

Superior **ENGINEERING**

PREMIUM 4x4 ACCESSORIES



DDRP-A-HLX16

Superior 40mm Diff Drop Kit Suitable for Toyota Hilux AN2 08/2025 On (Kit) – Installation Instructions

IMPORTANT

Please read and understand these installation instructions before beginning the installation process. Retain these installation instructions for future reference. It is recommended that this item be installed by a qualified person(s) with sound knowledge of 4x4 Steering & Suspension Geometry and/or 4x4 Accessories.

If you are unsure about any of the following steps, please contact Superior Engineering's Sales Team – (07) 5433 1411

WARNINGS

- Estimated installation time: 2-3 Hour(s)
- The following steps are the installer's responsibility.
- Ensure all parts have been received correctly and are suitable for the intended vehicle before undertaking any installation.
- Ensure sure all fasteners are tightened to the advised torque settings, and 262 Loctite is used on all threads unless otherwise specified.
- Recheck all fasteners within 500Kms of installation, and at every service interval thereafter.
- This product must be installed as per these instructions, only using the hardware supplied by Superior Engineering unless given prior written consent from Superior Engineering.
- This product is not to be fitted differently or modified in any way other than specified by Superior Engineering.
- This product is not to be used on any other vehicle than those specified by Superior Engineering.
- Once the product has been installed ensure all OE and Aftermarket components within proximity of the installed Superior Engineering component clear through the full range of your vehicle's Steering & Suspension movement.

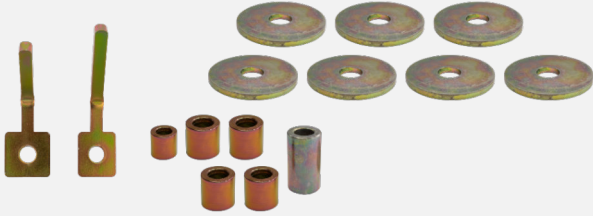
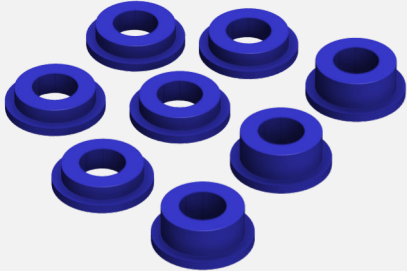
PART(S) CHECKLIST

DESCRIPTION	QTY	IMAGE
40mm Diff Drop Kit – Driver (Right) Side Front Mount	1	
40mm Diff Drop Kit – Passenger (Left) Side Front Mount	1	
40mm Diff Drop Kit – Rear Mount	1	
40mm Diff Drop Kit – Rear Relocation Bracket	1	

DDRP-A-HLX16

Superior 40mm Diff Drop Kit Suitable for Toyota Hilux AN2 08/2025 On (Kit) – Installation Instructions

PART(S) CHECKLIST

DESCRIPTION	QTY	IMAGE
40mm Diff Drop Kit - Hardware Kit 1x M12 x 1.25 x 75mm Threaded Tab 1x M12 x 1.25 x 93mm Threaded Tab 2x M14 x 33mm Crush Tube 1x M14 x 25mm Crush Tube 1x M12 x 20mm Crush Tube 1x M12 x 33mm Crush Tube 1x M12 x 46mm Crush Tube 5x M14 x 56 x 4mm Cut Washer 2x M12 x 50 x 4mm Cut Washer	1	
40mm Diff Drop Kit - Bush Kit 3x 44.5 x 25 x 21.5mm Poly Bush 5x 44.5 x 25 x 13.5mm Poly Bush	1	
40mm Diff Drop Kit - Bolt Kit 1x M12 x 1.25 x 80mm Hex Head Bolt 1x M14 x 1.5 x 70mm Hex Head Bolt 1x M12 x 1.25 x 50mm Hex Head Bolt 1x M12 x 1.25 x 40mm Hex Head Bolt 1x M12 x 1.5 x 100 Hex Head Bolt 3x M14 x 1.5 x 50mm Hex Head Bolt 2x M14 x 1.5 x 40mm Hex Head Bolt 1x M12 x 1.75 x 50mm Button Head Bolt 5x M12 Plain Washer 7x M14 Plain Washer 4x M12 Spring Washer 1x M14 Spring Washer 1x M12 x 1.75 Nyloc Nut 1x M12 x 1.5 Nyloc Nut 1x M14 x 1.5 Nyloc Nut	1	

