Brackets for lighting.



No. 813642—For 2 3/8" dia. gauges.



For 2 1/2" or 2 1/4" dia. gauges.
No. 813878—Brackets for lighting.

INSTALLATION KITS

No. 366-FF—For installing mechanical oil pressure gauges and vacuum gauges with 1/8" p.t. connection.

CONTENTS OF KIT

- A. Coupling with 1/8" Int. P.T.
- B. Six (6) feet 1/8" Nylon tubing.
- C. Coupling with 1/8" Ext. P.T.
- D. Adapter for 1/4" P.T. oil gallery.
- E. Instruction sheet

No. 366-HM—Same as No. 366-FF except with 16' of tubing for rear engine cars.

LIGHTING KITS

No. 366-CH—For use with instruments having windows for indirect lighting. Consists of 12" single wire lead with light socket and 12V bulb, and bracket which attaches to stud on back of instrument.

No. 366-FK—Same as No. 366-CH except without bracket.

No. 419046—Two-wire light socket.

PACKAGED GAUGE KITS



366-JL



366-JM



366-ML



366-MM



366-MN



366-MK



366-MJ

These counter display packages include panel, gauges, lighting kits, oil pressure gauge installation kit (when required) and installation instructions.

No. 366-JL. Consists of an Ammeter and Oil Pressure Gauge enclosed in a plastic case. Includes No. 366-FK Lighting Kit.

No. 366-JM. Consists of No. 81196 Panel, No. 357-8L Ammeter, No. 352-CX Oil Pressure Gauge, No. 366-FK Lighting Kit, No. 366-FF Installation Kit.

No. 366-ML. Consists of No. 817825 Panel, No. 357-DP Ammeter.

No. 366-MM. Consists of No. 817825 Panel, No. 352-EJ, Oil Pressure Gauge, No. 366-FF Installation Kit.

No. 366-MN. Consists of No. 817825 Panel, No. 356-CX Water Temperature Gauge.

No. 366-MK. Consists of No. 814143 Panel, No. 357-DP Ammeter, No. 352-EJ Oil Pressure Gauge, No. 366-FF Kit, No. 366-FK Kit.

No. 366-MJ. Consists of No. 811653 Panel, No. 357-DP Ammeter, No. 352-EJ Oil Pressure Gauge, No. 356-CX Water Temperature Gauge, 366-FF Kit, two No. 366-FK Kits.

SAFETY PANELS



MODEL 524-DF

**CONTINUOUS PROTECTION
AUTOMATIC OPERATION ...**

For the protection of unattended or remotely controlled internal combustion engines on Irrigation Pumps, Oil Rigs, Generator Sets, Air Compressors, Fork Lift Trucks, Refrigeration Machines, Air Conditioners, etc.

MODEL 524-DF

FOR BATTERY IGNITION AND DIESEL

Model 524 DF Safety Panel consists of the following: one No. 444446 Safety Oil Pressure Gauge; one No. 442412 Safety Water Temperature Gauge with 48", 72", or 144" tubing (specify length); one No. 357-N Ammeter; one No. 420711 Stop Switch & Re-Set; one No. 421015 Fuse; installed in a weatherproof steel case with hammered aluminum finish. Complete wiring diagram and operating instructions.



MODEL 524-DH

AUTOMATICALLY SHUTS OFF ENGINE...

BEFORE lubricating oil pressure drops to dangerously low level because of inoperative oil pump, lack of oil, clogged oil lines, etc. **BEFORE** engine temperature rises dangerously high because of inoperative pump, clogged radiator, leaks in radiator, broken fan belt, etc.

MODEL 524-DH

FOR MAGNETO IGNITION

Model 524-DH Safety Panel consists of the following: one No. 444446 Safety Oil Pressure Gauge; one No. 442412 Safety Water Temperature Gauge with 48" tubing; one No. 421664 Three Way Toggle Switch; and one No. 421685 Instruction Plate; all installed in a weatherproof steel case with hammered aluminum finish. Complete with wiring diagram and installation and operating instructions.

SAFETY PANEL PARTS

Stewart-Warnor Safety Gauges are ruggedly built to withstand vibration and hard usage. They have chrome bezels and individual mounting brackets. Gauges fit flush with front of panel. Silver contacts prevent corrosion and assure clean contact points. Points

are adjustable from rear of gauges. All gauges and switches may be used with either 6V or 12V circuits. Speed-grip connector supplied with each gauge.



357-N Ammeter (30-0-30). Silicone-damped pointer. Terneplate case, 2-1/32" dia. Chrome bezel.



421664 Three-Way Switch. Assembly. 2-1/32" dia. Chrome bezel. (Switch only is Part No. 421664.)



420711 Stop Switch and Re-Set. Brass case, 2-5/8" dia. Neoprene cover. Chrome bezel.



Safety Pressure Gauges.
444446.....(0-80 lbs.)
444518.....(0-30 lbs.)
Terneplate case, 2-1/32" diameter. Chrome bezel. 1/4" P.T. connection.



442412 Safety Water Temperature Gauge has 48" tubing and 1/2" P.T. connection. 72" and 144" tubing also available. 2-1/32" dia. case with chrome bezel.



444486 Water Pressure Gauge. (0-160 lbs.) For output side of jet type pumps. Construction same as 444446 Series Gauges.

SENDERS AND SWITCHES

Temperature and Pressure



TEMPERATURE SENDERS



PRESSURE SENDER



TEMPERATURE SWITCHES



PRESSURE SWITCH



SELECTION GUIDE AND CROSS REFERENCE

TEMPERATURE SENDERS—Series 362—For Temperature Gauges

	6V	12V	TWO GAUGES 12V	CONSTANT VOLTAGE
1/8" PT	362-AM	362-DZ	362-BD	362-CL
1/4"	362-B	362-WN	362-BC	362-BH
3/8"	362-J	362-AJ	362-BB	362-BK
1/2"		362-AH 362-AA (100-325°)		362-W
		BUTTON-TYPE		
1/8"				362-DJ
1/4"		362-AD		362-AP
1/2"		362-BY		

CROSS REFERENCE FOR REPLACEMENT OF STEWART-WARNER O.E.M.

