

- Tectran speedometers are robust and reliable in heavy duty equipment environments. Electronic models such as the micro-processor units with two-speed axle switching utilize the latest in design technology
- High quality mechanical and programmable speedometers, sensors and generators are also offered.
- Our line of speedometers fit the broadest application range with a minimum of part numbers.



Speedometers & Tachometers



Contents

- Mechanical Speedometers
- Programmable Speedometers
- Magnetic Sensors & Signal Generators
- Mechanical Tachometers
- Speedometer & Tachometer Cable Parts
- Interconnect Harnesses
- Programmable Tachometers
- Electronic Tachometers
- Alternator Tachometers
- Ignition Tachometers
- Hand Held Tachometer
- Specialty Devices
- Product Specifications





95-0400 Speedometer 4 5/8", english/metric scale, black bezel



95-0402 Speedometer 5", 80 mph scale, black bezel



95-0404 Speedometer 3 3/8", 120 mph scale, chrome bezel



95-0408 Speedometer 3 3/8", 120 mph scale, chrome bezel, with trip odometer



95-0410 Speedometer 3 3/8", english/metric, black bezel



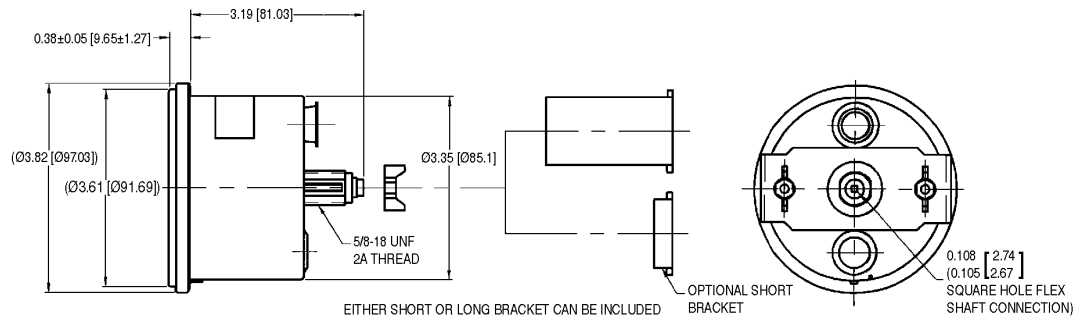
95-0413 Speedometer 3 3/8", 80 mph scale, black bezel

Mechanical Speedometers

These gauges are driven mechanically by a speedometer cable. They are calibrated for use in applications generating 1,000 cable revolutions per mile (except metric units) with a standard 0.104" square tip and 5/8"-18 cable nut. Features:

- All models have million mile odometers with tenths and several have trip odometers.
- The chrome bezel is a true bright chrome which matches older equipment.
- Mounting hardware and light kit is included.
- Optional features (bezels, pointer color, face dials/ranges) are available. Contact the factory.
- Made in the USA.

| PART NUMBER | SIZE | SCALE | ODOMETER | BEZEL | POINTER |
|-------------|--------|---------------|-------------|--------|----------------|
| 95-0402 | 5" | 80 mph | yes | Black | white tip |
| 95-0400 | 4 5/8" | 80mph/130 kph | yes | Black | red-orange tip |
| 95-0409 | 3 3/8" | 120 mph | yes + trip | Black | white tip |
| 95-0408 | 3 3/8" | 120 mph | yes + trip | Chrome | white tip |
| 95-0405 | 3 3/8" | 120 mph | yes | Black | white tip |
| 95-0404 | 3 3/8" | 120 mph | yes | Chrome | white tip |
| 95-0406 | 3 3/8" | 80 mph | yes + trip | Black | white tip |
| 95-0407 | 3 3/8" | 80 mph | yes + trip | Chrome | white tip |
| 95-0423 | 3 3/8" | 80mph/130 kph | yes, metric | Black | white tip |
| 95-0424 | 3 3/8" | 80mph/130 kph | yes, metric | Chrome | white tip |
| 95-0410 | 3 3/8" | 80mph/130 kph | yes | Black | red-orange tip |
| 95-0413 | 3 3/8" | 80 mph | yes | Black | white tip |
| 95-0412 | 3 3/8" | 80 mph | yes | Chrome | white tip |



Typical view of a 3 3/8" mechanical speedometer.

