



**BOX KIT PART # 62001**  
**4WD 94-97 DODGE RAM 1500 / 2500 2”**  
**SERIES I SUSPENSION SYSTEM**

**INTRODUCTION**

Installation requires two professional mechanics. Be sure the vehicle is in excellent working condition .repair or replace all worn parts.  
Read instructions several times prior to beginning installation. Check to make sure you have all needed parts and know where to install them. Read each step completely.

**NOTES:**

- Front and rear shock absorbers are purchased separately and are also required for proper installation of this system.
- ( ) denotes foot pound torque readings after each appropriate fastener.
- Prior to attaching components, be sure mating surfaces are free of grit~ grease, under coating, etc.
- After installation is complete, the vehicle will require a front end alignment.

**IMPORTANT**

Prior to disassembly, identify each part and place the appropriate mounting hardware with it. Contact your Dick Cepek Race Series Suspension dealer or the Cepek Products technical assistance line (915)263-0693 if any components are missing before beginning any work on the vehicle.

**PARTS LIST (p/n DOS 62001 . Dodge Ram 1500 / 2500 Box Kit)**

Qty.	Description	Item Number	Figure #
(2)	Front Lower Control Link	DCS 02000	Illust. 5
(2)	Aluminum Cast Coil Spacer (2.0”)	DCS 02008	Illust. 7, 8
(1)	Bushing Kit .Lower Control Link	DCS 02010	Illust. 5
	(8) Lower Link Bushing		
	(4) Lower Link Sleeve .		
	(8) Lower Link Washer		
(1)	Hardware Kit .Coil Spacer	DCS 0215	Illust. 7,8
	(6) 7/16”-14 x 1.75 bolt		
	(6) 7/1 6’ Lock Washer		
	(1) Thread Lock 2 mil.		
(1)	Hardware Kit .Greaseable Zerks (4 per pack)	DCS 02090	Illust.. 5
(2)	Front Urethane Extended Bumpstop	DOS 02099	Illust.. 4

NOTE: The following part number DOS 62002 is available as a Series II upgrade to this system:

**PARTS LIST (n/n DCS 62002 Dodae Ram 1500/2500 Box Kit)**

Oty.	Description
(2)	Front Upper Control Link
(1)	Lower Dual Shock Mount Bracket (passenger)
(1)	Lower Dual Shock Mount Bracket (driver)
(2)	Lower Control Link Skid Plate
(1)	Bushing Kit - Upper Control Link
	(8) Lower Link Bushing .
	(8) Lower Link Sleeve .
	(8) Lower Link Washer .
(1)	Hardware Kit .Dual Shock Mount
	(2) M12 x 1.75 x 100mm
	(2) M12 x 1.75 Flanged Nuts
	(2) M12 Flat Washers
	(4) 1/2"-20 x 3.25 bolts
	(2) 1/2"-20 x 1.75 bolts
	(6) 1/2"-20 x Nylock nuts
	(20) 1/2" SAE Flat Washers
	(8) 1/2" USS Flat Washers
	(1) Thread Lock 2 mil.
(1)	Hardware Kit .Lower Link Skid Plates
	(4) 5/16"-24 x 1.0" bolts
	(4) 5/16"-24 x Nylock nuts
	(8) 5/16" Flat Washers
(1)	Upper Dual Shock Mount Bracket (driver)
(1)	Upper Dual Shock Mount Bracket (passenger)
(1)	Hardware Kit .Greaseable Zerks (4 per pack)

Item Number  
DOS 02001  
DOS 02006  
DOS 02005  
DOS 02007  
DOS 02011

DOS 02013

DOS 020~4

DOS 02313  
DOS 02323  
DOS 02090

Also needed for installation of this suspension system:

- Dick Cepek Rear Add-A-Leaf Kit (KIT # 62000 ONLY)\*
- Dick Cepek Race Series Shock Absorbers

\* see product application guide for specific part numbers required per vehicle type

**TORQUE SPECIFICATIONS**

~NEW

Lower Control Arm Cam-Nut	170 Ft. Lbs.
Lower Control Arm Rear Nut	88 Ft. Lbs.
Upper Control Arm Axle Bracket Nut	89 Ft. Lbs.
Upper Control Arm Frame Bracket Nut	62 Ft. Lbs.
Upper Shock Mount Bolt	85 Ft. Lbs.

NOTE: Use thread locking compound on all bolts.

