

# Chapter 24

## Oxygen Sensors

Find the words in the grid. Words can go across, down and in two diagonals.

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R E F E R E N C E T C K X X V Q T R T J R D L Q
A M B I E N T S I D E E L E C T R O D E N T H J
R N E Q R E F E R E N C E E L E C T R O D E H T
T K Y X S I G N A L E L E C T R O D E F N C X L
K I T M H T N N F P F L L W H Q T Z T T I B L M
K Z T R K A M B R Y O P E N L O O P R R N T C G
B N K A T K U L J V L J H K K T N O E G Z M N Q
G D D W N V R S R L P W V F A G S S I Z L Y R K
C D G Z Y I G J T Y T T D I I N L S N J N L Q T
L K N R J N A D M S R T N S E A E N L V D I F R
O B Q G T M Z J K N I O E S F D K L Y T R G A Q
S S I T M Z P H N L C D O P P P E T G W R H L O
E I L A M G C X L R E I E U L C W B L I Q T S X
D N C K S V K Z I L T F C E P A G Z C D J O E Y
L G J N P V N Z B A L M U M L B N Y T E X F L G
O L D M Z N O M R L G B U E B E N A V B K F E E
O E G Y T B I L E K R P M R L R C D R A W T A N
P C L M X H E C T R K L X W N T P T X N Z I N S
F E M D T U T Y T A V F K W H R R K R D W M N E
Q L P K F S T V M N G F C G X L R I Z O N E F N
T L W R N R J P M R Z E K N Q G T Q M W D F H S
P G I R R F I N G E R D E S I G N T K T X E Y O
W A E H Q G L B T Q L Z X R D U A L C E L L J R
T N H R N V R R W L K D T T T X G T N X T Q R S
  
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|------------------------|----------------|---------------------|
| Air fuel ratio sensor  | Finger design  | Reference electrode |
| Ambient side electrode | Fuel trim      | RTV                 |
| Bias voltage           | Light off time | Signal electrode    |
| Closed loop            | Nernst cell    | Single cell         |
| Cup design             | Open loop      | Thimble design      |
| Dual cell              | Oxygen sensors | Titania             |
| Exhaust side electrode | Planar         | Wide band           |
| False lean             | Pump cell      | Zirconia            |
| False rich             | Reference      |                     |