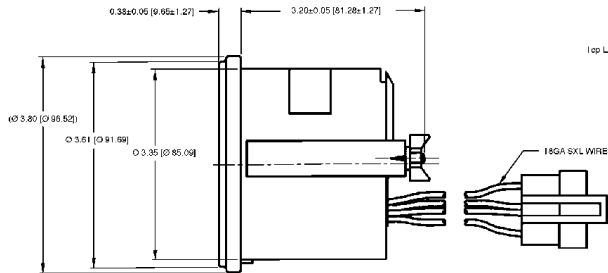
Programmable Speedometers

These speedometers are driven electronically by a signal generated by a pulse generator or magnetic pickup. They function over a broad range of applications by using dip switches for field programmability. For replacement applications, they will accept signals from most sensors or generators in use. For 24 VDC NG applications, a 24 VDC bulb must be purchased separately. See Gauge Lighting section on page 33. Features:

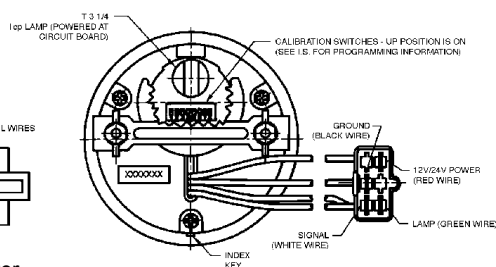
- All odometers are six digit, (million mile) with tenths of a mile.
- Speedometers are available in 3 3/8", 4 5/8" and 5" mounting diameters.
- 3 3/8" units are 12 or 24 VDC NG.
- 4 5/8" and 5" units are 12 VDC NG standard. 24 VDC NG is optional. Specify when ordering.
- Mounting hardware and lighting kit are included.
- Silicon dampened air core movement provides steady readings.
- Non-microprocessor units are available for special applications.
- Optional styling features are also available.
- Resettable odometer can be set to match the mileage on the unit which is being replaced.
- Two speed axle reading switching is automatic on 4 5/8" models and microprocessor units.
- English scale predominant on all dual scale units.
- Contact us for positive ground applications.
- Made in the USA.

Programmable Speedometers (continued from pg. 19)

| PART NUMBER | SIZE | SCALE | ODOMETER | BEZEL | POINTER |
|-------------|--------|-----------------|-----------------|--------|----------------|
| 95-0504 | 5" | 80 mph/130 kph | yes | Black | red-orange tip |
| 95-0502 | 5" | 80 mph | yes | Black | white tip |
| 95-0505 | 4 5/8" | 85 mph/140 kph | yes | Black | red-orange tip |
| 95-0514 | 3 3/8" | 170 mph/274 kph | yes | Black | white tip |
| 95-0513 | 3 3/8" | 170 mph/274 kph | yes | Chrome | white tip |
| 95-0527 | 3 3/8" | 120 mph | yes | Black | white tip |
| 95-0528 | 3 3/8" | 120 mph | yes | Chrome | white tip |
| 95-0501 | 3 3/8" | 140 kph | yes, metric | Black | white tip |
| 95-0500 | 3 3/8" | 140 kph | yes, metric | Black | white tip |
| 95-0511 | 3 3/8" | 80 mph/130 kph | yes | Black | red-orange tip |
| 95-0512 | 3 3/8" | 80 mph/130 kph | yes | Chrome | red-orange tip |
| 95-0523 | 3 3/8" | 80 mph | yes, resettable | Black | white tip |
| 95-0525 | 3 3/8" | 80 mph | yes, resettable | Chrome | white tip |
| 95-0541 | 3 3/8" | 80 mph/130 kph | yes | Black | white tip |
| 95-0522 | 3 3/8" | 80 mph | yes | Black | white tip |
| 95-0524 | 3 3/8" | 80 mph | yes | Chrome | white tip |
| 95-0510 | 3 3/8" | 80 mph/130 kph | yes | Black | red-orange tip |
| 95-0526 | 3 3/8" | 80 mph | yes, resettable | Black | white tip |
| 95-0521 | 3 3/8" | 80 mph | yes, resettable | Chrome | white tip |
| 95-0519 | 3 3/8" | 80 mph | yes | Black | white tip |
| 95-0520 | 3 3/8" | 80 mph | yes | Chrome | white tip |
| 95-0518 | 3 3/8" | 50 mph/80 kph | yes | Black | white tip |
| 95-0516 | 3 3/8" | 30 mph/50 kph | yes | Black | white tip |



