



**Component Box Breakdown:****Part # TC2415MS**

Item #	Description	Qty
TC2415FMS-S	STRUT SPACER, FRONT, 1.5"	2
HB-TU760MS	HDWR BAG: 10MM FLANGE NUTS	1

**Hardware Bag Breakdown:****Part # HB-TU760MS**

Item #	Description	Qty
10MMX1.5NFN	10MM-1.5 NYLON FLANGE NUT	8

**Front Installation: Note: Save all factory components & hardware for reuse, unless noted.**

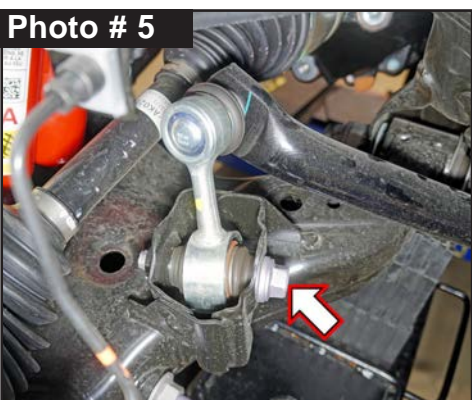
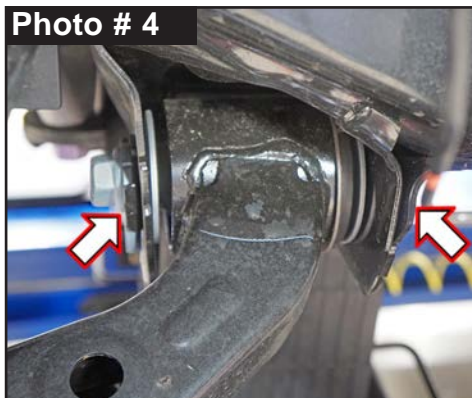
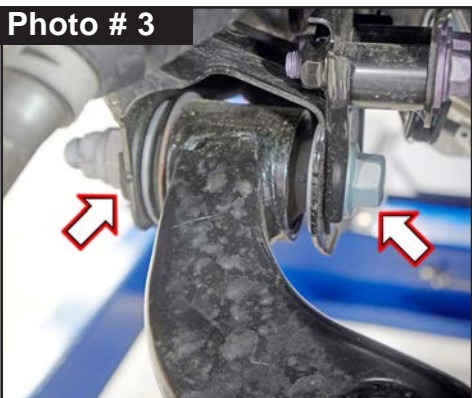
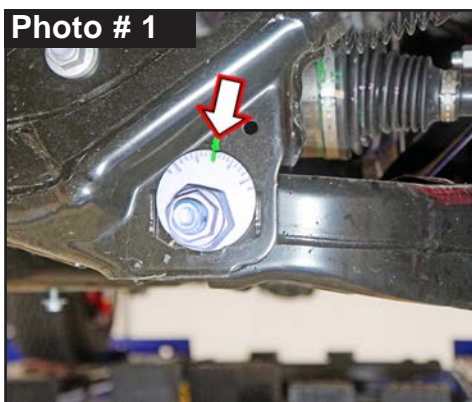
1. Set emergency brake & chock rear tires \ wheels.
2. Raise front of vehicle, support frame rails using jack stands at indicated lift points in OEM service manual.
3. Remove front tires \ wheels using a 21mm socket.

