

VEHICLE Toyota Landcruiser 300 2021+

PRODUCT Diff Drop

PRODUCT CODE DDLC300

NOTE Suggested fitment to be completed by a qualified automotive technician

We are excited to be part of your vehicle's transformation! Please note that because this component is sold individually, Roadsafe cannot guarantee fitment with every aftermarket suspension configuration.

Professional installation is essential. It is the responsibility of the workshop to perform a **comprehensive fitment check** to ensure all parts function harmoniously. This includes verifying that common 'lift' variables—such as CV bind, brake line length, and component clearances—are within safe operating limits. Should your technician encounter any challenges during the integration process, please contact our support team; we are more than happy to assist in achieving the best result for your vehicle.

| HARDWARE SUPPLIED | QTY | COMPONENTS SUPPLIED | QTY |
|-----------------------|-----|---------------------|-----|
| M14 x 1.5P x 40L Bolt | 2 | DDLC300-101-C | 1 |
| M14 Washer | 6 | DDLC300-101-D | 1 |
| M14 Glenloch | 2 | DDLC300-201 | 1 |
| M16 Glenloch | 3 | DDLC300-301 | 1 |
| M16 Washer | 3 | | |

Tools Required:

- General Hand Tools



1. Jack up and support vehicle in a suitable position to allow easy access to the underneath.

2. Remove any bash plates fitted to vehicle.

3. Support differential appropriately with a jack, or similar, to allow movement of the differential when installing new hardware.

4. Remove the 4 x bolts securing the front driver side differential mount and remove. Retaining factory hardware. See image 1(a)

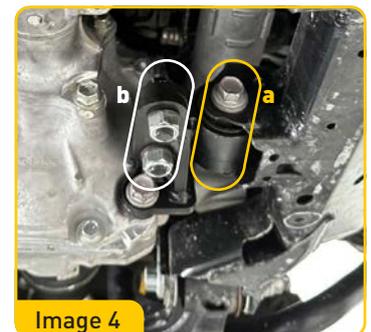
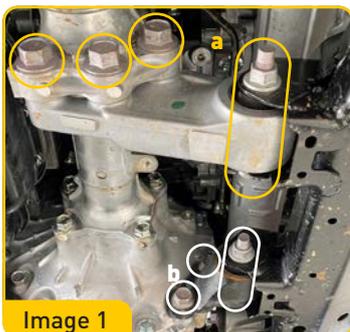
5. Remove the 3 x bolts securing the passenger side differential mount and remove. See image 1(b)

6. Offer DDLC300-301 (Item 4) to the differential and loosely secure to the chassis mount using the factory hardware retained in step 4. Using the remaining 3 bolts, loosely secure the mount to the differential using the 3 x M16 glenloch nuts (Item 8) and 3 x M16 washers (Item 9) provided. See image 2

7. Offer DDLC300-101-D (Item 2) to the passenger side differential mount and secure with 2 x M14 spring washers and 2 x factory bolts removed in step 5. See image 3

8. Offer DDLC300-101-C (Item 1) to the passenger side chassis mount and loosely secure with the remaining factory hardware removed in step 5. See image 4(a)

9. Loosely secure DDLC300-101-D and DDLC300-101-C together using 2 x M14 bolts, 4 x M14 washers and 2 x M14 glenlocks. See image 4(b)



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10. Remove 2 x bolts from rear factory differential mount and retain.
See image 5(a)

11. Remove the rear most nut and bolt from the differential mount and retain hardware noting the order in which it is to be re-assembled. The arm can now be removed.
Note: The differential may need to be lifted slightly to free the arm.
See image 5(b)

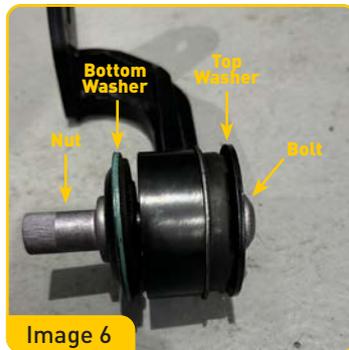
12. Offer DDLC300-201 to the rear differential mount, noting the differential will need to be lifted slightly to allow access.

13. Secure the arm to the chassis mount using the factory hardware retained in step 11 ensuring the mounting hardware is reinstalled in the correct order.
See image 6

14. With the differential still well supported, finish tightening all bolts directly attached to the differential to the correct torque spec using the table attached.

15. Remove the jack or support from the differential and tighten the remaining 3 bolts that secure the differential arms to the chassis ensuring they are tightened to the correct torque spec. This will ensure there is no preload on bushings when bolts are tightened to their final torque value.

16. Re-install vehicle underbody protection and test drive.



| | 8.8 | 10.9 | 12.9 |
|-----|------------|------------|------------|
| M10 | 41-60 Nm | 59-85 Nm | 65-94 Nm |
| M12 | 71-105 Nm | 102-150 Nm | 114-164 Nm |
| M14 | 112-168 Nm | 161-240 Nm | 182-265 Nm |
| M16 | 175-260 Nm | 250-371 Nm | 282-406 Nm |



| ITEM | DESCRIPTION | QTY |
|------|-----------------------|-----|
| 1 | DDLC300-101-C | 1 |
| 2 | DDLC300-101-D | 1 |
| 3 | DDLC300-201 | 1 |
| 4 | DDLC300-301 | 1 |
| 5 | M14 x 1.5P x 40L Bolt | 2 |
| 6 | M14 Washer | 6 |
| 7 | M14 Glenloc | 2 |
| 8 | M16 Glenloc | 3 |
| 9 | M16 Washer | 3 |