Typical view of a 3 3/8" electronic microprocessor speedometer



95-0501 Speedometer 3 3/8", 140 kph scale, black bezel



95-0505 Speedometer 4 5/8", english/metric scale, black bezel



95-0513 Speedometer 3 3/8", english/metric scale, chrome bezel



95-0519 Speedometer 3 3/8", 80 mph scale, black bezel



95-0528 Speedometer 3 3/8", 120 mph scale, chrome bezel

Microprocessor Product Information

A quick comparison of analog and microprocessor gauges:

Analog positives:

- Can be modified for infinite variations.
- Can be adjusted so that two gauges are identical (tachometer only)
- No RF noise generated

Analog negatives:

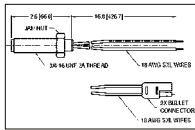
- Slower response.
- Can drift after long exposure at high temperature.
- Must be adjusted.
- Limited in high pulses per mile.
- More susceptible to RF interference.

Microprocessor positives:

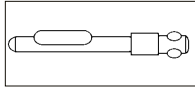
- Very stable temperature.
- Faster response.
- Handles larger range of pulses per mile.
- Very accurate odometer and hour meter information.

Microprocessor negatives:

- Limited in number of variations. A newer technology eliminates this issue.
- Generates RF interference.
- Single source for MPU.
- Limited in lower pulses per mile.



95-0017 Sensor



Male drive tip



Female drive tip



95-0010 Sensor 2.6", with wire leads



95-0031 Sender 7/8"-18, generator



95-0700 Tachometer 5", 0-3000 rpm, black bezel



95-0704 Tachometer 4 5/8", 0-3500 rpm, black bezel



95-0706 Tachometer 3 3/8", 0-3500 rpm, chrome bezel



95-0707 Tachometer 3 3/8", 0-3500 rpm, chrome bezel

Magnetic Sensors & Signal Generators

| MAGNETIC SENSORS | | | SIGNAL GENERATORS (30 PULSES/REV) |
|---|----------------|--------------------|--|
| All mounting threads are 3/4" - 16, except 95-0013, which is 5/8"-18. | | | |
| PART NUMBER | HOUSING LENGTH | CONNECTIONS | 95-0030 |
| 95-0010 | 2.6" | wire leads | Sender, 7/8"-18, feed through. One male and one female drive tip required. |
| 95-0011 | 4.4" | wire leads | |
| 95-0012 | 3.1" | wire leads | 95-0031 |
| 95-0013 | 4.0" | wire leads | |
| 95-0014 | 3.0" | terminals | |
| 95-0015 | 4.8" | terminals | |
| 95-0016 | 3.5" | terminals | Sender, 7/8"-18, generator. One male drive tip required. |
| 95-0017 | 2.6" | plug w/mating conn | |

DRIVE TIP GENERATORS

| MALE | | FEMALE | |
|---------|--------------|---------|-------------------|
| 95-0040 | .152" tang | 95-0048 | .203" tang hole |
| 95-0041 | .187" tang | 95-0049 | .104" square hole |
| 95-0042 | .203" tang | 95-0050 | .152" tang hole |
| 95-0043 | .104" square | 95-0051 | .187" tang hole |
| 95-0044 | .150" square | | |

Tachometers

As with our speedometers, Tectran's tachometer line is designed to withstand adverse environments and is the most comprehensive of any aftermarket supplier. Mechanical, programmable, ignition and alternator tachometers are available. Optional styling features such as bezels, ranges, custom dials and pointer colors are available by contacting the factory. Non-microprocessor units are available for special applications.

