



## 61-93 Dodge 1/2, 3/4 & 1 Ton Installation Instructions

### REQUIRED TOOL LIST:

- \* Metric and Standard wrenches and sockets
- \* Floor Jack
- \* Jack Stands
- \* Measuring Tape
- \* Torque Wrench



Before beginning the installation, read these instructions and the enclosed driver's WARNING NOTICE thoroughly and completely. Also affix the WARNING decal in passenger compartment in clear view of all occupants. If any of these items are missing from this instruction packet, do not proceed with installation, but call SKYJACKER<sup>®</sup> to obtain needed items. If you have any questions or reservations about installing this lift kit, call SKYJACKER<sup>®</sup> at 318-388-0816 for Technical Assistance or Customer Service departments.

1. Make sure you park the vehicle on a level concrete or asphalt surface. Many times a vehicle is un level (side-to-side) from the factory, but usually not noticed until a lift kit has been installed which makes the difference more visible. Using a measuring tape, measure the front and rear (both sides) from the ground up to the center of the fender opening above the axle. Record below for future reference.

Driver Side Front: \_\_\_\_\_ Passenger Side Front: \_\_\_\_\_

Driver Side Rear: \_\_\_\_\_ Passenger Side Rear: \_\_\_\_\_

### **IMPORTANT NOTES:**

- Please refer to Parts List to insure that all parts and hardware are received prior to disassembly of vehicle. If any parts are found to be missing, contact your dealer as soon as possible.
- After installation occurs, a qualified alignment facility is required to align the vehicle to factory specs.
- After lift is installed, headlights must be adjusted to proper setting.

## Kit Box Breakdown:

### **D240A:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X212X7U	9/16 X 2 1/2 X 7 U-BOLT SQ	4
916X212X1312U	9/16 X 2 1/2 X 13 1/2 U-BOL	4
RB20	2" REAR BLOCK	2
HB-DA	HRDWR BAG FOR DODGE A KITS	1

### **D240AA:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X212X7U	9/16 X 2 1/2 X 7 U-BOLT SQ	4
916FTN	9/16-18 NYLON INSERT LOCKNU	8
SP2029	DODGE SPRING BUSHING	8
SSDGE	SPRING SLEEVE DODGE	4

### **D240AR:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X212X7U	9/16 X 2 1/2 X 7 U-BOLT SQ	4
916X212X1512U	9/16 X 2 1/2 X 15 1/2 U-BOL	4
RB35	3.5" REAR BLOCK	2
HB-DB	HRDWR BAG FOR DODGE B KITS	1

### **D240AS:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X212X7U	9/16 X 2 1/2 X 7 U-BOLT SQ	8
HB-DA	HRDWR BAG FOR DODGE A KITS	1

### **D240B:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X212X1312U	9/16 X 2 1/2 X 13 1/2 U-BOL	4
916X334X814U	9/16 X 3 3/4 X 8 1/4 U-BOLT	1
916X3X712U	9/16 X 3 X 7 1/2 U-BOLT RD	2
RB20	2" REAR BLOCK	2
HB-DB	HRDWR BAG FOR DODGE B KITS	1

### **D240BA:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X3X712U	9/16 X 3 X 7 1/2 U-BOLT RD	2
916X334X814U	9/16 X 3 3/4 X 8 1/4 U-BOLT	1
916X3CTB	9/16 X 3 COARSE THREAD BOLT	2
916FTN	9/16-18 NYLON INSERT LOCKNU	6
SE12D	SPRING BUSH KIT 61-93 DODGE	1

## Kit Box Breakdown:

### **D240BS:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X3X712U	9/16 X 3 X 7 1/2 U-BOLT RD	2
916X334X814U	9/16 X 3 3/4 X 8 1/4 U-BOLT	1
916X212X7U	9/16 X 2 1/2 X 7 U-BOLT SQ	4
HB-DB	HRDWR BAG FOR DODGE B KITS	1

### **D240CD:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X212X1312U	9/16 X 2 1/2 X 13 1/2 U-BOL	4
916X4X912U	9/16 X 4 X 9 1/2 U-BOLT RD	1
916X314X712U	9/16 X 3 1/4 X 7 1/2 U-BOLT	2
RB20	2" REAR BLOCK	2
HB-DB	HRDWR BAG FOR DODGE B KITS	1

