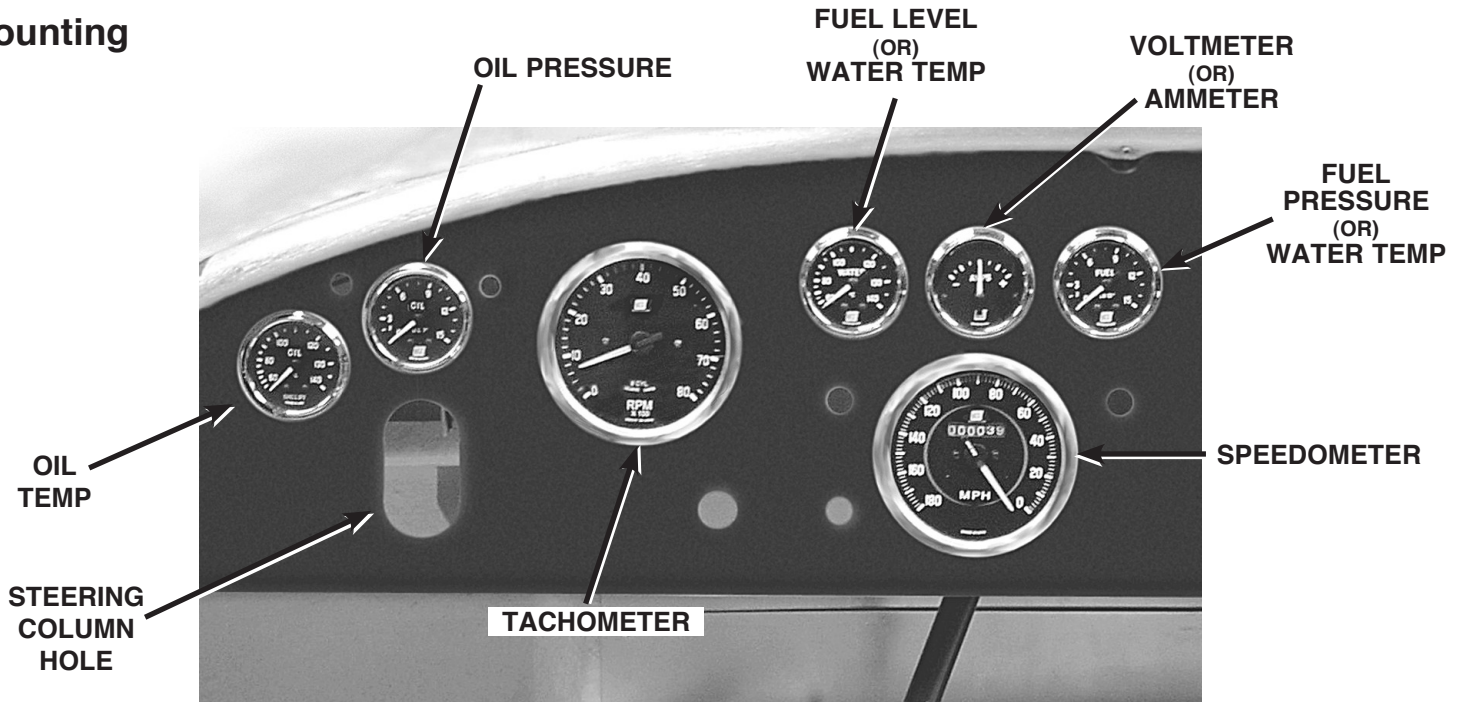


# 2-1/16" GAUGES INSTALLATION INSTRUCTIONS

2650-1193



## Mounting



CSX-3022 Original Layout (Auto Meter suggested Cobra Instrument layout)

## Preliminary Steps

1. Read instructions thoroughly for the gauge(s) you purchased. The installation of each gauge requires the expertise of a trained mechanic. Please consult a qualified technician if you have not had training on instrument installation.
2. Consult your vehicle's repair manual to locate the appropriate port in the firewall for the gauge you are installing. Also locate the appropriate 12V ignition switch wiring or fuse box.
3. Determine the best route for tubing to follow. Choose a path free of hazards of moving parts or hot engine components.
4. Determine correct mounting location illustrated above. Note: It is important that each gauge be placed as indicated except for the optional Fuel Level gauge (explained later), each gauge is designed with its own hardware to fit the designated position.
5. All efforts have been made to determine the correct gauge location for Shelby Cobras. Although many cars were built differently (special orders), the gauge locations indicated above are logical and vintage original photos of CSX 3022

indicate this layout. We suggest you follow this pattern. If you chose to install your gauges in different locations Auto Meter Products will not be responsible for any unfortunate results that may occur. In order to retain our suggested original integrity, follow the instructions correctly for the gauge(s) you purchased.

