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2001-2010 GM HD 2500/3500 2WD

SHORT BED ONLY

(CSS-C1-12)

4" SUSPENSION LIFT KIT

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

NOTE: INSTALLER MUST CHECK FOR PROPER BRAKE CALIPER CLEARANCE AFTER INSTALLATION

4" LIFT SPINDLES REQUIRE WHEELS WITH NO MORE THAN 4 5/8" BACK SPACING



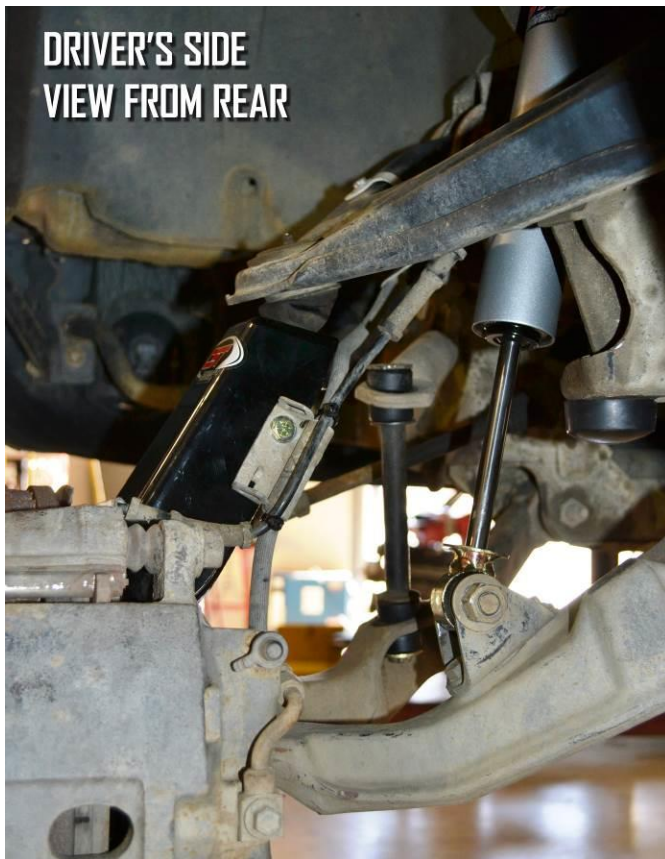
READ THE FOLLOWING NOTES PRIOR TO INSTALLATION

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 MANNER.

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, IDLER ARM, PITMAN ARM, AS WELL AS GENERALLY INSPECT THE ENTIRE SUSPENSION FRONT TO REAR EVERY 2500 – 5000 MILES FOR WEAR AND REPLACE AS NEEDED.



1. REMOVE THE POSITIVE BATTERY CABLE.
2. JACK UP THE TRUCK AND SUPPORT IT WITH JACK STANDS. NEVER WORK UNDER A VEHICLE THAT IS NOT PROPERLY SUPPORTED.
3. REMOVE THE WHEELS AND TIRES.
4. REMOVE THE ANTI- SWAY BAR LINKS.
5. REMOVE BOLTS THAT HOLD BRAKE LINE BRACKETS TO THE UPPER ARMS AND THE TOP OF SPINDLES.
6. UNPLUG THE ANTI-LOCK SENSOR WIRE AND REMOVE THE CLIPS FROM THE FRAME AND THE BRAKE LINE BRACKET. PLACE IT IN A SAFE LOCATION. USE CAUTION NOT TO DAMAGE THE WIRE.
7. SEPERATE THE TIE ROD ENDS FROM THE SPINDLE WITH REMOVAL TOOL. (🔧 21MM SOCKET)
8. REMOVE THE BOLTS THAT HOLD THE BRAKE CALIPERS TO THE SPINDLES. SLIDE THE CALIPER OFF AND SECURE IT OUT OF THE WAY USING WIRE OR ZIP-TIES. DO NOT LET THE CALIPERS HANG ON THE BRAKE LINES. REMOVE THE CLIPS FROM THE LUG NUT STUDS AND SLIDE THE ROTORS OFF OF THE HUB. (🔧 18MM SOCKET)
9. SUPPORT THE LOWER CONTROL ARM WITH A FLOOR JACK. LOOSEN THE UPPER AND LOWER BALL JOINT NUTS AND SEPARATE THE BALL JOINT TAPERS FROM SPINDLES WITH PULLERS.
10. REMOVE THE SPINDLE AND HUB ASSEMBLY FROM TRUCK. (🔧 24MM SOCKET, 18MM SOCKET)
11. REMOVE THE BEARING HUB AND WHEEL FLANGE FROM SPINDLE BY REMOVING THE 4 BOLTS. INSTALL THE DUST SHIELD INTO NEW CST UPRIGHT USING **OEM BOLTS**, USE LOCK-TITE ON THE MOUNTING BOLTS. USE CARE WITH ANTI-LOCK SENSOR WIRES. (🔧 15MM SOCKET)

