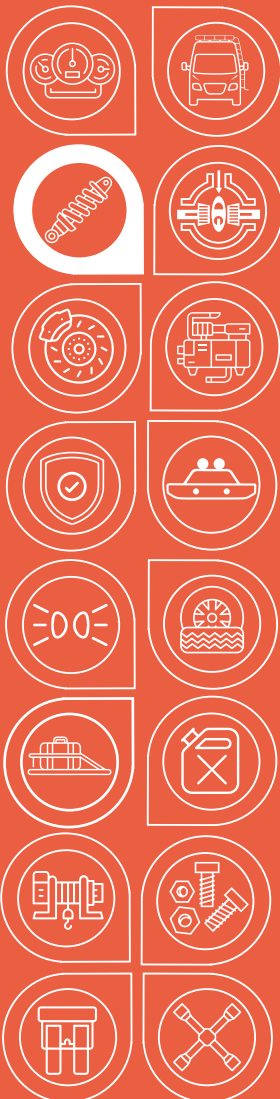




**AGILE  
OFFROAD**  
SMARTER THAN DIRT



## Installation Guide

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3500 REPLACEMENT LEAF SPRING  
SHACKLE

S24-1005

## INSTALLATION GUIDE

### DURABLE REPLACEMENT SHACKLE FOR ADDED CLEARANCE

3500 REPLACEMENT LEAF SPRING SHACKLE



This heavy-duty steel shackle is designed to prevent leaf spring contact with the OEM shackle while providing two mounting positions for up to 0.5 inches of additional lift. Built from 1/4-inch steel plate and finished in a durable powder coat, it delivers long-lasting performance in demanding conditions.

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#### SKU

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S24-1005

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#### PARTS INCLUDED

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2 x AO 3500 Shackle

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#### TOOLS NEEDED

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18mm Socket/Wrench

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21mm Socket/Wrench

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24mm Socket Wrench

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Vehicle Lift

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Hydraulic Jack

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#### INSTALLATION TIME

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1 Hour

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Refer to the Owner's Manual for proper jacking points. Use a lift to support the vehicle using Mercedes recommended safety procedures.

## INSTALLATION GUIDE



**1.** Safely lift the vehicle using the Mercedes recommended lift points. Use an 18mm wrench and socket to remove the two sway bar nuts and bolts.



**2.** Use a hydraulic jack to support the axle.



**3.** Use a 21mm wrench and socket to remove the two lower shock bolts.



**4.** Use a 24mm wrench and socket to remove the upper and lower shackle nuts.



**5.** Carefully adjust the hydraulic jack up or down as necessary to relieve the bolt tension at the rear shackle. Remove the lower shackle bolt and then lower the rear axle.



**6.** Remove the upper shackle bolt and completely remove the factory shackle.

## INSTALLATION GUIDE



**7.** Install the new AO Shackle using the factory upper bolt.



**8.** Carefully adjust the hydraulic jack up as necessary to align the leaf spring with the desired shackle bolt holes. Do not fully tighten shackle nuts and bolts. Repeat the shackle installation on the opposite side.



**9.** Re-install the lower shock and the sway bar hardware. Torque shock bolts to 81 ft/lbs. Torque sway bar bolts to 40 ft/lbs.



**10.** Carefully lower and remove the hydraulic jack and then lower the vehicle to the ground. Let the suspension settle and then fully tighten the upper and lower shackle hardware. Torque to 65 ft/lbs.







Interior



Exterior



Suspension



Air Locker &  
Drivetrain



Steering &  
Brakes



Air  
Compressors



Armor &  
Protection



Bumpers



Lighting



Wheels &  
Tires



Storage &  
Racks



Water &  
Fuel Tanks



Winches &  
Recovery



Replacement  
Parts &  
Accessories



Electrical



Tools

