INSTALLATION INSTRUCTIONS

1244K

DIFF DROP KIT TO SUIT TOYOTA TACOMA (2024+), 4RUNNER (2025+), 250 SERIES LAND CRUISER (2024+)



Suits up to 3” (76mm) Front Lift

NOTE

Some images contained in these instructions are generic and are a representation of the actual model and/or parts used. Some steps may also show parts out of sequence to the instructional steps.

1 Hour
Approximately

SAFETY WARNING

IRONMAN 4X4 requires you read and understand the safety and pre-install directions on page 2 and 3 before commencing installation of this product.

Document No: 1224K/210325

Occupational health and safety procedures must be observed at all times

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IMPORTANT WARNINGS

BEFORE COMMENCING INSTALLATION OF THIS KIT
IT IS MANDATORY THAT YOU READ THE BELOW WARNINGS.

SAFETY WARNING

- Read and understand instructions fully.
- Check the hardware supplied against the contents list on the following pages.
- This suspension kit can only be fitted to the vehicles Original Equipment Manufacturer (OEM) suspension components.

  Do not combine suspension lifts kits, body lifts, or other lifting devices.
- Do not use this product for any vehicle make or model other than specified in these instructions.
- It is highly recommended that this kit be installed by a certified professional mechanic. IRONMAN 4X4 CANNOT BE HELD RESPONSIBLE FOR ANY DAMAGE OR FAILURE RESULTING FROM IMPROPER INSTALLATION.
- While working on this vehicle, always use appropriate safety equipment.
- This product and or hardware must not be modified in any way. Do not remove labels from this product.
- Some images contained in these instructions are generic and are a representation of the actual model and/or parts used. Some steps may show parts out of sequence to the instructional steps.
- Fitting instructions are correct at the time of publication date and IRONMAN 4X4 cannot be held responsible for any vehicle changes from the manufacturer. It is the responsibility of the installer to ensure correct fitment.
- IRONMAN 4X4 recommends consulting a vehicle specific OEM Service Manual for proper disassembly and reassembly.

  Tighten all bolts and fasteners to the torque specifications in the OEM Service Manual unless specified otherwise.
- Generally, altering your suspension system may change the way your vehicle handles. Take care when driving both on and off the road.
- Laws in regards to suspension modification vary from state, retailer and installers must inform end users about local laws and any breaches prior to installation.
- The vehicle must be in optimal operating condition prior to fitting this suspension kit. Repair or replace any worn or damaged components before proceeding.
- After installation of this product, a wheel alignment MUST be performed
- Read SAEJ2492 warning below.

SAEJ2492 WARNING

By installing this product, you acknowledge the suspension of this vehicle has been modified. As a result, this vehicle may handle differently than that of factory equipped vehicles. As with any vehicle, extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers.

Always wear seat belts and drive safely, recognizing that reduced speeds and specialized driving techniques may be required. Failure to drive this vehicle safely may result in serious injury or death. Do not drive this vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions.

Some modifications (and combinations of modifications) are not recommended and may not be permitted in your State. Consult your owner's manual, the instructions accompanying this product and State laws before undertaking these modifications. You are responsible for the legality and safety of the vehicle you modify using these components.

CUSTOMER INFORMATION

Customer Name: _____ Date: _____

Contact: _____

Part Number: _____ Batch Number: _____

Document No: 1224K/210325

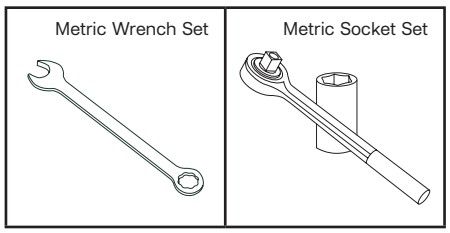
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PRE-INSTALLATION PROCEDURES

We strongly recommend using a Factory Service Manual for the specific Year / Make / Model as reference while installing.

- Before proceeding with this installation, the vehicle should be in optimal operating condition, and any worn or damaged components replaced first.
- All lifted vehicles may require additional driveline modifications and / or balancing.
- After installation of this product, a wheel alignment MUST be performed.
- If changing +/- 10% from OEM tire diameter, a Speedometer / Computer recalibration is required.