**Note: Perform Steps 4-10 on One Side at a Time.**

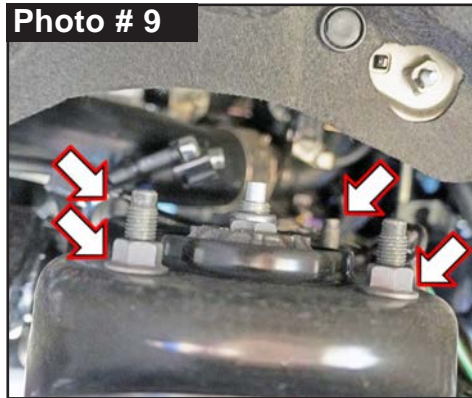
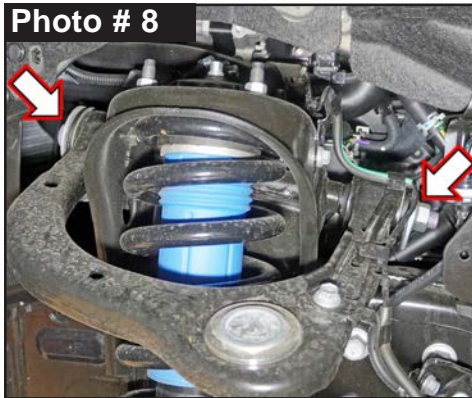
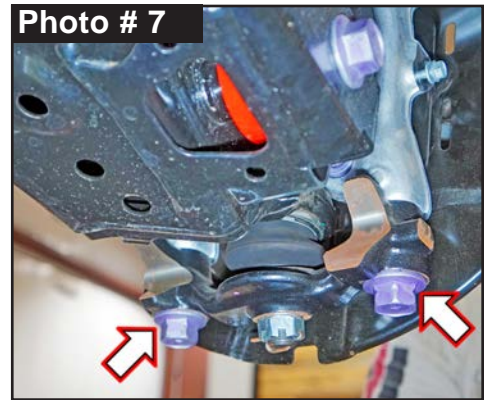
4. Mark front & back cam bolt positions on each OEM Lower Control Arm (LCA) frame mounts. (Photo # 1 & # 2)

**Note:** Mark both driver & passenger side OEM LCA mounts.

5. Loosen, but do not remove two (2) cam bolts on OEM LCA using two (2) 24mm sockets \ wrenches. (Photo # 3 & # 4)
6. Disconnect OEM sway bar end link from OEM LCA using a 19mm socket \ wrench. (Photo # 5)
7. Remove OEM lower strut mount hardware from OEM LCA using two (2) 22mm sockets \ wrenches. (Photo # 6)

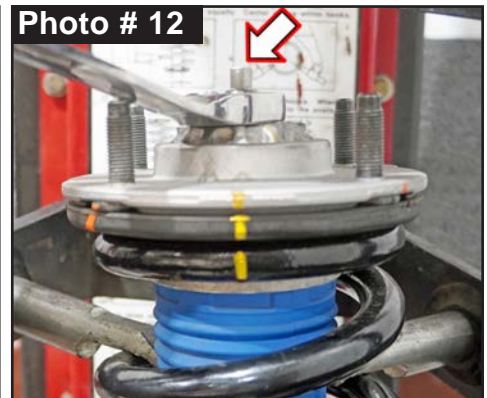
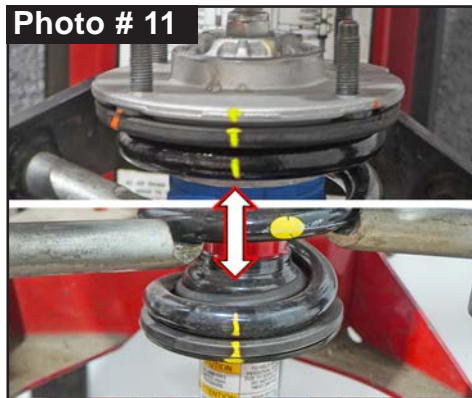


8. Remove two (2) OEM LCA bolts from OEM knuckle using a 22mm socket \ wrench. (Photo # 7)  
Ease LCA away from front strut. **CAUTION:** Do not let LCA fall to abruptly. Let lower control arm hang.
9. Loosen, but do not remove OEM Upper Control Arm (UCA) hardware using 22mm sockets \ wrenches. (Photo # 8)
10. Disconnect four (4) OEM upper strut mounting nuts from frame mount using a 14mm socket \ wrench. (Photo # 9)  
**Note:** Do NOT remove center strut rod nut.  
Remove OEM strut out through bottom. (Photo # 10)



**NOTE:** Perform Steps 4-10 on Opposite Side.

11. Place OEM strut into a suitable strut spring compressor. (Photo # 11) **Note:** For proper reassembly, mark top hat upper strut mounting isolator, rubber isolator & coil spring at top of strut. Mark lower strut coil seat, isolator & coil spring at middle of strut.



