MAVERICK

2022+ Ford Maverick 4WD lift kit installation guide.

Professional installation recommended.

IMPORTANT!

Lifting and modifying the suspension on your vehicle may result in drive line vibrations, damaged bushings, erratic handling characteristics, and shortened suspension component life. HRG Offroad recommends the following:
-Checking and/or replacing worn drive axles with new parts, not remanufactured.
-Checking and/or replacing all worn factory rubber bushings with urethane bushings, such as Prothane.
-Checking and/or replacing worn shock absorbers and bump stops.
-Performing a 4-wheel alignment after working on suspension components.
Lift kits may not be legal for use on public highways in your area. Please check local laws before installing!!

WARNING!

Lifted vehicles are more prone to rolling over.
Some HRG Offroad products are designed to improve off-road capabilities. Modifying the suspension of your vehicle may result in handling characteristics that are different from a factory equipped vehicle. Extreme care must be used to prevent a rollover or loss of control. Always operate your modified vehicle at a reduced speed to ensure your ability to maintain control under all driving conditions. Driving your vehicle in an unsafe manner may result in serious injury or death. HRG Offroad lift kits are designed and tested to work together. HRG Offroad does not recommend combining this lift kit with any other type of suspension or body lift. Always wear your seat belt.

Recommended tire/wheel sizes:

245/60/18 18x8 +38 wheels
245/65/17 17x8 +38 wheels
245/70/16 16x7 +20 wheels

Be sure to check fitment prior to installation! These sizes are only suggestions. HRG is not responsible for improperly fitted wheels/tires.

Included in the kit:

2 1.5" front lift spacers (Non-Tremor)
2 1.25 front lift spacers (Tremor)

2 1.0" rear lift spacers
6 M8x16 bolts (spacer mounting bolts)
4 1.25x1" M14 spacers (trailing arms)
4 M14x70mm bolts (trailing arms)
2 0.75x0.5 M8 spacers (brake line spacers)
2 M6x25 bolts (brake line spacers)
2 M14 Front Camber adjustment bolts
2 replacement sway bar end links
2 ABS wire relocation brackets

Tools required:

Floor Jack or lift, lug wrench, metric socket set to 21mm, metric wrench set to 21mm, T40 Torx bit, panel removal tool, bench grinder or flap wheel, power drill, drill bit set, torque wrench and heavy hammer.

Approximate installation time 2-3 hours

Front installation:

Step 1. Lift vehicle and support with jack stands.

Step 2. Remove wheels.

Step 3. Remove brake/ABS lines from driver side strut.

Step 4. Using 18mm wrench and Torx T40 bit, remove sway bar link.

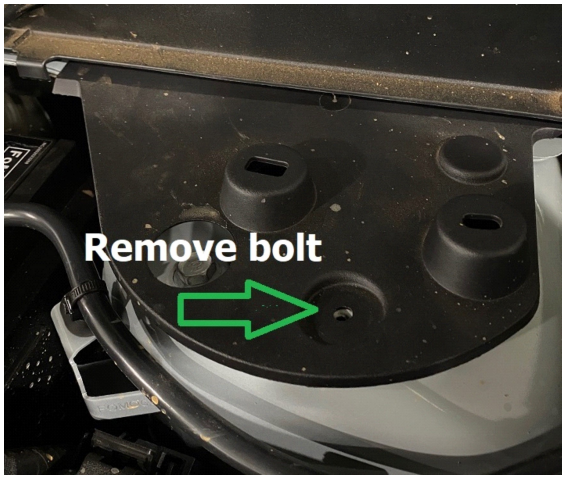
Step 5. Remove nuts connecting strut to knuckle. Strike bolts carefully with hammer to slide bolts out. Do not use an impact to back bolts out of knuckle.

NOTE: Do not allow the hub to fall loose, as the axle may come out of the inner CV joint.

Step 6. Support knuckle with floor jack or screw jack.

Step 7. Using a panel removal tool, pry up plastic cowl cover.

Step 8. Using a 10mm socket, remove plastic panel covering strut bolts.



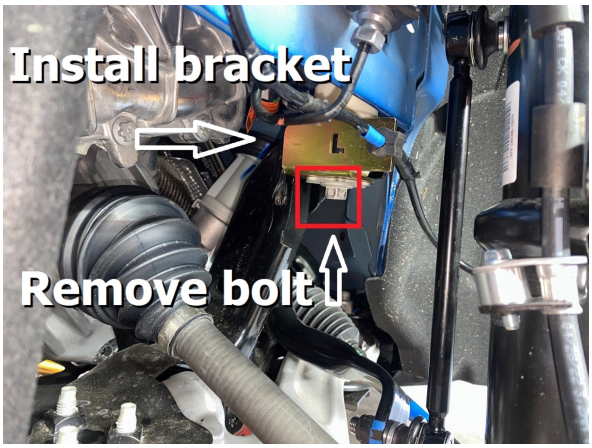
Step 9. Remove M8 bolts at the top of the strut connecting strut to strut tower. Remove strut. Save hardware for reinstallation.

