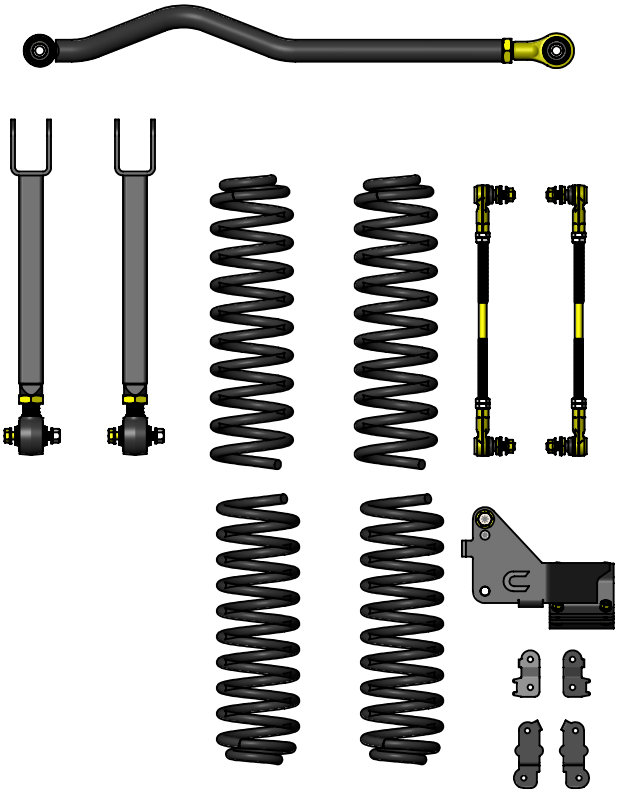
CLAYTON OFF ROAD
COR-3108215, COR-3108225, COR-3108235, COR-3108245 - 2 OR 4 DOOR KITS
COR-3108415, COR-3108425, COR-3108435, COR-3108445 - 4 DOOR KITS
JEEP WRANGLER 1.5", 2.5", 3.5", 4.5" RIDE RIGHT + LIFT KITS (2007-2018, JK)



2 OR 4 DOOR KIT



4 DOOR KIT

NOTES: This product may require general welding, fabrication and automotive mechanic skills. Welding should only be done by a competent welder. Clayton Off Road implies no guarantees or warranties and is not liable for improper installation. Some grinding and fitment may be required when installing this product. Every vehicle varies slightly and some fabrication may be required.
For more information please visit our website.

Recommended starting lengths for track bars and control arms. These lengths can be adjusted as needed for caster angle, drive shaft angles and tire clearance. Please make sure to not exceed the maximum length of the control arms or track bars.

Lift Height	Stock	2 Door 1.5" Lift		2 Door 2.5" Lift		2 Door 3.5" Lift		2 Door 4.5" Lift	
Suspension Component	Decimal	Decimal (in)	Fraction (in)	Decimal (in)	Fraction (in)	Decimal (in)	Fraction (in)	Decimal (in)	Fraction (in)
Front Lower Control Arms	22.621	22.750	22-3/4"	22.881	22-7/8"	23.055	23-1/16"	23.269	23-1/4"
Front Upper Control Arms	18.773	18.688	18-11/16"	18.795	18-13/16"	18.908	18-7/8"	19.074	19-1/16"
Rear Lower Control Arms	19.764	20.000	20"	20.000	20"	20.000	20"	20.000	20"
Rear Upper Control Arms	17.421	18.125	18-1/8"	18.125	18-1/8"	18.125	18-1/8"	18.125	18-1/8"
Front Track Bar	32.383	32.438	32-7/16"	32.647	32-5/8"	32.796	32-13/16"	32.974	33"
Rear Track Bar with Bracket	40.090	40.023	40-1/16"	40.023	40-1/16"	40.119	40-1/8"	40.119	40-1/8"

Lift Height	Stock	4 Door 1.5" Lift		4 Door 2.5" Lift		4 Door 3.5" Lift		4 Door 4.5" Lift	
Suspension Component	Decimal	Decimal (in)	Fraction (in)	Decimal (in)	Fraction (in)	Decimal (in)	Fraction (in)	Decimal (in)	Fraction (in)
Front Lower Control Arms	22.621	22.750	22-3/4"	22.881	22-7/8"	23.055	23-1/16"	23.269	23-1/4"
Front Upper Control Arms	18.773	18.688	18-11/16"	18.795	18-13/16"	18.908	18-7/8"	19.074	19-1/16"
Rear Lower Control Arms	19.764	20.000	20"	20.000	20"	20.000	20"	20.000	20"
Rear Upper Control Arms	17.421	17.750	17-3/4"	17.750	17-3/4"	17.750	17-3/4"	17.750	17-3/4"
Front Track Bar	32.383	32.438	32-7/16"	32.647	32-5/8"	32.796	32-13/16"	32.974	33"
Rear Track Bar	40.090	40.023	40-1/16"	40.023	40-1/16"	40.119	40-1/8"	40.119	40-1/8"

