

# Chapter 64 Manual Transmissions/Transaxles

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

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

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|--------------------|-------------------------|----------------------------|-------------------------|
| Axis               | Driven gear             | Internal ring gears        | Sliding reverse gear    |
| Back taper         | Extension housing       | Keys                       | Sliding sleeve          |
| Bell housing       | External gears          | Lay shaft                  | Springs                 |
| Bevel gear         | Fifth gear              | Main drive pinion assembly | Spur gear               |
| Blocker ring       | Final drive assembly    | Main gear                  | Stop ring               |
| Cluster gears      | First gear              | Main shaft                 | Synchronizer assemblies |
| Cluster shaft      | Fourth gear             | Neutral                    | Synchronizer keys       |
| Clutch             | Front bearing retainers | Output shaft               | Synchronizer ring       |
| Constant mesh gear | Gear reduction          | Overdrive                  | Third gear              |
| Counter gears      | Helical gear            | Pinion gear                | Transmission case       |
| Countershaft       | Hub                     | Quill                      |                         |
| Direct drive       | Hypoid gear set         | Reverse                    |                         |
| Drive gear         | Input shaft             | Second gear                |                         |