TORQUE SETTINGS

SIZE	TORQUE (Nm)	TORQUE (Lb.Ft)
M12	85	65
M14	135	96

CAUTION

Ensure all bolts are tightened to the correct torque setting with 262 Loctite. Re-check in 500km and at every service interval thereafter

DDRP-A-HLX16

Superior 40mm Diff Drop Kit Suitable for Toyota Hilux AN2 08/2025 On (Kit) - Installation Instructions

INSTALLATION STEPS

STEP 1

Park the vehicle on a level surface and ensure it is secure. Alternatively, position the vehicle securely on a hoist, using the manufacturer's designated lifting points.

Review the kit's components and confirm that all parts are supplied. **Refer to the above parts checklist**

STEP 2

Refer to the vehicle's workshop manual to remove any underbody guards or bash plates. Using an under hoist stand or trolley jack, support the front differential.

Failure to support the diff may cause it to drop too low, potentially damaging the CV joints.

With the front differential supported with an under hoist stand or jack, locate and remove the front differential rear mount.

The differential may need to be lifted slightly, allowing the mount to turn and be removed.

STEP 3



STEP 4

Install the supplied Crush Tubes and Poly Bushes into the supplied 40mm Diff Drop Mounts as per the below image.

1x M14 x 33mm Crush Tube
1x 44.5 x 25 x 13.5mm Poly Bush
1x 44.5 x 25 x 21.5mm Poly Bush

1x M14 x 33mm Crush Tube
1x 44.5 x 25 x 13.5mm Poly Bush
1x 44.5 x 25 x 21.5mm Poly Bush

1x M12 x 33mm Crush Tube
1x 44.5 x 25 x 13.5mm Poly Bush
1x 44.5 x 25 x 21.5mm Poly Bush

1x M14 x 25mm Crush Tube
2x 44.5 x 25 x 13.5mm Poly Bush



DDRP-A-HLX16

Superior 40mm Diff Drop Kit Suitable for Toyota Hilux AN2 08/2025 On (Kit) - Installation Instructions

STEP 5

Locate and remove the front differential driver's (right) side mount.

Retain the OEM hardware for later use.



Position the supplied Driver (Right) Side Front Mount against the front differential, ensuring all the mounting holes line up. Install the supplied M14 x 56 x 4mm Cut Washer in either side of the mounting bushes and use the OEM hardware to loosely secure the front mount to the bottom of the chassis rail and the differential.

Some models have 2 factory mounting bolts in the centre of the driver's (right) side mount. Use the supplied M14 x 1.5 x 40mm Hex Head Bolt, and M14 Plain Washer in the remaining mounting holes. If your model had 4 OEM bolts, reuse them.

The front mounting point will go beneath the chassis rail, and the rear mounting point will go above the chassis crossmember.

STEP 6



DDRP-A-HLX16

Superior 40mm Diff Drop Kit Suitable for Toyota Hilux AN2 08/2025 On (Kit) - Installation Instructions

STEP 7

On the rear of the Driver (Right) Side Front Mount, ensure the supplied M12 x 50 x 4mm Cut Washer is positioned on either side of the mounting bush.

Install the supplied M12 x 1.25 x 75mm Threaded Tab through the far-right chassis crossmember hole, lining it up with the Driver (Right) Side Front Mount.

Install the supplied M12 x 1.25 x 80mm Hex Head Bolt, and M12 Spring Washer through the top of the Driver (Right) Side Front Mount threading it into the M12 x 1.25 x 75mm Threaded Tab.