6. Assemble tools and parts required for installation.

**WARNING** – If you have purchased more than one gauge DO NOT mix assembly parts between gauges.

7. Disconnect negative (-) battery cable from the battery during gauge installation.
8. See each gauge installation instructions on the following pages.

## OIL TEMPERATURE

The oil temperature gauge is installed to the left of the steering column.

1. Use only the installation components provided with the gauge.
2. **Do not cut hole in firewall. Use hole already provided.**
3. Refer to the Mechanical gauge installation (Temperature Gauges) for installing the oil temperature gauge.
4. If removal of the temperature sensor and adapter fitting is necessary, do not allow the adapter fitting to rotate when removing the sensor. Failure to follow this procedure may break capillary tubing internally thus voiding warranty.

## WATER TEMPERATURE

The water temperature gauge is installed above and left of the speedometer (**See Drawing**).

1. Use only the installation components provided with the gauge.
2. **Do not cut hole in firewall. Use hole already provided.**
3. Refer to the Mechanical gauge installation (Temperature Gauges) for installing the water temperature gauge.
4. If removal of the temperature sensor and adapter fitting is necessary, do not allow the adapter fitting to rotate when removing the sensor. Failure to follow this procedure may break capillary tubing internally thus voiding warranty.

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## **OIL PRESSURE**

The oil pressure gauge is installed directly above the steering column.

1. Use only the installation components provided with the gauge.
2. **Do not cut hole in firewall. Use hole already provided.**
3. Refer to the Mechanical gauge installation (Pressure Gauges) for installing the oil gauge.
4. Install the 90° brass fitting on the back of the gauge using Teflon tape. Make sure the fitting is tight and pointing down and away from the bracket and case studs.
5. Instead of nylon tube use #4 stainless braided hose (also known as -4AN) to the brass adapter. **ONLY USE STAINLESS STEEL BRAIDED HOSE FOR COUPLING THE GAUGE TO THE ENGINE.**
6. Position the hose away from hazardous moving parts or hot engine components to the point of attachment.

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## **FUEL PRESSURE**

The fuel pressure gauge is installed above and to the right of the speedometer (**see drawing**). **WARNING: DO NOT INSTALL ELECTRICAL GAUGES IN THIS DASHBOARD/HOLE LOCATION.** The wires and electrical connections on the back of the gauge will short out on the steel support tubes on the cobra frame.

1. Use only the installation components provided with the gauge.
2. **Do not cut hole in firewall. Use hole already provided.**
3. Refer to the Mechanical gauge installation (fuel pressure Gauges) for installing the fuel pressure gauge.
4. Position the hose away from hazardous moving parts or hot engine components to the point of attachment.

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## **AMMETER**

The ammeter gauge is installed directly above the speedometer.

1. Use only the installation components provided with the gauge.
2. **Do not cut hole in firewall. Use hole already provided.**
3. Refer to the short sweep electric gauge installation (Ammeter Gauge) for installing the ammeter gauge.

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## **FUEL LEVEL**

The electric fuel level gauge can be installed instead of the fuel pressure gauge, but it cannot be installed in the same location. To avoid possible fire hazards, if the electric fuel level gauge is desired, mount it in the dash above and to the left of the speedometer. Move the water temperature gauge to above and to the right of the speedometer. **WARNING: DO NOT INSTALL THE FUEL LEVEL OR AMMETER IN HOLE DESIGNATED FOR THE FUEL PRESSURE.** The wires/terminals on the back of the gauge will short out on the steel support tubes and cause a fire hazard.

1. Use only the installation components provided with the gauge.
2. **Do not cut hole in firewall. Use hole already provided.**
3. Refer to the short sweep electric gauge installation (Fuel Level Gauge) for installing the fuel level gauge.
4. Use # 8 Ring terminals. Ring terminals must be both crimped and soldered to the circuit wires. This will avoid inaccurate gauge readings from increased resistance in the connection.
5. This gauge is designed to work with a gas tank sender that has 33 ohms when full and 240 ohms when empty.

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## **VOLTMETER**

The voltmeter gauge is installed directly above the speedometer.

1. Use only the installation components provided with the gauge.
2. **Do not cut hole in firewall. Use hole already provided.**
3. Refer to the short sweep electric gauge installation (voltmeter level Gauges) for installing the voltmeter gauge.
4. **WARNING: DO NOT CONNECT THE VOLTMETER ACROSS THE BATTERY.**
5. Use # 8 Ring terminals. Ring terminals must be both crimped and soldered to the circuit wires. This will avoid inaccurate gauge readings from increased resistance in the connection.