



CX-70

2024+ Mazda CX-70 1.5" lift kit installation guide

Professional installation is recommended

FOR OFF-ROAD USE ONLY!

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:

STOCK SIZE 19 INCH WHEEL: 265/55/19 (30.5")

255/60/19 (31")

255/65/19 (32")

STOCK SIZE 21 INCH WHEEL 275/45/21 (30.7")

285/50/21 (31.1")

275/50/21 (31.8")

WITH 18X8.5" +20 AFTERMARKET WHEELS:

255/65/18 (31")

265/65/18 (31.6")

275/65/18 (32.1")

MAX TIRE SIZE: (MAY REQUIRE MODIFICATION TO FRONT OF FENDER LINERS)

285/65/18 (32.6")

WITH 17X8.5" +15 AFTERMARKET WHEELS

255/70/17 (31")

265/70/17 (31.6")

275/70/17 (32.2")

****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 inch front lift spacers

2 1.5 inch rear lift spacers

6 M10 nuts

4 M12 nuts

4 "pac-man" spacers (rear subframe)

4 1.5" M14 0.25" spacers (rear subframe)

2 .75x0.5 M6 spacers (rear ABS wiring)

2 M6x25mm bolts (rear ABS wiring)

Installation time: Approximately 3-4 hours

Front installation

Parts needed:

- 2 1.5 inch front spacers
- 6 M10 nuts

Tools needed:

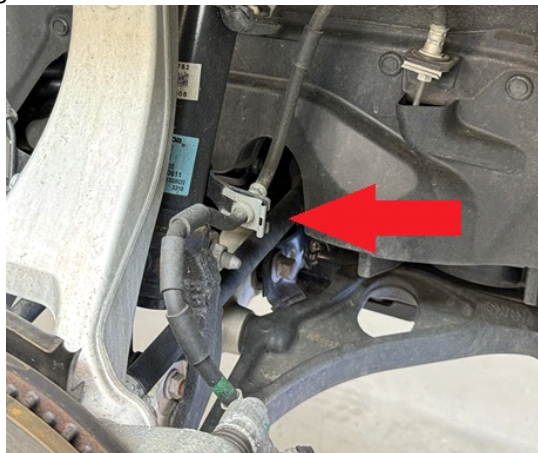
Floor jack, lug wrench, impact driver, 14mm socket, 17mm socket 19mm socket, 6mm hex key, large hammer, 17mm wrench, large pry bar.

Step 1. Lift vehicle and remove wheels.

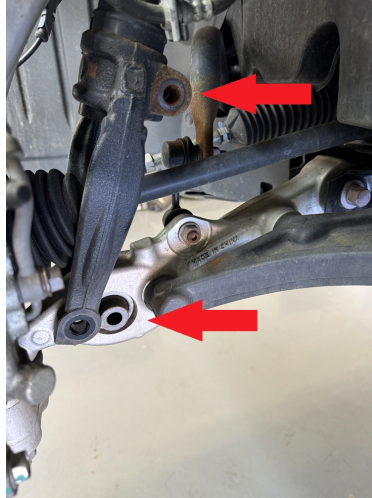
Step 2. Remove bolt holding driver side steering knuckle to upper control arm.



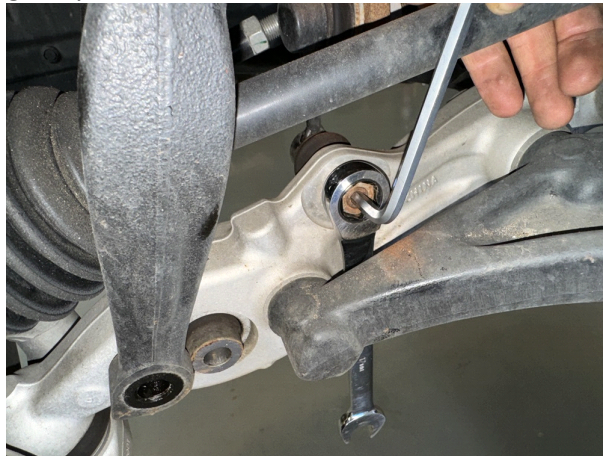
Step 3. Remove C-clip holding the brake line to the strut.



Step 4. Remove bolts holding strut fork to strut and lower control arm.