12. INSTALL THE NEW CST 4" LIFT SPINDLE BACK ON THE TRUCK MAKING SURE TO RUN THE BRAKE LINE BEHIND THE UPRIGHT TO ALLOW FOR THE EXTRA HEIGHT.
13. GRIND THE PROTRUSION OFF OF THE CALIPER MOUNT THAT MAKES CONTACT WITH THE SPINDLE WHEN LINED UP WITH THE BOLTS.
14. REINSTALL THE BRAKE ROTORS AND CALIPERS. USE LOCK-TITE ON THE CALIPER BOLTS. CUT OFF THE SMALL TAB ON THE BRAKE LINE MOUNT. INSTALL THE BRAKELINE BRACKET ONTO THE REAR SIDE OF THE CST SPINDLE USING THE SUPPLIED BOLTS. THE BRAKE LINE BRACKET MAY NEED TO BE MOVED, AND CAN BE DONE BY SPRAYING THE BRACKET AND LINE W/WD-40 AND CAREFULLY SLIDING BRACKET DOWN THE LINE. BOLT THE UPPER BRAKE LINE BRACKET TO THE UPPER ARM AND TURN THE SPINDLE BOTH WAYS TO CHECK FOR BRAKE LINE CLEARANCE AND STRETCH.
15. REINSTALL THE TIE-ROD ENDS. TORQUE TO FACTORY SPECS.
16. REINSTALL THE ANTI-SWAY BAR LINKS. USE LOCK-TITE.
17. ROUTE THE ANTI-LOCK SENSOR WIRE UP THE REAR SIDE OF THE SPINDLE AND ZIP-TIE IT IN PLACE. ZIP-TIE IT TO THE BRAKE LINE UP THE FRONT SIDE OF THE UPPER ARM. PUT IT BEHIND THE FRONT INSIDE PIVOT BOLT AND PLUG IT IN.
18. INSTALL THE WHEELS AND TIRES AND TORQUE THE LUG NUTS. PLACE THE TRUCK ON THE GROUND AND REINSTALL THE BATTERY CABLE.
19. TURN THE STEERING WHEEL ALL THE WAY IN EACH DIRECTION AND **MAKE SURE THE BRAKE CALIPERS DO NOT MAKE CONTACT WITH THE LOWER ARMS**, CONTACT CST IF YOU HAVE AN ISSUE. ALSO CHECK THE BRAKE LINES AND ANTILOCK WIRES TO MAKE SURE THEY DO NOT RUB ON ANY MOVING PARTS OR GET PINCHED.
20. HAVE THE TRUCK PROFESSIONALLY ALIGNED.

PARTS INCLUDED – 1- DRIVERS SPINDLE, 1- PASSENGER SPINDLE, 1- INSTRUCTIONS 1- HARDWARE BAG
FOR TECHNICAL ASSISTANCE CALL CST AT 951-571-0212