



WCM Racing K1-EVO 2016 Update Kit Installation Instructions

Thank you for purchasing the WCM Racing 2016 K1-EVO Update Kit. This project has been 2 years in the making and represents the best of what WCM Racing has to offer for our Sportsman and ECM cars.

There are many adjustments on these cars and those illustrated in this manual are a simply a guideline and good starting point that we had success with. You may find a setup that works better for you. So don't be afraid to experiment, and always take good notes!

Follow the instructions below for assembly. This guide has both pictures and words, so be sure to use both. The pictures are labeled with color-coded notations for easy reference.

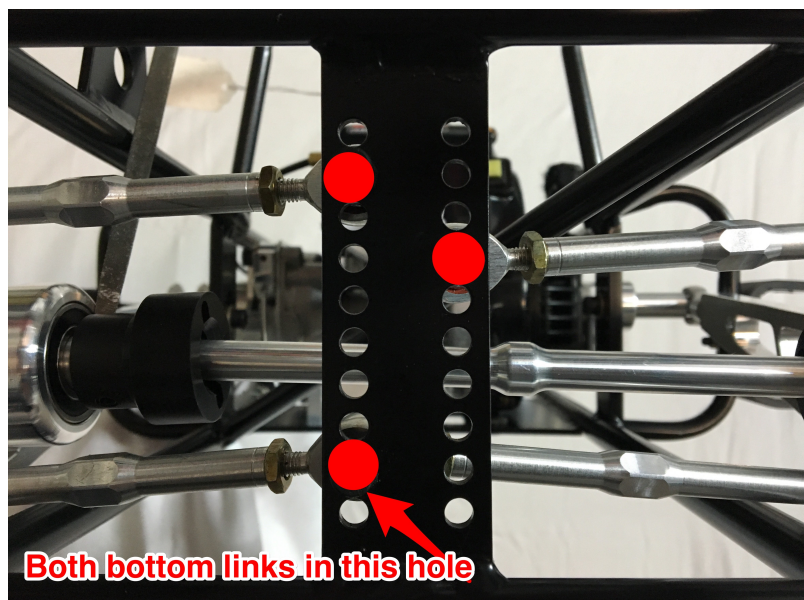
Red: Position or adjustment. The red notations show what position, orientation or measurement of a part.

Green: Bolt Size. The green notations show what bolt to use where.

Blue: Part Number and Description. The blue notations show what part is used where.

Rear End

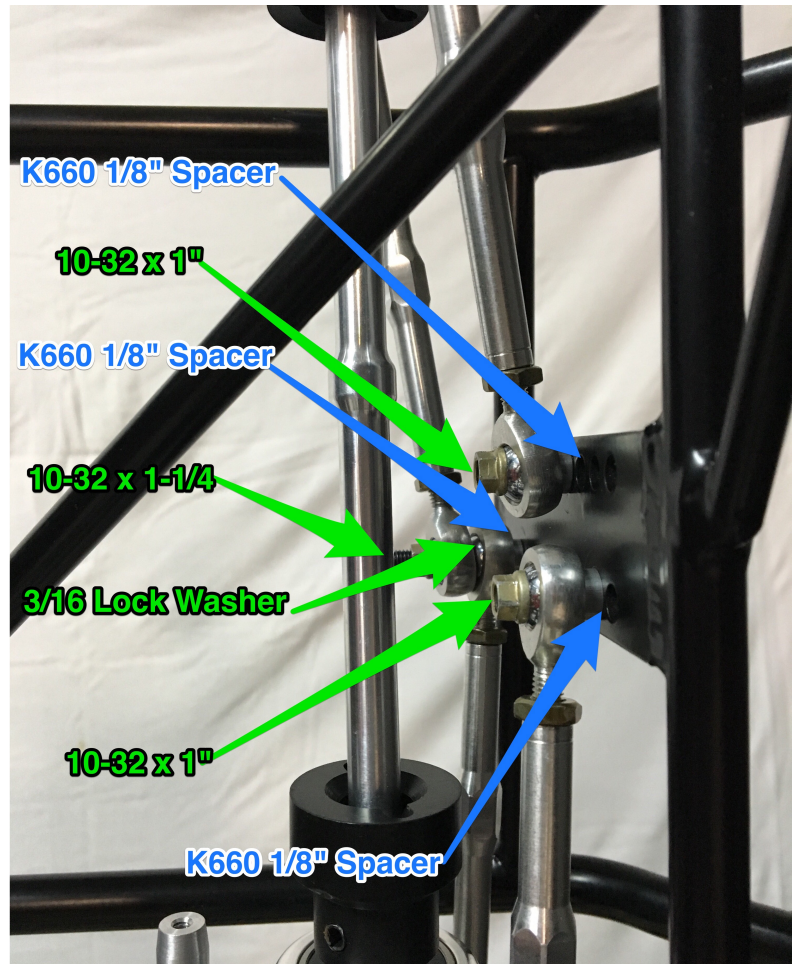
1) This is a good starting position for the radius rods. The existing left side rods are reused and mounted in the hole positions as shown. Take note that both bottom radius rods are stacked on top of each other and share the hole on the left of the chassis plate.