STEP 8

Locate and remove the front differential passenger (left) side mount.

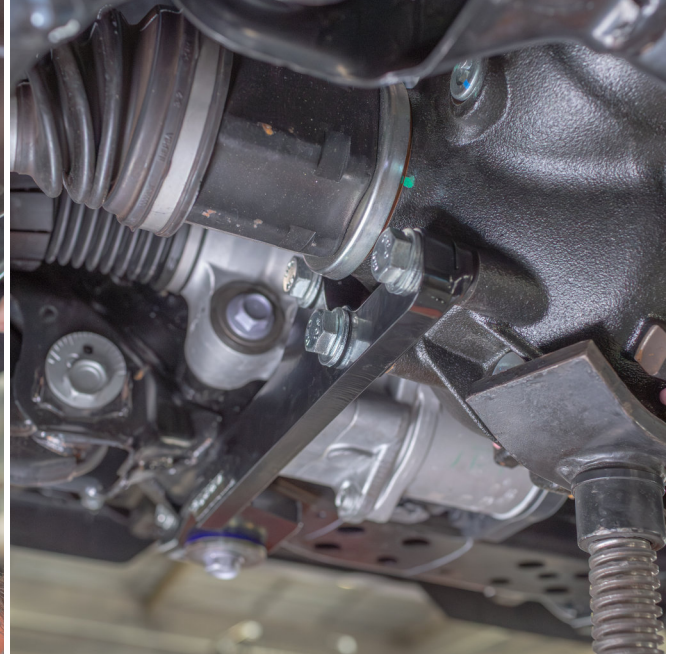
Retain the front OEM bolt and nut for later use.



STEP 9

Position the supplied Passenger (Left) Side Front Mount against the front differential, ensuring all the mounting holes line up. Install the supplied M14 x 56 x 4mm Cut Washer in either side of the mounting bush and use the OEM hardware to loosely secure it the bottom of the chassis rail.

Use the supplied M14 x 1.5 x 50mm Hex Head Bolt, and M14 Plain Washer to loosely secure the Passenger (Left) Side Front Mount to the front differential.

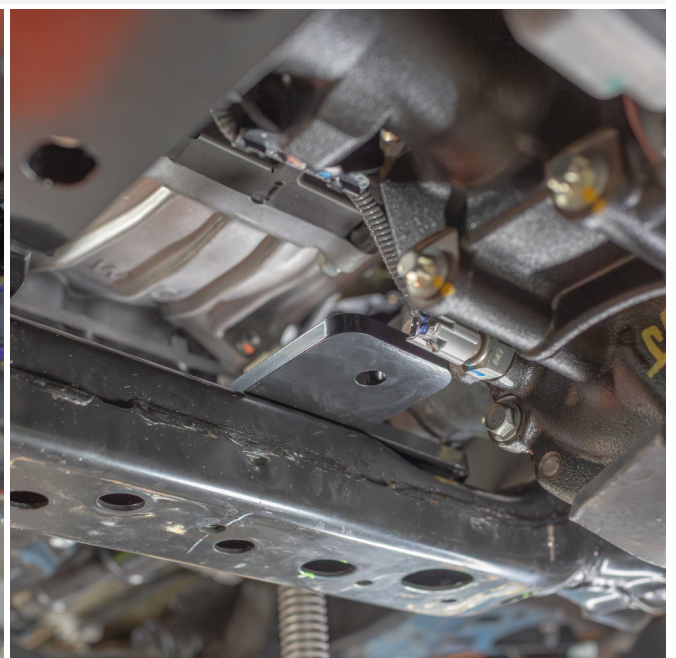


Position the supplied Rear Relocation Bracket above the chassis crossmember, ensuring the welded spacer is facing down lining up with the OEM mounting hole, and the other 2 mounting holes are towards the driver (right) side of the vehicle.

