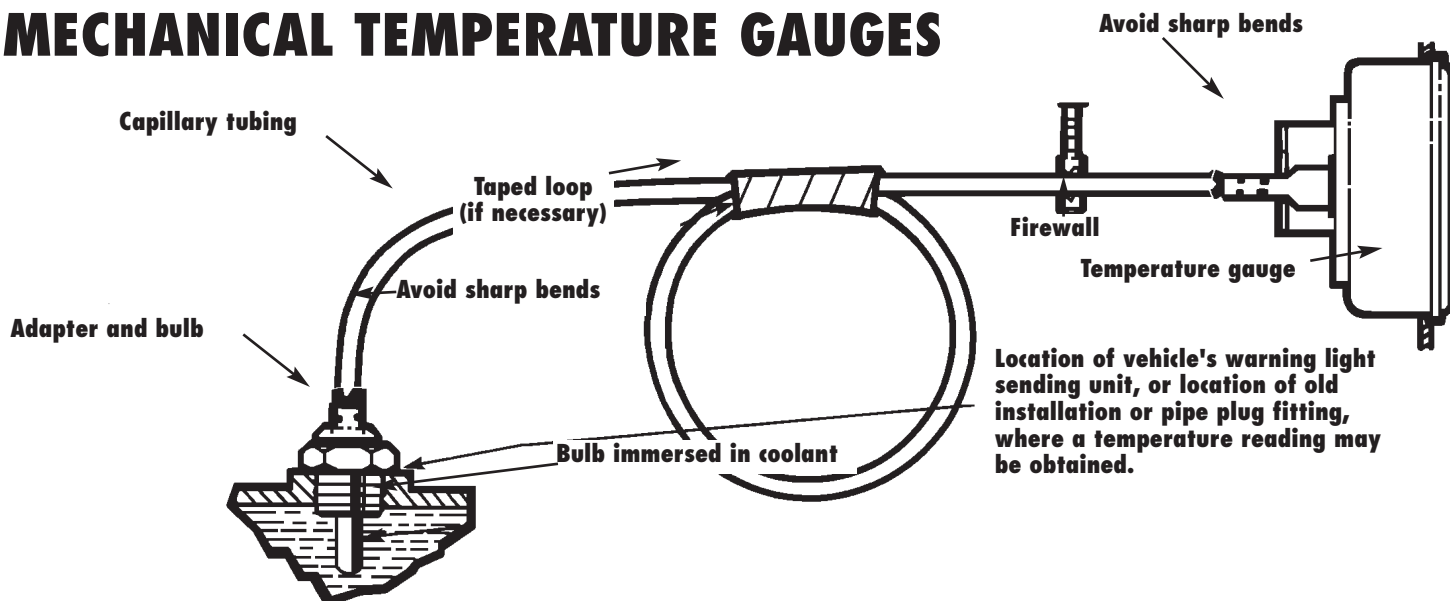


# INSTRUCTIONS

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665-284B  
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## INSTALLATION OF STEWART-WARNER MECHANICAL TEMPERATURE GAUGES



### TEMPERATURE GAUGES

#### MOUNTING

(1) Select a location for mounting gauge which will be easy to read from a normal driving position.

(2) If gauge is to be mounted in the instrument panel, cut a mounting hole in panel 1/32" larger than diameter of gauge case.

**CAUTION:** When uncoiling tubing, avoid excessive rough handling, twisting or pulling of tubing. A kink or rupture will cause tubing to leak and render gauge useless.

(3) Insert gauge into mounting hole in instrument panel and secure with mounting bracket and nuts provided.

**WARNING:** Some vehicles use emission control devices which rely on the temperature warning light switch for their operation. In those instances another location must be found to install sender if possible.

(4) Route tubing from back of gauge, through firewall, (using suitable protection to prevent abrasive damage to tubing to warning light sending unit

for vehicles warning light system, or a pipe plug fitting where a temperature reading may be obtained, or location of old installation. (See Illustration)

(5) Locate and remove vehicles warning light sending unit, or the old tubing and bulb of previous installation, or a pipe plug fitting where a temperature reading may be obtained.

**IMPORTANT:** In some cases the vehicles lubricant or coolant may have to be drained, make certain lubricant or coolant is replaced before starting engine.

(6) Remove adapter nut from temperature gauge tubing.

(7) Thread adapter nut into boss.

(8) Insert bulb end of tubing into adapter and secure by threading small nut (on tubing) into adapter with 5/8" wrench. Be certain that bulb is sufficiently immersed in coolant or lubricant. (See Illustration)

(9) Fasten tubing securely along its route to avoid its interfering with other engine equipment and to avoid vibration which could cause cracking. If tubing is too long, it may be looped and taped to shorten. (See illustration)

**IMPORTANT:** Avoid sharp bends, especially at gauge and adapter connecting points.

#### LIGHTING

(1) Assemble bolt and socket.

(2) Insert socket into hole in rear of gauge or into light bracket.

**NOTE:** If gauge is not supplied with bulb, socket and wire assembly and gauge either:

(a) Contains windows in the case for indirect lighting. Lighting kit 366-CH is available if lighting is desired.

(b) Contains a hole in the case for direct lighting. Lighting Kit 36-FK is available if lighting is desired.

(3) Secure lead wire from light socket to vehicles' light switch or panel lighting source.

(4) If gauge is mounted in a manner as not to be grounded (plastic, wood or fiberglass panels, etc.), bulb will not light. A length of wire must be secured to one of the mounting studs of the gauge and connected to a good ground.