2) Find radius rods **L401** (4.25" upper right) and **L402** (5.00" lower right) and install jam nuts and heim joints.

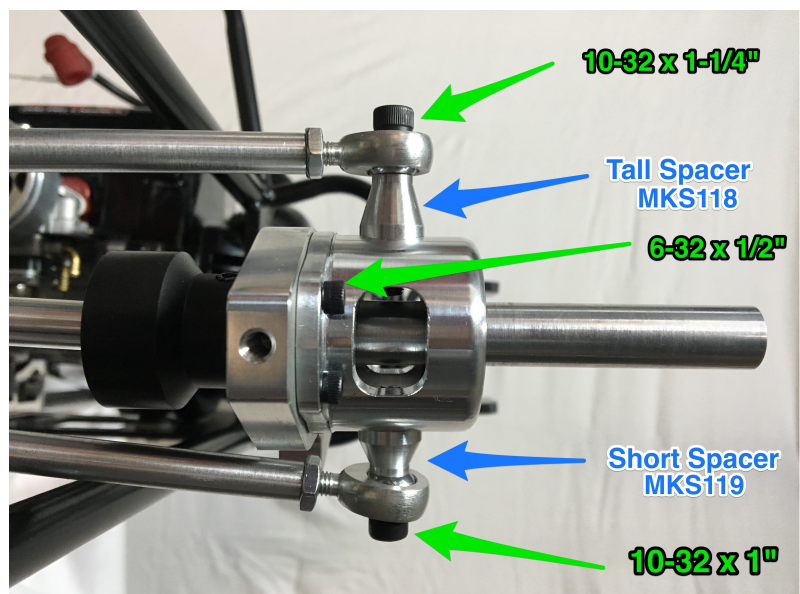
Left side radius rods are the same parts as they have been

3) Place **K660 1/8"** thick spacers between the chassis and heim on all 3 points. Use **10-32 x 1"** cap head bolts on the two upper radius rods. Use **10-32 x 1-1/4** cap head bolt on lower radius rods. Place right side lower heim on top of the left side lower heim with **3/16 lock washer** between the heims.

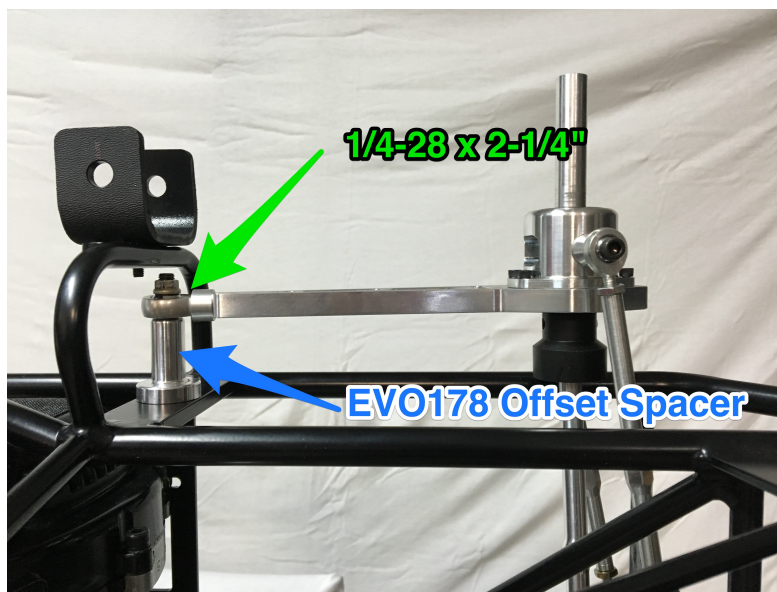


4) Install bearing bearings into bearing carriers **EVO216** and then install bearing carriers on to the trailing arms using 4x **6-32 x 1/2"** cap head bolts. Make sure that the left bearing carrier is to the inside of the car and the right is to the outside.