**INSTALLATION (FRONT)**

- 1) Block the rear wheels of the vehicle in front and behind the tires. Raise the front of the vehicle with a floor jack and support the frame with jackstands. Remove front tires.
- 2) Unbolt both Brake Line Brackets from the frame to allow for free movement of the suspension components. Next, place an index mark on the bottom of the Coil Spring and Lower Spring Pocket. The Coil Spring can then be installed in the correct-position, see illustration 1.
- 3) Locate, on both side of the vehicle, the stock Adjustment Cam-Bolt and the stock Adjustment 9mm Bracket (positioned on the front of the Lower Control Arm). Place an index mark as shown in illustration 2 for installation reference.
- 4) Locate the Top Shock Mount in the engine compartment. Remove the nut, retainer and grommet..from the shock.
- 5) Remove the three nuts (rem the Upper Shock Bracket, as shown in illustration 3. Remove the bracket and set aside.
- 6) Unbolt the Shock Absorber (rpm the Lower Mount Bracket on the axle. Remove the shock through the engine compartme ot.
  - 2) Using the floor jack, reise the Rear Axle enough to relieve tension on the Rear Sprinas.

- 7) Carefully lower the floor jack until Coil Springs are free from the Upper Spring Pocket. Remove the Coil Springs.
  - 8) Remove and set aside the Upper Rubber Isolation Pad and the Stud Ring from the Spring Pocket. NOTE: You will not be re-using the Stud Ring in the installation.
  - 9) Locate the Front Rubber Bumpstops, mounted on the frame near the coils. Remove the bumpstop from it's pocket using a pair of channel lock pliers. A back and forth action will assist in working it out.
  - 10) Place the new Bumpstop, DCS 02099, in the existing Bumpstop Pocket, as shown in illustration 4. By using leverage against the bottom of the bumpstop, force the bumpstop into place (detergent soap may help if the fit is tight).
- A
- 11) Noting the location of the index mark on the Adjustment Cam-Bolt and bracket, remove the Cam-Bolt, washer and nut. Next, remove the hardware from the Frame Bracket holding the Lower Control Link in place. Remove the Control Arm at this time.
  - 12) Install the bushings and sleeves into the new Lower Control Link as shown in illustration 5. Use the lubricant as necessary. Install greasable zerks into the pre-threaded holes of the Control Link (DO NOT TAP ON END OF ZERKS).
  - 13) Install the new Lower Control Arm, using one large Shim Washer on each side of the bushings at both ends of the Control Link, install a new factory Cam-Bolt and nut (not included in this kit). Do not re-use the original Cam-Bolt. Do not torque fasteners at this time.
  - 14) Repeat Steps 4 through 13 on the other side of the vehicle.
  - 15) Place the Spring Spacer, DCS 02002 (Dodge Ram 1500 3.0") or DCS 02008 (Dodge Ram 2500 2.0"), into the Upper Spring Pocket on the frame, see illustration 7. Align the holes with each other. Then, loosely bolt together using the 7/16" x 1-3/4" Hex~ Bolt and Lockwasher. Do not torque down at this time.
  - 16) Insert the Rubber Isolator Pad inside the recess of the Spring Spacer, see illustration 7.
  - 17) Place the bottle jack between the outer bumpstops to assist in the reinstallation of the springs, see illustration 8. Extend the jack until there is enough clearance to place the Coil Spring between the Spring Spacer and the Lower Spring Pocket. Be sure the coil is properly indexed.
  - 18) Raise the FrontAxle with the floo? jack so that it compresses the Front Coil Spring. Remove the 7116" hardware from the Spring Spacer.
  - 19) Insert the shock absorber through the Coil Spring from the engine compartment. Install the Lower Shock Bolt and torque.

20) Install the original Upper Shock Bracket and align the three holes. Next, install the 7/16" x 1- 3/4" Hex Bolts and lock washers through the bracket, upper Shock Mount, Spring Pocket and into the Spring Spacer. Torque the assembly to 55 ft. lbs.

21) Place the Upper Grommet and Retainer on the Shock Stud and install the Shock as shown in illustration 7.

22) Re-install front wheels and lower vehicle.

### **INSTALLATION (REAR)**

NOTE: .To perform the installation properly you must use two large C-clamps or a large vise to contain the elastic potential energy stored in a leaf spring when the center bolt is removed.

