# Chapter 15 Gasoline Engine Operation

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

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

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|---|---|---|---|
| block | connecting rod | four stroke cycle | piston stroke |
| bore | crankshaft | intake valve | pushrod engine |
| bottom dead center | cycle | internal combustion engine | rotary engine |
| boxer | cylinder | mechanical force | single overhead camshaft |
| cam in block design | cylinder block | mechanical power | stroke |
| camshaft | displacement | naturally aspirated | supercharger |
| combustion | double overhead camshaft | oil galleries | top dead center |
| combustion chamber | exhaust valve | overhead valve | turbocharger |
| compression ratio | external combustion engine | pancake | wankel engine |