Step 10. Disconnect ABS wire from wheel sensor.

Step 11. Unclip and route wire below brake line bracket and plug back into wheel sensor. (see photo)

Step 12. Remove mounting bolt (see photo)

Step 13. Install ABS wire relocation bracket as shown, reinstall mounting bolt.

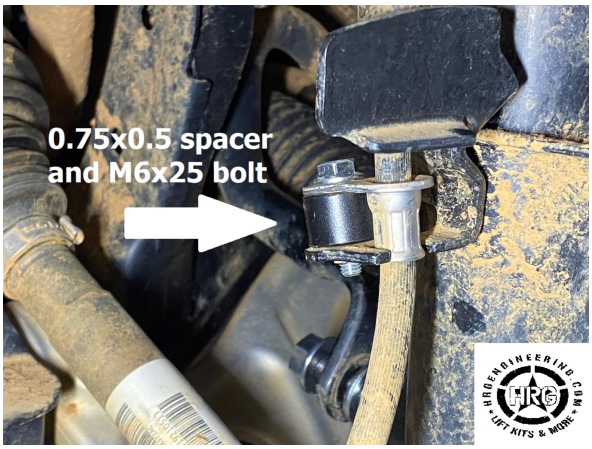


Step 14. Install lift spacers onto strut using supplied M8x16 bolts as shown.

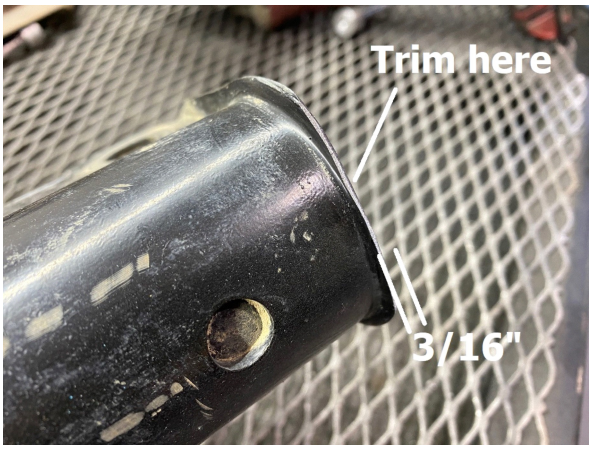
Step 15. Reinstall strut with spacer attached, using original hardware through the shock tower and into the spacer.

Step 16. Replace plastic shock tower cover.

Step 17. Place 0.5x0.75 spacer between brake line and brake line mounting bracket on the strut. Secure with supplied M6x25 bolt.

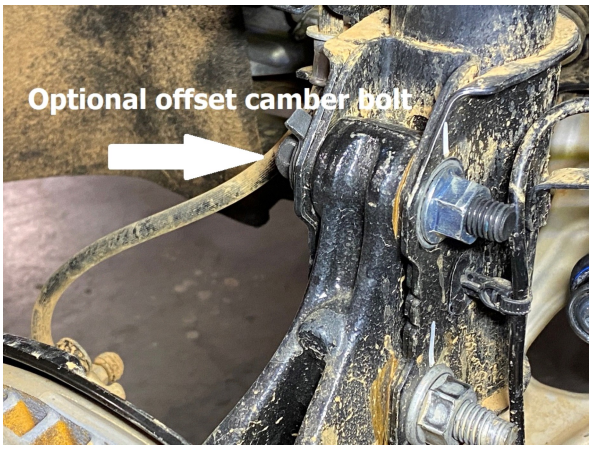


Step 18. Trim 3/16" from outer edge of bottom of strut to gain additional clearance from axle shaft as shown in photos below. Touch up with anti-rust paint.



Step 19. Install lower bolt connecting strut to knuckle.

Step 20. Install offset camber adjustment bolt in place of upper strut bolt. (Optional: see separate instructions included with bolts.)



Step 21. Install supplied shorter sway bar end link.

Step 22. Repeat steps 3-19 for passenger side.

Step 23. Tighten all bolts.

Rear installation:

Step 1. Lift vehicle and support with jack stands.

Step 2. Remove wheels.

Step 3. Loosen all 4 bolts holding rear subframe to body, allowing subframe to drop approximately one inch.

Step 4. Remove front 2 bolts, place 2.75x1 M14 spacers between subframe and body.