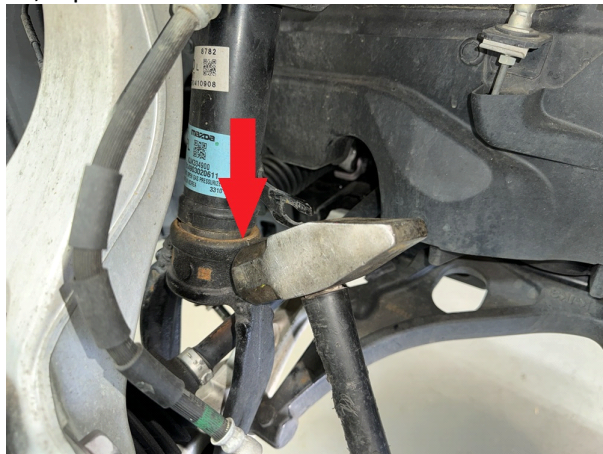


Step 5. Remove bolt holding sway bar end link to lower control arm.

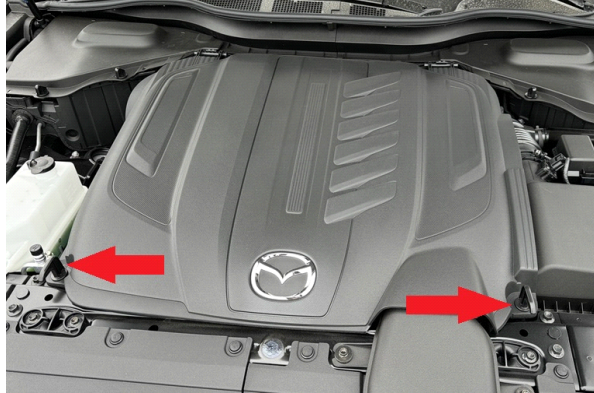


Step 6. Push suspension assembly downward to release strut fork from lower control arm.

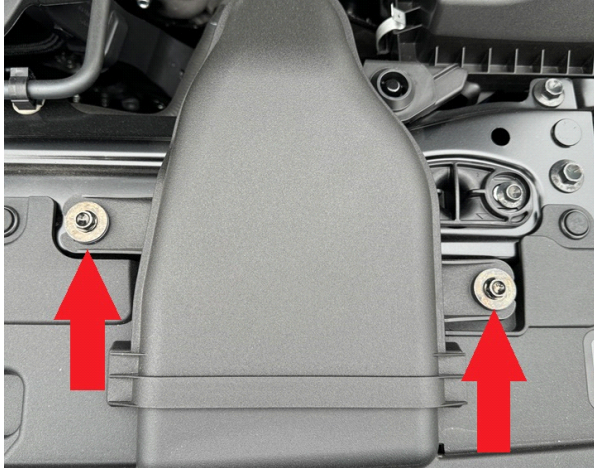
Step 7. Using a large hammer, tap the strut fork to slide it off the strut.



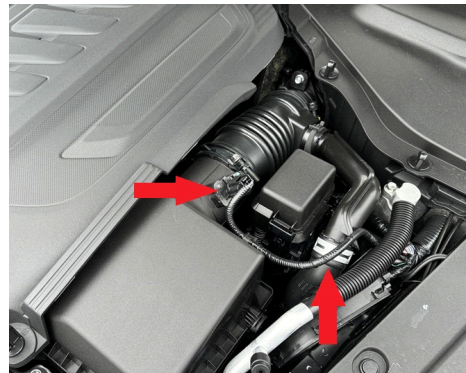
Step 8. Lift engine cover by twisting the 2 attachment handles at the front of the cover and then hang it from the hood using the yellow hook.



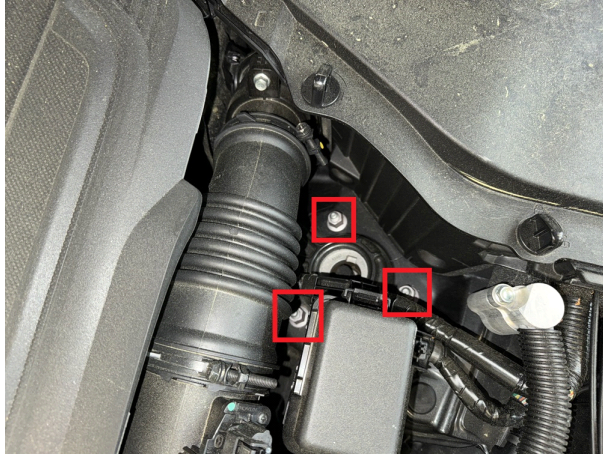
Step 9. Remove 2 10mm bolts holding the air duct to the radiator support.



Step 10. Remove the air intake temp. sensor and loosen the clamp on the air box cover, remove air box tubing to access driver side strut mounting bolts.



Step 11. Remove bolts holding driver side strut to shock tower (CX-90 shown).



