

FRONT - INDEPENDENT FRONT SUSPENSION

DESCRIPTION

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The front suspension is designed to allow each wheel to adapt to different road surfaces independently. The wheels are mounted to hub/bearings units bolted to the steering knuckle. The double-row hub bearings are sealed and lubricated for life. The steering knuckles turn (pivot) on ball joints.

The front suspension is comprised of (Fig. 1) (Fig. 2):

- Shock absorbers
- Torsion bar - 4X4 (LD only)
- Coil Spring - 4X2
- Control arms
- Steering knuckles
- Stabilizer bar
- Stabilizer link
- Tie Rod Ends
- Hub/Bearing
- Rack & Pinion
- Ball Joints

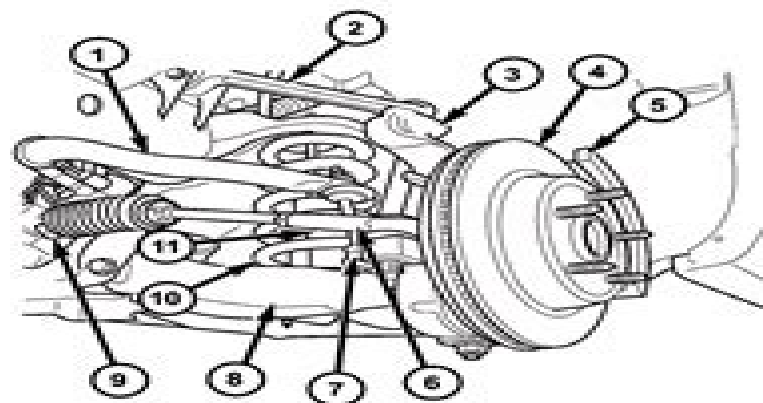


Fig. 1 FRONT SUSPENSION - 4X2

- 1 - STABILIZER BAR
- 2 - UPPER CONTROL ARM
- 3 - STEERING KNUCKLE
- 4 - ROTOR
- 5 - CALIPER ADAPTER
- 6 - OUTER TIE ROD END
- 7 - STABILIZER LINK
- 8 - LOWER CONTROL ARM
- 9 - RACK & PINION
- 10 - COIL SPRING
- 11 - SHOCK ABSORBER

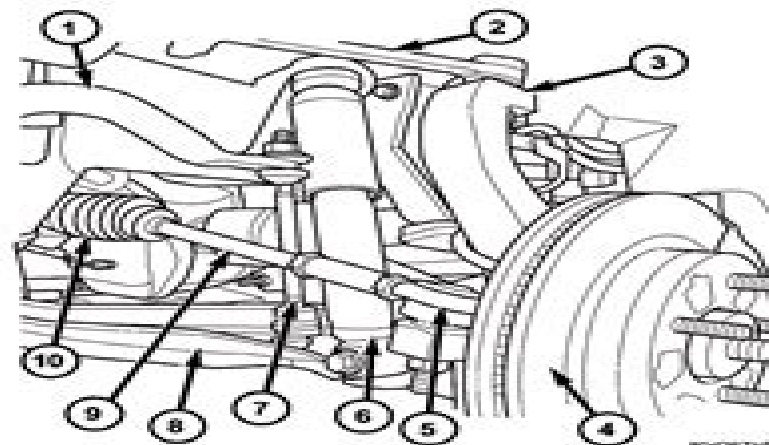


Fig. 2 FRONT SUSPENSION - 4X4 (LD ONLY)

- 1 - STABILIZER BAR
- 2 - UPPER CONTROL ARM
- 3 - STEERING KNUCKLE
- 4 - ROTOR
- 5 - OUTER TIE ROD END
- 6 - SHOCK ABSORBER
- 7 - STABILIZER LINK
- 8 - LOWER CONTROL ARM
- 9 - INNER TIE ROD
- 10 - RACK & PINION

NOTE: Components attached with a nut must be torqued to specification.

NOTE: Suspension components with rubber/urethane bushings should be tightened with the vehicle at normal ride height. It is important to have the springs supporting the weight of the vehicle when the fasteners are torqued. If springs are not at their normal ride position, vehicle ride comfort could be affected and premature bushing wear may occur.

DESCRIPTION

The upper control arm bolts on frame brackets. The frame brackets have slotted holes which allow the arms to be adjusted for caster and camber.

The lower control arms bolt to the lower frame brackets and pivots through bushings.

The control arms have lube for life ball studs. The control arm travel (jounce) is limited through the use of rubber/urethane bumpers. Rebound travel is limited by the shock absorber.

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Table of Contents 2003 Dodge Ram Truck Service And Repair Manual

1. Understanding the eBook 2003 Dodge Ram Truck Service And Repair Manual
 - The Rise of Digital Reading 2003 Dodge Ram Truck Service And Repair Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying 2003 Dodge Ram Truck Service And Repair Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an 2003 Dodge Ram Truck Service And Repair Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from 2003 Dodge Ram Truck Service And Repair Manual
 - Personalized Recommendations
 - 2003 Dodge Ram Truck Service And Repair Manual User Reviews and Ratings
 - 2003 Dodge Ram Truck Service And Repair Manual and Bestseller Lists

5. Accessing 2003 Dodge Ram Truck Service And Repair Manual Free and Paid eBooks
 - 2003 Dodge Ram Truck Service And Repair Manual Public Domain eBooks
 - 2003 Dodge Ram Truck Service And Repair Manual eBook Subscription Services
 - 2003 Dodge Ram Truck Service And Repair Manual Budget-Friendly Options
6. Navigating 2003 Dodge Ram Truck Service And Repair Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - 2003 Dodge Ram Truck Service And Repair Manual Compatibility with Devices
 - 2003 Dodge Ram Truck Service And Repair Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of 2003 Dodge Ram Truck Service And Repair Manual
 - Highlighting and Note-Taking 2003 Dodge Ram Truck Service And Repair Manual
 - Interactive Elements 2003 Dodge Ram Truck Service And Repair Manual
8. Staying Engaged with 2003 Dodge Ram Truck Service And Repair Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers 2003 Dodge Ram Truck Service And Repair Manual
9. Balancing eBooks and Physical Books 2003 Dodge Ram Truck Service And Repair Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection 2003 Dodge Ram Truck Service And Repair Manual
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine 2003 Dodge Ram Truck Service And Repair Manual
 - Setting Reading Goals 2003 Dodge Ram Truck Service And Repair Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of 2003 Dodge Ram Truck Service And Repair Manual
 - Fact-Checking eBook Content of 2003 Dodge Ram Truck Service And Repair Manual
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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