



2022+ Ford Maverick HYBRID 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 5071
- 2 1.0" rear lift spacers 5074
- 6 M8x16 bolts (spacer mounting bolts)
- 4 1.25x1" M14 spacers (trailing arms)
- 4 M14x70mm bolts (trailing arms)
- 2 0.75x0.5 M6 spacers (brake line spacers)
- 2 M6x25 bolts (brake line spacers)
- 2 M14 Front Camber adjustment bolts

- 2 replacement sway bar end links
- 4 2.75x1 M14 spacers (rear subframe)
- 4 M14x130mm bolts (rear subframe)
- 2 0.75x1 M8 spacers (muffler brackets)
- 2 M8x60mm bolts (muffler brackets)
- 2 ABS wire relocation brackets
- 1 wire relocation bracket
- 1 M6x20mm bolt
- 1 M6 nut

Tools required:

Floor Jack or lift, lug wrench, metric socket set to 22mm, metric wrench set to 21mm, T40 Torx bit, panel removal tool, bench grinder or flap wheel, 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.

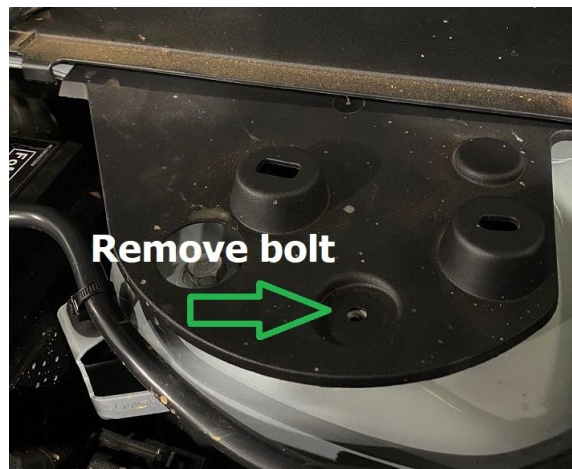
Step 6. Support knuckle with floor jack or screw jack.



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.

Step 10. Remove strut. Save hardware for reinstallation.

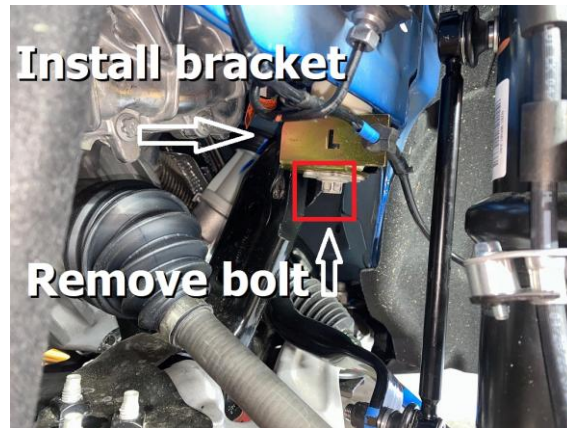
Step 11. Remove ABS wiring from inner fender.

Step 12. Disconnect ABS wire from wheel sensor.



Step 13. Remove subframe mounting bolt with the star shaped washer (see photo below)

Step 14. Install ABS wire relocation bracket as shown, reinstall mounting bolt.



Step 15. Reroute ABS wire as shown brake line bracket and plug back into wheel sensor. (See photo)

Step 16. Install lift spacers onto strut using supplied M8x16 bolts as shown.

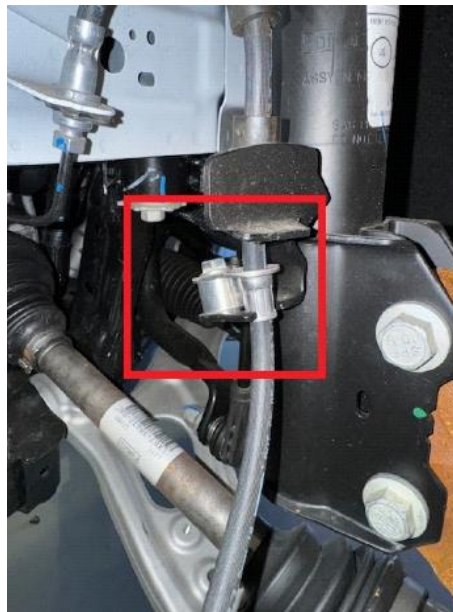


Step 17. Reinstall strut with spacer attached, using original hardware through the shock tower and into the spacer.



Step 18. Replace plastic shock tower cover.

Step 19. Place 0.5x0.75 spacer between brake line and brake line mounting bracket on the strut. Secure with supplied M6x25 bolt.



Step 20. Install lower bolt connecting strut to knuckle.

Step 21. Install offset camber adjustment bolt in place of upper strut bolt. (See separate instructions included with bolts.)



Step 22. Wait until all other steps are completed on BOTH sides to install supplied shorter sway bar end link.

Step 23. Repeat steps 3-23 for passenger side.

Step 24. 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.