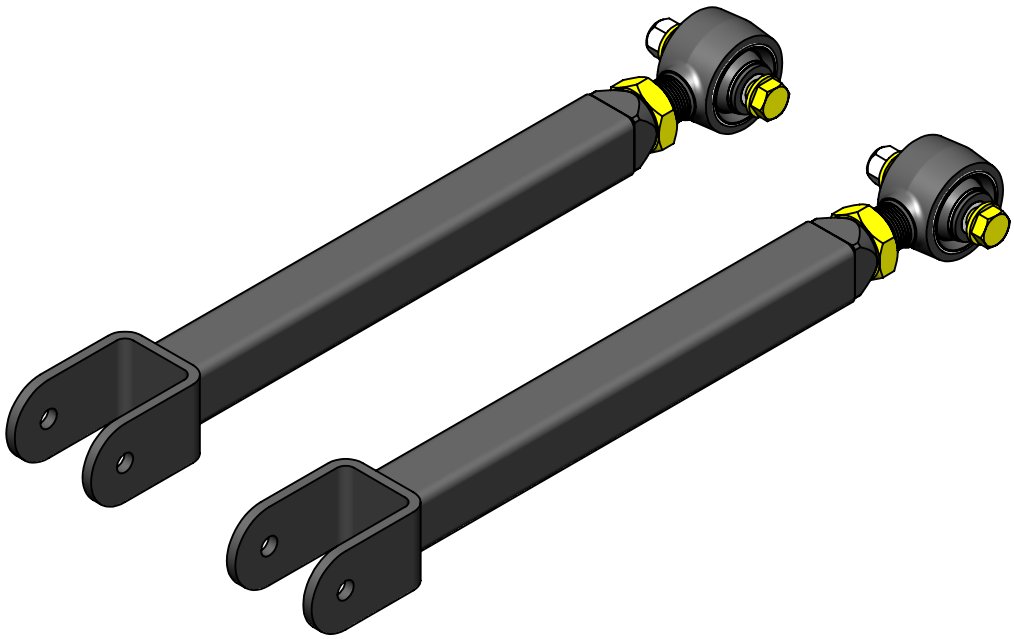
Refer to individual product part number instructions.

Step 1: Position front of vehicle on jack stands or complete vehicle on lift.
Step 2: Support front axle.
Step 3: Remove front tires.
Step 4: Loosen front track bar bolts.
Step 5: Remove heat shields and loosen upper and lower control arm bolts.
Step 6: Loosen front upper and lower control arm bolts.
Step 7: Remove front sway bar links.
Step 8: Remove front shocks.
Step 9: Remove brake line clips at frame and axle on both sides.
Step 10: Unclip and disconnect all wires going to the front axle.
Step 11: Lower front axle.
Step 12: Remove front springs.
Step 13: Remove front upper control arm on one side.
Step 14: Install front upper control arm part number COR-1708101
Step 15: Repeat steps 13 and 15 on other side.
Step 17:Remove front track bar.
Step 18: Install front track bar part number COR-4508100.
Step 19: Install front springs part number COR-1508250, COR-1508350, COR-1508450 depending on lift size.
Step 20: Install front shocks.
Step 21: Remove rear sway bar links.
Step 22: Install rear sway bar links in the front of the vehicle.
Step 23: Install brake line extensions and brake line clips at axle.
Step 24: Clip and connect all wires going to the front axle.
Step 25: Install front tires.
Step 26: Position rear of vehicle on jack stands or complete vehicle on lift.
Step 27: Support rear axle.
Step 28: Remove rear tires.
Step 29: Loosen rear track bar bolts.
Step 30: Loosen rear upper and lower control arm bolts.
Step 31: Remove brake line clips at frame on both sides.
Step 32: Unhook e-brake cables from bracket on body.
Step 33: Unclip and disconnect all wires going to the rear axle.
Step 34: Remove rear shocks.

Refer to individual product part number instructions.

Step 35: Lower rear axle.
Step 36: Remove rear springs.
Step 37: Remove rear upper control arm on one side.
Step 38: Install rear upper control arm part number COR-1709103.
Step 39: Repeat steps 37 and 39 on other side.
Step 40: Remove rear track bar.
Step 41: Install rear track bar bracket part number COR-4508200.
Step 42: On 4 door models reuse stock track bar on 2 door models install adjustable track bar part number COR-4508110.
Step 43: Install rear springs part number COR-1508251, COR-1508351, COR-1508451 depending on lift size.
Step 44: Install rear shocks.
Step 45: Install rear sway bar links part number COR-5109110.
Step 46: Install brake line extensions.
Step 47: Clip and connect all wires going to the rear axle.
Step 48: Install rear tires.
Step 49: With vehicle sitting at ride height center both front an rear axles under the vehicle by adjusting the front and rear track bars.
Step 50: In the next 2 steps it is very important to set the caster and pinion angle with a jack with the bolts at one end removed then adjust the length of the upper control arms so they are loaded up equally when the jack is removed.
Step 51: Adjust length of front upper arms to have a caster angle of 4.0 degrees. This angle should be within plus or minus 1.00 degrees.
Step 52: Adjust rear pinion angle to keep lower spring perches aligned with upper spring perches. On 2 door models it will be necessary to roll the pinion up to avoid the rear drive shaft from binding on full droop.
Step 53: Tighten all track bar and control arm bolts.
Step 54: Tighten all track bar and control arm jam nuts.