### **D240CDA:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
UDCF	U-BLT KIT/FRONT DODGE CUMMI	1
SE12D	SPRING BUSH KIT 61-93 DODGE	1

### **D240CDS:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
UDCF	U-BLT KIT/FRONT DODGE CUMMI	1
UDWR	4 U-BLTS 916X212X7 SQ	1
SE12D	SPRING BUSH KIT 61-93 DODGE	1
SE17D	SPRING EYE BUSH DODGE CUMMI	1

### **D240CS:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X212X7U	9/16 X 2 1/2 X 7 U-BOLT SQ	4
916X4X912U	9/16 X 4 X 9 1/2 U-BOLT RD	1
916X3X712U	9/16 X 3 X 7 1/2 U-BOLT RD	2
HB-DB	HRDWR BAG FOR DODGE B KITS	1

### **D400BR:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X212X1512U	9/16 X 2 1/2 X 15 1/2 U-BOL	4
916X334X814U	9/16 X 3 3/4 X 8 1/4 U-BOLT	1
916X3X712U	9/16 X 3 X 7 1/2 U-BOLT RD	2
RB35	3.5" REAR BLOCK	2
HB-DB	HRDWR BAG FOR DODGE B KITS	1

## Kit Box Breakdown:

### **D400CDS:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
UDCF	U-BLT KIT/FRONT DODGE CUMMI	1
916X212X7	1 U-BLT WITH NUTS	4
SE12D	SPRING BUSH KIT 61-93 DODGE	1
SE17D	SPRING EYE BUSH DODGE CUMMI	1

### **D400CDS4:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
UDCF	U-BLT KIT/FRONT DODGE CUMMI	1
916X212X1012	1 U-BLT WITH NUTS	4
SE12D	SPRING BUSH KIT 61-93 DODGE	1
SE17D	SPRING EYE BUSH DODGE CUMMI	1

### **D492CDS:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X314X712U	9/16 X 3 1/4 X 7 1/2 U-BOLT	2
916X4X912U	9/16 X 4 X 9 1/2 U-BOLT RD	1
916X3CTB	9/16 X 3 COARSE THREAD BOLT	2
916X212X1012U	9/16 X 2 1/2 X 10 1/2 U-BOL	4
RB20	2" REAR BLOCK	2
SE12D	SPRING BUSH KIT 61-93 DODGE	1
SE17D	SPRING EYE BUSH DODGE CUMMI	1
916FTN	9/16-18 NYLON INSERT LOCKNU	14

### **D600BR:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X212X1512U	9/16 X 2 1/2 X 15 1/2 U-BOL	4
916X334X814U	9/16 X 3 3/4 X 8 1/4 U-BOLT	1
916X3X712U	9/16 X 3 X 7 1/2 U-BOLT RD	2
RB55	5.5" REAR BLOCK	2
HB-DB	HRDWR BAG FOR DODGE B KITS	1

### **D600BS:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X212X1012U	9/16 X 2 1/2 X 10 1/2 U-BOL	4
916X334X814U	9/16 X 3 3/4 X 8 1/4 U-BOLT	1
916X3X712U	9/16 X 3 X 7 1/2 U-BOLT RD	2
HB-DB	HRDWR BAG FOR DODGE B KITS	1

### **D600CD:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X212X1512U	9/16 X 2 1/2 X 15 1/2 U-BOL	4
916X4X912U	9/16 X 4 X 9 1/2 U-BOLT RD	1
916X314X712U	9/16 X 3 1/4 X 7 1/2 U-BOLT	2
RB45	4.5" REAR BLOCK	2
HB-DB	HRDWR BAG FOR DODGE B KITS	1

## Kit Box Breakdown:

### **D600CDS:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
UDCF	U-BLT KIT/FRONT DODGE CUMMI	1
916X212X1012	1 U-BLT WITH NUTS	4
SE12D	SPRING BUSH KIT 61-93 DODGE	1
SE17D	SPRING EYE BUSH DODGE CUMMI	1

### **D680A:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X212X7U	9/16 X 2 1/2 X 7 U-BOLT SQ	4
916X212X1512U	9/16 X 2 1/2 X 15 1/2 U-BOL	4
RB45	4.5" REAR BLOCK	2
HB-DB	HRDWR BAG FOR DODGE B KITS	1