O.E.M. No.	S-W No.	O.E.M. No.	S-W No.	O.E.M. No.	S-W No.
362-K	362-J	362-AS	362-BK	362-CJ	362-AH
362-P	362-BK	362-AX	362-AN	362-CW	362-CZ
362-S	362-AM	362-AY	362-W	362-DA	362-AA
362-T	362-BK	362-AZ	362-BH	362-DB	362-CL
362-V	362-BH	362-BA	362-AH	362-DC	362-AH
362-X	362-AH	362-BE	362-AA	362-DD	362-AH
362-Y	362-AN	362-BF	362-BH	362-DF	362-AR
362-AE	362-AJ	362-BJ	362-BH	362-DP	362-AH
362-AK	362-AJ	362-BW	362-J	362-DS	362-CL
362-AR	362-AD	362-BX	362-AH	362-DT	362-AD
				362-EC	362-W

PRESSURE SENDERS—Series 353—For Pressure Gauges

Gauge	6V	12V	6V-30 OHM
0-80 L.B.	353-E	353-Z	353-K
0-80 L.B. (Two gauges)		353-AM	
0-100 L.B.		353-S	

CROSS REFERENCE FOR REPLACEMENT OF STEWART-WARNER O.E.M.

O.E.M. No.	S-W No.	O.E.M. No.	S-W No.
353-B	353-E	353-AG	353-K
353-C	353-E	353-AH	353-Z
353-D	353-K	353-AF	353-Z
353-L	353-K	353-AW	353-Z
353-R	353-Z	353-BA	353-Z

TEMPERATURE SWITCHES—Series 363—For Warning Lights

Temp.	Thread 1/2"	1/4"	1/8"
200°	363-D	363-E	363-F
225°			363-G
250°			363-AE
260°			363-AA
270°			263-AB
Double Switch			
120°-250°			363-AD
120°-250°			363-AE

CROSS REFERENCE FOR REPLACEMENT OF STEWART-WARNER O.E.M.

O.E.M. No.	S-W No.	O.E.M. No.	S-W No.
363-M	363-F	363-X	363-AB
363-J	363-F	363-AL	363-D
363-N	363-E	438031	363-E
363-P	363-F	438054	363-F
363-R	363-G	438070	363-F
363-S	363-F	438082	363-AB
363-T	363-F	438086	363-E

PRESSURE SWITCHES—Series 364—For Warning Lights

	6 LB.	10 LB.	15 LB.	50 LB.	80 LB.
1/8"	364-L	364-AH	364-K	438076	438071
1/4"	364-M	364-AJ			
1/2"		364-AL			

CROSS REFERENCE FOR REPLACEMENT OF STEWART-WARNER O.E.M.

O.E.M. No.	S-W No.	O.E.M. No.	S-W No.
364-N	364-L	364-Y	364-K
364-M	364-L	364-AA	364-M
364-P	364-L	364-AE	364-K
364-R	364-M	364-AF	364-L
364-S	364-AH	364-AM	364-AH
364-X	364-L	364-AN	364-L



SIGNAL LIGHT

For use with any Pressure or Temperature Switch
 No. 417364 for 6-volt systems
 No. 420125 for 12-volt systems

OIL PRESSURE SWITCHES

by make, year and car engine



364-AH



364-AL



364-AK



364-M



364-L

REPLACEMENT OIL PRESSURE SWITCHES FOR WARNING LIGHTS

CAR/YEAR ENGINE S-W No.
GENERAL MOTORS

CAR/YEAR	ENGINE	S-W No.
BUICK		
1960-62	ALL	364-AH
1963-64	ALL	364-L
1965-66	400,401,425	364-L
1965-66	225,300,340	364-M
1967-70	ALL	364-AJ

CAR/YEAR	ENGINE	S-W No.
SPECIAL		
1961-62	ALL	364-AH
1963	V-8	364-L
1963	V-6	364-M
1964	ALL	364-M
1965-70	ALL	364-AJ

CAR/YEAR	ENGINE	S-W No.
CADILLAC		
1957-62	ALL	364-AJ
1963-70	ALL	364-AK

CAR/YEAR	ENGINE	S-W No.
CAMARO		
1967-70	W/Warning Light	364-AH

CAR/YEAR	ENGINE	S-W No.
CHEVELLE CHEVY II		
1962-70	W/Warning Light	364-AH

CAR/YEAR	ENGINE	S-W No.
CHEVROLET		
1958-63	348,409	364-M
1966-70	ALL	364-AH

CAR/YEAR	ENGINE	S-W No.
CORVAIR		
1960	ALL	364-AH
1961-66	ALL	364-L

CAR/YEAR	ENGINE	S-W No.
CORVETTE		
1956-70	W/Warning Light	364-AH

CAR/YEAR ENGINE S-W No.
GENERAL MOTORS (Cont'd.)

CAR/YEAR	ENGINE	S-W No.
OLDSMOBILE		
1956-63	ALL	364-L
1964	394	364-L
1964	V-6	364-M
1964	V-8	364-AH
1965-70	ALL	364-AH

CAR/YEAR	ENGINE	S-W No.
PONTIAC		
1959-60	ALL	364-AH
1961-70	W/Warning Light	364-L

FORD MOTOR COMPANY

CAR/YEAR	ENGINE	S-W No.
FORD & FAIRLANE		
1954-70	ALL	364-M

CAR/YEAR	ENGINE	S-W No.
MUSTANG		
1965-70	ALL	364-M

CAR/YEAR	ENGINE	S-W No.
MERCURY & COMET		
1957-70	W/Warning Light	364-M

CAR/YEAR	ENGINE	S-W No.
LINCOLN CONTINENTAL		
1956-62	ALL	364-M
1966-70	ALL	364-M

CAR/YEAR	ENGINE	S-W No.
THUNDERBIRD		
1955-70	ALL	364-M

CHRYSLER CORPORATION

CAR/YEAR	ENGINE	S-W No.
CHRYSLER		
1957-58	ALL	364-T
1964-70	ALL	364-T

CAR/YEAR ENGINE S-W No.
CHRYSLER CORPORATION (Cont'd.)

