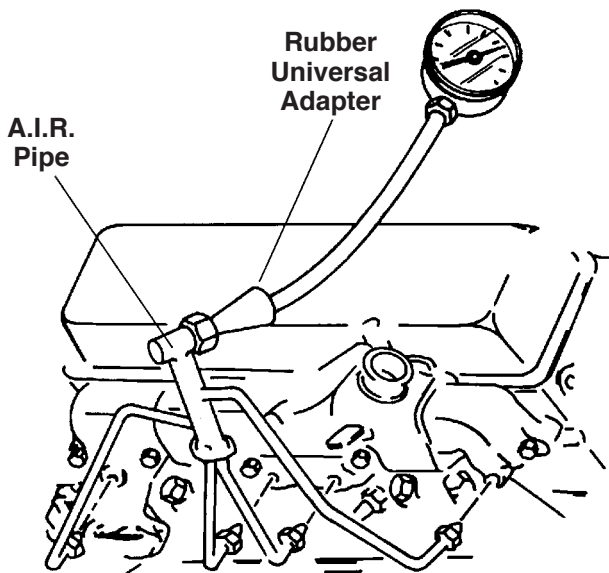


## Exhaust Back Pressure Gauge

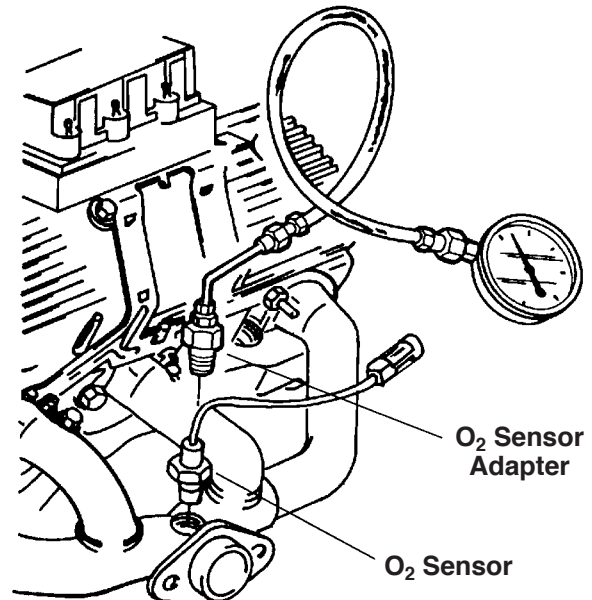
### Testing at the A.I.R. Pipe

1. Remove the rubber hose at the exhaust manifold A.I.R. check valve. Remove the check valve.
2. Install the rubber universal adapter to the end of the back pressure hose.
3. Insert the universal adapter into the exhaust manifold A.I.R. pipe.

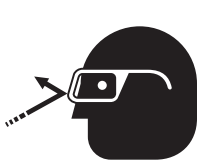


### Testing at the O<sub>2</sub> Sensor

1. Remove the O<sub>2</sub> sensor from the exhaust.
2. Install the O<sub>2</sub> adapter to the end of the back pressure hose.
3. Install the back pressure gauge assembly into the exhaust.



4. With the engine idling at normal operating temperature, read the gauge to determine the back pressure. The reading should not exceed 1-1/4 PSI.
  - **If the reading exceeds 1-1/4 PSI**, the vehicle has restricted exhaust. Stop the test and repair the restriction, because accelerating the engine at this point could damage the gauge.
  - **If the reading does not exceed 1-1/4 PSI**, accelerate the engine to 2500 RPM while watching the gauge. The reading should not exceed 3 PSI. If the reading exceeds 3 PSI, the vehicle has restricted exhaust. Repair the restriction.



**Warning:** To prevent personal injury, wear eye protection that meets ANSI Z87.1 and OSHA standards.