

Chapter 1

Automotive Background And Overview

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

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

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| Air filter | Inline engine | Pillars |
| Body | Intake manifold | Positive crankcase ventilation |
| Body on frame | Internal combustion engine | Propeller shaft |
| Carbon monoxide | Malfunction indicator lamp | Radiator |
| Catalytic converter | Manufacturers suggested retail price | Scan tool |
| Chassis | OBD II | Self propelled vehicle |
| Coolant | Oil filter | Single overhead camshaft |
| Double overhead camshaft | Oil galleries | Thermostat |
| Drive shaft | Oil pan | Transaxle |
| Evaporative emission system | Oil pump | Transfer case |
| Exhaust gas recirculation | Oil sump | Unibody |
| Flat head | Overhead cam | Universal joints |
| Frames | Overhead valve | Water jackets |
| Hydrocarbon | Oxides of nitrogen | Water pump |
| Ignition control module | PCV valve | |