Insert the supplied M12 x 1.75 x 50mm Button Head Bolt, M12 Spring Washer, and M12 Plain Washer through the top of the Rear Relocation Bracket through the mounting hole with the welded spacer and loosely secure it using the supplied M12 Plain Washer, and M12 x 1.75 Nyloc Nut.

Tighten the M12 x 1.75 x 50mm Button Head Bolt now, as it may not be accessible later.

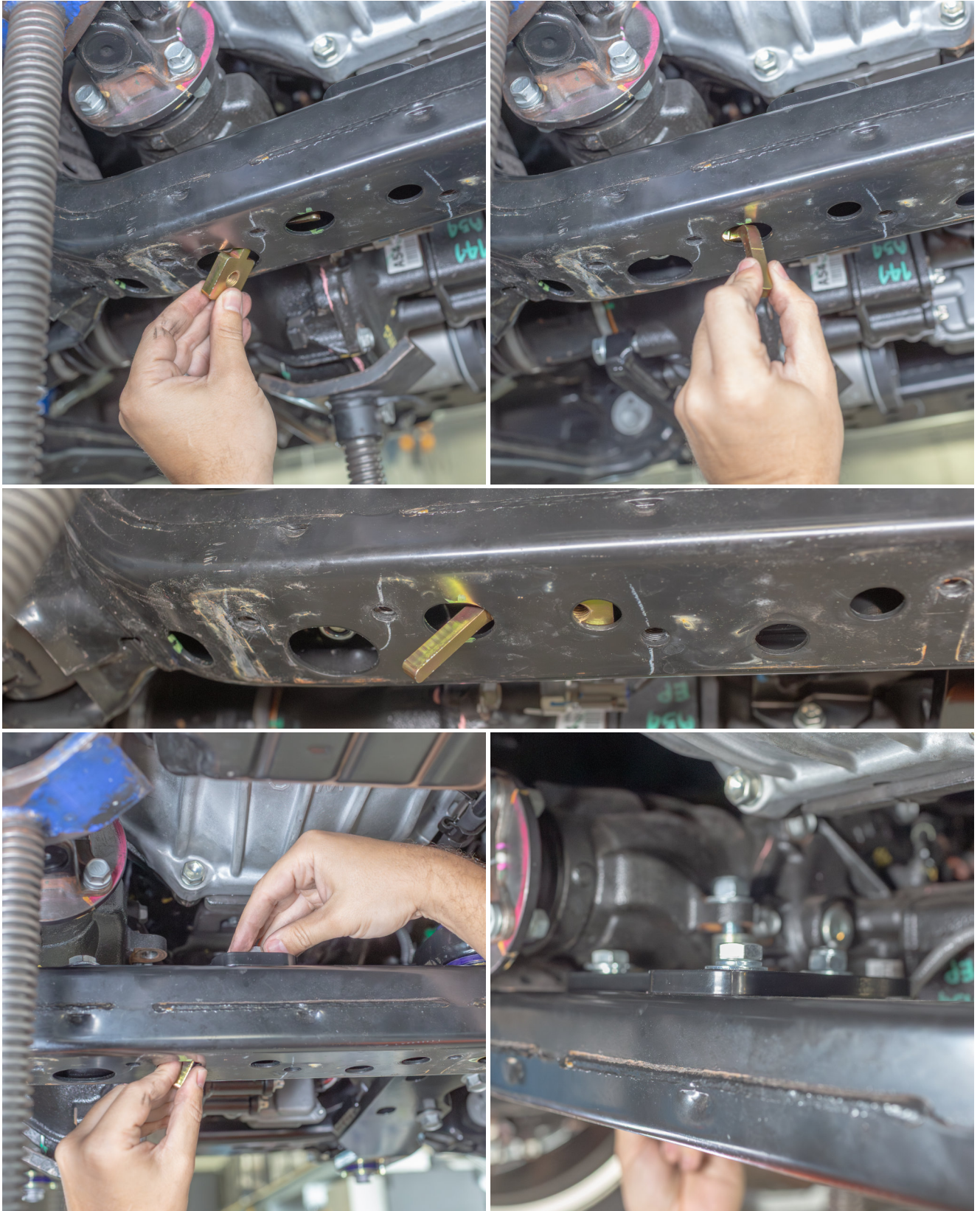
STEP 10



Insert the supplied M12 x 1.25 x 93mm Threaded Tab into the largest hole on the bottom of the chassis crossmember, putting the handle through first.