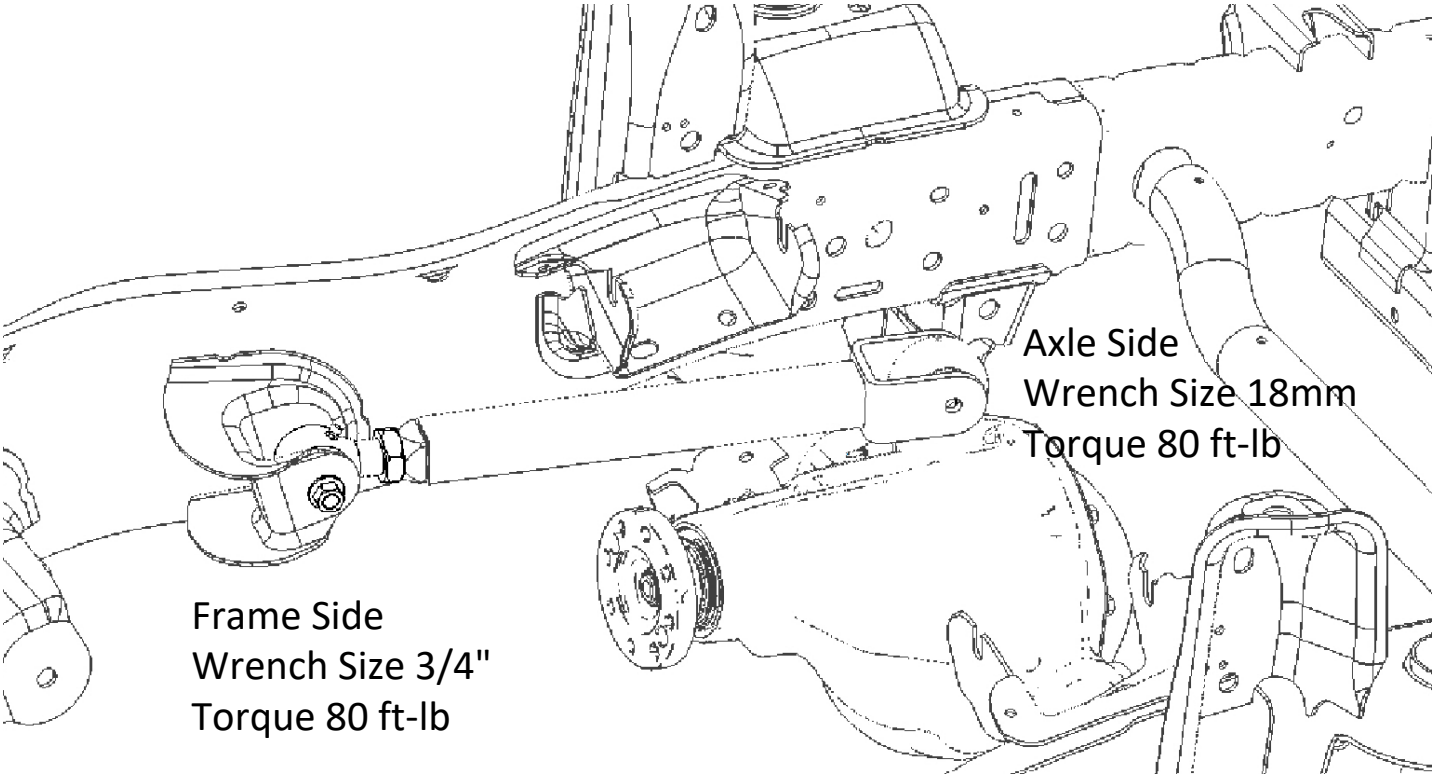
Clayton Off Road
COR-1708101
Jeep Wrangler Overland + Front Upper Control Arms (2007-2018, JK)



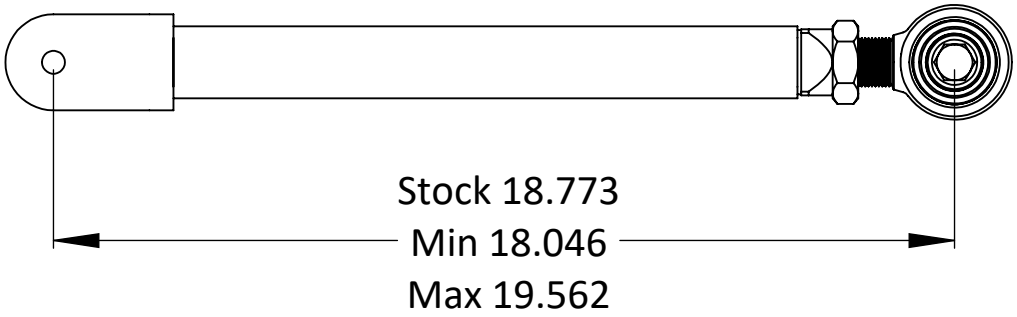
NOTES: This product may require general welding, fabrication and automotive mechanic skills. Welding should only be done by a competent welder. Clayton Off Road implies no guarantees or warranties and is not liable for improper installation. Some grinding and fitment may be required when installing this product. Every vehicle varies slightly and some fabrication may be required. For more information please visit our website.

Refer to pictures below.

Step 1: Support axle from rotating, a floor or bottle jack works well.
Step 2: Remove old control arms.
Step 3: Set caster to 4.5 to 5.5 degrees by adjusting the height of the jack.
Step 4: Install arms at frame side.
Step 5: Adjust control arm to length so that bolts can easily be installed at axle end.
Step 6: Remove jack, and check caster.
Step 7: Torque all bolts to 80 ft-lb.
Step 8: Tighten jam nut using a 1-7/16" wrench.



Refer to drawing below for minimum and maximum lengths.