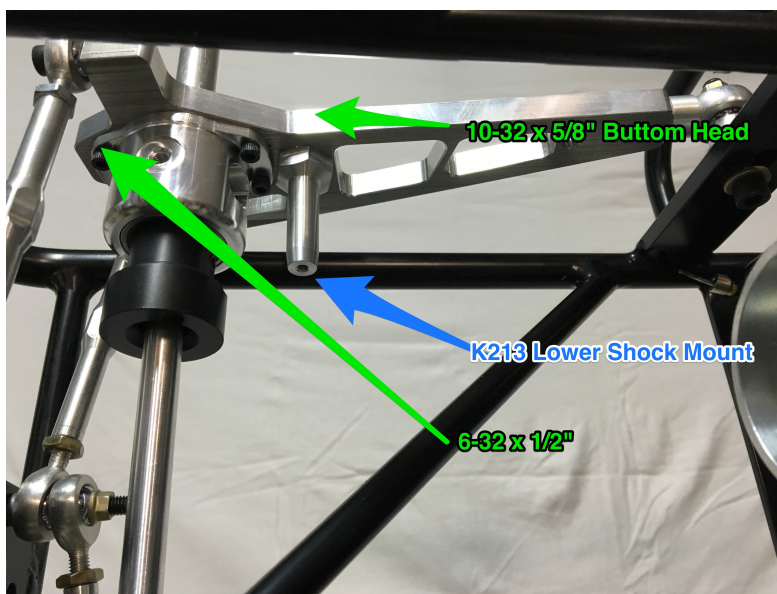
5) Attach radius rods to bearing carrier on right side as shown in the picture.



6) Use $\frac{1}{4}$ -28 x 2-1/4 bolt and EVO178 Offset spacer to attach right side trailing arm.

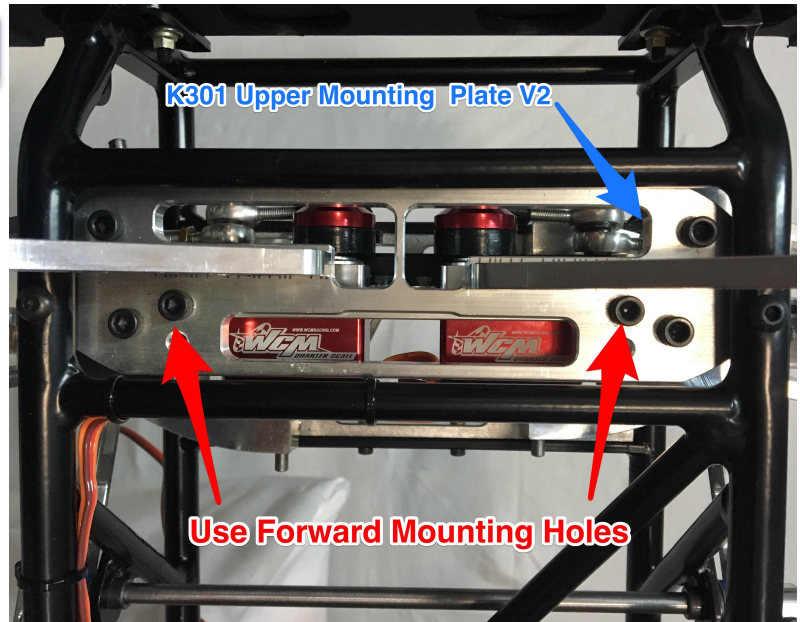


7) Use 10-32 x 5/8 button head bolt to attach the K213 Lower Shock Mount as shown. We recommend starting in the middle hole.

