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2020 GM 2500HD / 3500HD 2" Front Leveling Kit Installation Instructions



REQUIRED TOOL LIST:

- Safety Glasses
- Metric Sockets
- Torsion Bar Removal Tool
- 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 or hardware 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, contact 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 (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: _____

Important Notes:

- The net amount of ride height increase depends upon the age & use of the vehicle, wheel offset, & numerous other factors. Stated torsion bar ride height increases are based upon the OEM specifications. If the OEM torsion bars were "cranked up" at some point in the past, expect a corresponding reduction in the overall height increase with the new Skyjacker torsion keys.
- The OEM torsion bars, like any other spring, are subject to fatigue & sagging over time. Also, torsion bars have different ratings depending on how the vehicle was equipped from the factory. In some cases, installing heavier rated torsion bars (which can be purchased from a GM dealer) may be the only solution to regaining ride height lost from adding heavy aftermarket accessories, such as a winch bumper or snow plow.

- Various types of torsion bar removal tools are available, however, due to the extreme loads present in torsion bar suspension systems, we have found the two-jaw style torsion bar removal tool that clamps to the cross member tends to slip & damage the OEM crossmember. A C-clamp style torsion bar removal tool (Kent - Moore Part # CH-48809) is preferred & can be purchased from a GM dealer or auto parts store.
- If larger tires (10% more than the OEM diameter) are installed, speedometer recalibration will be necessary. Contact your local GM dealer or an authorized dealer for details.
- After installation, a qualified alignment facility is required to align the vehicle to the OEM specifications.

Component Box Breakdown:

Part #: C205KE

Item #	Description	Qty	Item #	Description	Qty
C205KE-S	2020 GM 2500/3500HD TOR KEY	2	I-C205KE	INST SHEET: C205KE	1
HB-C115KE	HDWR BAG: C115KE / C205KE	1			

Hardware Bag Breakdown:

Part # HB-C115KE

Item #	Description	Qty
12XTFW	1/2 EXTRA THICK FLAT WASHER	8

Installation:

1. With the vehicle on flat level ground, set the emergency brake, & block the rear tires / wheels.
2. Raise the front of the vehicle enough to completely unload the front suspension & support the vehicle securely using jack stands.
3. Remove the front tires / wheels using a 22mm socket.
4. Disconnect each OEM front shock from each OEM upper shock mount using a 21mm wrench & install two of the supplied 1/2" extra thick washers onto each upper stud of each OEM front shock. (See Photo # 1)
5. Connect each OEM front shock to each OEM upper shock mount using the OEM hardware & a 21mm wrench.



WARNING: Be extremely careful when loading or unloading the OEM torsion bars, there is a tremendous amount of stored energy (load / pressure) in the OEM torsion bars. Keep your hands & body clear of the adjuster arm assembly & torsion bar removal tool in case anything slips or breaks.

6. Mark each OEM torsion bar & OEM lower A-arm for reference of the OEM installed orientation. (See Photo # 2)

7. Mark or measure the exposed length of each OEM torsion bar adjusting bolt for reference during reassembly.

8. Position the torsion bar removal tool on the OEM crossmember. **Note:** Be sure the top of the torsion bar removal tool engages the recess present in the OEM crossmember & the lower end of the torsion bar removal tool engages the recess on the OEM torsion bar key near the adjuster bolt. (See Photo # 3)

