

# Chassis Parts

GOLD

ACDelco Gold Chassis Parts are the high-quality alternative to OE parts. All ACDelco Gold Chassis parts undergo impact, wear and fatigue testing for quality and durability. These parts are manufactured to meet expectations for fit, form and function making them a **smart choice for General Motors vehicles, as well as most non-GM makes and models.**

## BALL JOINTS connect your vehicle's control arm to its steering knuckle

- Premium coatings on housing and stud to provide corrosion resistance, galvanic corrosion protection and easier service
- Greased fitting provides lubrication helping to extend socket life
- Induction hardened stud helps improve fatigue strength
- Castle nut and cotter pin included where possible for easier installation
- Integrated dust boot available on certain vehicle applications for easier installation
- Polyurethane and neoprene dust boots
- One-piece forged housing for strength
- Hardware included



## CONTROL ARMS connect your vehicle's steering knuckle to its frame, and allow the suspension to move, keeping the vertical motion of your vehicle's wheels synchronized in relation to its body.

- Painted/E-coated to help resist rust
- Full-ball type studs use cold-formed\* manufacturing to help maintain close tolerances
- Premium material provides performance and durability
- Premium advanced technology product recommended for fleet and light truck applications



## CONTROL ARM BUSHINGS isolate the control arm from your vehicle's frame.

- Metal sleeve/rubber bushing design supports proper alignment, stability, and durability



GMC

Chevrolet

Cadillac

Buick

KIA

Ford

Volkswagen

Toyota

Ram

Limited Lifetime Warranty: Our most common Parts Warranty offers coverage on the majority of our Genuine GM Parts and ACDelco service replacement parts. Effective on parts purchased February 3, 2020 and later to the original retail purchaser. Contact your ACDelco part supplier for limited warranty part details and qualifications.

LIMITED  
LIFETIME  
WARRANTY

45-SS-1245-22E\_CA22-A-EN

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**PITMAN ARMS** connect your vehicle's steering gear to the steering linkage. Steering Pitman Arms are manufactured to provide a stable pivot point with the least amount of friction.

- Forged arm for maximum strength
- Bearing design minimizes endplay
- Studs use cold-formed manufacturing to maintain very close tolerances\*



**STEERING IDLER ARMS** serve as a pivot point for the steering linkage assembly in your vehicle. The steering idler arm is attached on the opposite side of the center link from the Pitman arm and to the vehicle frame, which supports the center link.

- Boot helps prevent contamination and maintain lubrication
- One-piece forged stud for strength and fatigue resistance\*
- Low-friction bearing for ease of rotation
- Full-ball type studs use cold-formed manufacturing to maintain very close tolerances\*



**TIE ROD ENDS** connect your vehicle's steering linkage to the steering knuckle.

- Consistent torque for smooth operation
- Full ball stud
- Dust boot is installed and attached to minimize contamination
- Most tie rod dust boots are neoprene
- Synthetic dust boots used for truck applications to help resist cracking splitting and dry rot



**STEERING CENTER AND DRAG LINKS** controls left and right linkage movement.

- Case-hardened studs and rolled threads
- Heat-treated forgings for durability
- Constant-torque pivot joints for maximum/optimum performance



GMC Chevrolet Cadillac Buick KIA Ford Volkswagen Toyota Ram

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