TOOLS REQUIRED



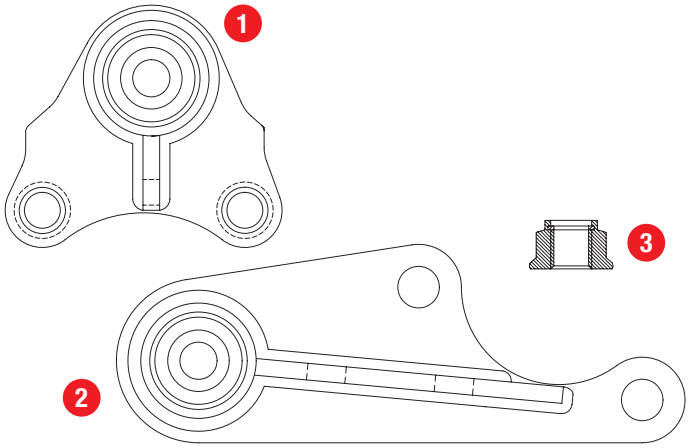
Any damage or losses caused by improper installation and application, goes beyond our quality warranty.

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1244K KIT PARTS LIST

SPACER KIT TO SUIT OEM SHOCK ABSORBERS

No.	Description	Qty
	Front Diff Drop Kit	
1.	Diff Bracket Spacer - LHS	1
2.	Diff Bracket Spacer - RHS	1
3.	Nut - Hex Flange Lock (M16 x 1.5)	2



PRE-INSTALLATION

1. Before installing, ensure spacer kit application is compatible with the vehicle.

Unwrap all components taking care not to damage or scratch in the process. Inspect for any damage.



NOTE

Retain all factory (OE) hardware and components unless advised to discard.

TIP

It is good practice to lay out all parts to cross-reference against the parts list and record Batch Numbers.

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REMOVAL AND INSTALLATION PROCEDURES - FRONT

2. Set the vehicle on a clean, level area and block the rear wheels for safety.

Engage parking brake.

Lift the front of the vehicle and support it with jack stands under each frame rail.

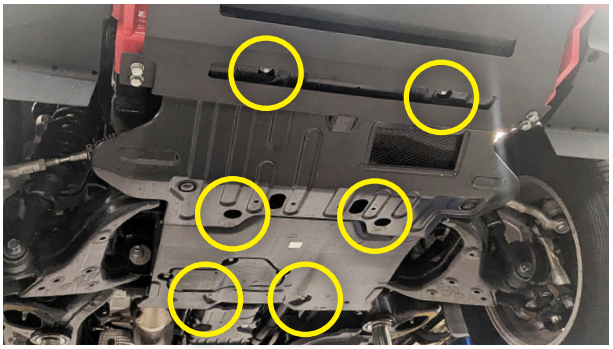
Remove the front wheels and use a suitable workshop stand to support the front axle.



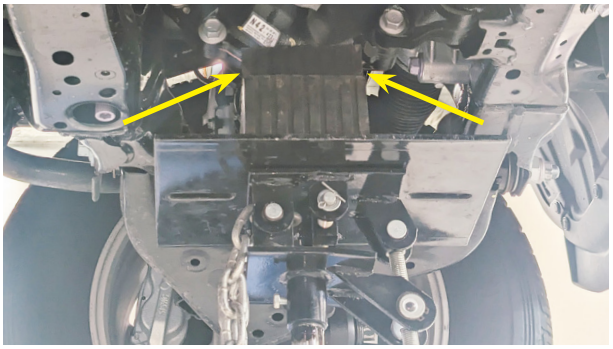
TIP

We suggest using a two (2) post vehicle lift if available, to lift and support the vehicle while completing the front and rear installation simultaneously.

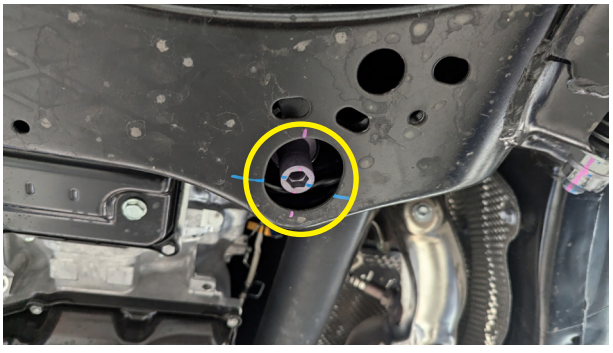
3. Remove the six (6) OE bolts securing the under body protection plate.