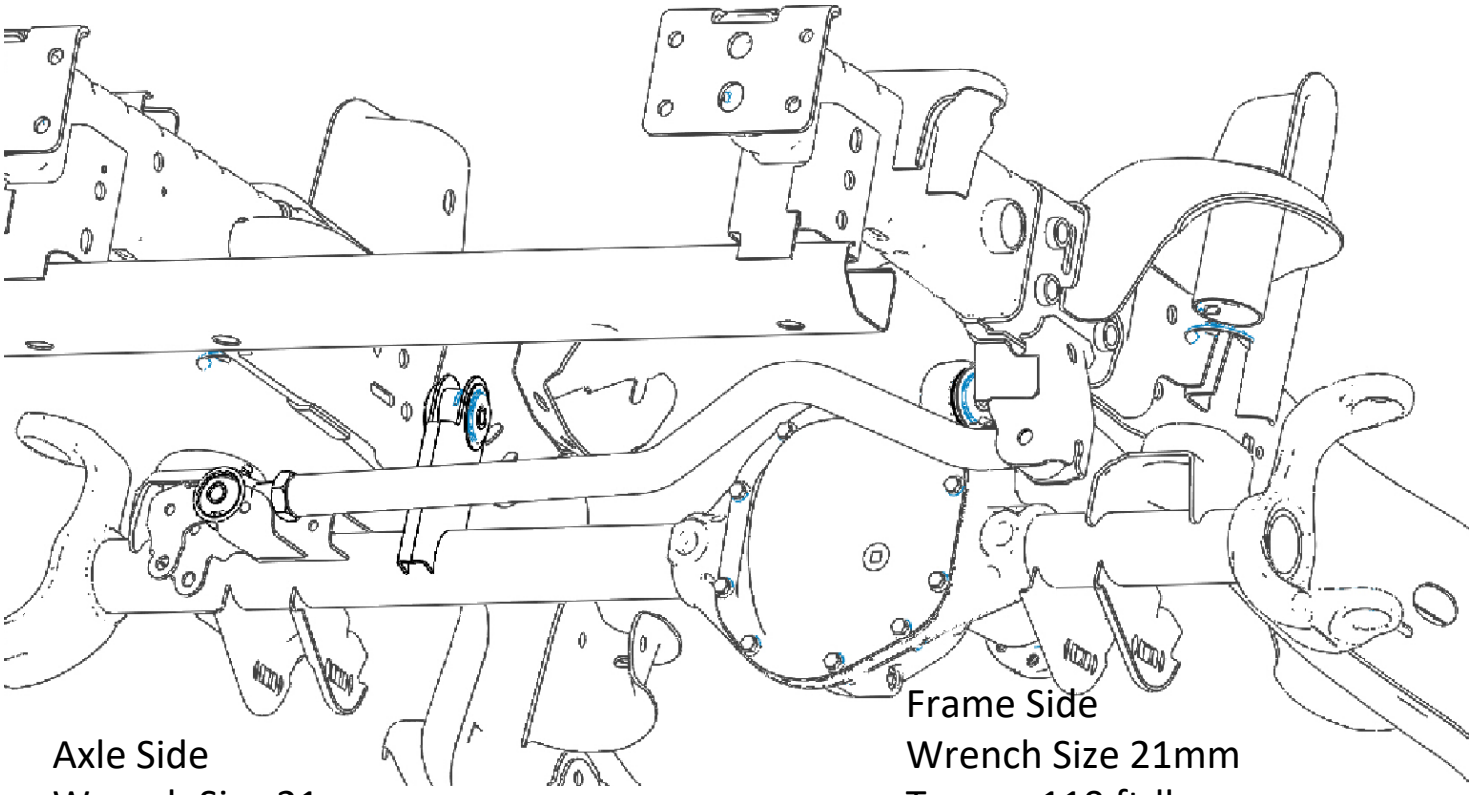
Clayton Off Road
COR-4508100
Jeep Wrangler Adjustable Front Track Bar (2007-2018, JK)



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Refer to pictures below.

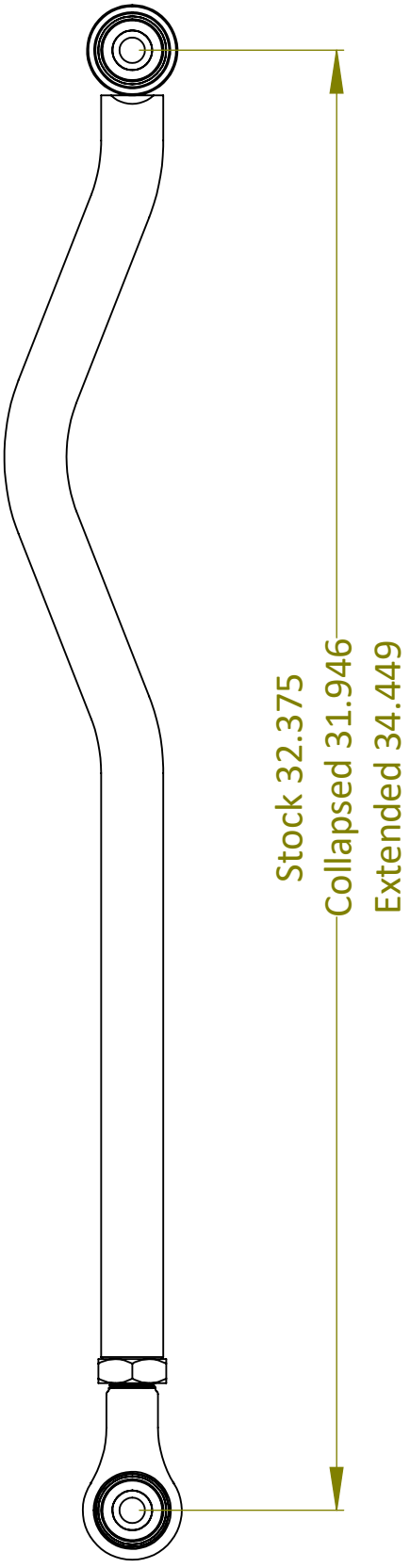
Step 1: Remove old track bar.
Step 2: Center frame on axle.
Step 3: Measure length from axle side mount to frame side mount.
Step 4: Adjust track bar to length and run jam nut up to track bar tube.
Step 5: Install new track bar with adjustment end on axle.
Step 6: Install track bar bolts and nuts.
Step 7: Torques both bolts to 110 ft-lb.
Step 8: Tighten jam nut using a 1-7/16" wrench.
Step 9: Make sure Johnny Joint at frame side is centered in bracket.