If your vehicle is equipped with a thick Load Leaf at the bottom of the Spring Pack, place The Add-A-Leaf between it and the Spring Pack. Do not install your Add-A-Leaf below this Helper Spring.

NOTE: If you are only installing kit 62001, skip Steps 1 through 15 of the rear installation. Steps 1 through 15 are for vehicles installing kit It 62000 ONLY.

1) Raise the rear of the vehicle, support the frame with jack stands and remove the rear wheels

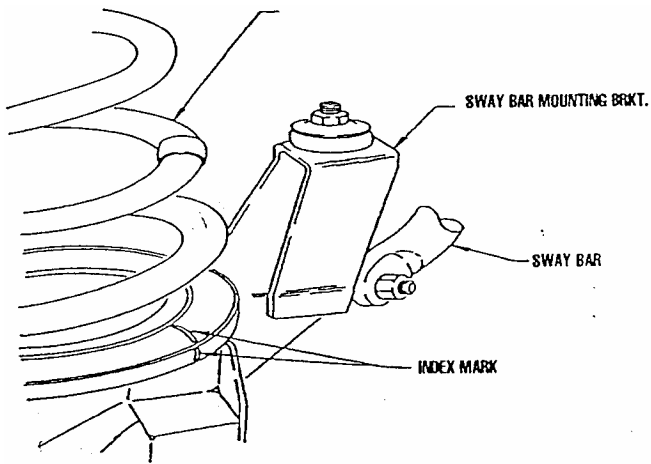
- 3) Remove the Shock Absorbers.
- 4) Making sure the axle is well supported, remove the Axle U-bolts and hardware.
- 5) Use the C-clamps to hold the Spring Assembly securely together.
- 6) Using vise-grips to hold the head of the center bolt, loosen and remove it. If the bolt has rusted, a hammer and drift punch may be used to drive it out. Carefully remove C-clamps.
- 7) Apply small amount of grease on the end of the Add-A-Leaf, DCS 92204, and hold it centered under the Spring Pack (concave side up). Next, hold the Rear Spring Spacer, DCS 02009, under the middle of the Add-A-Leaf and Load Leaf (if equipped), as shown in illustration 9.
- 8) Install the 3/8" x 4- 1/2" Socket Head Cap Bolt through the Rear Spring Spacer, Load Leaf (if equipped), Add-A-Leaf and Spring Pack. Finger tighten the 3/8" Hi-Nut and Flat Washer.

**NOTE': DO NOT USE THE CENTER BOLT TO DRAW THE LEAVES TOGETHER. FAILURE OF ANY COMPONENT CAN CAUSE AN EXPLOSIVE DISASSEMBLY AND POSSIBLE INJURY.**

- 9) Make sure that the Rear Spring Spacer, Load Leaf (if equipped), Add-A-Leaf and Spring Pack are centered and aligned. Place one C-clamp on either side of the Center Bolt incrementally. Tighten each C-clamp.
- 10) Tighten the nut and washer all the way down to the Center Bolt and then torque to 30-35 ft. lb. Trim off excess off bolt.
- 11) Remove C-clamp.
- 12) Position spring on Axle Shaft Tube so the Center Bolt Head is inserted into the locating hole in the Axle Tube Spring Pad or Spacer Block.
- 13) Install the U-bolts (2) per side, over the Spring Pack, Spacer and Axle Tube. Re-install the Anchor Plate and fasten the assembly together with the 9/16" hardware provided. Cross torque to 90 ft. lbs.
- 14) Install shock absorbers and re-install wheels.
- 15) Lower the vehicle.