4. Support the diff with a suitable jack.

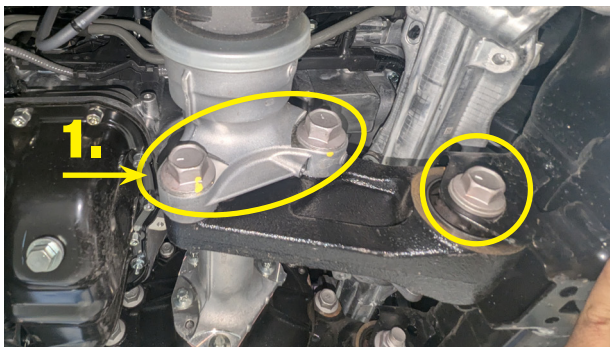


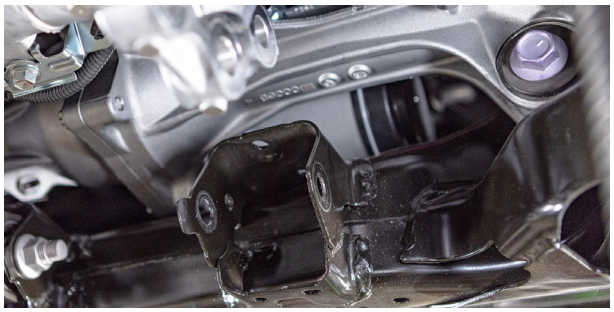
5. Loosen, but do not remove the rear differential bolt.



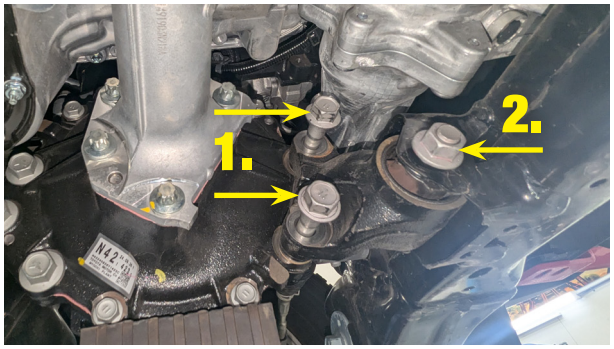
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6. Remove the two (2) fasteners securing the right-hand side differential bracket **(1)**, then remove the chassis mount bolt **(2)** using 19 and 22mm sockets.



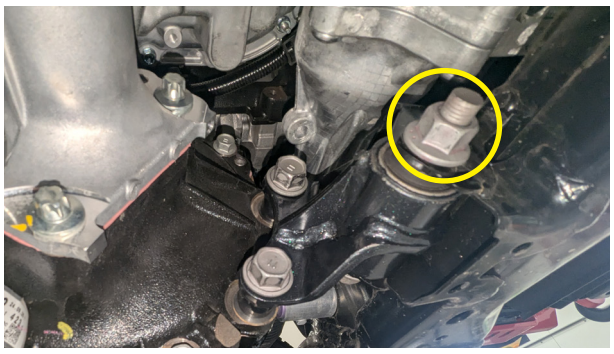


7. Remove the left hand side differential bracket, by loosening and removing the two (2) fasteners **(1)** and then the chassis mount bolt **(2)** using 19 and 22mm sockets.



8. Attach the IRONMAN 4X4 left-hand side differential bracket to the chassis, using the OEM fastener.

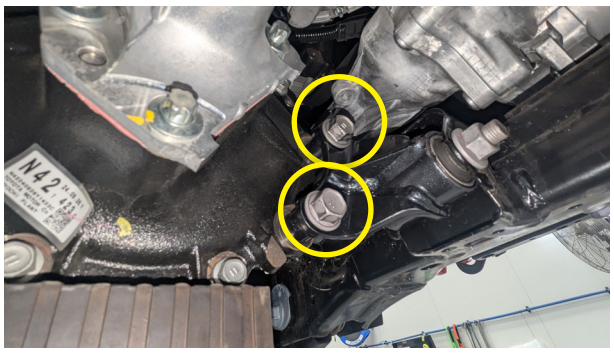
Finger tighten only at this point.



9. Drop the differential slightly, enabling the alignment of the holes to install the fasteners.

Use OE fasteners to secure in place.

