

# Chapter 6 Suspension System Components and Operation

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

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

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|-----------------------|--------------------------|------------------------------|-------------------|
| Air spring            | Full frame               | Non load carrying ball joint | Stabilizer bars   |
| Anti dive             | GWV                      | Perimeter frame              | Steering knuckles |
| Anti squat            | Hookes Law               | Platforms                    | Stress riser      |
| Ball joints           | Independent suspension   | Rebound clips                | Strut rod         |
| Bulkhead              | Insulators               | Shackles                     | Struts            |
| Bump stop             | Kingpin                  | Shock absorbers              | Stub type frame   |
| Center bolt           | Ladder frame             | Space frame                  | Torsion bar       |
| Coil springs          | Lateral links            | Spring pocket                | Unit body         |
| Composite leaf spring | Leaf springs             | Spring rate                  | Unsprung weight   |
| Control arms          | Load carrying ball joint | Springs                      | Wheel rate        |
| Cradle                | Mono leaf                | Sprung weight                |                   |