Axle Side
Wrench Size 21mm
Torque 110 ft-lb

Frame Side
Wrench Size 21mm
Torque 110 ft-lb

Refer to drawing below for minimum and maximum lengths.



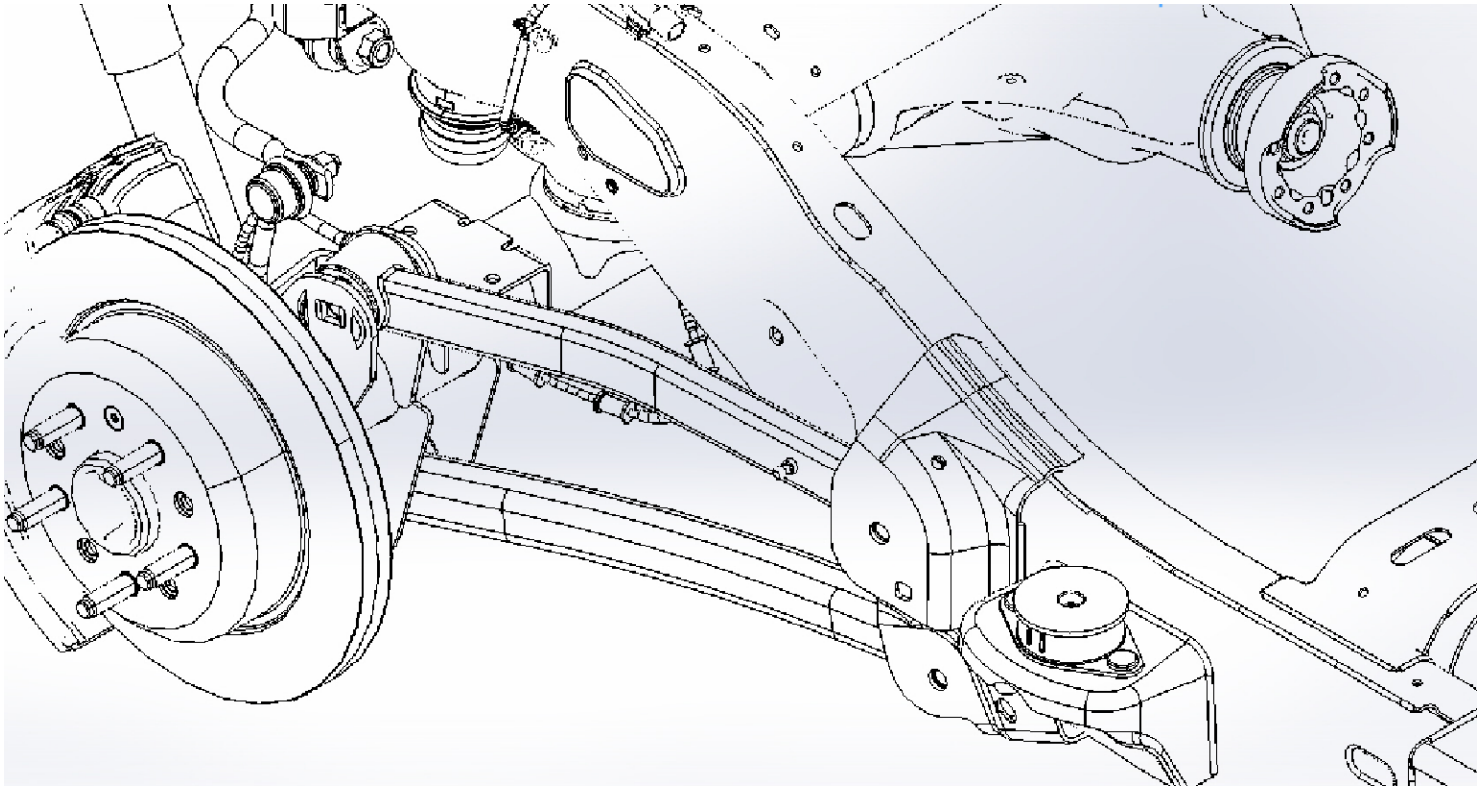
Clayton Off Road
COR-1709103
Jeep Wrangler Overland + Rear Upper Control Arms (2007 & Up, JK/JL)



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Refer to pictures below.

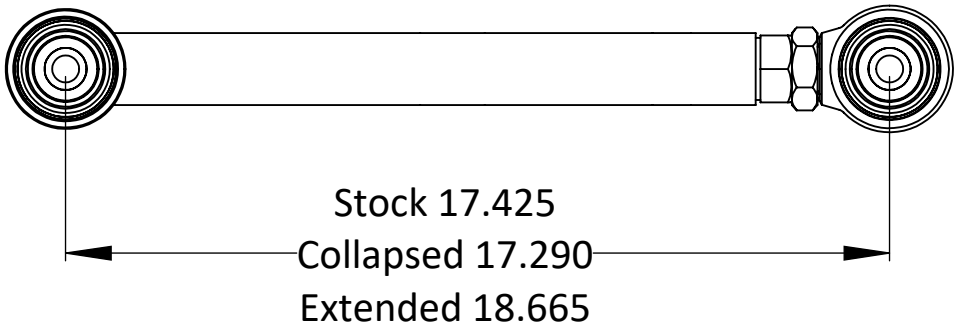
Step 1: Support axle from rotating, a floor or bottle jack works well.
Step 2: Remove old control arms.
Step 3: Set pinion angle desired pinion angle by adjusting the height of the jack.
Step 4: Install arms at frame side, arm should bow towards frame & adjuster at axle end.
Step 5: Adjust control arm to length so that bolts can easily be installed at axle end.
Step 6: Remove jack, and pinion angle.
Step 7: Torque all bolts to 95 ft-lb at axle end and 120 ft-lb at frame end.
Step 8: Tighten jam nut using a 1-7/16" wrench.



