



Global West Suspension
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L-10CAT5R and L-11CAT5R LEAF SPRING AND & SHACKLE KIT INSTALLATION.

Parts list:

4 Shackle halves	4 ½ x20 stove lock nuts
2 Aluminum bushing inserts	2 Aluminum frame bushings
4 (1/2 x 20 x 4 ½) bolts	2 rear frame bushing steel pins
2 Long grease fittings	2 Front spring eyelet housings with bearing
4 (.285) thick thrust washers	2 Rear spring eyelet housings with bearings
2 Steel retaining sleeves (small)	2 Rear housing retaining rings
2 Front housing retaining rings	2 steel bearing retaining sleeves (large)
4 Steel bearing spacers (rear eyelet)	4 Steel bearing spacers (front eyelet)

We recommend a competent shop install this kit because presswork and welding is required.

1. Remove rear springs from the vehicle. A Mitchell or Chilton's or factory service manual can be used, if you require assistance.
2. Remove the original rubber shackle bushings from the car's frame and thoroughly clean the frame holes removing all rust and dirt to allow for easy installation of the new bushing housing.
3. Locate in your kit two aluminum bushings. Each bushing has a hole drilled in it. This bushing is pressed into the frame bushing housing. The hole in the bushing goes to the outside of the car.

Note: For best results we use 1/2 inch All-Thread rod and two flat plates / washers to pull the bushing into the frame. All-thread is a rod that is threaded the entire length. It is found at most hardware stores.

Align the grease-fitting hole at an angle about 70 degrees pointing down in the frame. This angle allows easy access to the grease fitting after the assembly is complete. Install the bushing into the frame till it goes flush with the other side of the frame.

Take a #3 drill bit (.210 diameter) and drill a hole into the frame housing intersecting the hole in the bushing you just pressed in.

4. Thread the hole with a 1/4 x 28 tap and install the grease fitting supplied in your kit. Clean out any metal chips in the bushing before installing the white plastic insert.

5. The rear frame inserts have a long steel pin inside of them. Slide the pin out of the insert and lubricate the insert inside and out. Slide the pin back in the insert and install it in the bushing housing. Next locate in your kit 2 thrust washers .285 thick; you should have 4 of them. Install one thrust washer on each side of the bushing over the protruding pin. Thrust washers generally tap on with a dead blow hammer.
6. Do the other side the same way.
7. The front and rear leaf spring bearings and spacers are already installed in the leaf. Slide the front of the leaf up into the mount and install the ½ inch bolt. Tighten the bolt torque to 70 foot pounds.
8. Take one shackle halve with a ½ x 20 x 4 ½ inch bolt and slide it through a shackle plate and then through the frame bushing. Pick the rear of the leaf up and slide another ½ inch bolt through the shackle plate and through the leaf spring.
9. Take a shackle plate and install it on the other side of the leaf spring completing the assembly. Using the ½ inch lock nuts supplied in the kit, tighten down the bolts to 70 foot pounds.
10. Do the other side the same way.
11. Assemble the rear differential to the springs accordingly.
12. Lubricate the frame bushings via their grease fittings!

Global West Suspension Components Inc. also offers the following items for your application.

SUBFRAMES AND SUPPORTS	TUBULAR CONTROL ARMS UPPER AND LOWER	SUSPENSION PACKAGES
FRONT SPRINGS	REAR SPRINGS	SWAY BARS
TUBULAR TIE ROD SLEEVES AND ADJUSTABLE STRUT RODS	SHOCKS	DISC BRAKES UP TO 13 INCH