

Chapter 17 Oxygen Sensors

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

H L N J M P R E F E R E N C E E L E C T R O D E
 X B N G X R N R Z U D X D U A L C E L L J B M L
 K H I T V K M C L M E N Y V C R M E D F C Y V R
 P F N A P L X H T R G L M W W W D M X L K L O Y
 P D A T S K N D N I F D T R B O L R V M T S T P
 U C Z L M V D F S C K L G R R K N K T H N R M T
 M B J F S T O E V P C N B T I G D F W E R L L Q
 P Q Y C R E D L C M V L C N I M A L S L S N K Q
 C V L T H R L X T D K E L S W I V O G R H X D R
 E M L M E T N E T A L T E M N V I P O F C P R T
 L Q D G Z N M J A E G D X O F T L S T A N C L D
 L T N F R Y Z X L N P E C Z A L N G K L J L I C
 T I I Z P Y N A H U V R Q R E E W K D S X O G N
 F R K T R L N D C L I F L C S M J T B E S S H W
 L L T K A G A H N Z F E T N R X H N L R I E T D
 K R M V I N N N Z T U S E G G F F R N I N D O W
 N K R S M C I M A F N G P D D W H N C C G L F I
 B P V J T L G A R R Y L T K C Y T M H H L O F D
 N N K D K M W I E X L V R E F E R E N C E O T E
 N W W W W Q A N O F C T W T P Y R C Z G C P I B
 A M B I E N T S I D E E L E C T R O D E E H M A
 V C K D T H I M B L E D E S I G N P Z Y L D E N
 W X L N K L O P E N L O O P L T N J T X L C T D
 D D P E X H A U S T S I D E E L E C T R O D E M

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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 | |