### **D680AR:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X212X7U	9/16 X 2 1/2 X 7 U-BOLT SQ	4
916X212X1512U	9/16 X 2 1/2 X 15 1/2 U-BOL	4
RB55	5.5" REAR BLOCK	2
HB-DB	HRDWR BAG FOR DODGE B KITS	1

### **D680AS:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X212X7U	9/16 X 2 1/2 X 7 U-BOLT SQ	4
916X212X1012U	9/16 X 2 1/2 X 10 1/2 U-BOL	4
HB-DA	HRDWR BAG FOR DODGE A KITS	1

### **D680B:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X3X712U	9/16 X 3 X 7 1/2 U-BOLT RD	2
916X334X814U	9/16 X 3 3/4 X 8 1/4 U-BOLT	1
916X212X1512U	9/16 X 2 1/2 X 15 1/2 U-BOL	4
RB45	4.5" REAR BLOCK	2
HB-DB	HRDWR BAG FOR DODGE B KITS	1

### **D680BR:**

<u>ITEM#</u>	<u>DESCRIPTION</u>	<u>QTY</u>
916X3X712U	9/16 X 3 X 7 1/2 U-BOLT RD	2
916X334X814U	9/16 X 3 3/4 X 8 1/4 U-BOLT	1
916X212X1512U	9/16 X 2 1/2 X 15 1/2 U-BOL	4
RB55	5.5" REAR BLOCK	2
HB-DB	HRDWR BAG FOR DODGE B KITS	1

**D680BS:**

<b><u>ITEM#</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>QTY</u></b>
916X3X712U	9/16 X 3 X 7 1/2 U-BOLT RD	2
916X334X814U	9/16 X 3 3/4 X 8 1/4 U-BOLT	1
916X212X1012U	9/16 X 2 1/2 X 10 1/2 U-BOL	4
HB-DB	HRDWR BAG FOR DODGE B KITS	1

**D692CDS:**

<b><u>ITEM#</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>QTY</u></b>
916X314X712U	9/16 X 3 1/4 X 7 1/2 U-BOLT	2
916X4X912U	9/16 X 4 X 9 1/2 U-BOLT RD	1
916X3CTB	9/16 X 3 COARSE THREAD BOLT	2
916X212X1312U	9/16 X 2 1/2 X 13 1/2 U-BOL	4
RB45	4.5" REAR BLOCK	2
SE12D	SPRING BUSH KIT 61-93 DODGE	1
SE17D	SPRING EYE BUSH DODGE CUMMI	1
916FTN	9/16-18 NYLON INSERT LOCKNU	14

## **Front Installation:**

2. Apply a thin coat of grease to the polyurethane bushings and insert into each eye of new front springs. Now apply a thin coat of grease on outside of polyurethane bushings. Insert the steel sleeves into the spring eyes. (NOTE: Some 1992 to current models have 5/8" bolts in front spring eyes. If so, do not use the steel sleeves.)
3. Raise front of vehicle and support securely with jack stands under the frame behind front spring shackles and block the rear wheels. Remove tires, shocks and u-bolts (and 2 studs, if so equipped). (Caution: the front axle will now be free to move, so support securely on floor jack.) Unbolt each end of front leaf springs and remove them from both sides.
4. Install new springs the same as the original springs were, which is with the up-turned spring eye toward front and the down-turned spring eye toward rear. (NOTE: on springs with a bottom degree shim, thick end of shim must also be towards front bumper.) **DO NOT TIGHTEN SPRING EYE BOLTS AT THIS TIME.**
5. Using the floor jack, raise the front axle up to the leaf springs. Be sure spring tie bolts align and fit down into the holes in axle housing. Install new u-bolts. (On models equipped with 3 u-bolts and 2 studs, install the 2 new bolts in place of the studs.) Install shocks and tires then lower vehicle to the ground. Tighten spring eye bolts at this time. Refer to the pitman arm, steering arm and/or adjustable drag link instructions.

**NOTE:** If vehicle is equipped with a Saginaw or corporate type front drive shaft, rotate shaft and check for clearance on C.V. joint cluster next to transfer case. If binding occurs, remove shaft and grind off the ears until needed clearance is obtained and no further binding occurs. On 6" kits, front drive shaft may require lengthening, and on 8" kits it will be required.

If sway bar lowering kit part #SBL20 or SBL40, used to help reduce the vehicle sway, was purchased, then refer to its instructions at this time.

