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**2003-2008 DODGE RAM 2500 2WD,
ALL DODGE RAM MEGA CAB 1500, 2500 UP TO 08'
(CSS-D1-3)
3 1/2"-6 1/2" LIFT KIT
3 1/2" CAST LIFT SPINDLES
3" COIL SPACER**

- **NOTE:** IF YOU ARE INSTALLING THE 6 1/2" KIT WE RECOMMEND A 17 X 8" WHEEL WITH 5" BACKSPACING AND A 33 X 10.5 X 17 TIRE, THAT WILL CLEAR WITH LITTLE OR NO TRIMMING ON THE FRONT BUMPER.
- **NOTE:** IF YOU ARE INSTALLING THE 3 1/2" KIT WE RECOMMEND A 17 X 8" WHEEL WITH 5" BACKSPACING AND A 31 X 10.5 X 17 TIRE, THAT WILL CLEAR WITH LITTLE OR NO TRIMMING ON THE FRONT BUMPER.
- **NOTE:** THE STOCK RIMS AND TIRES WILL NOT FIT ON THIS KIT, INCLUDING THE SPARE TIRE. WE RECOMMEND YOU GET A NEW SPARE WITH THE CORRECT BACKSPACING. 5" IS THE MAXIMUM BACKSPACING THAT WILL FIT ON THIS TRUCK ONCE LIFTED.

WARNING: CALIFORNIA SUPERTRUCKS RECOMMENDS PROFESSIONAL AUTOMOTIVE KNOWLEDGE WHEN INSTALLING THIS KIT TO AVOID POSSIBILITY OF INJURY

READ THE FOLLOWING NOTES PRIOR TO INSTALLATION

DO NOT ALTER THE FINISH OF ANY COMPONENTS. CHANGING THE FINISH SUCH AS CHROMING, ZINC-PLATING, OR ANY TYPE OF PAINTING, CAN CAUSE STRUCTURAL FATIGUE OF COMPONENTS.

PRIOR TO INSTALLATION, COMPARE THE PARTS LIST WITH THE COMPONENTS RECEIVED IN THE KIT. IF ANY PIECES ARE MISSING PLEASE CONTACT YOUR LOCAL RETAILER OR CST PERFORMANCE SUSPENSION AT 951-571-0212, AND YOU WILL BE TAKEN CARE OF IN A TIMELY MANOR.

READ ALL INSTRUCTION FROM START TO FINISH BEFORE BEGINNING INSTALLATION. IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED, SEVERE FRAME, TIRE, OR SUSPENSION DAMAGE MAY RESULT TO THE VEHICLE. IF YOU INCUR A PROBLEM

DURING THE INSTALLATION OF THIS KIT, FIRST BE SURE YOU HAVE FOLLOWED THE INSTRUCTION FROM START TO FINISH ACCURATELY AND IF SO PLEASE CALL 951-571-0212, WE WILL DO OUR BEST OVER THE PHONE TO ASSIST YOU WITH YOUR PROBLEM, OR DIRECT YOU ACCORDINGLY.

VEHICLES THAT RECEIVE OVER SIZED TIRES SHOULD CHECK BALL JOINTS, TIE ROD ENDS, AND ALL PIVOT POINTS, AS WELL AS GENERALLY INSPECT THE ENTIRE SUSPENSION FRONT TO REAR EVERY 2500 – 5000 MILES FOR WEAR AND REPLACE PARTS AS NEEDED.

Instructions:

1. PARK VEHICLE ON CLEAN AND LEVEL SURFACE.
2. JACK UP TRUCK AND SUPPORT WITH JACK STANDS.
3. REMOVE WHEELS AND TIRES. (🔧=🔩24MM SOCKET)
4. REMOVE TIE ROD ENDS FROM SPINDLE WITH REMOVAL TOOL. (🔧=🔩21MM SOCKET)
5. REMOVE BOLTS THAT HOLD BRAKE CALIPERS ONTO UPRIGHT, SLIDE OFF CALIPER AND SECURE OUT OF THE WAY USING WIRE OR ZIP-TIE. DO NOT LET CALIPERS HANG ON BRAKE LINES. THEN SLIDE ROTORS OFF OF THE HUB. (🔧=🔩18MM SOCKET)
6. REMOVE THE BOLT THAT HOLDS THE ANTILOCK WIRE TO THE HUB. TAKE THE WIRE OUT OF THE HUB AND HANG IT ASIDE. (🔧=🔩5MM ALLEN WRENCH)
7. LOOSEN UPPER AND LOWER BALL JOINT NUTS AND SEPARATE BALL JOINT TAPERS FROM SPINDLE WITH PULLERS. THEN REMOVE SPINDLE / HUB ASSEMBLY FROM TRUCK. (🔧=🔩30MM SOCKET, 21MM WRENCH)
8. SET THE SPINDLES ON THE TABLE WITH THE HUB FACING DOWN. REMOVE THE HUB BOLTS AND SLIDE THE STOCK SPINDLES OFF. DISCARD THE DUST SHIELDS. INSTALL THE NEW SPINDLES USING THE STOCK BOLTS ON THE BOTTOM HOLES AND THE SUPPLIED BOLTS ON THE TOP. MAKE SURE THE HUBS GO BACK ON THE SAME SIDE THEY CAME OFF. USE LOCKTITE. (🔧=🔩18MM SOCKET, 22MM SOCKET)
9. IF YOU ARE NOT INSTALLING A COIL SPACER SKIP TO STEP # 14
10. REMOVE THE NUTS THAT ATTACH THE SWAY BAR LINKS TO THE LOWER ARMS. (🔧=🔩 18MM WRENCH, 18MM SOCKET)
11. PLACE A JACK UNDER THE LOWER ARM ON ONE SIDE. REMOVE THE SHOCK AND LOWER THE JACK. REMOVE THE COIL SPRING. (🔧=🔩 13MM SOCKET, 9MM SOCKET, 18MM WRENCH)
12. REMOVE THE STOCK RUBBER ISOLATOR FROM THE TOP OF THE COIL. SET THE URETHANE SPACER ON TOP OF THE COIL AND REINSTALL THE COIL WITH THE SPACER ON TOP OF IT. YOU WILL HAVE TO PUSH DOWN ON THE LOWER ARM TO GET THE COIL AND SPACER IN, IT MAY BE HELPFUL TO TAPE THE SPACER TO THE TOP OF THE COIL USING ELECTRICAL TAPE, AND REMOVE THE BUMPSTOP TO GAIN CLEARANCE FOR COIL INSTALLATION.
13. SLOWLY JACK UP THE LOWER ARM AND MAKE SURE THE COIL STAYS SEATED IN THE LOWER ARM IN THE CORRECT POSITION. ONCE YOU GET THE ARM UP ENOUGH, INSTALL THE STOCK SHOCK USING THE STOCK HARDWARE. (🔧=🔩 13MM SOCKET, 9MM SOCKET, 18MM WRENCH)