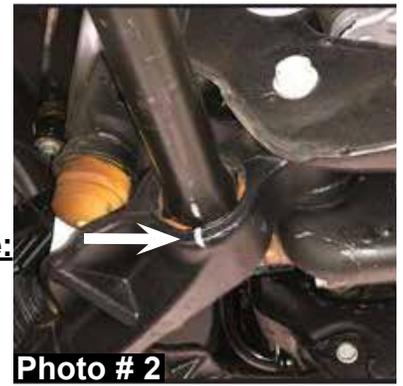
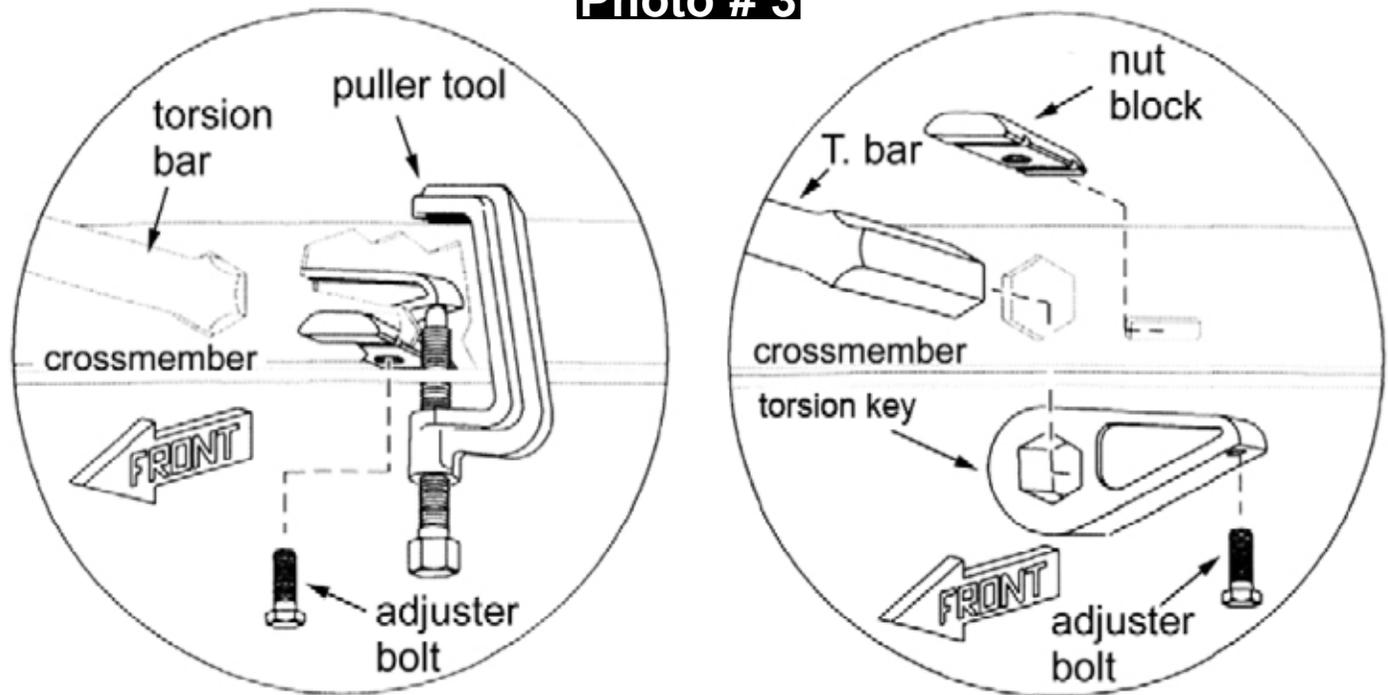


Photo # 3



9. Using extreme caution, tighten the torsion bar removal tool in order to remove the load off of each OEM adjuster bolt & remove each OEM adjuster bolt & nut block using a 21mm socket. Unload & remove the torsion bar removal tool. (See Photo # 4)

10. Note the orientation of each OEM torsion bar key in relation to the end of each OEM torsion bar. Slide each OEM torsion bar forward out of the OEM torsion bar crossmember & remove each OEM torsion bar key. (See Photo # 5) **Note:** It may be necessary to tap on the end of the OEM torsion bar until the OEM torsion bar key can be removed.



11. Install each new Skyjacker torsion bar key in the OEM torsion bar crossmember, matching the same orientation as the OEM torsion bar key. Slide each OEM torsion bar back through the OEM crossmember, matching the same orientation as the OEM torsion bar & into each new Skyjacker torsion bar key. (See Photo # 5)

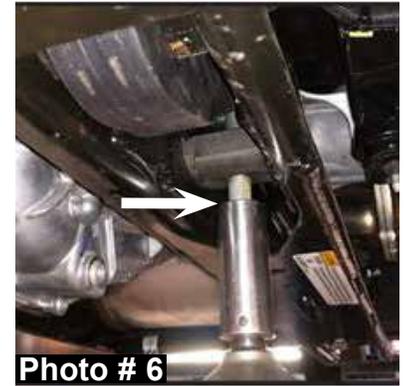
12. Using the same precautions & procedures that were used during removal, load each OEM torsion bar in order to install each OEM adjuster bolt & nut block using a 21mm socket. (See Photo # 4)

13. Tighten each OEM adjuster bolt to the same exposed length noted during disassembly using a 21mm socket. Unload & remove the torsion bar removal tool. (See Photo # 6)

14. Install the front tires / wheels using a 22mm socket.

15. Lower the front of the vehicle to the ground & manually bounce the front of the vehicle several times to settle the front suspension.

