

Superior Engineering PART LISTING

Superior
ENGINEERING.COM.AU
PREMIUM 4X4 ACCESSORIES
499 Uhlmann Rd
Burpengary QLD 4505
Australia

ITEM#	PART#	QUANTITY	DESCRIPTION
1		1	LC200 40mm DIFF DROP MOUNT
2		2	PATROL RADIUS ARM MUSHROOM BUSHES (MODIFIED)
3		2	M14X1.5X40mm BOLT
4		2	M14X2.0X160mm BOLT
5		2	M14 SPRING WASHER
6		2	M14X2.0 NYLOCK NUT
7		4	M14 FLAT WASHER
19		6	M8X1.25X40mm BOLT
8		6	M8 SPRING WASHER
9		6	M8 FLAT WASHER
10		1	M8x1.25x75mm BOLT
11		6	M10X1.25X70mm BOLT
12		2	M10X1.25X40mm BOLT
13		8	M10 SPRING WASHER
14		8	M10 FLAT WASHER
15		2	65 O.D X 15 I.D X 40mm BOSS
16		6	30 O.D X 11 I.D X 40mm BOSS
17		6	30 O.D X 9 I.D X 12mm BOSS
18		2	30 O.D X 11 I.D X 12mm BOSS
19		1	50 O.D X 8.5 I.D X 40mm BOSS

NOTES:

- **Approximate installation time: 1 HOUR**
- **Some parts may come pre-assembled.**
- **Ensure all parts have been received correctly.**
- **Ensure parts are suitable for the vehicle prior to undertaking the insulation.**



Superior Engineering Installation Instructions

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Part Description: Toyota Land Cruiser 200 40mm Diff Drop Kit

NOTE: Read and understand these Installation Instructions before beginning the installation process. Retain these instructions for future reference. It is recommended this item is installed by a Qualified Person.

CAUTION

Please ensure all bolts are tightened to correct torque setting make sure to use 263 Loctite. Recheck in 500km.

Size	Torque (Nm)	Torque (ft-lb)
M8	25	18
M10	49	36
M12	85	64
M14	135	96

- Chock the vehicles front and rear wheels with the vehicle in gear or park with the handbrake on.
- Remove the bash plates with the front bash plate brace.
- Remove the two front diff mount covers. (Circled in figure 2)
- Place a suitable jack under the centre on the diff housing.
- Remove the factory rear diff mount from the rear passenger side of the diff.
- Remove the factory two large washers off the main bush.
- Fit the mushroom bushes to the factory washes (As seen in figure 2.)
- Then fit the two bushes to the diff drop mount. (As seen in figure 3)
- Hold the diff drop mount with the mushroom bushes fitted correctly to the factory diff drop location. Reusing the factory M14 mount bolt. Bolt through the bush in the diff drop mount and into the diff housing.
- Using the M14X1.5X40mm bolt with a spring and flat washer fitted. Fit through the top hole on the diff drop mount and into the threaded hole in the chassis rail.
- Line up the front threaded hole in the diff drop mount with the hole in the crossmember then fit the M14X1.5X40mm bolt with spring and flat washer through the underside of the crossmember and into the threaded hole in the diff drop mount.
- Remove the two (2) front diff mount bolts, these will not be reused (As seen in figure 4)
NOTE: The diff will not fall when removing these.
- Pry the front mounts down enough to be able to fit the two 65x15x40mm round spacers between the diff mounts and the chassis. (as in figure 5)
- Secure the diff mounts using the two (2) supplied M12x2.0x160mm bolts, flat washers and Nylock nuts. (as in figure 2)
- Tighten all bolts to correct torque settings using 263 Loctite.
- Fit the six (6) 30mm x 40mm x 10.5mm round spacers between chassis and front diff mount covers, and secure with six (6) supplied M10 1.25 x 50mm bolts, spring washers and flat washers.
- Refit the factory bash plate brace with the 50mm X 25mm X 8.5mm boss to the back of the bash plate brace in-between it and the chassis crossmember. With the M8 X 1.25 X 75mm with spring and flat washer into factory captive nut.

18. Using the M12 spacers to space the bash plate down using M10x1.5x40mm bolts with spring and flat washers.
19. Make sure all bolts are torqued to the right torque settings with 263 Loctite.