14. INSTALL THE NEW SPINDLES BACK ON THE TRUCK, APPLY LOCK-TITE TO THE THREADS OF THE LOWER BALL JOINT AND UPPER BALL JOINT. TORQUE ALL NUTS TO OEM SPECS.
15. ROUTE THE ANTILOCK WIRE BEHIND THE SPINDLE AND ON TOP OF THE STEERING. ATTACH IT TO THE HUB USING THE STOCK BOLT. ATTACH THE ANTILOCK WIRE TO THE BACK OF THE SPINDLE USING THE SUPPLIED ADEL CLAMP AND 1/4" BOLT, USE LOCKTITE. (⌚=⌚ 5MM ALLEN WRENCH, 7/16 SOCKET)
16. DO THE BRAKE LINES ONE SIDE AT A TIME AND TRY NOT TO LET TOO MUCH FLUID OUT. SEPARATE THE SOFT LINE FROM THE HARD LINE AT THE FRAME, SLIDE THE FITTING UP THE HARD LINE A LITTLE AND PLUG THE END OF THE HARD LINE TO PREVENT LEAKAGE. (⌚=⌚ 12MM FLARE NUT WRENCH)
17. REMOVE THE NUT THAT HOLDS THE BRAKELINE TO THE FRAME. (⌚=⌚ 13MM SOCKET)
18. SET THE CALIPER AND BRAKELINE ON THE BENCH WITH THE BRAKELINE FACING UP. REMOVE THE BRAKE LINE FROM THE CALIPER. (⌚=⌚ 15MM SOCKET)
19. BOLT THE NEW BRAKELINE TO THE CALIPER USING THE STOCK BOLT AND THE NEW SUPPLIED BRASS WASHERS. THE BRAKELINE SHOULD BE POINTING UP TOWARDS THE TOP OF THE CALIPER, AND SLIGHTLY IN JUST ENOUGH TO MISS THE BLEEDER. (⌚=⌚ 15MM SOCKET)
20. REINSTALL BRAKE ROTORS AND CALIPERS. USE LOCK-TITE ON CALIPER BOLTS. TORQUE TO FACTORY SPECS. (⌚=⌚ 18MM SOCKET)
21. RE-ATTACH THE BRAKE LINE TO THE HARD LINE AT THE FRAME. REPEAT BRAKE LINE STEPS FOR THE OTHER SIDE OF THE TRUCK. (⌚=⌚ 12MM FLARE NUT WRENCH, 17MM WRENCH)
22. ATTACH THE ANTILOCK WIRE TO THE BRAKE LINES USING THE SUPPLIED ZIP TIES.
23. BLEED THE BRAKES. CHECK THE BRAKE FLUID. (⌚=⌚ 11MM WRENCH)
24. REINSTALL TIE-ROD ENDS USING MEDIUM LOCK-TITE AND OEM NUTS.
25. INSTALL WHEELS AND TIRES AND TORQUE TO FACTORY SPECS. TURN WHEELS BOTH WAYS AND CHECK BRAKE LINES AND ANTILOCK WIRES FOR RUBBING. PLACE TRUCK ON GROUND AND TORQUE LUG NUTS.
26. REINSTALL BATTERY CABLE.
27. ALIGN TRUCK
28. RECHECK AFTER 1,000 MILES.



INCLUDED PARTS -

- 1 - DRIVERS SIDE SPINDLE
- 1 - PASSENGER SIDE SPINDLE
- 2 - M14-1.5 X 100 BOLTS
- 8 - ZIP TIES

- 2 - 1/4" ADEL CLAMPS
- 2 - 1/4-20 X 3/4 BOLTS
- 2 - 1/4" WASHERS
- 2 - FRONT BRAKELINES W/ WASHERS

FOR TECHNICAL ASSISTANCE CALL CST AT 951-571-0212