Once the M12 x 1.25 x 93mm Threaded Tab has been passed through the second hole on the chassis crossmember, turn it 180 degrees so it lines up with the mounting hole on the Rear Relocation Bracket.

Use the supplied M12 x 1.25 x 40mm Hex Head Bolt, M12 Spring Washer, and M12 Plain Washer to loosely secure the Rear Relocation Bracket to the crossmember, threading it into the M12 x 1.25 x 93mm Threaded Tab.

STEP 11**DDRP-A-HLX16**

Superior 40mm Diff Drop Kit Suitable for Toyota Hilux AN2 08/2025 On (Kit) - Installation Instructions

STEP 12

Position the supplied Rear Mount against the bottom of the Rear Relocation Bracket, ensuring all the mounting holes line up.

Install the supplied M14 x 56 x 4mm Cut Washer on the bottom side of the mounting bushes and insert the supplied M14 x 1.5 x 70mm Hex Head Bolt, and M14 Spring Washer through the bottom.

Loosely secure it to the Rear Relocation Bracket using the supplied M14 Plain Washer, and M14 x 1.5 Nyloc Nut.



STEP 13

Install the supplied M12 x 1.5 x 100mm Hex Head Bolt, M12 Spring Washer, and M12 Plain Washer through the bottom of the Rear Mount towards the driver's (right) side, passing through the differential. Use the supplied M12 x 46mm Crush tube in between the Rear Mount and differential.

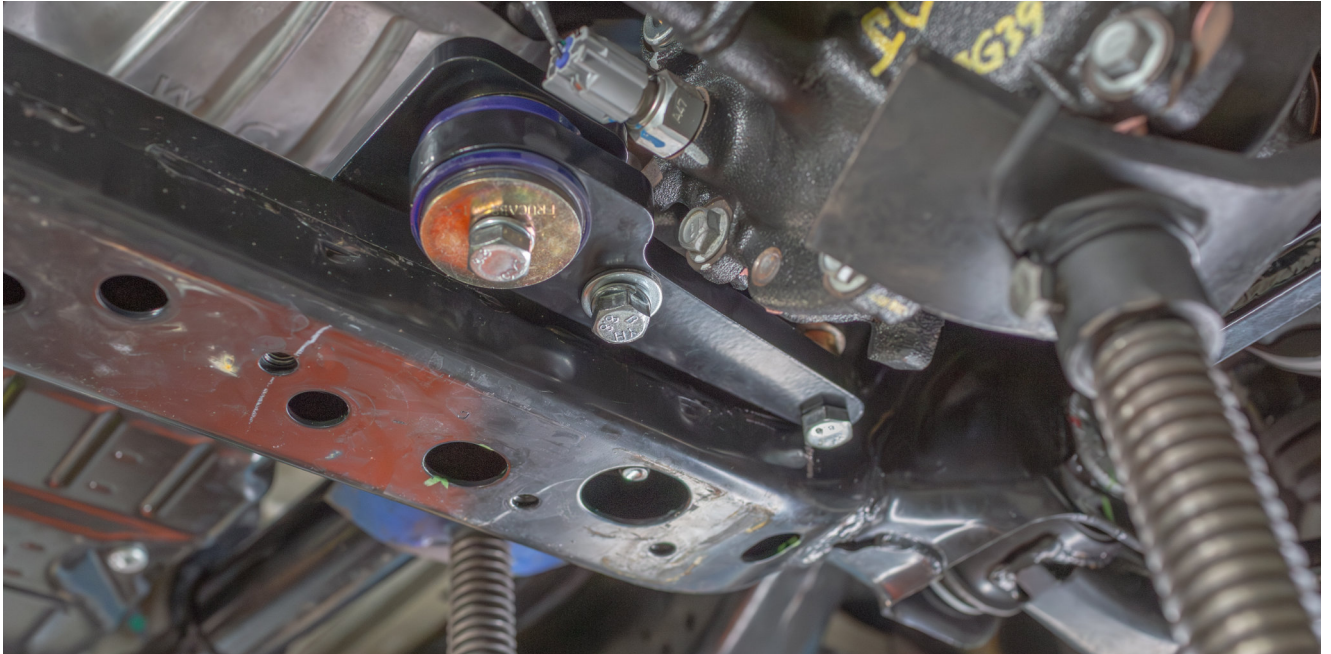
Use the supplied M12 Plain Washer, and M12 x 1.5 Nyloc Nut to loosely secure it.

