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

REQUIRED TOOL LIST:

- * Safety Glasses
- * Metric & Standard Wrenches & Sockets
- * Floor Jack
- * Jack Stands
- * Measuring Tape
- * Torque Wrench



Before beginning the installation, thoroughly & completely read these instructions & the enclosed driver's WARNING NOTICE. Affix the WARNING decal in the passenger compartment in clear view of all occupants. Please refer to the Parts List to insure that all parts & hardware are received prior to the disassembly of the vehicle. If any parts are found to be missing, contact SKYJACKER[®] Customer Service at 318-388-0816 to obtain the needed items. If you have any questions or reservations about installing this product, call SKYJACKER[®] Technical Assistance at 318-388-0816.

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

Driver Side Front: _____ Passenger Side Front: _____

Driver Side Rear: _____ Passenger Side Rear: _____

IMPORTANT NOTES:

- This lift is determined from the amount of lift to the front of the vehicle, while only lifting the rear to a position level with the front.
- If larger tires (10% more than the stock diameter) are installed, speedometer recalibration will be necessary. Contact your local Dodge dealer or an authorized dealer for details.
- After installation a qualified alignment facility is required to align the vehicle to factory specifications.

Kit Box Breakdown:

D240A:

| ITEM# | DESCRIPTION | QTY |
|---------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|--------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|---------------|-----------------------------|------------|
| 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:

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

D240B:

| ITEM# | DESCRIPTION | QTY |
|---------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|--------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|--------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|---------------|-----------------------------|------------|
| 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:

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

D240CDS:

| ITEM# | DESCRIPTION | QTY |
|--------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|--------------|----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|---------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|--------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|--------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|---------------|-----------------------------|------------|
| 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 | |

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D600BR:

| ITEM# | DESCRIPTION | QTY |
|---------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|---------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|---------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|--------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|---------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|---------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|---------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|---------------|-----------------------------|------------|
| 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:

| ITEM# | DESCRIPTION | QTY |
|---------------|-----------------------------|------------|
| 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 |

Kit Box Breakdown:

D680BS:

| <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 |
| 916X212X1012U | 9/16 X 2 1/2 X 10 1/2 U-BOL | 4 |
| HB-DB | HRDWR BAG FOR DODGE B KITS | 1 |

D692CDS:

| <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 |
| 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:

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

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

6. 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.

Rear Installation:

7. Raise the rear of the vehicle, support securely with jack stands, & block the front tires. Remove the rear tires, shocks, & u-bolts. **Note:** The rear axle will now be free to move, so support securely with a floor jack.

If installing the "SYSTEM" with rear springs, continue with step # 8. If not, skip to step # 12 or # 15.

8. **Kits with new rear leaf springs:** Unbolt & remove the stock rear springs & bolt up the new Skyjacker rear springs the same as the original springs were, which is with the up-turned spring eye toward the front & the down-turned spring eye toward the rear. **Note:** On springs with a bottom degree shim, the thick end of the shim must be towards the rear bumper.
9. 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 the new Skyjacker rear springs on top of the blocks.
10. **Cummings Diesel models:** Some 92-current models have larger $\frac{3}{4}$ " rear bolts. If so, remove the steel/rubber bushings in the new Skyjacker rear springs by knocking them out. Then grease the bushing/sleeve kit (part # SE17D) supplied and insert them in the spring eyes.
Note: If D492CDS or D692CDS box was ordered, remove the factory 6" blocks & install the new Skyjacker blocks provided in these box kits.
11. Install & tighten the new Skyjacker u-bolts, shocks, & tires then lower the vehicle to the ground. Do not tighten the spring eye bolts until the vehicle is on the ground.
12. **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 & remove the tie bolt from the spring pack. If the part number is R1120 follow step # 13 or if R225 follow step # 14. Install the new Skyjacker u-bolts, shocks, & tires, then lower the vehicle to the ground.
13. Open up bend clips on each end of the spring, if equipped. Remove the C-clamps slowly. Place the new Skyjacker add-a-leaf into the spring pack so that the leaves progress from longest down to shortest (usually installed under the top main leaf). Insert the new Skyjacker tie bolt from the bottom going through the original overload then the spring pack. Retighten the C-clamps to help compress the spring pack, tighten the tie bolt & re-bend the bend clips back over the spring leaves, if equipped.
14. Install the new Skyjacker add-a-leaf between the spring pack & original bottom overload leaf. Insert the new Skyjacker tie bolt from the bottom going through the original overload, the new Skyjacker add-a-leaf & spring pack. Tighten the nut & remove the C-clamps from the spring pack.
15. **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 the steering angle on lifted vehicles, usually the following is recommended. **Gas Engines:** pitman arm part # DA20 on 2" lifts, part # DA40/ on 4" lifts, part # DA60 steering arm for 4-6" lifts, & both arms are required on 8" lifts. **Cummins Diesel Engines:** pitman arm part # DA20 on 4" lifts & part # DA45 on 6" lifts. An adjustable drag link part # DL10 is recommended to center the steering wheel on gas & cummins diesel models.

FINAL NOTES:

- After the installation is complete, double check that all nuts & bolts are tight. Refer to the following chart below for the proper torque specifications. (Do not retighten the nuts & bolts where thread lock compound was used.)
- With the vehicle placed on the ground, cycle the steering lock to lock & inspect the steering, suspension, brake lines, front & rear drivelines, fuel lines, & wiring harnesses for proper operation, tightness, & adequate clearance.
- Have the headlights readjusted to the proper settings.
- Have a qualified alignment center realign the front end to the factory specifications.
- Retorque all the bolts after the first 100 miles.

Seat Belts Save Lives, Please Wear Your Seat Belt.

| <u>TORQUE SPECIFICATIONS</u> | | | | | |
|-------------------------------------|----------------|----------------|-----------------------------|------------------|-------------------|
| <u>INCH SYSTEM</u> | | | <u>METRIC SYSTEM</u> | | |
| Bolt Size | Grade 5 | Grade 8 | Bolt Size | Class 8.8 | Class 10.9 |
| 5/16 | 15 FT LB | 20 FT LB | 6MM | 5 FT LB | 9 FT LB |
| 3/8 | 30 FT LB | 35 FT LB | 8MM | 18 FT LB | 23 FT LB |
| 7/16 | 45 FT LB | 60 FT LB | 10MM | 32 FT LB | 45 FT LB |
| 1/2 | 65 FT LB | 90 FT LB | 12MM | 55 FT LB | 75 FT LB |
| 9/16 | 95 FT LB | 130 FTLB | 14MM | 85 FT LB | 120 FT LB |
| 5/8 | 135 FT LB | 175 FT LB | 16MM | 130 FT LB | 165 FT LB |
| 3/4 | 185 FT LB | 280 FT LB | 18MM | 170 FT LB | 240 FT LB |

- **The above specifications are not to be used when the bolt is being installed with a bushing.**