

# Chapter 18 Ignition System Operation and Diagnosis

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

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

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|-----------------------|----------------------|--------------|
| Coil on plug ignition | Ion sensing ignition | Spark knock  |
| Companion cylinders   | Iridium spark plugs  | Spark plugs  |
| Detonation            | Knock sensors        | Spark tester |
| Distributor ignition  | Pickup coil          | Switching    |
| Electronic ignition   | Ping                 | Track        |
| Firing order          | Platinum spark plugs | Transistor   |
| Hall effect           | Primary winding      | Trigger      |
| Ignition coil         | Schmitt trigger      | Turns ratio  |
| Ignition timing       | Secondary winding    |              |