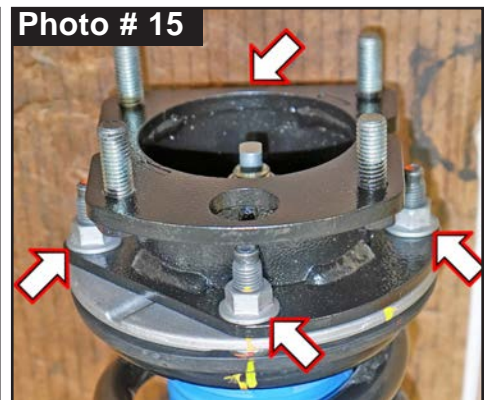
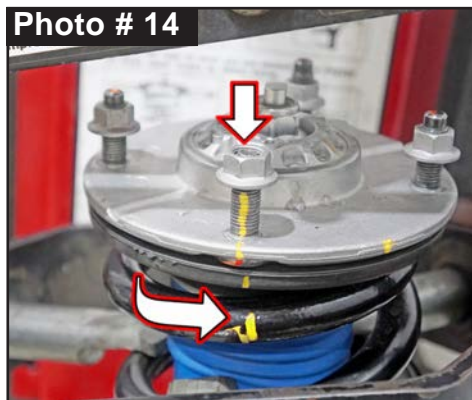
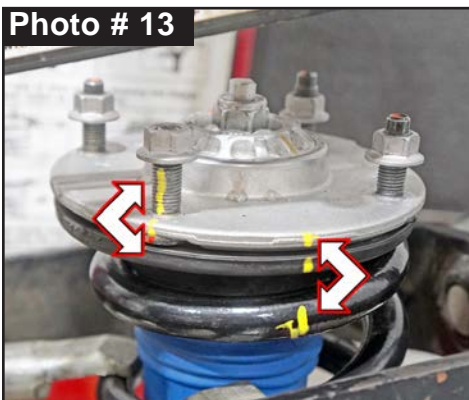
12. Compress coil spring on strut assembly. Hold upper hex portion of shaft & remove upper strut isolator nut using a 19mm socket \ wrench. (Photo # 12) Leave coil spring in spring compressor.

13. **Note:** OEM has marked alignment of OEM coil spring isolator with OEM forward stud on upper strut mounting isolator. (Photo # 13) Make sure that your 'marks' aligned.

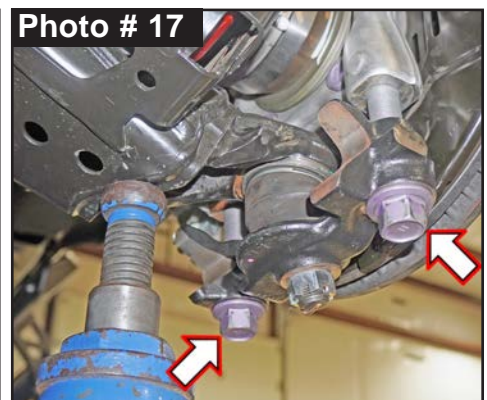
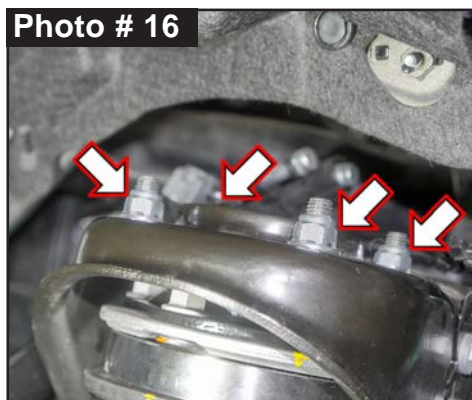
**Note:** Skyjacker Upper Strut Spacers Are Not Side Specific: # TC2415FMS-S Driver or Passenger. Align Skyjacker Upper Strut Spacer with OEM studs on top of OEM strut assembly.

14. Rotate OEM upper strut mounting isolator & Upper Strut Spacer to align with your marks on coil spring & rubber isolator. (Photo # 14) Remove from strut spring compressor.

15. Attach with OEM hardware using a 14mm wrench. Start all four (4) OEM flange nuts before beginning tightening sequence. (Photo # 15) **Tech Note:** Use a pry bar or similar tool going across & between studs to keep strut\ spacer from turning to tighten. Torque 33 ft-lbs.



16. Connect Skyjacker\OEM strut assembly to OEM upper mount with supplied 10mm Nylon Insert Flange Nuts using a 15mm wrench. (Photo # 16) **Tech Note:** Start all four (4) flange nuts before beginning tightening sequence. Secure, but **Do Not Completely Tighten**.