Mechanical Tachometers

These tachometers are cable driven and offer the same features as our mechanical speedometers. They are rugged and reliable for new or replacement applications.

| PART NUMBER | SIZE | SCALE | COUNTER | BEZEL | POINTER | RATIO |
|-------------|--------|------------|---------|--------|----------------|---------|
| 95-0700 | 5" | 0-3000 rpm | no | Black | white tip | .5:1 |
| 95-0701 | 5" | 0-3000 rpm | yes | Black | white tip | .5:1 |
| 95-0704 | 4 5/8" | 0-3500 rpm | no | Black | red-orange tip | .5:1 |
| 95-0710 | 3 3/8" | 0-3500 rpm | yes | Black | white tip | .5:1 |
| 95-0707 | 3 3/8" | 0-3500 rpm | yes | Chrome | white tip | .5:1 |
| 95-0705 | 3 3/8" | 0-3500 rpm | no | Black | white tip | .5:1 |
| 95-0706 | 3 3/8" | 0-3500 rpm | no | Chrome | white tip | .5:1 |
| 95-0712 | 3 3/8" | 0-3500 rpm | yes | Black | white tip | 1:1 |
| 95-0709 | 3 3/8" | 0-3500 rpm | yes | Chrome | white tip | 1:1 |
| 95-0711 | 3 3/8" | 0-3500 rpm | no | Black | white tip | 1:1 |
| 95-0708 | 3 3/8" | 0-3500 rpm | no | Chrome | white tip | 1:1 |
| 95-0713 | 3 3/8" | 0-2500 rpm | yes | Chrome | all white | 1:1 |
| 95-0715 | 3 3/8" | 0-2500 rpm | yes | Chrome | all white | 1:1 ccw |
| 95-0717 | 3 3/8" | 0-2500 rpm | yes | Chrome | all white | .5:1 |

Speedometer & Tachometer Cable Parts

Tectran offers a complete selection of tips, ferrules, core and casing for mechanical speedometer and tachometer drives. Commonly ordered items are listed below.

| PART NUMBER | | PART NUMBER | |
|-------------|--|-------------|---|
| 95-0060 | Comp. ferrule for .445 hsg | 95-0083 | Extension tip for .150 core, .203 tang hole |
| 95-0061 | Upper ferrule for .445 hsg, 5/8 nut | 95-0084 | Extension tip for .150 core, .104" sq |
| 95-0062 | Lower ferrule for .445 hsg | 95-0085 | Extension ferrule for .445 hsg |
| 95-0063 | Nut, 7/8/18 | 95-0088 | Lower tip for .130 core, .124" sq |
| 95-0064 | Lower tip for .150 core, .150" sq | 95-0089 | Upper tip for .130 core, .104" sq hole |
| 95-0065 | Short tip for .150 core, .104" sq | 95-0090 | Brass collar |
| 95-0067 | Lower tip for .150 core, .203" tang | 95-0093 | Lower ferrule for .297 housing |
| 95-0068 | Lower tip for .150 core, .187" tang | 95-0096 | Upper ferrule for .330 housing, GM |
| 95-0069 | Lower tip for .150 core, .152" tang | 95-0098 | Upper ferrule for .330 housing |
| 95-0070 | Lower tip for .150 core, .104" sq | 95-0100 | Lower ferrule for .330 housing |
| 95-0071 | Upper tip for .150 core, .104" sq | 95-0102 | Casing, .445 metal-vinyl, 100' |
| 95-0072 | Comp. tip for .150 core, .152" tang | 95-0103 | Core, .130, 100' |
| 95-0073 | Comp. tip for .150 core, .187" tang | 95-0104 | Core, .130, 500' |
| 95-0074 | Comp. tip for .150 core, .203" tang | 95-0105 | Core, .130, 1000' |
| 95-0075 | Comp. tip for .150 core, .104" sq | 95-0106 | Core, .150, 100' |
| 95-0076 | Comp. tip for .150 core, .150" sq | 95-0107 | Core, .150, 500' |
| 95-0077 | Upper tip for .150 core, .187" sq hole | 95-0108 | Core, .150, 1000' |
| 95-0078 | Lower tip for .150 core, .203" tang | 95-0110 | Core, .187, 100' |
| 95-0081 | Lower tip for .150 core, .124" sq | 95-0112 | Casing, .330, metal-vinyl, 100' |