CAR/YEAR	ENGINE	S-W No.
DODGE		
1957-58	ALL	364-T
1961-63	V-8	364-T
1965	ALL	364-T
1965-70	6 cyl.	364-AL
1966-70	8 cyl. W/Warning Light	364-T

CAR/YEAR	ENGINE	S-W No.
DODGE DART & LANCER		
1960-61	ALL	364-T
1962	8 cyl.	364-T
1962-63	6 cyl.	364-AL
1964-65	6 cyl.	364-T
1966-70	6 cyl.	364-AL
1966-70	8 cyl.	364-T

CAR/YEAR	ENGINE	S-W No.
PLYMOUTH-VALIANT-BARRACUDA		
1957-61	ALL	364-T
1962-63	8 cyl.	364-T
1962-63	6 cyl.	364-AL
1964-65	ALL	364-T
1966-70	6 cyl.	364-AL
1966-70	8 cyl. W/Warning Light	364-T

AMERICAN MOTORS

CAR/YEAR	ENGINE	S-W No.
RAMBLER		
1956-70	W/Warning Light	364-L

WILLYS

CAR/YEAR	ENGINE	S-W No.
WILLYS		
1958-63	ALL	364-L
1965-70	ALL	364-L

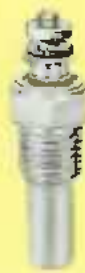
TEMPERATURE SENDERS AND SWITCHES

by make, year and car engine

SYMBOL OF
SW
EXCELLENCE



362-CL



362-BH



362-BY



363-AF



363-AD



363-AA

REPLACEMENT TEMPERATURE SENDERS FOR GAUGES—Series 362 REPLACEMENT TEMPERATURE SWITCHES FOR LIGHTS—Series 363

CAR/YEAR	ENGINE	S-W No.
GENERAL MOTORS		
BUICK		
1960-70	400,430	363-AD
1964-70	225,300,340 (Riviera)	363-AA
1965-70		362-BY
CADILLAC		
1956-64	ALL	362-DH
1965-70	ALL	362-BY
CAMARO		
1967-70	W/Gauge	362-BY
CHEVELLE & CHEVY II		
1962-66	ALL	363-AH
1963-70	W/Gauge	362-BY
CHEVROLET		
1957-61	ALL	362-BY
1962-65	ALL	363-AD
1966-70	W/Gauge	362-BY
1966-70	ALL	363-AS
CORVETTE		
1962-64	ALL	363-AD
1962-70	W/Gauge	362-BY
OLDSMOBILE		
1956-58	ALL	363-AD
1959-62	ALL	363-AF
1963-65	ALL	363-AD
1966	ALL	363-AA
1967-70	ALL	363-AD
F-85		
1961-64	ALL	363-AE
1965	ALL	363-AD
1966-70	ALL	363-AA

CAR/YEAR	ENGINE	S-W No.
GENERAL MOTORS (Cont'd.)		
TORONADO		
1966	ALL	363-AD
1967-70	W/Gauge	362-BY
PONTIAC		
1959-70	ALL	363-AD
FORD MOTOR COMPANY		
FALCON		
1960-63	ALL	362-BH
1964	ALL	362-CL
1965-69	ALL	362-BK
FORD, FAIRLANE		
1957-63	ALL	362-BH
1963-65	3/4" W/Gauge	362-CL
1966-68	Warning Light	363-AT
1966-69	3/4" W/Gauge	362-BK
LINCOLN CONTINENTAL		
1957-63	ALL	362-BH
1963-65	ALL	362-CL
1966-69	ALL	363-AT
MERCURY		
1957-63	ALL	362-BH
1963-64	ALL	362-CL
1965-66	ALL	362-BK
1967-69	ALL	363-AT
MERCURY COUGAR		
1967-69	ALL	362-BK
MUSTANG		
1965	ALL	362-CL
1966-69	ALL	362-BK
BRONCO		
1965-69	ALL	362-BK

CAR/YEAR	ENGINE	S-W No.
FORD MOTOR CO. (Cont'd.)		
THUNDERBIRD		
1957-63	ALL	362-BH
1963-64	ALL	362-CL
1965-69	ALL	362-BK
CHRYSLER CORPORATION		
CHRYSLER & IMPERIAL		
1955-59	ALL	362-AD
1960	ALL	362-AP
1961-63	ALL	362-BH
1964-66	W/Gauge	362-CL
1964-66	W/Air	362-DI
1965-70	Warning Light	363-AS
DODGE (Dart, Lancer, DeSoto)		
1955-59	ALL	362-AD
1960	ALL	362-AP
1961-63	ALL	362-BH
1964-66	W/Air All 6 Cyl.	362-DI
1964-66	W/Air All 8 Cyl.	362-CL
1965-70	Warning Light	363-AS
1967-70	W/Gauge	362-CL
PLYMOUTH (Valiant, Barracuda)		
1955-59	ALL	362-AD
1960-63	ALL	362-BH
1964-66	W/OAC	362-CL
1964-66	W/AC	362-DI
1967-70	ALL W/Gauge	362-CL
AMERICAN MOTORS		
RAMBLER		
1957-62	ALL	362-BH
1965-65	6 Cyl.	362-CL
1967-70	ALL	362-CL

SPEEDOMETERS



Look in one of today's high performance cars—or look in a "classic" from 1907—and you'll see that drivers and manufacturers have preferred Stewart-Warner speedometers for over 60 years. Why? Because Stewart-Warner can provide a face

dial scale up to 160 M.P.H. for high performance driving . . . or non-reflective instruments for replacement of O.E.M. originals on trucks and buses . . . or highly styled units for customizers . . . even "specials" like police speedometers.