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# INSTRUCTIONS

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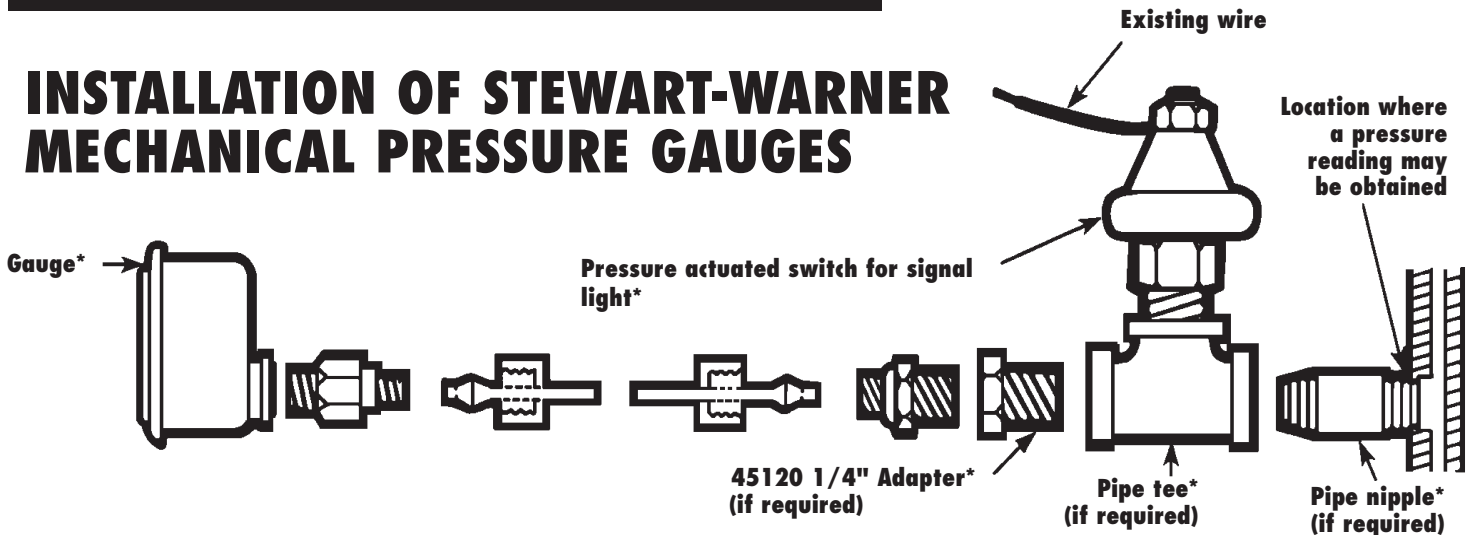
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## INSTALLATION OF STEWART-WARNER MECHANICAL PRESSURE GAUGES



### PRESSURE GAUGES MOUNTING

(1) Select a location for mounting gauge where it will be easy to read from a normal driving position.

**IMPORTANT:** If gauge is used to measure fuel pressure, it is recommended that gauge be mounted outside of vehicle's passenger compartment because tubing and gauge will fill with fuel.

(2) To mount the gauge in instrument panel, cut a hole 1/32" larger than the diameter of the gauge case. Insert gauge and install mounting bracket.

Accessory Panel Mount and Pedestal Mount are available from your local Stewart-Warner dealer, except for gauges with a case diameter larger than 2 1/8".

### INSTALLATION

**NOTE:** It is recommended that rubber grommets be installed, in firewall opening through which tubing will be routed, to prevent abrasive damage to tubing and reduce vibration pickup. The use of 1/8" O.D. nylon tubing is recommended because of its vibration dampening characteristics and because it is easy to route.

(1) Connect tubing to back of gauge & route through firewall (See illustration)

**CAUTION:** Tubing must not come into contact with sharp edges, moving parts or hot engine components.

(2) Locate the warning light sending unit for the automobile's warning light system, or a pipe plug fitting where a pressure reading might be obtained.

(3) Remove the sending unit or the fitting. Install the necessary adapters or fittings as needed and install the gauge tubing adapter. (See illustration)

**IMPORTANT:** Some vehicles with electric fuel pumps use warning light pressure switch as a safety cut-off. In those instances pressure switch must be used with gauge. If gauge is not supplied with installation kit, 366-FF or 366-HM Installation Kits are available from local Stewart-Warner dealers.

**NOTE:** Fittings on most American automobiles are 1/8" NPTF or 1/4" NPTF. Adapter 45120 is available if a 1/4" NPTF is needed. If warning light and gauge are to be used, a female tee & a 2" nipple are required. (See illustration)

### LIGHTING

(1) Assemble bulb and socket.

(2) Insert socket into hole in light bracket or hole in rear of gauge.

(3) Connect the wire from the socket to a panel lighting source that is controlled by the light switch.

(4) Secure a length of wire (No. 18 AWG is recommended) from either mounting stud on rear of gauge and connect the other end of this wire to a good ground. If the pressure gauge is not supplied with bulb, socket and wire assembly

and the gauge:

(a) Contains windows in the case for indirect lighting, purchase 366-CH Lighting Kit if lighting is desired.

(b) Contains a hole in the case for direct lighting, purchase 366-FK Lighting Kit if lighting is desired.

### LIMITED WARRANTY

Stewart-Warner warrants to the consumer that its products will be free from defects in material and workmanship for a period of 24 months following date of purchase.

Instrument products which fail within the warranty period due to defects in material or workmanship will be repaired or replaced at Stewart-Warner's option without charge to the consumer when returned with proof of purchase to any authorized Stewart-Warner deal in the United States and Canada, transportation prepaid.

All implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, shall be limited in duration to the 24 month express warranty period specified above.

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