Interconnect Harnesses

For installation of Tectran speedometers and tachometers in original electronic equipment applications.

| PART NUMBER | APPLICATIONS |
|-------------|---|
| 95-0140 | Adapts Peterbilt 17-03551-001 for Tectran unit 95-0519 |
| | Adapts Peterbilt 17-03551-002 for Tectran unit 95-0519 |
| | Adapts Peterbilt 17-03552-001 for Tectran unit 95-0904 |
| | Adapts Peterbilt 17-03552-002 for Tectran unit 95-0906 |
| | Adapts Kenworth 3K tachometers (with or without hourmeter) for Tectran unit 95-0904 |
| 95-0141 | Adapts Peterbilt part numbers: 14-03190 for Tectran 95-0519, 17-03183 for Tectran 95-0904 |
| 95-0142 | Adapts Kenworth K152-471 for Tectran unit 95-0504 |

Technical Tip

Checking the accuracy of the speedometer after installation:

After the speedometer has been installed in the vehicle, the accuracy of the indication may be checked and corrected as follows.

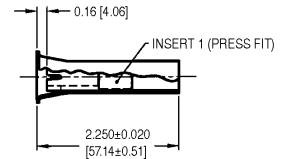
The vehicle should be driven at a constant speed. The time taken and the distance traveled should be noted. The distance traveled is to be taken from the milepost and not from the odometer indication. A stopwatch is suggested to measure the time.

The speed indicated by the speedometer also to be noted. (Indicated speed)

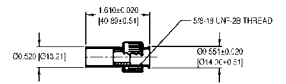
The exercise may be repeated three or four times. From this data the actual speed of the vehicle and programming number can be determined with the following equations.

$$\text{Actual speed (MPH)} = \frac{\text{Sum of the distance traveled for three passes in miles}}{\text{Sum of the time taken for three passes in seconds}} \times 3600$$

$$\text{New programming number} = \frac{\text{Set programming} \times \text{indicated speed}}{\text{Actual speed}}$$



95-0060 Comp. ferrule for .445 hsg



95-0061 Upper ferrule for .445 hsg, 5/8-18 nut



95-0107 Core .150, 500'



95-0112 Casing .330, metal-vinyl, 100'



95-0141 Interconnect harness

Speedometers & Tachometers

Technical Tip

Finding the programming number:

The programming number = the number of output pulses from the sensor per mile.

If the programming number is indicated in the vehicle's user manual, go to "Setting the programming number". If the number is not available, connect a pulse measuring counter to the sensor and find the number of pulses output by driving the vehicle one mile. The milepost on the road can be used as a reference. It is suggested to repeat the exercise a few times and average value.

The speedometer will work with the signals from either a magnetic pick-up sensor or Hall effect sensor.