17. Support bottom of OEM LCA with jack. Raise OEM LCA & connect Skyjacker\OEM strut assembly to lower strut mount with OEM hardware using two (2) 22mm sockets \wrenches. (Photo # 17)

Secure, but **Do Not Completely Tighten**. **Tech Note:** You may need to raise jack to connect.

18. Connect driver & passenger side OEM sway bar end link to OEM LCA using a 19mm socket \wrench. (Photo # 5) Secure, but **Do Not Completely Tighten**.

19. Realign marks on cam bolt positions on OEM LCA at frame. (Photo # 1 & # 2)

Tighten cam bolts on both arms using two (2) 22mm sockets \wrenches.

Torque 207 ft-lbs. **Note:** Final torque will be set by alignment technician.

20. Install front tires \wheels using a 21mm socket & lower front of vehicle to ground.

## **Final Clearance Check & Torque Steps:**

1. Start vehicle. Make sure there are no dash lights pertaining to suspension.
2. Jounce vehicle a couple of times. This will help suspension settle to new ride height. Cycle steering lock-to-lock & check all components for proper operation & clearances. Pay special attention to clearance between tires\wheels, control arms, brake hoses, ABS wiring, etc.
3. **Front Tighten & Torque Sequence.**  
Front upper control arm mounts using two (2) 22mm sockets \wrenches. Torque 207 ft-lbs.  
Front strut assembly upper mount using a 15mm socket \wrench. Torque 48 ft-lbs.  
Front strut assembly lower mount using two (2) 22mm sockets \wrenches. Torque 122 ft-lbs.  
Sway bar end link to lower control arm using a 19mm socket \wrench. Torque 55 ft-lbs.  
Front lower control arm mounts using two (2) 22mm sockets \wrenches. Torque 207 ft-lbs.

## **Final Notes:**

- After installation is complete, double check that all nuts & bolts are tight. Refer to following chart for proper torque specifications. (**Note:** Do not re-tighten nuts & bolts where thread lock compound was used.)
- With vehicle placed on ground, cycle steering lock to lock & inspect steering, suspension, brake lines, front & rear drivelines, fuel lines & wiring harnesses for proper operation, tightness & adequate clearance.
- Have headlights readjusted to proper settings.
- Have a qualified alignment center align vehicle to OEM specifications.
- After first 100 miles, check all hardware for proper torque & periodically thereafter.

<b>TORQUE SPECIFICATIONS</b>					
<b>INCH SYSTEM</b>			<b>METRIC SYSTEM</b>		
<b>Bolt Size</b>	<b>Grade 5</b>	<b>Grade 8</b>	<b>Bolt Size</b>	<b>Class 8.8</b>	<b>Class 10.9</b>
5/16	180 in-lbs	240 in-lbs	6MM	102 in-lbs	108 in-lbs
3/8	30 ft-lbs	35 ft-lbs	8MM	16 ft-lbs	23 ft-lbs
7/16	45 ft-lbs	60 ft-lbs	10MM	32 ft-lbs	45 ft-lbs
1/2	65 ft-lbs	90 ft-lbs	12MM	55 ft-lbs	75 ft-lbs
9/16	95 ft-lbs	130 ft-lbs	14MM	85 ft-lbs	120 ft-lbs
5/8	135 ft-lbs	175 ft-lbs	16MM	130 ft-lbs	165 ft-lbs
3/4	185 ft-lbs	280 ft-lbs	18MM	170 ft-lbs	240 ft-lbs
<b>Above Specifications Are Not to Be Used When Bolt Is Being Installed With a Bushing.</b>					

**Seat Belts Save Lives, Please Wear Your Seat Belt.**

# SKYJACKER

## SUSPENSIONS

SKYJACKER.COM

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- [innministries.org](http://innministries.org)
- [familychurch.org](http://familychurch.org)
- [kcm.org](http://kcm.org)

## 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! Amen.

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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**JESUS  
FORGIVES  
ROCKS  
DON'T**

## 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

Que si confiesas con tu boca que Jesús es el Señor, y crees en tu corazón que Dios lo levantó de entre los muertos, serás salvo. Porque con el corazón se cree para ser justificado, pero con la boca se confiesa 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! Amén.

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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