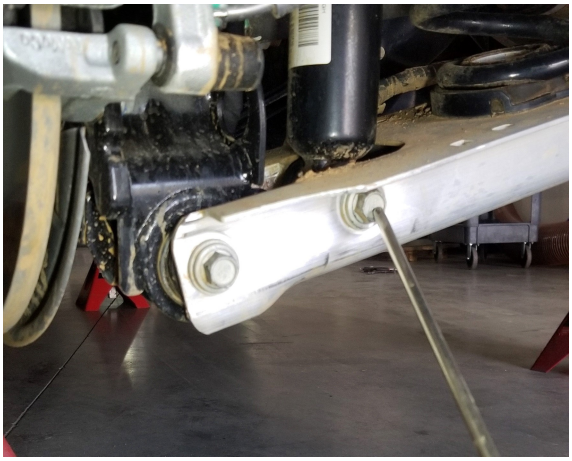
Step 5. Install M14x130 bolts provided in the kit in place of front 2 bolts.

Step 6. Remove rear 2 bolts, place 2.75x1 M14 spacers between subframe and body.

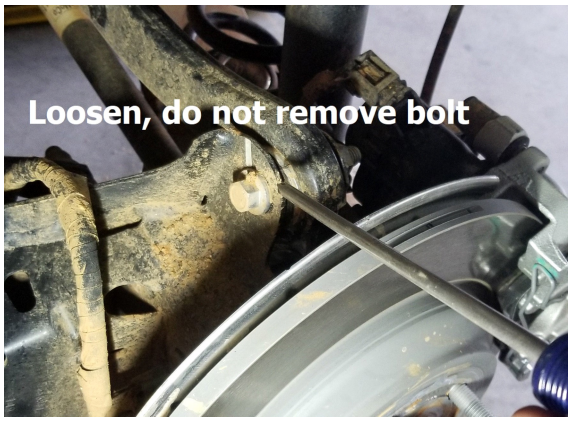
Step 7. Install remaining M14x130 bolts in place of rear 2 bolts.

Step 8. Starting on the driver side: Use an 18mm wrench and Torx T40 bit to disconnect sway bar end link from sway bar.

Step 9. Using 15mm socket remove shock mounting bolt from lower control arm.



Step 10. Loosen but do not remove upper control arm bolt.



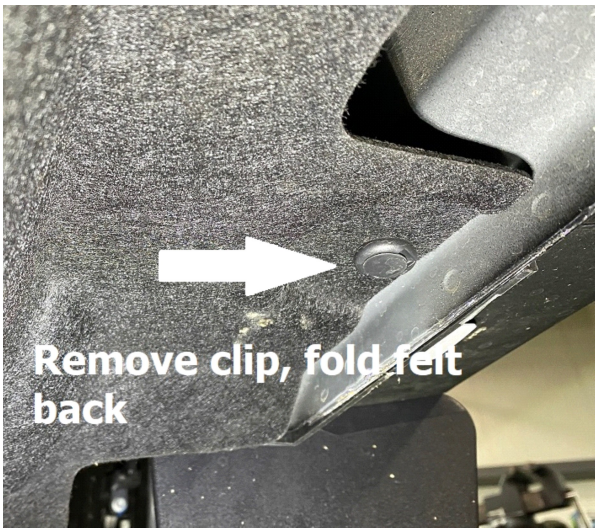
Step 11. Support lower control arm with jack or screw jack.

Step 12. Remove bolt holding lower control arm to wheel hub.

Step 13. Carefully release spring tension by lowering jack or screw jack.

Step 14. Remove spring and upper rubber isolator.

Step 15. Fold back felt cover to gain access to trailing arm bolts. **(Base, Big Bend, Outer Banks ONLY.)**



Step 16. Remove 2 bolts holding trailing arm to body.

Step 17. Place provided 1.25x1 M14 spacers between trailing arm and body.

Step 18. Install provided M14x70 bolts to secure trailing arm.

Step 19. Place rubber isolator over rear spring spacer. It is a tight fit; heavy pressure is needed.

Step 20. Install spring and spacer.

Step 21. Using a jack, lift the lower control arm into position to line up bolt hole on wheel hub.

Step 22. Reinstall bolt holding lower control arm to wheel hub.

Step 23. Using a jack, lift or lower control arm until shock bolt holes line up.

Step 24. Reinstall bolt holding shock to lower control arm.

Step 25. Reinstall sway bar end link.

Step 26. With the lower control arm lifted (simulating the position it will be in with the car on the ground) tighten all bolts.

Note: Tightening the bolts with the arms in the air may cause premature bushing failure.