95-0903 Tachometer
3 3/8", 0-2000 rpm, black bezel



95-0907 Tachometer
3 3/8", 0-3000 rpm, chrome bezel



95-0915 Tachometer
5", 0-3000 rpm, black bezel



95-0916 Tachometer
4 5/8", 0-3500 rpm, black bezel



95-0920 Tachometer
3 3/8", 0-4000 rpm, black bezel



95-0924 Tachometer
3 3/8", 0-4000 rpm, black bezel



95-0932 Tachometer
3 3/8", 0-5000 rpm, black bezel

Programmable Tachometers

These instruments are designed to accept signals from pulse generators, magnetic senders or alternator taps. Alternator signals vary significantly and applications must be checked for proper function. For 24 VDC NG applications, a 24 VDC bulb must be purchased separately. See page 30 in Specialty Products & Accessories section of this catalog. Features:

- Most units have hourmeters that count only when a signal is present (engine running).
- 12 or 24 VDC NG operation on 3 3/8" models.
- 4 5/8" and 5" units are 12 VDC NG standard. 24 VDC NG is optional. Specify when ordering.
- Dip switch programming.
- Mounting hardware and light kit are included.
- Silicone dampened air core movements and black bezels are standard.
- Non-microprocessor units are available for special applications.
- Contact us for positive ground applications.
- Made in the USA.

| PART NUMBER | SIZE | MICROPROCESSOR | SCALE | HOURLMETER | BEZEL | POINTER |
|-------------|--------|----------------|------------|------------|--------|----------------|
| 95-0914 | 5" | no | 0-3000 rpm | no | Black | white tip |
| 95-0915 | 5" | no | 0-3000 rpm | no | Black | red-orange tip |
| 95-0916 | 4 5/8" | no | 0-3500 rpm | no | Black | red-orange tip |
| 95-0934 | 3 3/8" | yes | 0-8000 rpm | no | Black | white tip |
| 95-0920 | 3 3/8" | yes | 0-6000 rpm | no | Black | white tip |
| 95-0917 | 3 3/8" | no | 0-6000 rpm | no | Black | white tip |
| 95-0931 | 3 3/8" | yes | 0-5000 rpm | yes | Black | white tip |
| 95-0932 | 3 3/8" | yes | 0-5000 rpm | no | Black | white tip |
| 95-0930 | 3 3/8" | no | 0-5000 rpm | yes | Black | white tip |
| 95-0929 | 3 3/8" | no | 0-5000 rpm | no | Black | white tip |
| 95-0924 | 3 3/8" | yes | 0-4000 rpm | yes | Black | white tip |
| 95-0927 | 3 3/8" | yes | 0-4000 rpm | no | Black | white tip |
| 95-0922 | 3 3/8" | no | 0-4000 rpm | yes | Black | white tip |
| 95-0923 | 3 3/8" | no | 0-4000 rpm | yes | Chrome | white tip |
| 95-0921 | 3 3/8" | no | 0-4000 rpm | no | Black | white tip |
| 95-0926 | 3 3/8" | no | 0-4000 rpm | no | Chrome | white tip |
| 95-0908 | 3 3/8" | yes | 0-3000 rpm | yes | Black | white tip |
| 95-0909 | 3 3/8" | yes | 0-3000 rpm | yes | Chrome | white tip |
| 95-0912 | 3 3/8" | yes | 0-3000 rpm | no | Black | white tip |
| 95-0913 | 3 3/8" | yes | 0-3000 rpm | no | Chrome | white tip |
| 95-0906 | 3 3/8" | no | 0-3000 rpm | yes | Black | white tip |
| 95-0907 | 3 3/8" | no | 0-3000 rpm | yes | Chrome | white tip |
| 95-0904 | 3 3/8" | no | 0-3000 rpm | no | Black | white tip |
| 95-0911 | 3 3/8" | no | 0-3000 rpm | no | Chrome | white tip |
| 95-0902 | 3 3/8" | yes | 0-2000 rpm | yes | Black | white tip |
| 95-0903 | 3 3/8" | yes | 0-2000 rpm | no | Black | white tip |
| 95-0901 | 3 3/8" | no | 0-2000 rpm | yes | Black | white tip |
| 95-0900 | 3 3/8" | no | 0-2000 rpm | no | Black | white tip |

2 1/16" Electronic Tachometers

These tachometers are used in small engine applications such as the 6.2/6.5 liter GM Diesel, 6.9/7.3 Ford Diesel and Dodge/Cummins.

