



3-97

PART # FK1027-97

INSTALLATION INSTRUCTIONS

1995-2000 ASTRO\SAFARI VAN REAR AXLE FLIP KIT WITH STEEL REAR LEAF SPRINGS ONLY!!

Please take the time to read these INSTALLATION INSTRUCTIONS and check the Hardware Parts List to be sure you have all the listed parts, and the tools necessary to safely complete the installation! To activate your warranty please read the warranty card enclosed, fill out your Product Warranty Card and mail it to DJM Suspension.

Please take a few minutes to fill out your installation helper (back side of warranty). Accurate measurements BEFORE BEGINNING INSTALLATION will show any irregularities from side to side of your vehicle.

NEVER WORK UNDER TRUCK SUPPORTED BY A JACK ONLY !!!
USE QUALITY JACK STANDS WHICH HAVE A RATING ADEQUATE FOR YOUR TRUCKS WEIGHT!!!

NEW SHOCKS DJM PART #ARS01 ARE REQUIRED. FACTORY SHOCKS WILL BE TOO LONG.

Hardware Parts List:

Rear Axle Kit

- 2- Axle Locator Brackets
- 2- Spring Plates (5 Hole)
- 2- 1½" x 20 U-Bolts
- 4- 1½" x 13 x 4.5" Bolts
- 4- 1½" x 13 Nylock Nuts
- 4- 1½" x 20 Nylock Nuts
- 8- 1½" SAE Flat Washers
- 4- 9-16" X2.875" Spacer Tubes
- 2- Bump Stops

Spring Hanger Kit

- 2- Spring Eye Hangers
- 2- 1½" x 6" Bolts
- 4- 1½" x 1-1½" Bolts
- 6- 1½" Nylock Nuts
- 12- 1½" Washers

Shackle Kit

- 2- Spring Shackles w\bushings

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Part # FK1027-97 cont.

- 1) Park your van on flat level surface. Chock the front wheels. Loosen lug nuts. Raise the rear with a floor jack in the center of the rear axle. Support the frame with jack stands. Lower axle to release the tension on the rear springs. Remove rear wheels.

NOTE : ALWAYS USE JACK STANDS - NEVER RELY ON JACKS ONLY!!

- 2) Be sure the axle is supported by floor jack. Remove the two bolts holding the front spring eyes to mount. These bolts will be reused when you reassemble the spring to mount.
- 3) Remove the bottom bolts on the rear shackles. Remove the upper bolts from the shackles, and remove the shackles from the van. Save the hardware, you will need them to install your new DJM shackles.
- 4) Remove U-bolts and hardware attaching the rear axle to the leaf springs. Remove the leaf spring. Remove the axle mounting brackets from the rear axle. **DO NOT** modify or remove the rubber isolators bonded to the rear leaf springs. Remove rear shocks.
- 5) Next install the front spring eye hanger. Slide the new hanger over the existing one, with the hole in the wide end to the front of van. Attach with 1½" x 1-1½" bolts, washers and nuts. Tighten bolts to 75-80 ft/lbs.
- 6) Slide the rear springs under the rear axle. Attach front spring eye to new hanger 1½" x 6" bolts. You may need to raise the axle housing. Do not tighten.
- 7) Now install your new DJM shackle. Shackle must be installed with bushing side up and leaf spring holes down and to the rear. Bolt shackle to the frame mount using original hardware. Lift the spring into the bottom portion of the new shackles and insert factory bolts. There are two holes for the spring eyes. Start with the hole farthest from the bushing. If you want the back a little lower use the other hole. **Note - snug these bolts only, you will tighten later.**
- 8) Install axle locators on top of the rubber isolators on rear spring. **Note-the rubber ribs will fit into the recess of the axle locator brackets.** Lower the rear axle assembly into place on top of the axle locator being careful the steel brake lines are clear. The axle locator brackets vertical tabs should rest in the bracket welded to the axle. **Note - be sure the vertical tabs are seated inside the axle bracket.**
- 9) Install your new U-bolts over the axle and through the new axle locator brackets. Place the new spring retainer plate (5 hole) under the spring, the U-bolt will go through holes in plate and secure with ½" x 20 nuts (**DO NOT TIGHTEN**). Insert 9/16" X 2.875" spacer tubes between factory axle bracket and DJM axle locators and install ½" x 4.5" bolts through the axle support bracket, spacer and spring plate and secure with ½" x 13 nuts. (**DO NOT TIGHTEN**).
- 10) Lower the floor jack completely so the axle assembly is in its lowest position. Check the axle location again. Also double check the brake line clearance.
- 11) When you are satisfied with the installation and step 10 is complete, tighten all nuts and bolts at the spring hanger, spring shackle, and axle locator brackets. Install new shocks. Install bump stops above axle. **Now double check all bolts! Don't miss any!!!**
- 12) Install wheels and torque wheel lug nuts and your ready to roll. **After a few hundred miles, check all the bolts to be sure they are tightened properly.**

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