

Chapter 52

Cranking System

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

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

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|------------------------|-----------------------|------------------|
| AE starter | Field coils | PM starter |
| Armature | Field housing | Pole shoes |
| Brush end housing | Field poles | Pull in winding |
| Brushes | Ground brushes | RVS |
| CEMF | Hold in winding | Starter drive |
| Commutator end housing | Insulated brushes | Starter solenoid |
| Commutator segments | Mesh spring | Through bolts |
| Compression spring | Neutral safety switch | TS Starter |
| Drive end housing | Overrunning clutch | |
| Engine stop start | PE starter | |