- All units can be used with any sensor kit listed in this section.
- All units are 12 VDC NG only.
- To install sensor, mount two magnets to front engine pulley and sensor to a pan bolt.
- All units have black bezels and red-orange pointers.
- Made in the USA.

| Select a tachometer and sensor kit for your application: | | | | Replacement parts for sensor kit at left. Not needed for new installations. | |
|--|-----|-----------|------------|---|-------------|
| APPLICATION | RPM | TACH HEAD | SENSOR KIT | MAGNET KIT | SENSOR ONLY |
| Universal 3K | 3K | 95-1000 | 95-1010 | 95-0180 | 95-0185 |
| Dodge/Cummins, Pre 92 | 4K | 95-1002 | 95-1011 | 95-0180 | 95-0186 |
| Dodge/Cummins, Pre 92 & later | 4K | 95-1002 | 95-1012 | N/A | N/A |
| GM 6.2/6.5 liter | 4K | 95-1002 | 95-1013 | 95-0180 | 95-0187 |
| Ford 6.9/7.3 liter | 4K | 95-1002 | 95-1014 | 95-0180 | 95-0188 |
| Universal 4K | 4K | 95-1002 | 95-1010 | 95-0180 | 95-0185 |
| Universal 5K | 5K | 95-1003 | 95-1010 | 95-0180 | 95-0185 |
| Volkswagen | 5K | 95-1003 | 95-1010 | 95-0180 | N/A |
| Universal 6K | 6K | 95-1005 | 95-1010 | 95-0180 | 95-0185 |



95-1002 2 1/16" Tachometer
0-4000 rpm, black bezel



95-1011 Sensor kit
For Dodge/Cummins, pre 92



95-1012 Sensor kit
For Dodge/Cummins, 92 & later

3 3/8" Alternator Tachometers

These products are designed for alternator applications with an alternating current tap and are field adjustable. For 24 VDC NG applications, a 24 VDC bulb must be purchased separately. See Gauge Lighting section on page 30.

- 12 or 24 VDC NG operation.
- Alternator tachs have silicone dampened air core movements.
- Black bezels are standard.
- Made in the USA.

| PART NUMBER | SCALE | HOURLY | BEZEL COLOR | POINTER |
|-------------|------------|--------|-------------|-----------|
| 95-1512 | 0-8000 rpm | yes | Black | white tip |
| 95-1511 | 0-8000 rpm | no | Black | white tip |
| 95-1510 | 0-6000 rpm | yes | Black | white tip |
| 95-1509 | 0-6000 rpm | no | Black | white tip |
| 95-1507 | 0-4000 rpm | yes | Black | white tip |
| 95-1504 | 0-4000 rpm | no | Black | white tip |
| 95-1503 | 0-3000 rpm | yes | Black | white tip |
| 95-1502 | 0-3000 rpm | no | Black | white tip |
| 95-1501 | 0-2000 rpm | yes | Black | white tip |
| 95-1500 | 0-2000 rpm | no | Black | white tip |



95-1500 Alternator tachometer
3 3/8", 0-2000 rpm, hourmeter



95-1503 Alternator tachometer
3 3/8", 0-3000 rpm, hourmeter



95-1507 Alternator tachometer
3 3/8", 0-4000 rpm



95-1509 Alternator tachometer
3 3/8", 0-6000 rpm

Hand Held Tachometers

95-0150 Digital Hand Held Tachometer

Measures rotational speeds without mechanical contact on any rotating object. Included are carrying case, batteries and reflective tape. Features:

- Memory
- Rugged lightweight construction
- Accuracy: $\pm .1$ rpm, 5 to 999.9 rpm
- Accurate digital LCD readout
- Range: 6 to 100,000 rpm
- ± 1 rpm, 1,000 to 100,000 rpm

95-0151 Replacement reflective tape, one 2 ft. piece.