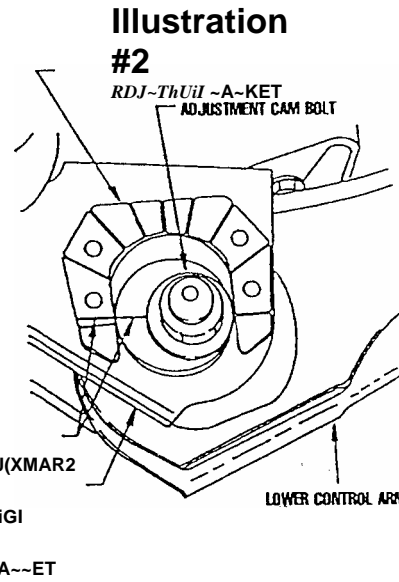
### **FINAL PROCEDURES**

- 1) With the front tires pointing straight ahead, the steering wheel crossbars will be misaligned. To center the steering wheel, loosen the two clamp bolts on the drag link adjustment sleeve and rotate the sleeve until the desired steering wheel position is achieved. Then tighten the clamp bolts (33).
- 2) INSTALL "WARNING" DECAL (metallic sticker) TO THE INSIDE OF THE DRIVER SIDE DOOR JAM NEXT TO THE V.I.N. PLATE.
- 3) HANG MIRROR TAG WITH WARNING AND WARRANTY REGISTRATION CARD FROM REAR VIEW MIRROR!
- 4) Readjust headlights to proper setting.
- 5) Check the vehicle for proper alignment. It may be necessary to replace alignment cams to achieve proper alignment settings.

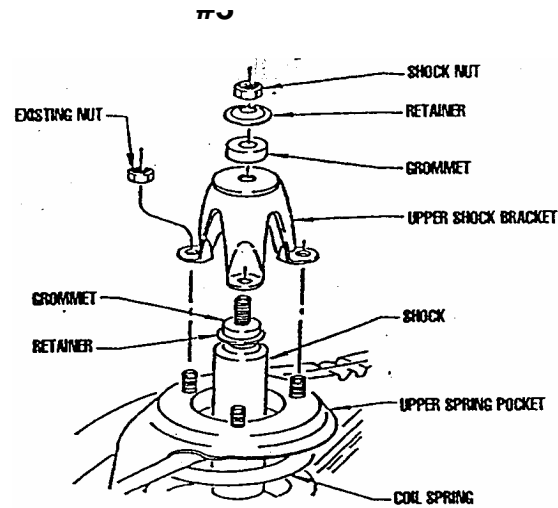


**Illustration #1**

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**Illustration #2**



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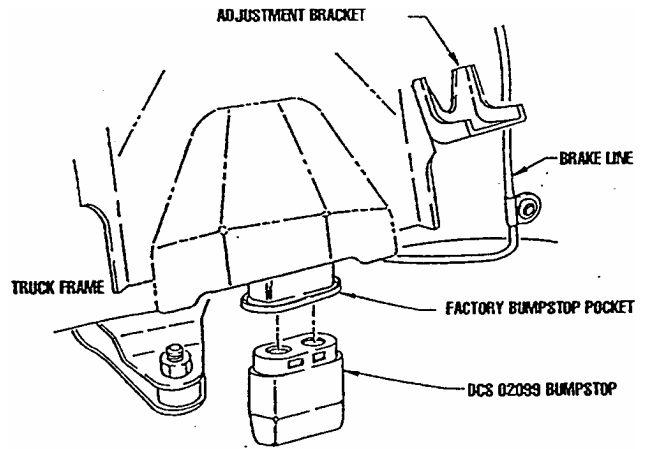
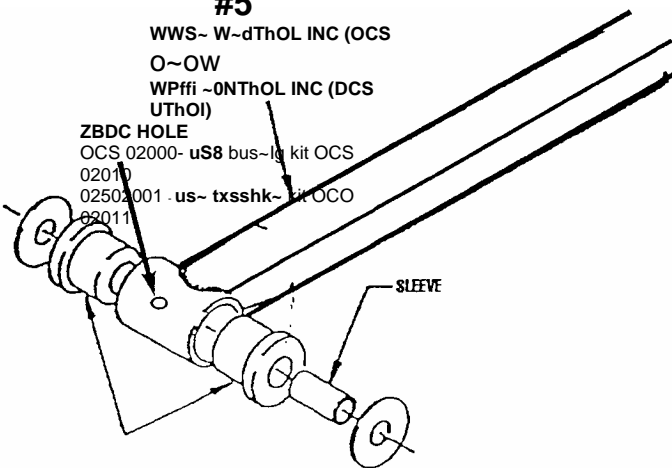


Illustration #4 Illustration

**Illustration #5**

WWS~ W-dThOL INC (OCS  
 O~OW  
 WPffii ~ONThOL INC (DCS  
 UThOl)

ZBDC HOLE  
 OCS 02000- uS8 bus-ld kit OCS  
 02010  
 02502001 . us- txsshk- kit OCO  
 02011



**Illustration #7** IEXWT.11fFX1e214

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WPffii~A--TA-  
(~8- 1 KIT fillY)

V

K

..M/

Ccl TY-T (t-J)Γ~ 2-G3 -aS  
 FAZr-Y -libYC -ITA1DII PIO

(~T Z\