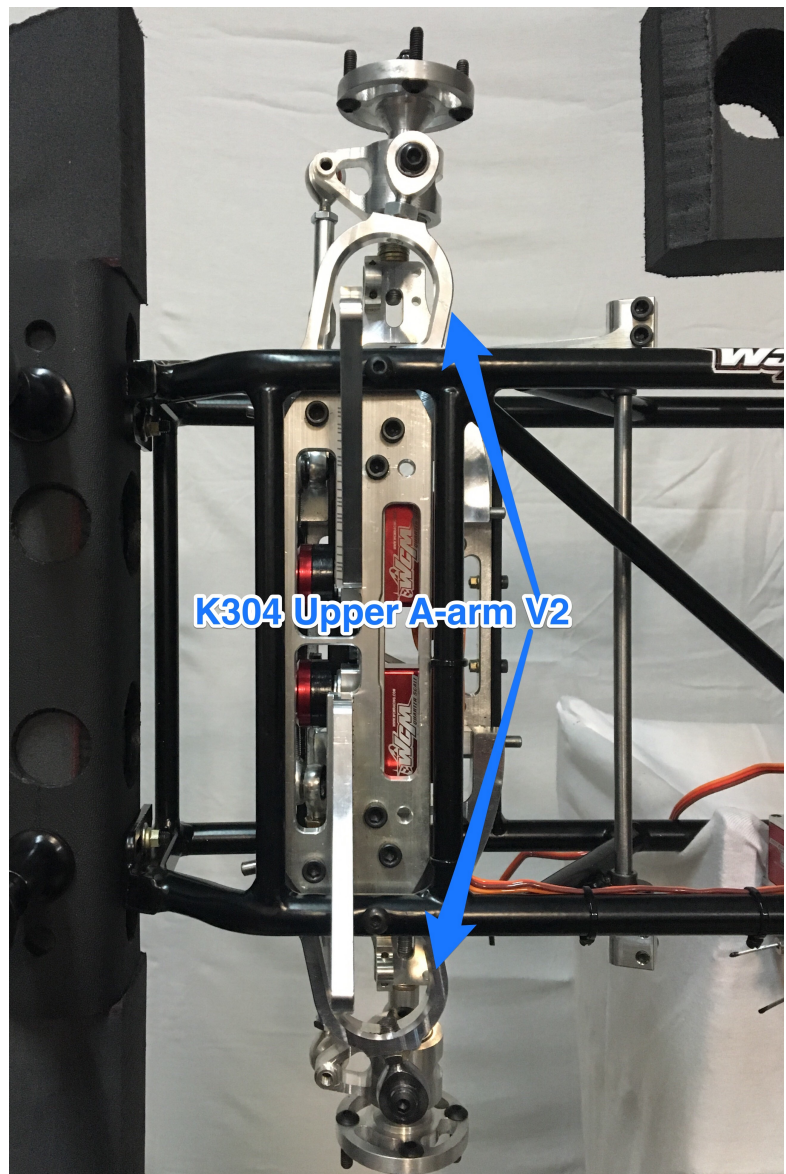


Front End

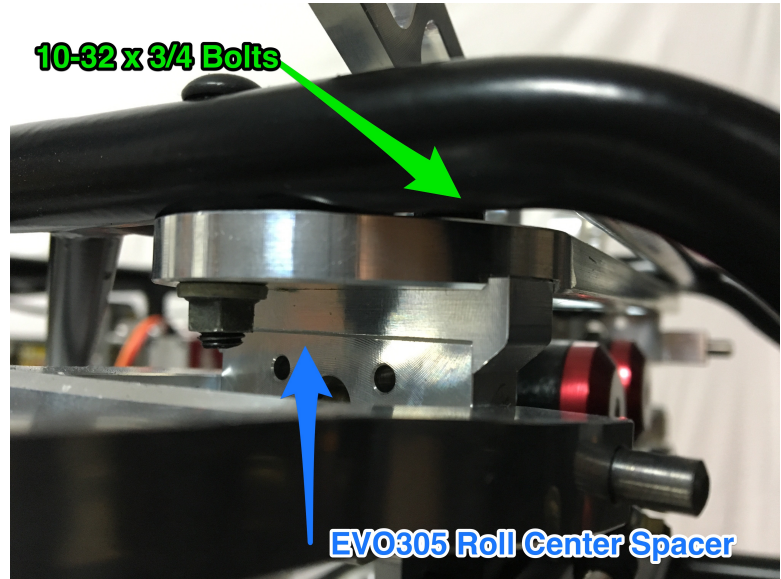
8) Install new [top plate K301](#). Make sure to use the forward mounting holes for the steering servo plate as shown in the picture.



9) Install [K304 Upper A-arms V2](#) as shown in the picture.

