

WATER TEMPERATURE

1. Drill a 3/8" hole in firewall and route temperature sensing bulb through hole. Slit the rubber grommet and position in hole to hold gauge tubing in place.

IMPORTANT: In routing water temperature tubing, avoid sharp bends and make as few bends as necessary. Also, to avoid premature gauge failure, route tubing away from exhaust manifolds or headers. Be sure to secure capillary tubing to firewall, inner fender panel, or engine to avoid excessive vibration and shaking.

2. Insert and tighten mounting nut in the 1/2" NPT outlet in engine. Make sure enough clearance exists between bulb and internal engine parts. If outlet is not 1/2" NPT, it can be drilled and tapped to that size, or the proper Auto Gage adapter can be purchased at an auto parts store. Insert temperature sensing bulb into mounting nut and carefully tighten sealing nut. Be sure line is free from moving engine parts.

3. Start engine and check installation for leaks.

4. Connect light socket to good engine ground and 12V dash lighting circuit.

IMPORTANT: Whenever removing temperature sensing bulb, loosen sealing nut but DO NOT allow mounting nuts to rotate. Failure to follow this procedure may break capillary tubing internally, thus voiding warranty.

Warning: Most late model vehicles use oil pressure and water temperature senders to control engine functions through an on-board computer. Consult your dealer to make sure removal of stock sender will not inhibit engine performance. If the stock senders are required plumb a tee into the engine oil port and thread both the stock sender and Auto Meter pressure sender to it. For the water temperature sender, another mounting location must be used. We recommend using a Remote Temperature Manifold (Auto Meter model 2280, 2281, or 2282). These manifolds allow water temperature sender to be mounted in a convenient location within the cooling system.

OIL PRESSURE

1. Drill a 3/8" dia. hole in firewall and install rubber grommet to insulate nylon tubing where it passes through sheet metal.

2. Attach nylon pressure line to fitting on back of gauge as shown in diagram above. Route line through grommet to engine compartment. Connect line to pressure outlet on engine by using a 1/8" NPT or 1/4" NPT adapter, ferrule, and sealing nut as shown. If pressure outlet is not 1/8" NPT or 1/4" NPT it can be drilled and tapped to that size, or the proper Auto Gage adapter can be purchased at an auto parts store.

3. To help prevent leaks, be sure the end of nylon tubing is cut cleanly and straight. Slide compression nut onto tubing with threads toward end of tubing. Slide ferrule onto end of tubing, leaving 3/16" between ferrule and end of tube. Insert end of tubing into 1/8" NPT adapter. Apply pressure to maintain constant bond between end of tubing and inside of adapter. Slide ferrule into the adapter then compression nut. Tighten compression nut (with 3/8" open-end wrench) while holding 1/8" NPT adapter firm (with 7/16" open-end wrench). To make sure it is a snug fit, tug lightly on nylon tubing to make sure it doesn't come out.

4. Be sure nylon tubing is free from moving parts or hot engine components.

5. Start engine and check installation for leaks. Connect light wires to good engine ground and 12V dash lighting circuit.

AMMETER

Read before installing:

