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AUQDD K642208 K642988 524-024 524-023

AUQDD 8-Piece Front Suspension Kit Instruction Manual

For Lexus LS460 (2007-2017 RWD Models Only)

1. Product Overview

This AUQDD 8-piece front suspension kit is designed to replace worn or damaged control arms and ball joints in compatible Lexus LS460 vehicles. Control arms are critical components of a vehicle's suspension system, allowing the wheels to move vertically in response to road conditions while maintaining proper alignment and stability. They typically feature bushings on the frame side and a ball joint on the wheel side, facilitating controlled movement and flex.



Figure 1: Overview of the AUQDD 8-piece Front Suspension Kit, including various control arms and ball joints.

2. Compatibility Information

This suspension kit is specifically designed for the following vehicle models:

- **Lexus LS460:** 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017
- **Important Note:** This kit is compatible with Rear-Wheel Drive (RWD) models only. It is not suitable for All-Wheel Drive (AWD) models.

Before installation, verify compatibility by checking your vehicle's year, make, and model. Refer to the original equipment manufacturer (OEM) part numbers for cross-reference if necessary.

3. Package Contents

The AUQDD 8-piece Front Suspension Kit includes the following components:

- 1x Front Left Lower Forward Control Arm (K622209 / 102-7646)
- 1x Front Right Lower Forward Control Arm (K622207 / 102-7647)
- 1x Front Lower Rearward Control Arm (K642208 / 102-7632)
- 1x Front Lower Rearward Control Arm (K642988 / 102-7633)
- 1x Front Upper Forward Control Arm (524-027 / 102-7634)
- 1x Front Upper Forward Control Arm (524-028 / 102-7635)
- 1x Front Upper Rearward Control Arm (522-785 / 102-7636)
- 1x Front Upper Rearward Control Arm (522-786 / 102-7637)



Figure 2: Front Lower Forward Control Arms (K622209, K622207).



Figure 3: Front Lower Rearward Control Arms (K642208, K642988).



Figure 4: Front Upper Forward Control Arms (524-027, 524-028).



Figure 5: Front Upper Rearward Control Arms (522-785, 522-786).

4. Specifications

Attribute	Detail

Attribute	Detail
Brand	AUQDD
Model	Suspension Kit (K642208 K642988 524-024 524-023)
Material	Alloy Steel
Auto Part Position	Front, Lower, Upper
Fit Type	Vehicle Specific Fit (RWD Models Only)
Item Weight	Approximately 29.4 pounds (total package)
Product Dimensions	21.65 x 11.81 x 5.71 inches (package)
OEM Part Numbers	2607890 CK642208 RK642208 48640-50070, 48620-50070 4862050070, 4864050070 2607891 CK642988 RK642988, CMS861075 102-7633 102-7632 CMS861076
Manufacturing Standard	ISO9010 certified facility, meets or exceeds OE specifications

5. Installation Guidelines (Setup)

Installation of suspension components requires specialized tools, knowledge, and adherence to safety protocols. It is highly recommended that this kit be installed by a certified professional mechanic.

5.1. Safety Precautions

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on a lift or jack stands on a level surface. Never work under a vehicle supported only by a jack.
- Disconnect the vehicle's battery before beginning work to prevent accidental electrical discharge.
- Refer to the vehicle's specific service manual for detailed torque specifications and removal/installation procedures for each component.

5.2. General Installation Steps (Professional Installation Recommended)

1. **Preparation:** Lift and secure the vehicle. Remove the wheels.
2. **Component Removal:** Carefully remove the old control arms and ball joints. This may involve disconnecting tie rods, sway bar links, and other suspension components. Note the orientation and position of each part.
3. **Inspection:** Inspect surrounding components (bushings, mounts, steering components) for wear or damage and replace as necessary.
4. **New Component Installation:** Install the new AUQDD control arms and ball joints in the reverse order of removal. Ensure all components are correctly oriented.
5. **Torque Specifications:** Tighten all fasteners to the vehicle manufacturer's specified torque values. This is critical for safety and performance.
6. **Final Assembly:** Reinstall any disconnected components and wheels.
7. **Post-Installation Alignment:** A professional wheel alignment is mandatory after replacing suspension components. This ensures proper steering, tire wear, and vehicle handling.

6. Operating Considerations

Once the AUQDD suspension kit is properly installed and a wheel alignment has been performed, your vehicle's handling and ride quality should be significantly improved. Pay attention to the following during operation:

- **Initial Driving:** Drive cautiously for the first few miles to allow the new components to settle.
- **Noise and Vibration:** Monitor for any unusual noises (clunking, squeaking) or vibrations. These could indicate an issue with installation or a faulty component.
- **Steering Response:** Note any changes in steering feel, such as looseness or excessive play.
- **Braking Performance:** Ensure braking remains stable and straight.

Any persistent unusual symptoms should be addressed by a qualified mechanic immediately.

7. Maintenance

Proper maintenance extends the life of your suspension components and ensures safe vehicle operation. While the AUQDD suspension kit is designed for durability, regular checks are recommended:

- **Regular Inspections:** Periodically inspect the control arms, ball joints, and bushings for signs of wear, cracks, tears, or excessive play. This can be done during routine oil changes or tire rotations.
- **Wheel Alignment:** Have your vehicle's wheel alignment checked annually or whenever you notice uneven tire wear or steering issues.
- **Tire Rotation:** Regular tire rotation helps identify uneven wear patterns that might indicate suspension issues.
- **Cleanliness:** Keep suspension components free from excessive dirt, salt, and debris, which can accelerate wear.

8. Troubleshooting

If you experience any of the following symptoms after installation or during normal operation, it may indicate a suspension issue:

Symptom	Possible Cause / Action
Clunking or Popping Noises	Loose fasteners, worn ball joints, or worn bushings. Re-torque fasteners, inspect components.
Squeaking or Groaning Noises	Worn bushings or lack of lubrication (if applicable). Inspect and replace worn parts.
Uneven Tire Wear	Misalignment, worn ball joints, or worn bushings. Perform wheel alignment, inspect components.
Loose or Wandering Steering	Excessive play in ball joints or bushings. Inspect and replace worn parts.
Vehicle Pulling to One Side	Misalignment or uneven wear in suspension components. Perform wheel alignment, inspect components.

For any persistent or severe issues, consult a qualified automotive technician.

9. Warranty and Support

AUQDD stands behind the quality of its products. This suspension kit is backed by a**12-month warranty** from the date of purchase.

If you have any questions regarding product suitability for your vehicle, installation, or require technical assistance, please contact AUQDD customer support. Provide your product model number and purchase details for efficient service.

For further information or to contact support, please visit the official AUQDD store or contact the seller directly through your purchase platform.

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