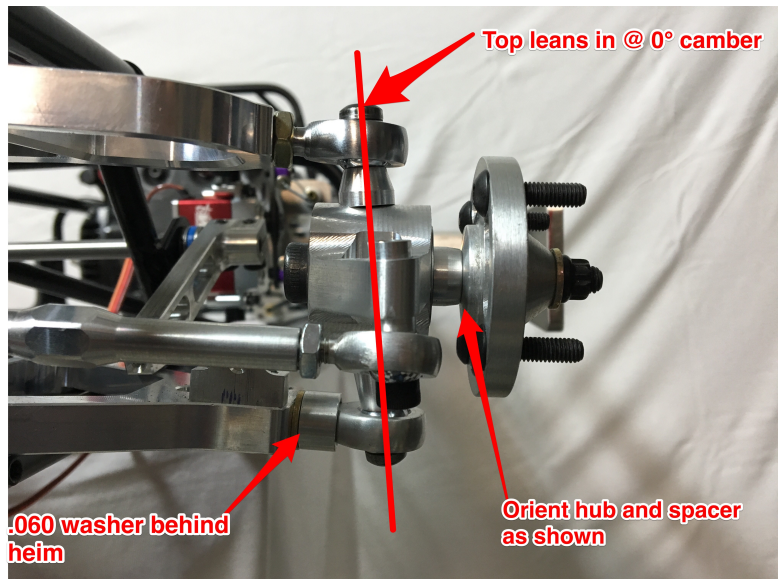


10) Install **EVO305 Roll Center Spacer** between right side upper pivot block and top plate using 2 **10-32 x 3/4 bolts**



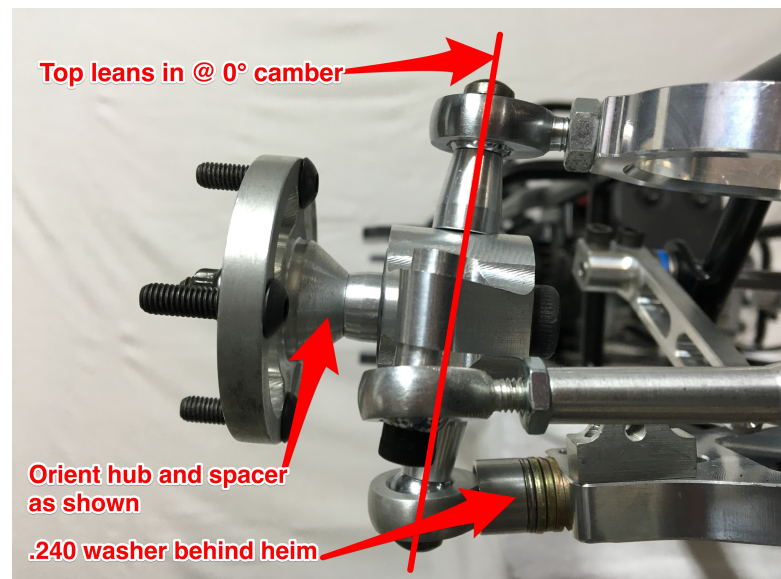
11) Install **left spindle (EVO202CL)** assembly as shown. Be sure to configure hub and spacer like the picture. Make sure the top leans in when the wheel has zero camber. If it does not, switch spindle housing sides.

Place a .060 washer between the lower heim support and the wishbone.



12) Install **right spindle (EVO202CR)** assembly as shown. Be sure to configure the hub as spacer like the picture. Make sure the top leans in when the wheel has zero camber. If it does not, switch spindle housing sides.

Place a .240 thick washer stack between the lower heim support and the wishbone.



Again, thank you for purchasing the K1EVO update kit. We hope you notice the improvements in performance that we did. Hardware is subject to change without notice. If you have any questions or comments feel free to contact us at chogue@wcmracing.com.

EVO Update Kit Parts List

1x EVO178 Right side trailing arm offset spacer
1x EVO165 Right side trailing arm
1x EVO164 Left side trailing arm
1x EVO216 Dog bone
1x L401 Right rear upper radius rod
1x L402 Right rear lower radius rod
2x EVO210 Bearing carriers
3x EVO135 Right rear axle spacers
1x MKS118 Tall right rear outer standoff
1x MKS119 Short right rear outer standoff
1x K213 Left rear lower shock mount
1x EVO305 Front roll center spacer
1x EVO202CL 5° left front spindle housing
1x EVO202CR 5° right front spindle housing
2x K304 Front upper A-arms V2
1x K301 Front upper mounting plate V2
1x HW202 Right side trailing arm bolt
3x K660 Spacers
3x 10-32 x 1" bolts
2x 10-32 x 1-1/4" bolts
2x 10-32 x 3/4" bolts
8x 6-32 x 1/2" bolts
1x 3/16 split lock washer