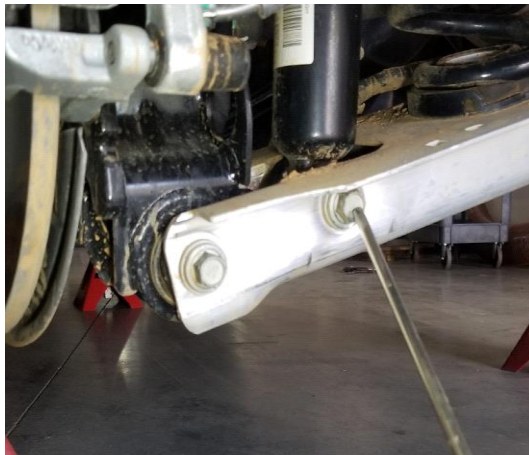
Step 5. Install M14x130 bolts provided in the kit in place of front 2 bolts.

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

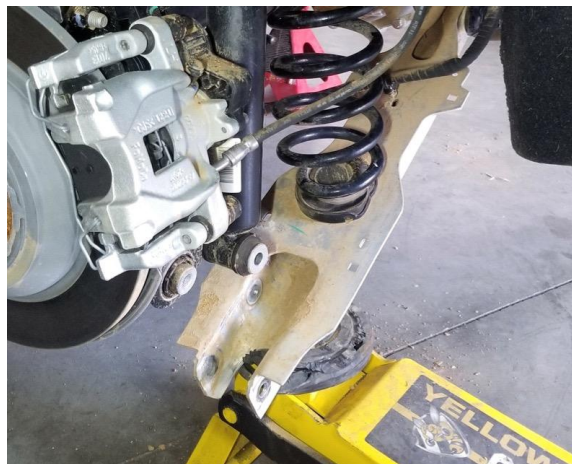
Step 8. Support lower control arm with floor jack or screw jack.

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



Step 10. Remove bolt holding lower control arm to wheel hub.

Step 11. Carefully release spring tension by lowering jack or screw jack.



Step 12. Remove spring and upper rubber isolator.



Step 13. Fold back felt liner to access trailing arm mounting bolts.



Step 14. Remove 2 bolts holding trailing arm to body.



Step 15. Place provided 1.25x1 M14 spacers between trailing arm and body.

Step 16. Install provided M14x70 bolts to secure trailing arm.



Step 17. Reinstall felt liner.

Step 18. Place rubber isolator over rear spring spacer. It is a tight fit, heavy pressure is needed.



Step 19. Trim felt fender liner as shown in photo.



Step 20. Remove 2 bolts holding rear shock to inner fender, remove shock.

Step 21. Attach shock extension plate to shock using hardware provided in the kit.



Step 22. Place 2 1.25x1 M12 spacers between shock extension and body, bolt to body using hardware provided in the kit. (see photo)



Step 23. Fold back felt liner to access trailing arm mounting bolts.

Step 24. Install spring and spacer.

Step 25. Using a jack, lift lower control arm into position to line up bolt hole on shock.



Step 26. Reinstall lower shock bolt.

Step 27. Using a jack, lift lower control arm until wheel hub holes line up.

Step 28. Reinstall wheel hub bolt.

Step 29. Reinstall sway bar end link.

Step 30. Repeat steps 8-29 for passenger side.

Step 31. With the lower control arm lifted up (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 32. Remove bolt holding driver side muffler mounting bracket.

Step 33. Remove nut and bolt holding wiring harness and muffler mounting bracket on passenger side.

Step 34. Install 0.75x1 M8 spacer between driver side muffler mounting bracket and body, install M8x60 bolt.

Step 35. Install 0.75x1 M8 spacer between passenger side muffler mounting bracket and body, install wiring harness relocation bracket, M8x60 bolt. Reattach wiring harness using M6 bolt and nut included in the kit. (see photo)



Step 36. Reinstall wheels and lower vehicle.

Step 37. Get a professional 4 wheel alignment.

Step 38. Find some trails!



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 8-4:30 PM EST
Mon-Thu 8-3:30 PM Fri or email us 24/7 at support@hrgoffroad.com.**

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

Copyright HRG Offroad. 2024

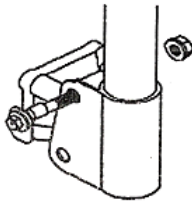
CAMBER BOLT INSTRUCTIONS

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.

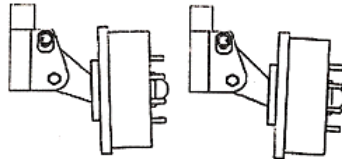
For camber changes greater than 1 degree, it will be necessary to install camber bolts in upper and lower bolt locations in the strut flange.

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 ft. 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:

- ___ BS2122-1.5F 5071 (2)
- ___ BS2122-1.0R 5074 (2)
- ___ BS2122 SBEL (2)
- ___ BS2123 BLS (1 pack of 2)
- ___ BS2122 ABS bracket (1 L and 1 R)
- ___ M14x70 (1 pack of 4)(BS)

___ 1.25x1 M14 (1 pack of 4)

___ 2.75x1 M14 (4)

1 Bolt Pack:

___ M14x130 (4)

___ BS2123MWB (2 m8x60 bolts 2 .75x1 spacers 1 m6x20 bolt 1 m6 nut)

___ CAMBOLT - 14

___ Ruler

___ sticker