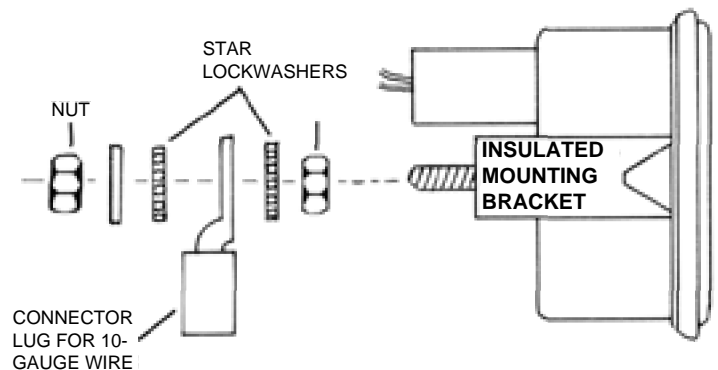
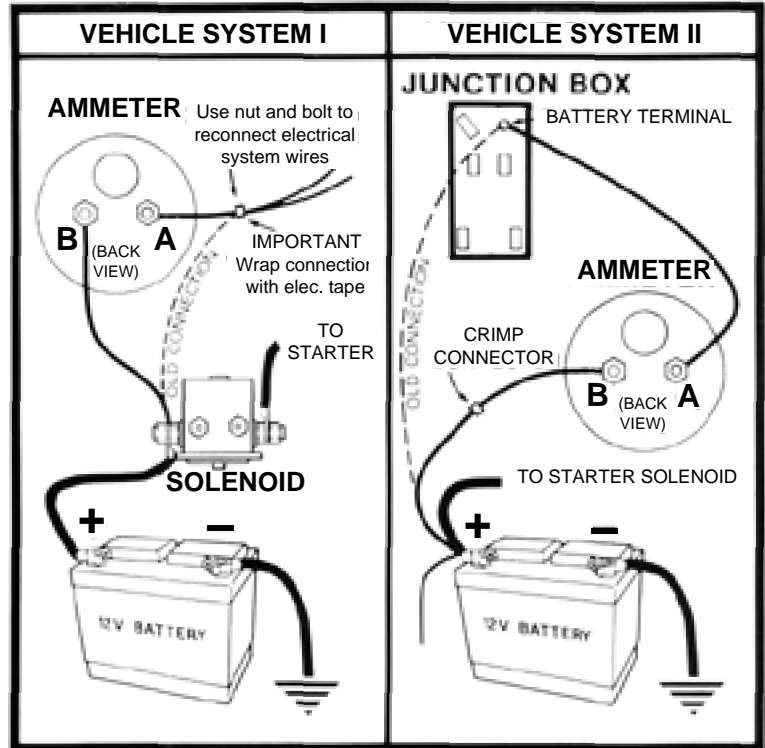
WARNING

Have your maximum alternator output tested by an experienced mechanic. Choice of improper ammeter rating and/or wire size, and any loose connections can cause dangerous overheating, which could lead to a fire in your vehicle. Ammeter can wire should have a capacity of at least 10 amps more than your vehicle's maximum alternator output.

1. Auto Meter No. 2215 or 2354 wire kit must be used on systems that have an alternator with a rating greater than 45 amperes. Auto Meter wire kit No. 2215 is recommended for all installations.
2. Disconnect negative (-) battery cable.
3. Verify that the nuts on both meter terminals are tight.
4. Follow wiring diagram for car systems I or II, and connect ammeter as illustrated. **DO NOT CONNECT AMMETER ACROSS THE BATTERY.**
5. **IMPORTANT:** Terminal lugs must be BOTH crimped and soldered to the wire, and star lockwashers must be used on both sides of the terminal lugs.
6. Tighten terminal nuts to compress star lockwashers into the terminal lugs.
7. Verify that none of the ammeter connections are to ground.
8. Install light in back of gauge and connect wire to dash lighting circuit or to any 12V source. If dash is non-metallic, or if gauge is cup mounted, a separate ground wire must be connected between a gauge case stud and ground.
9. Reconnect negative (-) battery cable.
10. Leaving engine off, turn on lights. Indicator should read negative (-). If it reads positive (+), reverse the wires on back of meter.
11. **Before** starting car, double check that all connections are tight. After starting engine, check wiring and connections for hot spots and be prepared to shut off engine **immediately** if hot spots are detected.

NOTE: For dash lighting replacement bulbs use Auto Gage No. 2388.

Determine which wiring diagram represents your vehicle's system.



12 MONTH LIMITED WARRANTY

Auto Meter Products, Inc. warrants to the consumer that all Auto Meter High Performance products will be free from defects in material and workmanship for a period of twelve (12) months from date of the original purchase. Products that fail within this 12 month warranty period will be repaired or replaced at Auto Meter's option to the consumer, when it is determined by Auto Meter Products, Inc. that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement of parts in the Auto Meter instruments. In no event shall this warranty exceed the original purchase price of the Auto Meter instruments nor shall Auto Meter Products, Inc. be responsible for special, incidental or consequential damages or costs incurred due to the failure of this product. Warranty claims to Auto Meter must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is non-transferable. All implied warranties shall be limited in duration to the said 12 month warranty period. Breaking the instrument seal, improper use or installation, accident, water damage, abuse, unauthorized repairs or alterations voids this warranty. Auto Meter Products, Inc. disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by Auto Meter.

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