SPEEDOMETERS

SYMBOL OF
SW
EXCELLENCE



MODEL NO. 550-BP
BLACK AND WHITE DIAL



MODEL NO. 550-BR
CUSTOM DIAL



MODEL NO. 550-BS
BLACK AND WHITE DIAL

STANDARD SPEEDOMETERS

These speedometers meet or surpass specifications as established by original equipment manufacturers. All units are especially damped with silicone to prevent excessive pointer oscillation under extreme vibration and severe shock. The heavy-duty magnetic mechanism will give accurate readings and long life under all operating conditions.

The styling of Model No. 550-BP and Model No. 550-BR matches 900 Series electronic tachometers and offers the car enthusiast the ultimate in customized appearance.

Model No. 550-BS is the perfect replacement speedometer for heavy-duty trucks when repair or replacement is necessary. This unit features a non reflective satin chrome bezel and million mile odometer, designed to match the existing truck instrumentation.

GENERAL SPECIFICATIONS

All speedometers have rust-resistant 3 1/4" dia. steel cases. Shaft connection is 3/8"-18 UNF external thread.

MODEL NO. 550-BP: Bright Chrome Bezel; Black face dial, white numerals, fire-orange pointer.

MODEL NO. 550-BR: Bright Chrome Bezel; Custom face dial, fire-orange pointer.

MODEL NO. 550-BS: Satin Chrome Bezel; Black face dial, white numerals; white pointer.

SPEEDOMETER ACCESSORIES

DRIVE JOINTS (for use on transmission)



MODEL 666



MODEL 777

Model	Transmission End	Shaft End
666-B, H & R	.193 Tip	.213 Slotted Hole
666-F	.104 Sq. Tip	.105 Square Hole
666-X	.187 Tip	.191 Slotted Hole
777-B, H	.203 Tip	.213 Slotted Hole
777-D	.152 Tip	.161 Slotted Hole
777-F	.104 Sq. Tip	.105 Square Hole
777-L & X	.187 Tip	.191 Slotted Hole
777-P	.203 Tip	.105 Square Hole

ADAPTERS

DUAL ADAPTER

No. 778-T: Screws on back of speedometer or tach to permit connection of an accessory instrument, such as a Taxi Meter, Police Speedometer, Survey Speedometer or Recording Bitometer, and enables one flexible shaft to operate two instruments. Rugged, die cast housing and hardened steel gears assure long, dependable service.



No. 778-T

RIGHT ANGLE ADAPTERS

Attaches to connection on back of speedometer to change direction of shaft connection or direction of rotation.

No. 407010 -1:1 Ratio -Direct Drive

No. 411335 -1:1 Ratio -Reverse Drive

FLEXIBLE SHAFTS

Drive shaft for No. 550 Series Speedometers should be of proper length and have 3/8"-18 internal thread connection for the speedometer and 1/8"-18 internal thread connection for the transmission end. When a No. 550 Series Speedometer replaces a No. 585 or No. 771, and the old flexible shaft is to be retained, a No. 778-G adapter must be added to the speedometer connection.

SPECIAL PURPOSE SPEEDOMETERS



**MODEL NO. 540-D
POLICE SPECIAL
SPEEDOMETER**



**MODEL NO. 585-D
SURVEY
SPEEDOMETER**



**MODEL NO. 702-D
RECORDING
BITUMETER**

POLICE SPECIAL SPEEDOMETER

Model No. 540-D..... Speed range 0-120 MPH
Model No. 540-X..... Speed range 0-150 MPH

Made especially for police use. Has extra large, easy-to-read face dial with a "touch button," exclusive with Stewart-Warner, that enables officer to lock the speedometer pointer at any attained speed. Shows positive proof of speeding. Pointer stays locked in position until release button is pressed. Has 4" dia face dial with black background, white numerals, red pointer. Both season and trip odometers. Straightout shaft connection with $\frac{3}{8}$ "-18 external thread and .105 square hole. Improved non-glare indirect lighting with shield to prevent reflection in windshield. Light socket and wire, and 12V bulb included.

SURVEY SPEEDOMETER MODEL NO. 585-D

For measuring speed and distance where great accuracy is required. Used by power companies to space poles, equipment depots, etc., by car-testing laboratories for checking accuracy of car speedometers and to measure gas mileage; by sports car officials for laying out rally courses. Four inch face dial has black background, white numerals and pointer. Chrome bezel. Indicates speeds up to 90 MPH in tenths. Shaft connection is straight-out

with $\frac{3}{8}$ " 20 internal thread. When used in place of original speedometer, use flexible shaft of proper length with $\frac{3}{8}$ "-20 external thread at upper end and lower end same as original shaft.

RECORDING BITUMETER MODEL NO. 702-D

For accurate, economical road re-surfacing and oiling. Measures vehicle speed in FEET per minute. Enables operator to coordinate vehicle speed with flow of oil or bitumen to get exact coverage required. Face dial is black, $4\frac{1}{2}$ " dia., with white numerals. Has adjustable, static orange pointer which is set at desired speed. White pointer shows vehicle speed. Two odometers and tabulator show distance traveled to within fraction of a foot. Installation requires Fifth Wheel Drive. Right Angle shaft connection with $\frac{3}{8}$ " 20 internal thread with .105" square hole. Drive consists of the following:

- 1—Fifth Wheel Drive Assembly with 16" dia wheel.
(Purchase from: E. D. Etnyre, Oregon, Illinois.)
- 1—No. 660-A Drive Joint. Use 4.125 ratio for Recording Bitumeter, .790 ratio for Survey Speedometer.
- 1—95000 Flexible Shaft. Specify length.

NOTE: When fifth wheel drive is in use, speed of vehicle must not exceed 1700 feet per minute. (Approximately 19 M.P.H.)

SPEEDOMETER FOR LOW-SPEED WHEELED VEHICLES

This speedometer is designed for use on tractors, crop sprayers and other wheeled vehicles that travel at speeds below ten miles per hour. Easy to install on any vehicle. Speedometer is driven from center of tire tread and gives true record of speed and distance traveled—regardless of terrain, condition of soil, engine RPM or transmission gear ratios. Pays for itself many times over by reducing waste both in the application of costly chemical sprays and fertilizers and in the harvesting of crops. Kit includes everything needed for most installations.