Step 27. Repeat steps 3-20 for passenger side.

Step 28. Reinstall wheels and lower vehicle.

Step 29. Get a professional 4-wheel alignment.

Note: Installing a lift kit will change the suspension geometry and will require a 4-wheel alignment.

Warning: Failure to follow the procedures in these installation instructions may result in unsafe handling characteristics, damage to vehicle, or loss of control.

For tech support, please call 1-844- HRG LIFT (474-5438) from 8-5 EST Mon-Fri or email us 24/7 at support@hrgoffroad.com.

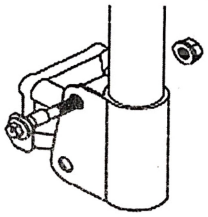
This product is intended for off-road use only!!

WARNING: THE NUTS ON THESE BOLTS HAVE A SELF-LOCKING FEATURE. THE NUT WILL STOP TURNING ONCE YOU REACH THIS POINT AND YOU CAN NO LONGER TURN IT BY HAND. YOU MUST USE A TORQUE WRENCH TO TIGHTEN THEM TO THE SPECIFICATIONS LISTED BELOW. ONCE TORQUED, THE NUT WILL LOCK ONTO THE BOLT.
For camber changes greater than 1 degree, it will be necessary to install camber bolts in upper and lower bolt

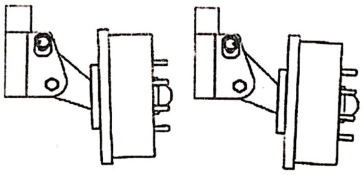
locations in the strut flange.

1. Check and document initial alignment readings
2. Raise vehicle and remove tire/wheel assembly
3. Remove upper strut bolt (do not loosen lower strut bolt)
4. Install slotted washer on bolt.
5. Insert camber bolt with washer through the strut/spindle assembly in the same direction the OEM bolt came out. Snug lock nut but do not tighten
6. Loosen lower strut bolt. On models with splined spindle bolt, drive bolt out until splines are free from flange.
7. Reinstall tire/wheel assembly and alignment equipment or simply use Camber Kwik gauge. Rotate camber bolt until desired camber is achieved.
8. Tighten all bolts and torque but DO NOT EXCEED TORQUE SPECIFICATIONS.
9. Proceed with rest of alignment and road test vehicle.

Insert Mega Cam, with the washer already on bolt into the strut housing in the same direction the OE bolt came out.



Point the marking located on the head of the Mega Cam towards the inside of the vehicle for full negative camber.



Point the marking located on the head of the Mega Cam towards the outside of the vehicle for full positive camber.

Part #	Max. Torque	Specifications
1001	60 ft. lbs.	12mm Ultra Cam
1002	100 ft. lbs.	14mm Ultra Cam
1003	100 ft. lbs.	15mm Ultra Cam
1004	150 ff. lbs.	16mm Ultra Cam
1005	150 ft. lbs.	17mm Ultra Cam

Limited Warranty

Subject to Disclaimer. All Revotechnica products are warranted against defects in materials and workmanship for ninety (90) days from date of purchase. During the warranty period, Revotechnica will repair, or at its option replace at no charge, components that prove to be defective. The product must be returned, shipping prepaid, to Revotechnica facility. This limited warranty does not apply if the product is damaged by accident or misuse. The foregoing warranty is in lieu of all other warranties expressed or implied including but not limited to any implied warranty of merchantability, fitness, or adequacy for any particular purpose or use Revotechnica shall not be liable for any special, incidental or consequential damages whether in contract, tort, or otherwise resulting from the use of or the inability to use the product.

WARRANTY DISCLAIMER

Use of this product in competition, or use on vehicles altered from original manufacturer's specifications or settings.. EXPRESSLY VOIDS WARRANTY. The user is urged to inspect for suspension binding or interference when the product is used in these manners. However, due to the varying conditions and manner of use which the product will be subjected to in such uses, Revotechnica makes no warranties, either express or implied, including any warranty of merchantability or fitness for a particular purpose for use in competition or with specifications or setting other than those specified by the original manufacturer's specifications.

Checklist:

__ BS2123F-1.5/1.25(Tremor (2) 5-a

__ BS2123R-1.0 (2)	5-c
__ BS2123 SBEL (2)	5-e
__ BS2123 BLS (1 pack of 2)	2-j
__ BS2123 ABS bracket (1 L and 1 R)	2-o
__ M14x70 (1 pack of 4)	1-q
__ 2.75x1 M14 (4)	20-A
__ M14x130 (1 pack of 4)	23-C
__ 1.25x1 M14 (1 pack of 4)	2-v
__ CAMBOLT - 14	1-d
__ sticker	