

Chapter 11

Gasoline Engine Operation, Parts, And Specifications

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

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

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| Block | Crankshaft | Mechanical force | Rotary engine |
| Bore | Cycle | Mechanical power | Single overhead camshaft |
| Bottom dead center | Cylinder | Naturally aspirated | Stroke |
| Boxer | Displacement | Nonprincipal end | Supercharger |
| Cam in block design | Double overhead camshaft | Oil galleries | Top dead center |
| Camshaft | Exhaust valve | Overhead valve | Turbocharger |
| Combustion | External combustion engine | Pancake | Wankel engine |
| Combustion chamber | Four stroke cycle | Piston stroke | |
| Compression ratio | Intake valve | Principal end | |
| Connecting rod | Internal combustion engine | Pushrod engine | |