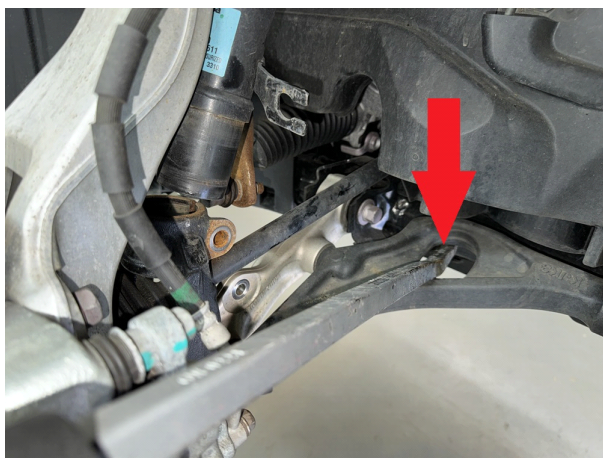
Step 12. Once strut and strut fork are separated, Remove strut.

Step 13. Attach lift spacer to strut using original hardware.



Step 14. Position strut back in shock tower, and loosely install 3 M10 nuts included in the kit to hold it in place but allow some movement until the installation is complete.

Step 15. Using a large pry bar, have a helper push the lower control arm downward until the strut fork can be slid onto the strut.



Step 16. Tap the strut fork with a heavy hammer so it can slide all the way back on. Be sure tab on back of strut lines up with gap in back of strut fork!

Step 17. Reinstall bolts holding strut fork to strut and lower control arm.
Install bolt holding upper ball joint to steering knuckle.

Reinstall c-clip on brake line.

Step 18. Using a floor jack, compress suspension until upper ball joint lines up with steering knuckle. Leave sway bar end link loose until both sides are completed.

Step 19. Repeat steps 2-7 and 11-18 on passenger side.

Step 20. Install sway bar links and install nut. Be sure to get this nut extremely tight, to avoid rattles.



Rear lift installation

Parts needed:

2 rear spacers

4 M12 nuts

2 .875x0.5" rear ABS wire spacers

2 M6x25 bolts

Step 1. Remove rear cargo cover by lifting up and pulling back.



Step 2. Remove rearmost cargo tray and storage compartments.



Step 3. Locate rear strut access panels and carefully remove them to allow access to rear strut mounting bolts.



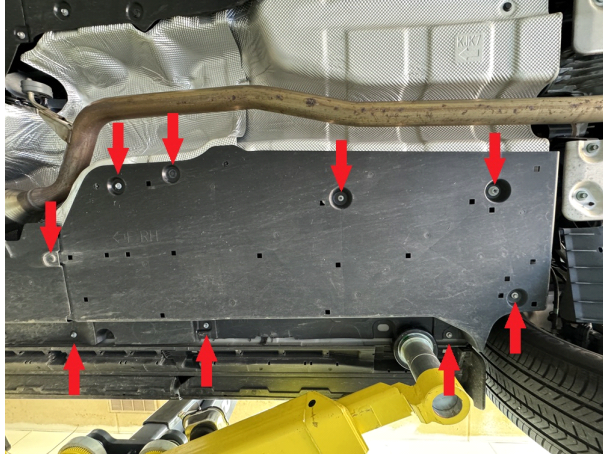
Step 4. Remove the 2 17mm nuts on driver and passenger sides.



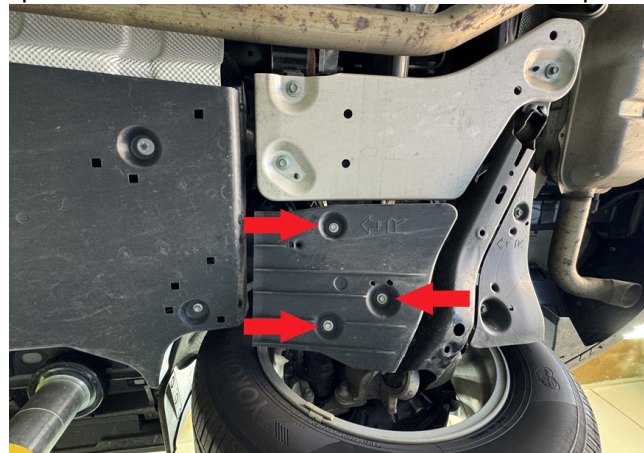
Step 5. Lift vehicle and support with jackstands.

Step 6. Remove rear wheels.

Step 7. Remove plastic aero panels under driver and passenger sides.



Step 8. Remove plastic aero panels under lower control arms on driver and passenger sides.

