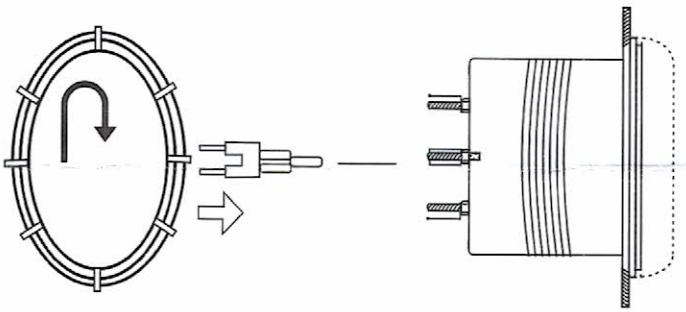
INSTALLATION INSTRUCTIONS
(2-1/16") ELECTRICAL GAUGES
TRUCK / YACHT GAUGE SERIES

Mounting

These gauges can be mounted in-dash or in Auto Gauge panels (2-5/8" dia. hole for 2-5/8" gauges). Fasten with brackets supplied as shown. (Hookup wire is required.) To assure proper functioning of this instrument, please read instructions thoroughly before installing.

NOTE: Some late model vehicles use electronic sensors in their pressure and temperature senders for engine control functions. Before removing the original sender, we recommend that you contact your automotive dealer to be sure no critical functions will be disrupted. With pressure gauges it is beneficial to add a T-fitting to install your new gauge and to keep the warning light operational. This allows you to monitor the pressure and still have a warning light to indicate emergency conditions.



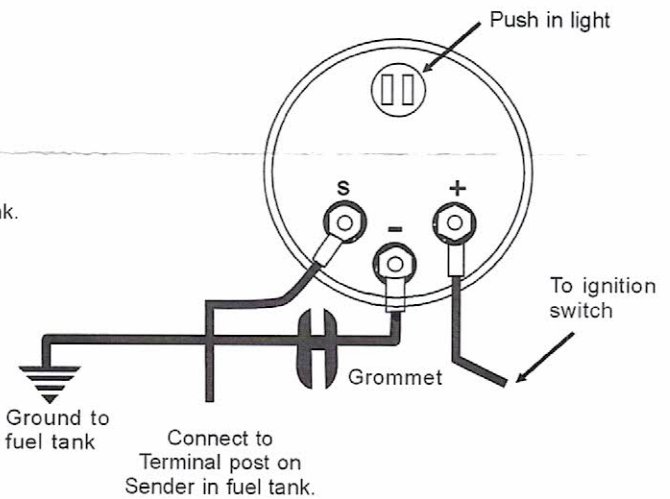
BOTTOM VIEW

Fuel Level/Water Level

BACK VIEW

For the following installation, the TANK MUST BE FULL. Disconnect negative battery cable when wiring and reconnect to check reading.

1. Disconnect negative (-) battery cable.
2. Existing wires may be used, or route proper length of 18 gauge, 2 conductor wire from fuel tank to gauge. Connect one end to terminal post on fuel level sender and opposite end to sender (S) terminal on gauge.
3. Connect wire from gauge center terminal [GND(-)] to ground on fuel tank.
4. Connect wire from ignition switch to positive I (+) terminal on gauge. **CAUTION: Be careful not to touch ignition wire to the sender (S) terminal on back of gauge or the sender will be damaged.**
5. Install the light in the socket on the rear of the gauge and connect wire to the instrument lighting circuit or other 12V power source.
6. Reconnect negative (-) battery cable.