95-0150 Digital hand held
photo-tachometer



95-1700 Ignition tachometer
2 1/16", 0-4000 rpm, black bezel



95-1710 Ignition tachometer
3 3/8", 0-5000 rpm, black bezel



95-1715 Ignition tachometer
3 3/8", 0-6000 rpm, hourmeter

Ignition Tachometers

These tachometers are designed for most standard ignition systems that have a coil type ignition or tach output connection. Applications are for 4, 6 or 8 cylinder, four stroke engines. For 24 VDC NG applications, a 24 VDC bulb must be purchased separately. See Gauge Lighting section on page 30.

- Hourmeters reflect true engine running hours.
- 12 or 24 VDC NG operation on 3 3/8" air core units.
- 12 VDC NG only on 2 1/16" units.
- All models include light kit and mounting hardware.
- 2 1/16" units have black bezels and red-orange pointers.
- 3 3/8" units have black bezels and white pointers.

| PART NUMBER | SIZE | SCALE | HOURLMETER | BEZEL | POINTER |
|-------------------|---------|------------|------------|-------|----------------|
| 95-1718 | 3 3/8" | 0-8000 rpm | yes | Black | white tip |
| 95-1716 | 3 3/8" | 0-8000 rpm | no | Black | white tip |
| 95-1715 | 3 3/8" | 0-6000 rpm | yes | Black | white tip |
| 95-1713 | 3 3/8" | 0-6000 rpm | no | Black | white tip |
| 95-1712 | 3 3/8" | 0-5000 rpm | yes | Black | white tip |
| 95-1710 | 3 3/8" | 0-5000 rpm | no | Black | white tip |
| 95-1708 | 3 3/8" | 0-4000 rpm | yes | Black | white tip |
| 95-1706 | 3 3/8" | 0-4000 rpm | no | Black | white tip |
| AIR CORE MOVEMENT | | | | | |
| 95-1702 | 2 1/16" | 0-6000 rpm | no | Black | red-orange tip |
| 95-1701 | 2 1/16" | 0-5000 rpm | no | Black | red-orange tip |
| 95-1700 | 2 1/16" | 0-4000 rpm | no | Black | red-orange tip |

Specialty Devices

95-0160 Pulse Distribution Module

This module corrects problems caused by attaching multiple instruments to one magnetic speed sender or pulse generator. It accepts existing speedometer or tachometer signal and will boost and isolate it into five separate outputs. These can be used to drive speedometers, on-board computers, cruise control, taximeters and other devices that use the signal without weak or intermittent signals and interference. 12 VDC NG.

95-0161 Pulse Distribution Module Same as 95-0160 except 24VDC NG.



95-0160 Pulse distribution module

95-0162 Electronic Ratio Adapter

This device corrects speedometer accuracy caused by tire size and rear end ratio changes. Instructions help you calculate percentage of increase or decrease necessary to correct the speedometer reading. Dip switches are then set to adjust the signal and calibrate the speedometer. Wiring is 12 VDC NG keyed on/off, ground, input signal from magnetic sensor or signal generator and output signal to the speedometer.



95-0162 Electronic ratio adapter

Product Specifications

Mechanical Speedometers & Tachometers

Fit SAE 3 3/8" standard mounting hole, 5" diameter models available.

Speedometer:

Meets SAE J678, ± 2% full scale @ -7°C to 54°C

Odometer:

± 0.3% error @ -7°C to 54°C.

Tachometer:

Meets SAE J678, ± 2% full scale @ -7°C to 54°C

Hourmeter:

± 2% @ 24°C

Electric Speedometers & Tachometers

Speedometer:

Meets SAE J1226 at ambient, ± 2% full scale @ -7°C to + 54°C

Odometer:

± 0.3% error @ -7°C to + 54°C

Tachometer:

Meets SAE J1399, ± 2% full scale @ -7°C to + 54°C

Hourmeter:

± 1% @ -7°C to + 54°C