

# Chapter 17 Cranking System

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

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

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