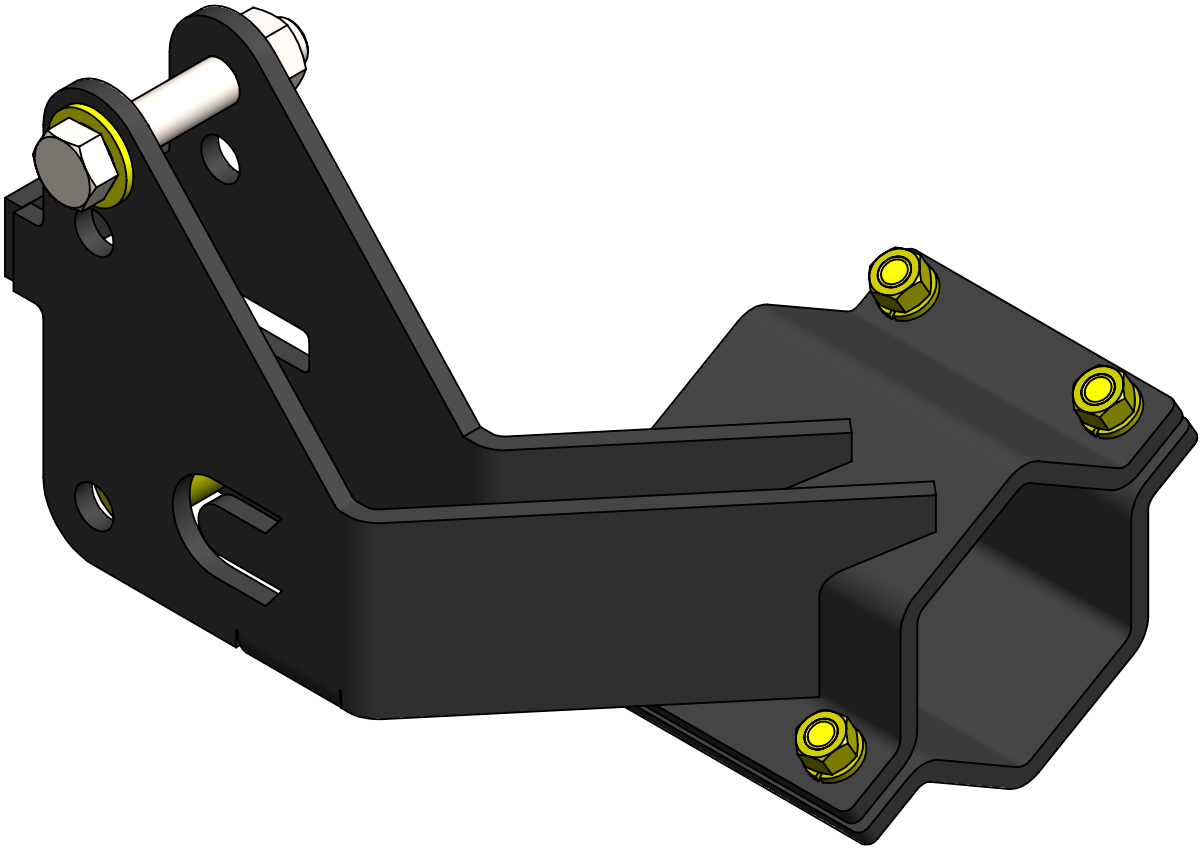
Axle Side
Wrench Size 21mm
Torque 95 ft-lb

Frame Side
Wrench Size 21mm
Torque 120 ft-lb

Refer to drawing below for minimum and maximum lengths.



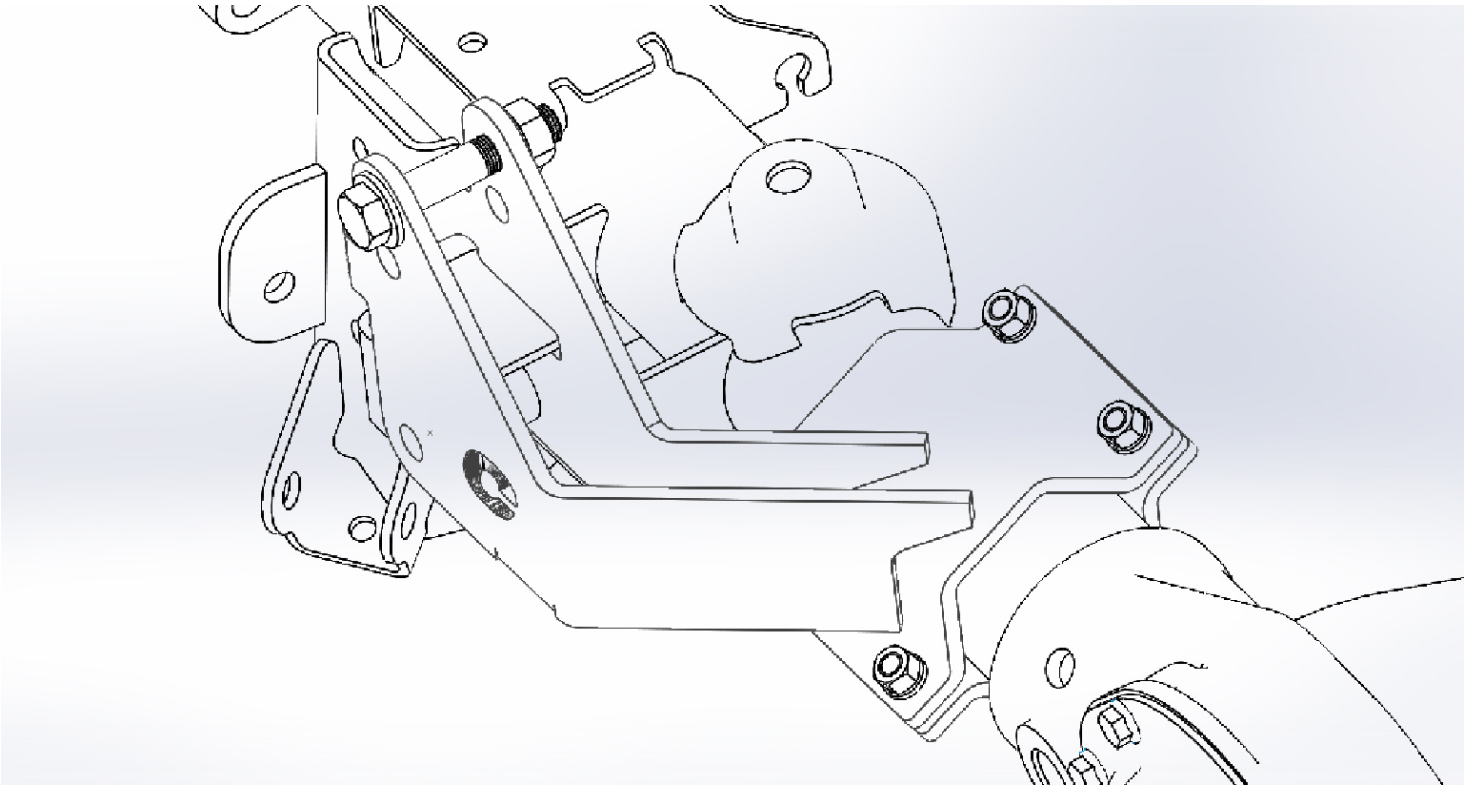
Clayton Off Road
COR-4508200
Jeep Wrangler Rear Track Bar Relocation Bracket (2007-2018, JK)