KIT NO. 366-AU



KIT NO. 366-AU INCLUDES

One Speedometer Head (No. 563-AB), Flexible Shaft 108" long (No. 95350), Mounting and Drive Equipment, and Installation Instructions (SER-SW 4057). For other part numbers see SER-SW 366-AU.

TRUCK INSTRUMENTS



Keep 'em on the run—avoid costly downtime! It takes only a little warning to head off an expensive breakdown. Stewart-Warner offers a precision instrument to monitor every vital system on a truck—heavy-duty tachometers,

speedometers and pressure, temperature, vacuum and fuel level gauges, ammeters, hour meters and more. So, if your fleets operate on city streets or modern expressways, give them the least expensive form of fleet insurance money can buy.



MODEL NO. 550-BS
SPEEDOMETER



MODEL NO. 551-SE
TACHOMETER



MODEL NO. 551-SF
TACHOMETER

SPEEDOMETERS AND TACHOMETERS

GENERAL SPECIFICATIONS

These instruments meet or surpass specifications as established by heavy duty truck manufacturers. They can be quickly installed when repair or replacement of the original speedometer or tachometer is required. All units are especially damped with silicone to prevent acute pointer oscillation under extreme vibration and severe shock. The heavy-duty magnetic mechanism will give accurate readings and long life under all operating conditions. Satin chrome bezels are non-reflective to reduce glare. Cases are rust-resistant steel, 3 3/4" dia., 3/4"-18 shaft connection with .105" square hole. For light ng use lighting Kit No. 366-FK.

SPEEDOMETERS

Speedometer Model No. 550-BS has 0-80 MPH dial scale and odometer that registers total mileage to 1,000,000 miles before repeating. Black and White face dial. White pointer.

TACHOMETERS

Tachometers have 0-3500 RPM dial scales, and are available in 1:1 or 2:1 calibrated models, with or without odometers that show total engine revolutions. Black and White face dials. White pointers.

CALIBRATION	W/O ODOMETER	W/ODOMETER
2:1	551-SE	551-SF
1:1	551-WB	551-WC



MODEL NO. 960-BD
TACHOMETER



MODEL NO. 812831
TACHOMETER



MODEL NO. 811531
TACHOMETER

ELECTRIC AND DIESEL TACHOMETERS

MODEL 960 TACHOMETERS

Model 960 Series one piece electronic tachometers are designed for 6 and 8 cylinder, 4 cycle gasoline engines with standard 12 volt negative ground ignition systems. The "960" is fully transistorized and features Zener Circuitry that eliminates all batteries and relays. NO SENDER IS REQUIRED. Its case is rust-resistant steel, 3 3/4" in diameter. Black and White face dials have white pointer. Light kit included. For top of dash or steering-post mounting use Mounting Kit No. 366-MS.

DIESEL TACHOMETERS

These tachometers are designed for use with diesels or any engine equipped with built-in tachometer take-off. The sender generates electrical impulses that actuate the meter. Battery current is required only for lighting the meter. The sender has 3/8"-18 internal thread with .187" Drive Tip, and may be attached directly to engine take-off. For information on Drive Tips, Radio Cartridges, Extension Sleeves see page 18 in Tachometer section.

Dial Range	Cylinders	Model No.
0-5000	6	960-BD
0-5000	8	960-BE

Dial Range	Part No.
0-3000 RPM	811531
0-5000 RPM	812831



SENDER NO. 811531



PRESSURE



TEMPERATURE



VACUUM



FUEL LEVEL



AMMETER



VOLTMETER

GENERAL SPECIFICATIONS

These heavy-duty gauges indicate proper engine operating conditions. They are highly resistant to shock, vibration, and temperature extremes, assuring the greatest possible recording accuracy. Mechanical gauges are equipped with center-gear burden tube mechanisms. Electric gauges have electromagnetic mechanisms. All gauges feature non-reflecting Satin Chrome bezels, dust-proof steel cases, and 2-1/16" dia. black face dials with white numbers and white pointers. Include chimneys for lighting (Use Lighting Kit No. 366-FK).

Unless otherwise specified mechanical gauges are equipped with 7/16"-20 UNF external connections.

PRESSURE GAUGES

Dial Range	Part No.
0-100 lbs. Oil	360-HM
0-100 lbs. Oil	306-DB 12V (Sender No. 353-S)
*0-100 lbs. Oil	360-JW
0-150 lbs. Air	360-HL
*0-150 lbs. Air	368-P 3 3/8" dia. case-bright bezel)
*0-150 lbs. Air	360-JY

VACUUM GAUGES

Dial Range	Part No.
0-30" Hg	355-BL
*0-30" Hg	355-BT

TEMPERATURE GAUGES

Dial Range	Part No.
100°-240° Water	311-HF 12V (Sender No. 362-AH)
100°-250° Water	361-CA
100°-325° Oil	311-HC 12V (Sender No. 362-AA)

AMMETERS—VOLTMETERS

Dial Range	Part No.
60 0-60 Amps.	359-EP
100 0-100 Amps.	369-AW
10-16 Volts	375-AK

FUEL LEVEL GAUGE

Dial Range	Part No.
E-F	301-CL 12V

(See page 14 for Senders.)

*These models are equipped with 1/4" NPTF external connections.



**MODEL 105-H
ELECTRIC SPEEDOMETER**



**MODEL 106-AW
SENDER**

ELECTRIC SPEEDOMETER

This highly accurate, electrically operated Speedometer has been designed for use on all trucks and busses, and meets or exceeds the specifications established by original equipment manufacturers. Speedometer units are calibrated the same as mechanical speeds and are especially damped with silicone to prevent excessive pointer oscillation under extreme vibration and shock. The rugged, heavy duty mechanism will give accurate readings and long life under all operating conditions. Installation does not require flexible shaft drive equipment—the Speedometer is operated by a 106-AW Sender, which simply attaches directly to the transmission.