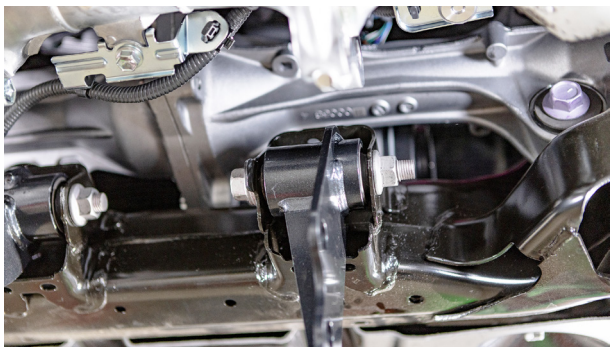
Finger tighten only at this point.



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10. Attach the IRONMAN 4X4 right-hand side differential bracket to the chassis using OEM fastener.

Finger tighten only at this point.

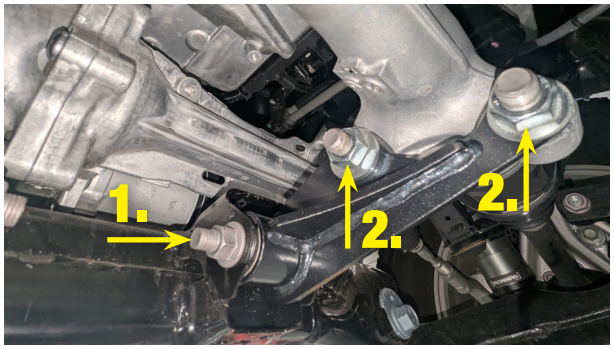


11. Using the OEM bolt **(1)** and M16 flange nuts **(2)** supplied, connect the bracket to the differential.

NOTE

The fastener direction must match the image.

Torque all differential fasteners to 110ft.lb (149Nm).

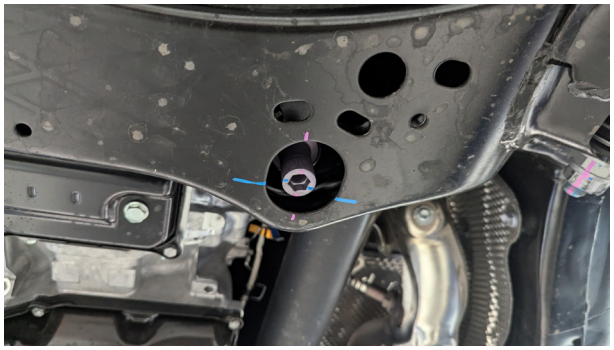


12. Retighten and torque the rear differential mount bolt to 90ft.lb (120Nm).

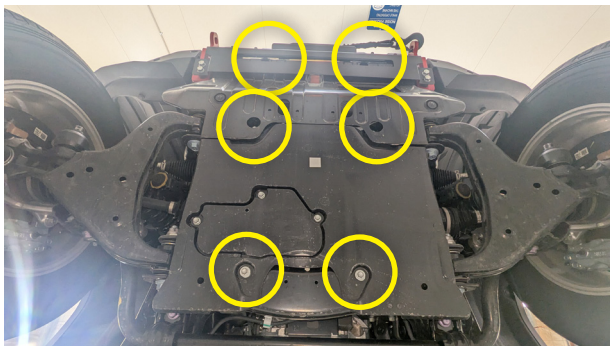
NOTE

After 310 miles (500km) recheck for proper torque on all newly installed hardware. Recheck all hardware for tightness after off road use.

Make sure to have any, and all electronic systems calibrated as indicated by the manufacturer for the features of your vehicle.



13. Reinstall the OE underbody protection plate using the six (6) OE bolts.



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ONCE INSTALLED...

POST-INSTALLATION WARNINGS

It is mandatory to perform post-installation checks after installing suspension components.

Failure to do so can lead to dangerous consequences, including vehicle damage, personal injury, or even death, therefore, post-installation safety checks are essential before driving the vehicle.

POST-INSTALL INSPECTION AND REFINEMENT

- Torque wheel lug nuts to manufacturer specifications.
- Inspect and test all steering, brake and suspension components for tightness and proper operation.
- Inspect wheels, brake lines/hoses and ABS lines, ensure adequate tire clearance and adequate looseness at full extension by turning the steering wheel completely to the left and then to the right.
- Inspect all rubber parts ensuring correct torque at ride height.
- Recheck all bolts and suspension components for correct torque values after two weeks or at 310 miles (500km).



Any damage or loss caused by improper installation, application or failure to observe and follow our recommendations, goes beyond our quality warranty.

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