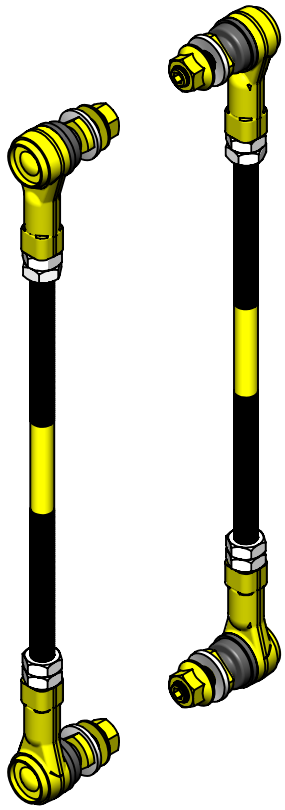
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Refer to pictures below.

Step 1: Remove track bar bolt at axle end.
Step 2: Loosen track bar bolt at frame end.
Step 3: Position track bar bracket on axle.
Step 4: Install spacer and old track bar bolt through track bar bracket on axle.
Step 5: Install back half off track bar bracket clamp using 3/8" hardware as shown.
Step 6: Torque 3/8" bolts to 60 ft-lb.
Step 8: Install track bar at axle end.
Step 9: Torque all track bar bolts to 110 ft-lb.



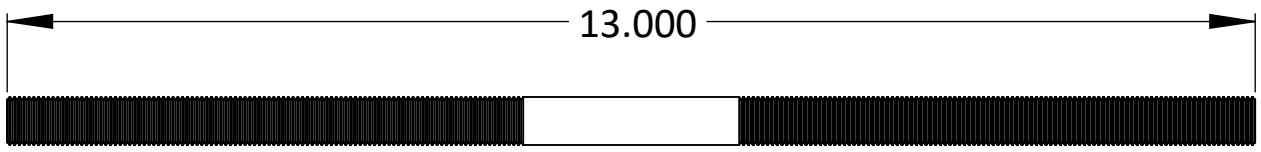
Clayton Off Road
COR-5109100
Jeep Wrangler Adjustable Rear Sway Bar End Links (2007 & Up, JK/JL)



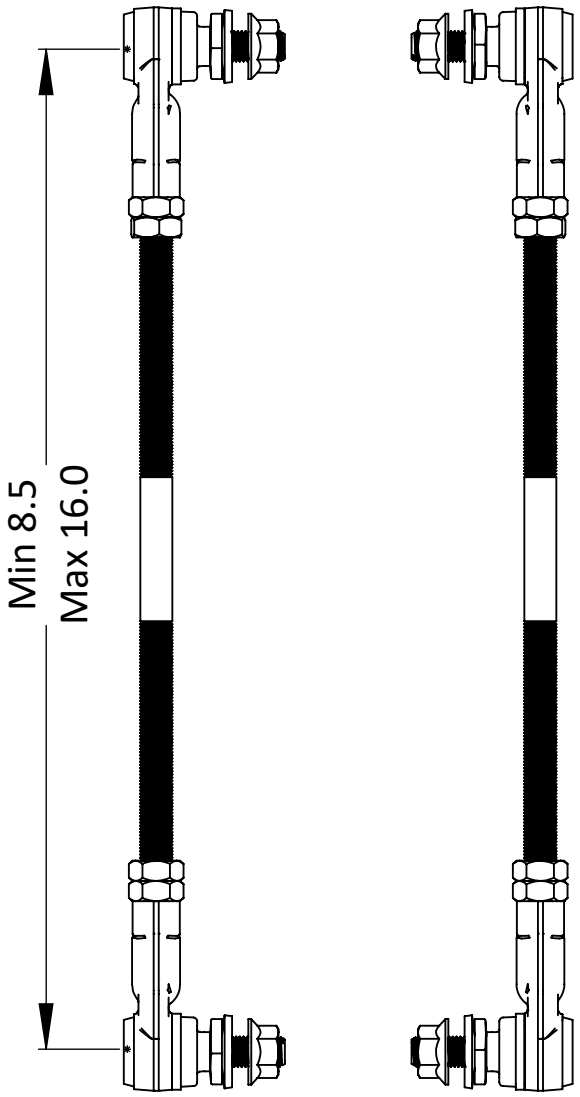
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Refer to pictures below.