Speedometer features a "million mile" odometer, and is equipped with a non-glare flat black face dial with white numerals and

pointer, mounted in a zinc plated, rust-resistant, steel case with Satin-Chrome bezel, 3 3/8 inch diameter case. Includes integral indirect lighting kit with terminals, socket, and 12-Volt light bulb for easy readability under all light conditions.

DIAL RANGE	SPEEDOMETER NO.
0-100 MPH	105-H

Note: Please order Sender No. 106-AW and required Drive Tip separately.

MODEL 106-AW SENDER

This easily installed sender transmits electrical impulses for proper operation of Model 105-H Speedometer. Attaches to transmission in place of flexible shaft and may be mounted in any position, and for either clockwise or counter-clockwise direction of rotation. It is capable of withstanding extreme vibration, and is temperature compensated to assure proper operation under all outdoor conditions. Includes complete installation instructions.

NOTE: Please order required Drive Tip separately. Select from chart at right.

DRIVE TIPS

TIP SIZE	PART NO.	TIP SIZE	PART NO.
.104" sq.	821870	.152" tang	821874
.150" sq.	821871	.187" tang	821875
.1834" sq.	821872	.203" tang	821876
.193" sq.	821873		

FUEL PUMPS



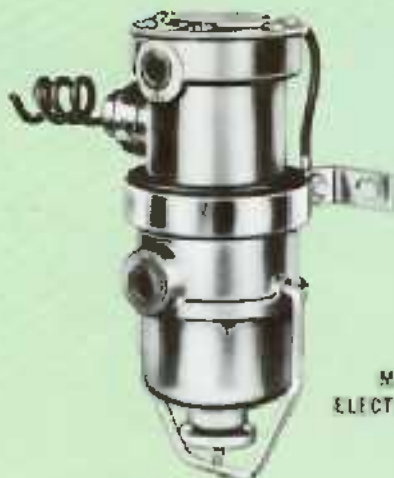
Stewart-Warner Fuel Pumps run around in a pretty fast crowd! Selected above all others and installed on competition cars at Le Mans, at Sebring, and at Daytona. Undeniable proof of

top performance. The same Stewart-Warner Electric Fuel Pump assures quick starts and avoids fuel starvation on passenger cars, over-the-road trucks and industrial engines.

ELECTRIC FUEL PUMPS



**MODEL 240-A
ELECTRIC FUEL PUMP**



**MODEL 240-D
ELECTRIC FUEL PUMP**

MODEL 240-A ELECTRIC FUEL PUMP

For all Gasoline Engines

- 1. ASSURES QUICK STARTS.** Pump delivers gas the instant ignition switch is turned on.
- 2. ELIMINATES STARVING.** Delivers up to 60 GPH free flow, more than enough for the most powerful auto engines at top speed.
- 3. ELIMINATES FLOODING.** Adjustable pressure regulator (up to 8 PSI at the pump) can be adjusted to keep carburetor full without flooding.
- 4. ELIMINATES SURGING.** Surge chamber in pump evens out gas flow — lessens wear on needle and seat.

MODEL 240-A is a powerful piston-type electric fuel pump designed for modern, high performance engines. The maximum pressure of which the pump is capable is 8 P.S.I. at the outlet port, but its built-in adjustable pressure regulator permits a pressure setting at any desired level up to the maximum. It has a delivery capacity of up to 60 gallons per hour, free flow, and it will take care of the requirements of any of today's high performance engines at full speed. It also has a built-in fuel filter. Other filters, pressure regulators or surge eliminators are not needed in the line when the Model 240-A is used.

SPECIFICATIONS

Model: No. 240-A (Specify 6V or 12V). **Gas line connections:** 1/2" internal P.T. **Mounting Bolts:** 5/16" cap screws on 2 3/8" centers. **Factory pressure setting:** 3 1/2—4 P.S.I. adjustable 1—8 P.S.I. (at the pump). **Voltage range:** 10—15.2 volts (12 volt). **Current draw:** will not exceed 8 amps for 6 volt; 4 amps for 12 volt. **Delivery capacity:** pump delivers 33 G.P.H. under factory test conditions; 60 G.P.H. free flow. **Shipping weight:** approximately 5 pounds.

MODEL 240-C ELECTRIC FUEL PUMP

Model 240-C Electric Fuel Pump is identical to Model 240-A, except it is designed for operation on 24-volt current supply. Specifications for both models are the same.

MODEL 240-D ELECTRIC FUEL PUMP

Model 240-D Electric Fuel Pump is designed for use in installations in which the electric pump is used as a "standby" or "booster" and is installed in the fuel line between gas tank and mechanical pump. It is the same as the 240-A except that the 240-D does not have the adjustable pressure regulator and it has a pressure rating of 5—6 P.S.I. (at the pump).

RECOMMENDED APPLICATIONS

Horsepower	Displacement	Model
Up to: 350	Up to: 550 cu. in.	240-A
500	800 cu. in.	240-A (2)
650	1000 cu. in.	240-A (3)

HOBBS NO. 4012 SAFETY SWITCH

This is a single-pole, double-throw pressure switch that can be wired into the electrical system so as to shut off the electric fuel pump when engine oil pressure drops below 4 P.S.I. In effect, this means that the pump would be shut off if the engine stopped running for any reason, even though the ignition switch remained on.

HOUR METERS



How long has it run? For off-the-road vehicles, aircraft and all kinds of powered equipment, there's no way of knowing—except by accurate measurement of engine hours and minutes of operation. That's why a Hobbs Hour Meter provides the best

answer. You get a measure of vehicle or machine output. Just as important, you can keep protective maintenance on schedule! Let Hobbs tell you the exact running time—the real key to measure of performance and protection against downtime!

HOUR METERS



MODEL M15000



MODEL M15001



MODEL M15002



MODEL M15006

HOBBS MINIMETERS

These extremely accurate Minimeters are electrically powered, escapement controlled DC hour meters for recording operating time to provide a positive basis for regular maintenance of equipment. The outstanding accuracy of these units ($\pm 1\%$ under all operating conditions) is achieved through the use of a jewelled movement, shockproof odometer, and permanently lubricated parts.