The differential may need to be lowered or maneuvered to align the bolt holes.



STEP 14

Install the supplied M12 x 1.25 x 50mm Hex Head Bolt through the bottom of the Rear Mount towards the passenger (left) side, passing through the differential, using the supplied M12 x 20mm Crush tube in between the Rear Mount and differential.



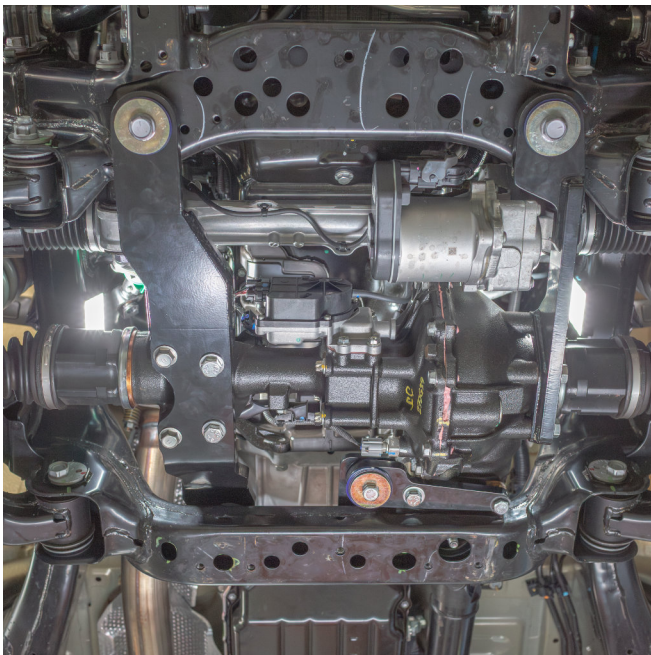
STEP 15

Check over and tighten all hardware to the recommended torque setting outlined above and in the vehicle's workshop manual.

STEP 16

Reinstall any underbody guards or bash plates that may have been removed and conduct a test drive, checking for any unusual noises, vibrations, or driveline issues. If any issues arise, inspect the installation and address any concerns.

FINAL FITMENT EXAMPLE



DDRP-A-HLX16

Superior 40mm Diff Drop Kit Suitable for Toyota Hilux AN2 08/2025 On (Kit) - Installation Instructions

FINAL FITMENT EXAMPLE



CONTACT DETAILS

Superior Engineering

8 Chrome Court, Burpengary

4505 QLD Australia

(07) 5433 1411

sales@superiorengineering.com.au

Product Coating Care & Maintenance Guide

Superior Engineering products are manufactured using a range of protective surface coatings designed to improve durability, corrosion resistance, and appearance in harsh off-road environments.

While these coatings are highly durable, proper care and maintenance will help maximise their performance and longevity. Scan the QR code to see our guide outlines and general care recommendations for the different coating types used across our product range.



DDRP-A-HLX16

Superior 40mm Diff Drop Kit Suitable for Toyota Hilux AN2 08/2025 On (Kit) - Installation Instructions