

Chapter 28 Camshafts And Valve Trains

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

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

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|------------------------|--------------------------|-------------------|--------------------------|
| Aerated | Finger follower | Lobe spread | Single overhead camshaft |
| Asymmetrical | Flat link type | Morse type | Solid valve lifter |
| Bucket | Freewheeling engine | Oil control valve | Symmetrical |
| Cam chucking | Hydraulic lash adjusters | Overhead camshaft | Thrust plate |
| Cam follower | Hydraulic valve lifter | Overhead valve | Total indicator runout |
| Cam in block | Interference engine | Pump up | Valve cam phases |
| Camshaft bearings | Lobe | Ramp | Valve float |
| Camshaft duration | Lobe centers | Roller chain type | Valve lash |
| Composite camshaft | Lobe displacement angle | Scavenging | Valve overlap |
| Double roller chain | Lobe lift | Seat duration | Variable valve timing |
| Dual overhead camshaft | Lobe separation | Silent chain type | VTEC |