Each unit is factory tested and run-in for 40 hours, including complete cycling, to assure consistent accuracy of calibration and dependable operation. Average "rundown" time is only 5 seconds, yielding greater accuracy and eliminating the need for extra-cost "brake" mechanisms. These Minimeters can be used as replacements for any screw, stirrup, or aircraft

mounted DC hour meters. Designed to meet or exceed all requirements of Military Spec. MIL-L-3971B.

These units are dirt and moisture sealed, and operate efficiently at temperatures ranging from -65° to $+160^{\circ}$ F. Non-reflecting dials are finished in flat black for easy readability. Odometer numbers are black and white, recording hours in one-tenth increments. Minimeters operate on any power source ranging from 4 - 40V DC.

MOUNTING	PART NO.	MOUNTING	PART NO.
3-Screw	M15001	Aircraft	*M15006
2-Screw	M15000	Aircraft	†M15007
Stirrup	M15002		

*Reads Total Hours.

†Reads Flight Hours.

HOBBS SOLID-STATE DIOCHRONS

These solid-state Diochron hour meters are designed to record the hours of operation of gas, diesel, or battery powered equipment. Key components are potted for high "G" shock protection, to assure smooth operation under vibration. Solid-state timing circuit features instantaneous start and stop. The electronic operating mechanism is housed in a high-impact, durable case sealed against dirt and moisture. These Diochrons are accurate within $\pm 1\%$ at room temperatures, and operate efficiently at temperatures ranging from -40° to $+160^{\circ}$ F.

Easy-to-read black face dials, with automatic recycling odometers, record up to 10,000 hours at one-tenth hour increments. Available in 12 Volt and 24-Volt DC models, for either screw or stirrup type mounting.



MODEL M16000



MODEL M16001

VOLTAGE	MOUNTING	PART NO.
12V-DC	3-Screw	M16000
12V-DC	Stirrup	M16001
24V-DC	3-Screw	M16002
24V-DC	Stirrup	M16003



MODEL NO. M-5600
DC METER
SCREW MOUNT



MODEL NO. M-5601
DC METER
STIRRUP MOUNT



MODEL NO. M-5628
DC MARINE METER
STIRRUP MOUNT

HOBBS HOUR METERS

Hobbs Hour Meters are designed to record the hours of operation of engines, electric motors, vehicles, aircraft, boats, machine tools, or any equipment whose hours of operation are important to know for maintenance or rental. There are meters for use with direct current (DC) sources in voltage ranges from 4V to 40V

DIRECT CURRENT METERS

Direct current meters have sealed, water and dust proof lexon cases with screw mounting or with stirrup clamps. Cases measure 2" from back of bezel to end of case (plus terminals and studs) and require 2.19" dia. hole for mounting. Stirrup-mount meters have bright chrome bezels. Screw-mount meters have black bezels. Mechanisms have jeweled governors, heavy-duty bearings, shock-proof odometers, large contact points and high voltage

and with alternating current (AC). Direct current meters are used on trucks, tractors, boats, airplanes, lift trucks, stationary engines, etc. Alternating current meters are used on machine tools, elevators, generating equipment, business machines, etc. There is a Hobbs Hour Meter for most applications.

insulation. Face dials are soft black. Odometer numbers are black on white. Meters record hours of use by tenths and read to 9999.9 hours. Repeat automatically. One model covers all voltages from 4 to 40V DC. Marine meters are of same construction as standard direct current meters but they have stirrup mounting only and custom face dials. These hour meters meet all requirements of Military Spec. MIL-M-39718.

SPECIFICATIONS AND PART NUMBERS

Normal Voltage	Voltage Range	Part No. Screw Mount	Part No. Stirrup Mount	Part No. Marine
6-12-24-36	4-40	M-5600	M-5601	M-5628

HOUR METER ACCESSORIES



Mounting Brackets

For mounting Hour Meters in any location when panel installation is not practical. Multiple holes allow positioning for easy reading. Foot of bracket can be bent when necessary.
M-329 (2 1/4" x 4") for meter only.
M-558 (4" x 5 1/2") use when meter and dampener are used together.



Panel Mounting Bracket

Designed to bolt to a flat surface area 2 1/8" x 5/4". Provides easy-to-read meter position.
M-486 for screw type D.C. meter only.



Dampener

Use where needed to protect meter from severe vibration. Can be used on panel or with M-558 bracket.
M-3888 (3 1/2" dia.) for screw type D.C. meters.
M-2165 (3 3/8" dia.) for 2 1/2" A.C. meters.

HOUR METERS AND SWITCHES



MODEL NO. M-5611
DC AIRCRAFT METER
SCREW MOUNT



MODEL NO. M-1806
AC INDUSTRIAL METER
SCREW MOUNT

AIRCRAFT METERS

Hobbs Aircraft Meters have black lexon cases with black bezels. Face dial is soft black. Odometer has black numerals on white background. Case measures 2.25" from back of bezel to end of case (including terminals). Requires 2.19" dia. hole for mounting. Special mounting bracket (2.50" square) and black screws are provided for installation into instrument panel. These meters have Brake Mechanisms for instant stop and start to insure highest degree of accuracy. Interchangeable with all previous models of Hobbs aircraft and flight meters. Dial lettering reads "Total Hours" or "Flight Hours."

SPECIFICATIONS AND PART NUMBERS

NOMINAL VOLTAGE	VOLTAGE RANGE	PART NUMBERS	
		TOTAL HOURS	FLIGHT HOURS
6-12	4-15	M-5611	M-5613
24-36	15-40	M-5612	M-5614

ALTERNATING CURRENT METERS

Alternating Current Meters have sealed, water and dust proof lexon cases, for screw mounting only. Case measures 2.94" from back of bezel to end of terminals and requires 2.19" dia. hole for mounting. Bezel is black and may be had in either 2 1/2" or 3 1/2" dia. Mechanism is heavy-duty synchronous motor, UL approved. Face is soft black. Odometer numbers are black on white. Meters record hours in tenths and read to 99999.9 hours. These meters meet government specifications for 2 1/2" and 3 1/2" instruments. Standard meters are available in 120V and 240V, 60 cycle models. Other voltages and cycles supplied on special order.