Step 1: Remove old sway bar end links.
Step 2: Make sure vehicle is at ride height.
Step 3: Refer to the spread sheet below to determine how much to cut from each end of threaded rod.
Step 4: Cut threaded rod.
Step 5: Deburr end of threaded rod.
Step 6: Install two jam nuts on each end of rod.
Step 7: It maybe necessary to lock the 2 jam nuts against each other to thread rod end on.
Step 8: Install sway bar links with the studs facing in.
Step 9: Make sure all rod ends are centered.
Step 10: Torque all nuts, bolts and jam nuts to 60 ft-lb.
Step 11: Cycle the suspension through its full travel, check for binding and adjust rod length if needed.
Step 12: Do not exceed maximum length.
Step 13: Make sure to keep at least 3/4" of thread engagement with rod end.



Refer to drawing below for minimum and maximum lengths.



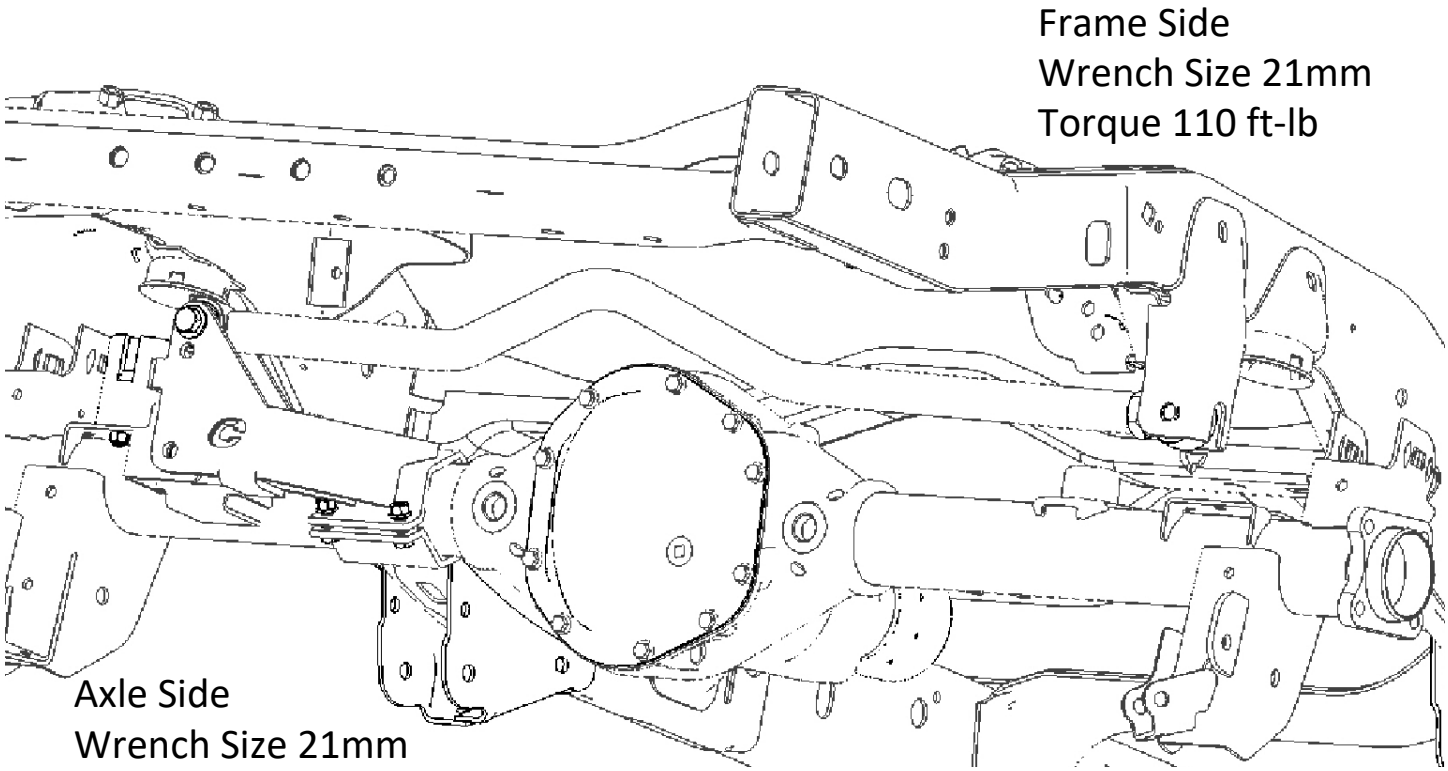
Clayton Off Road
COR-4508110
Jeep Wrangler Adjustable Rear Track Bar (2007-2018, JK)



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Refer to pictures below.

Step 1: Remove old track bar.
Step 2: Center frame on axle.
Step 3: Measure length from axle side mount to frame side mount.
Step 4: Adjust track bar to length and run jam nut up to track bar tube.
Step 5: Install new track bar with adjustment end on frame.
Step 6: Install track bar bolts and nuts.
Step 7: Torques both bolts to 110 ft-lb.
Step 8: Tighten jam nut using a 1-7/16" wrench.
Step 9: Make sure Johnny Joint at frame side is centered in bracket.



Refer to drawing below for minimum and maximum lengths.