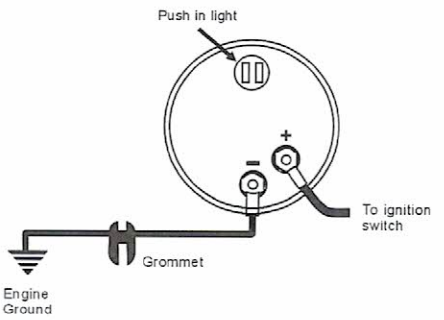
Model No.	Sender Resistance (Ohms)	
	Empty	Full
94	240	33

*** If you dash panel is not grounded, you will need to install a ground wire on the gauge case to enable your light to work**

Voltmeter

BACK VIEW

1. Disconnect negative (-) battery cable.
2. Using 18 gauge wire (Auto Meter wire kit no. 2214 is recommended), route one length through firewall using grommet. Attach on end to the negative (-) terminal on back of gauge, and the opposite end to a good engine ground.
3. Attach one length of wire to the positive (+) terminal on back of gauge and opposite end to 12V terminal on ignition switch or other 12V power source.
4. Install light on back of gauge and connect wire to dash lighting circuit or to other 12V power source.
5. Reconnect negative (-) battery cable.



See other side for **Pressure & Temperature Gauges,** and Service/Warranty information.

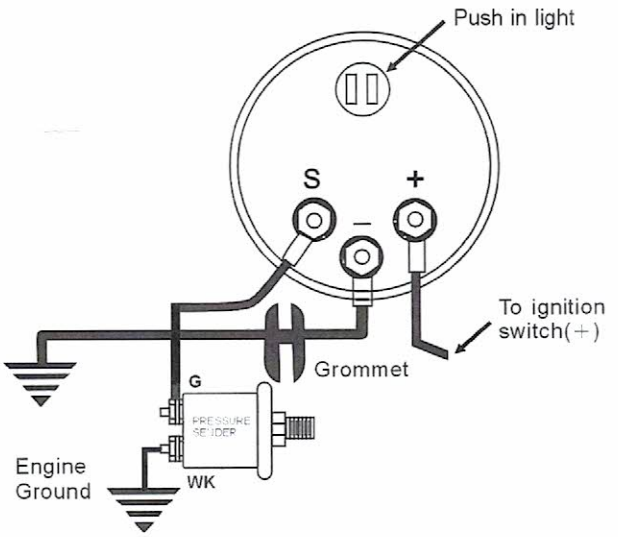
Oil Pressure Gauges.

BACK VIEW

1. Disconnect negative (-) battery cable.
2. Install 1/8" NPT sender (included.).
   Sender should automatically be grounded when installed.
   If not, proper ground connections should be made.
3. Route 18-gage twin conductor wire through firewall using grommet.
   Connect one end to terminal post on pressure sender, and opposite end to sender (S) terminal on back of gauge.

CAUTION: Be careful not to touch ignition wire to the sender (S) terminal on back of gauge or the sender may be damaged.

4. Connect wire from center terminal GND (-) on back of gauge to good engine ground near sender.
5. Connect wire from ignition switch to ignition (I) terminal on back of gauge.
6. Install light in back of pressure gauge and connect wire to the dash lighting circuit or to other 12V power source.
7. Reconnect negative (-) battery cable.



WATER / OIL Temperature Gauges

BACK VIEW

1. Disconnect negative (-) battery cable.
2. Install temperature sender.
   A. Water Temp: Install temperature sender (included.)
   B. Oil & Trans. Temp: Hole may have to be drilled.
      Be sure there is adequate internal clearance for nut and sender.
      Sender should automatically be grounded.
   when installed. If not, proper ground connections should be made.
3. Route 18-gage twin conductor wire through firewall using grommet.
   Connect one end to terminal post on temperature sender, and opposite end to sender (S) terminal on back of gauge.

CAUTION: Be careful not to touch ignition wire to the sender (S) terminal on back of gauge or the sender may be damaged.

4. Connect wire from center terminal GND (-) on back of gauge to good engine ground near sender.
5. Connect wire from ignition switch to ignition (I) terminal on back of gauge.
6. Install light in back of temperature gauge and connect wire to the dash lighting circuit or to other 12V power source.
7. Reconnect negative (-) battery cable.