## **TO INSTALL REAR:**

6. Raise rear and support securely with jack stands and block the front wheels. Remove the tires, shocks and u-bolts. (Caution: the rear axle will now be free to move, so support securely on floor jack.)

If installing the "SYSTEM" with rear springs, continue with step 7. If not, skip to step 8 or 9.

7. **KITS WITH NEW REAR LEAF SPRINGS:** Unbolt and remove the stock rear springs and bolt up the new rear springs the same as the original springs were, which is with the up-turned spring eye toward the front and the down-turned spring eye toward the rear. (NOTE: on springs with a bottom degree shim, thick end of shim must be towards rear bumper.)
  - 7a.) On vehicles that are not Cummings Diesel models: For 2" SYSTEMS the factory blocks are removed. On 4" SYSTEMS using: a) part #DR40, install on top of factory block; b) part #DR60, remove the factory blocks. On 6" and 8" SYSTEMS, install new rear springs on top of the blocks.
  - 7b.) Cummings Diesel models: Some have larger 3/4" rear bolts. If so, remove the steel/rubber bushings in the new rear springs by knocking them out. Then grease the polyurethane bushings supplied and insert them in the spring eyes.

Install and tighten new u-bolts, shocks and tires then lower vehicle to ground. Do NOT tighten spring eye bolts until vehicle is on the ground.

8. Kits with rear add-a-leafs: Place a C-clamp around the rear leaf spring pack within approximately 6" of each side of the center tie bolt, and remove the tie bolt from spring pack. If part number is R1120(s) follow step 8a, or if R225(s) follow step 8b; then install and new u-bolts, shocks and tires, then lower vehicle to ground.
  - 8a.) Open up bend clips on each end of spring, if so equipped. Remove C-clamps slowly. Place new add-a-leaf into spring pack so that leaves progress from longest down to shortest (usually installed under the top main leaf). Insert new tie bolt from the bottom going through original overload then the spring pack. Retighten C-clamps to help compress spring pack, tighten tie bolt and re-bend the bend clips back over spring leaves, if so equipped.
  - 8b.) Install new add-a-leaf between the spring pack and original bottom overload leaf. Insert new tie bolt from the bottom going through the original overload, the new add-a-leaf and spring pack. Tighten nut and remove C-clamps from spring pack.
9. Kits with rear blocks: Install the spacer blocks, tall end toward the rear bumper, between springs and original blocks. (This means the new block will be installed on top of the original block.) Using the floor jack, raise the axle up to rear springs. Be sure the tie bolts and block pins all align in proper holes. Install and tighten new u-bolts, new shocks and tires and then lower vehicle to ground.

To help correct steering angle on lifted vehicles, usually the following is recommended: pitman arm #DA20/DA25 on 2" lifts, #DA40/DA45 on 4" lifts, #DA60 steering arm for 4-6" lifts, and both arms are required on 8" lifts. An adjustable drag link could always be recommended to center steering wheel.

Notice: Retorque ALL nuts, bolts and especially the u-bolts after the first 100 miles, again after another 100 miles, and then check periodically thereafter. Check rear drive shaft, because it may require lengthening on 8" kits. Be sure to check brake line length; it may be necessary to re-route original lines or replace with new longer stainless steel lines, especially on 6" and 8" kits.

## **TROUBLE SHOOTING**

Upon completion of installing the entire lift (front and rear) if the vehicle appears to sit unlevel go to step 1 and record the AFTER measurements to verify the amount of lift obtained at each point. If the vehicle does sit unlevel and it did not in sit unlevel in step 1, the following can be checked:

1. Be sure all of the polyurethane bushings were greased well so that they will not restrict the spring's movement.
2. Check the condition of the shackle bushings in the frame (if not replaced with new ones) to be sure they are not worn, and if so, replace them with new polyurethane bushings.
3. Check the body bushings between the frame and the body to be sure they are not showing wear. If so, SKYJACKER® offers replacement polyurethane kits.
4. In order to be sure that the bushings are not restricting the spring from being at the correct ride height, loosen (do not remove) the spring eye bolts. Then stand on the bumpers and bounce the vehicle up and down vigorously to free up the bushings and then retighten spring eye bolts.

**SEAT BELTS SAVE LIVES. PLEASE WEAR YOUR SEAT BELT.**