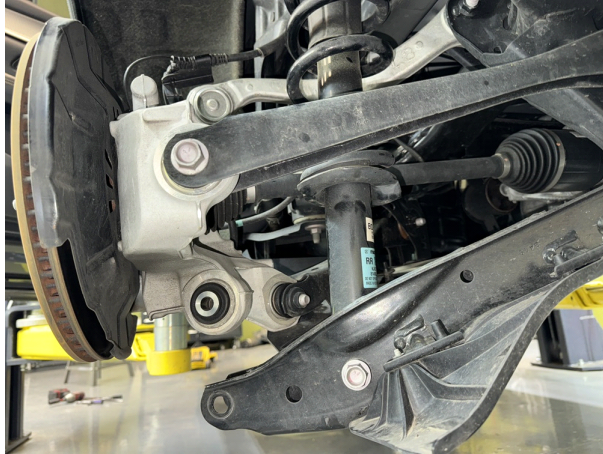


Step 9. Support driver side rear lower control arm with a hydraulic jack.



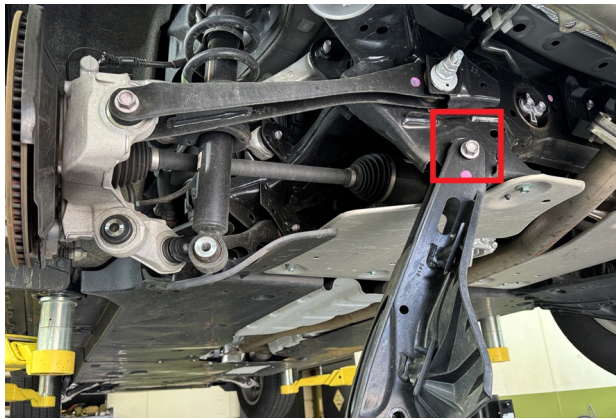
Step 10. Loosen bolt holding lower control arm to wheel hub.

Step 11. Lower jack to release pressure on rear strut.



Step 12. Remove lower rear strut bolt.

Step 13. Loosen, do not remove the inner lower control arm bolt to allow it to drop.



Step 14. Remove rear strut.

Step 15. Attach spacer to strut using OEM hardware.



Step 16. Position strut in place and attach strut to lower control arm.

Step 17. Using a hydraulic jack, lift strut into position.



Step 18. Install nuts holding strut/spacer combo under rear seat using hardware provided in the kit.

Step 19. Using a hydraulic jack, compress rear strut while **pushing the lower control arm forward** to line up the bolt holes on the wheel hub.

Note: this step can be challenging, it is best to have a helper pushing forward on the jack while moving suspension into position.

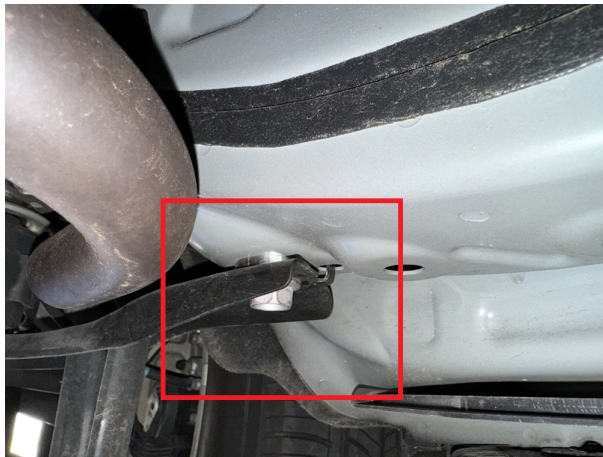
Step 20. Install bolt into lower control arm.

Step 21. Repeat steps 9-20 for passenger side.

Step 22. Reinstall plastic rear strut access covers.

Step 23. Reinstall rear seat.

Step 24. Locate subframe stiffener brackets and remove 17mm bolts. Place 1.5x 0.25 spacer between brackets and body as shown.



Step 25. Locate 19mm nuts on main subframe studs, loosen, do not remove both rear nuts, allowing subframe to drop about ¼ inch (6.3mm)

Step 26. Slide 1 “pac-man” spacer between subframe and body on each stud as shown:



Step 27. Tighten all main subframe nuts.

Step 28. Double check all suspension bolts.

Step 29. Reinstall plastic aero panels.

Step 30. Check all brake rotor dust shields to be sure they are not contacting the rotors.

Step 31. Reinstall wheels.

Step 32. Get a professional alignment.

Step 33. Hit 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) Mon-Thurs
8AM-4:30PM, Fri 8AM-3:30PM EST or email us 24/7 at
support@hrgoffroad.com.**

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

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