16. Measure the ride height on each side of the vehicle. To raise the ride height of the vehicle, tighten the OEM torsion bar adjuster bolt with the front of the vehicle off the ground using a 21mm socket. To lower the ride height of the vehicle, loosen the OEM torsion bar adjuster bolt with the front of the vehicle off the ground using a 21mm socket. The new Skyjacker torsion bar keys are capable of increasing the ride height 2" over the OEM specifications. **Note:** Do not increase the ride height above this 2" specification or premature ball joint failure will occur.



Final Notes:

- After the installation is complete, double check that all nuts & bolts are tight. Refer to the following chart for the proper torque specifications. (Do not retighten 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 vehicle to the OEM specifications.
- After the first 100 miles, check all hardware for the proper torque & periodically thereafter.

TORQUE SPECIFICATIONS

<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 FT LB	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.

Seat Belts Save Lives, Please Wear Your Seat Belt.



**Jesus Forgives,
Rocks Don't**

Jesus Christ Died For You.

John 3:16

For God so loved the world that He gave His only Son, so that everyone who believes in Him should not perish, but have everlasting life.
Romans 3:23

For all have sinned; all fall short of God's glorious standard.
Ephesians 2:8

God saved you by his special favor when you believed. And you can't take credit for this; it is a gift from God.
Psalms 18:2

The Lord is my Rock, my fortress, and my savior; my God is my Rock, in whom I find protection. He is my shield, the strength of my salvation, and my stronghold.
Romans 10:9-10

That if you shall confess with thy mouth the Lord Jesus, and shall believe in your heart that God hath raised him from the dead, you shall be saved. For with the heart man believeth unto righteousness; and with the mouth confession is made unto salvation.

Pray This Simple Prayer:

God, I come to You admitting I have sinned against You and I need you to take control of my life. The Bible says anyone who calls on the name of the Lord will be saved. I am calling on You, Jesus. I ask that You come live in my heart and be the Lord over my life today. I do believe You died on the cross for me and came back to life to give me life! Thank You, Lord Jesus for a new life in You!

Now, go and tell somebody about your new life in Jesus, get a Bible, begin to read it, and go to a Bible believing church.

If you would like someone to pray with you, call Kenneth Copeland Ministries anytime at 800-600-7395.

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Jesús murió por ti.

Juan 3:16

“Porque tanto amó Dios al mundo, que dio a su Hijo unigénito, para que todo el que cree en él no se pierda, sino que tenga vida eterna.”
Romanos 3:23

“Pues todos han pecado y están privados de la gloria de Dios.”
Efesios 2:8

“Porque por gracia ustedes han sido salvados mediante la fe; esto no procede de ustedes, sino que es el regalo de Dios.”
Salmos 18:2

“El Señor es mi roca, mi amparo, mi libertador; es mi Dios, el peñasco en que me refugio. Es mi escudo, el poder que me salva, ¡mi más alto escondite!”
Romanos 10:9-10

“9 Que si confi esas con tu boca que Jesús es el Señor, y crees en tu corazón que Dios lo levantó de entre los muertos, serás salvo. 10 Porque con el corazón se cree para ser justificado, pero con la boca se confía esa para ser salvo.”

Ahora dí esta simple oración:

Dios, vengo a Ti y admito que he pecado contra Ti, necesito que tomes el control de mi vida. La Biblia dice que todo aquel que invoca el nombre del Señor escapará con vida. En este momento yo clamo ante Ti, Jesús; te pido que vengas a vivir en mi corazón y que tomes el control de mi vida. ¡Yo creo que tu moriste en la cruz y resucitaste para darme vida! ¡Gracias Señor Jesús, por una nueva vida que tengo en Ti! Amen.

Ahora ve y dile a alguien sobre la nueva vida que tienes en Cristo. Compra una Biblia y empieza a leerla. Busca una Iglesia que cree en la Biblia y hazte parte de esa Iglesia.

Si te gustaría orar con alguien, puedes llamar a este número 800-600-7395

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