SPECIFICATIONS AND PART NUMBERS

VOLTAGE	CYCLES	PART NO.	PART NO.
		2.69" BEZEL	3.50" BEZEL
120V AC	60	M-1906	M-1932
240V AC	60	M-1909	M-1935

HOBBS—PRESSURE AND VACUUM SWITCHES

Hobbs Switches are designed to actuate an Hour Meter, warning light, buzzer or engine cut-off when oil or air pressures drop below or exceed safe levels. Switches are made in three models: Single-circuit, one terminal grounded internally. Single-circuit, two terminals, both insulated; Dual circuit, three terminals, one normally open (NO), one normally closed (NC), one common. All switches have silver-alloy contacts and are enclosed in plastic

coated, weather-proofed cases with 1/8" external P.T. connections. Capacities range up to 150 PSI. Activating pressure is set and sealed at the factory. Nominal ratings are 6V-DC, 15 amps; 12V-DC, 8 amps; 24V-DC, 4 amps. Switches with other than standard contact settings or for special purposes are available on special order.



Single circuit 1 terminal
Grounded internally



Single circuit 2 terminals
insulated



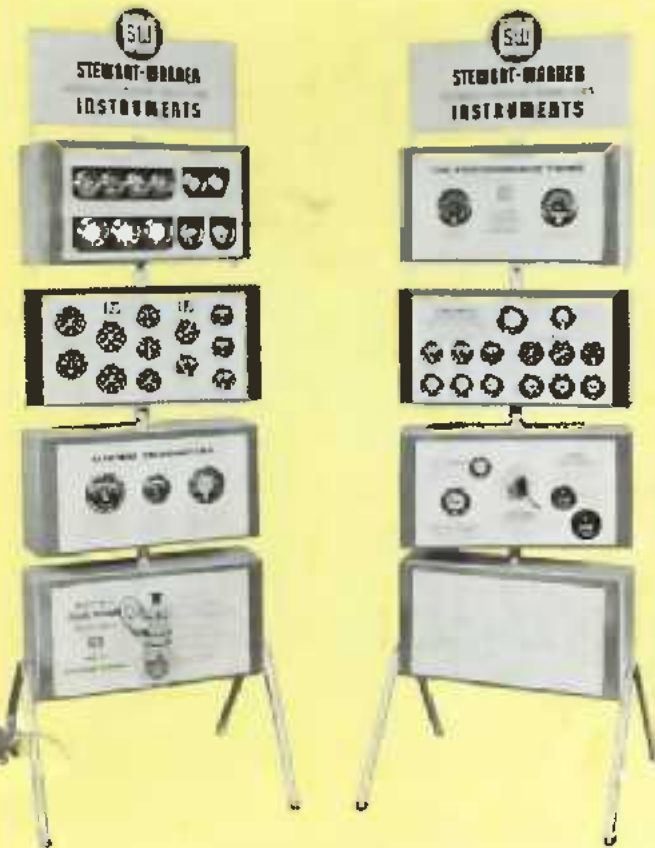
Dual circuit 2 terminals
1-NC, 1-NO, 1 common

SPECIFICATIONS AND PART NUMBERS—LOW-PRESSURE SWITCHES

Standard Pressure Setting	Pressure Range	Single Circuit 1 Terminal		Single Circuit 2 Terminals		Dual Circuit 3 Terminals NO & NC
		Normally Open	Normally Closed	Normally Open	Normally Closed	
4 PSI	1-7 PSI	M-4000	M-4001	M-4006	M-4007	M-4012
15 PSI	7-30 PSI	M-4002	M-4003	M-4008	M-4009	M-4013
60 PSI	30-150 PSI	M-4004	M-4005	M-4010	M-4011	M-4014

VACUUM SWITCHES

4" HG	2 to 6" HG	M-4070	M-4071	M-4076	M-4077
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Stockholder floor display

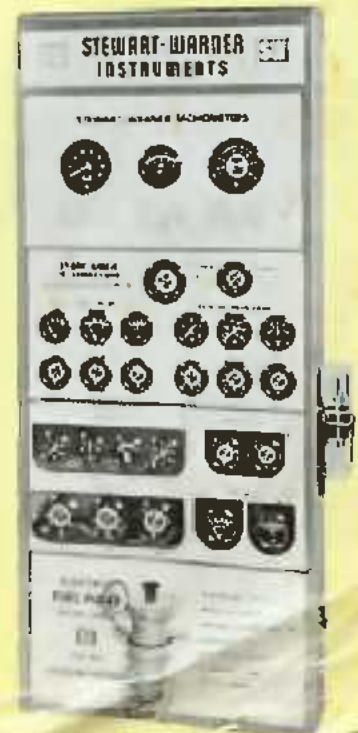
NO. 366-DG-7. The most effective silent salesman on the jobber's floor! The Stockholder Display consists of four double-faced box sections that revolve around a center post of 1" galvanized iron pipe. The box sections are enameled a brilliant red. Banner sign is double-faced, finished in bright yellow enamel with red, white and black lettering—display panels are yellow with black letters. Legs are plated steel tubing with ball feet.

Consists of (1) No. 18-60 Stockholder Frame, and component display kits which include factory installed instruments. For full component and part number listing, refer to Catalog 1300.

wall display

NO. 366-NF-1. This eye catching Wall Display attracts and stimulates customer interest in S-W instruments while freeing floor space for other uses. Prominently shows a wide variety of instruments, for both passenger cars and trucks, against contrasting back panels. The sturdy metal display rack has factory-punched holes on back for easy mounting—no special hooks or fittings are required. Heavy gauge steel frame is enameled in bright Stewart-Warner red; display panels are yellow with black lettering.

Consists of one (1) No. 18-75 Wall Display Frame, and component display kits which include factory installed instruments. For full component listing, refer to Catalog 1300.





STEWART-WARNER **SW**
INSTRUMENT DIVISION

1840 DIVERSEY PARKWAY, CHICAGO, ILLINOIS 60614

