

INSTALLATION INSTRUCTIONS

PART DESCRIPTION: Wheel Spacer			
PART LISTING			
ITEM#	PART#	QUANTITY	DESCRIPTION
1		2	WHEEL SPACERS
2		10-12	WHEEL NUTS

NOTE: Read and understand these installation instructions before beginning the installation process. Retain these installation instructions for future reference. It is recommended that this item is to be installed by a qualified person.

78/79/76 land cruiser NOTE: Wheel spacers are supplied with longer than OE extended Studs and Nuts to accommodate the fitment of a wider range of wheel rims. Toyota OE stud length is approximately 23.5mm and is designed to utilise the shorter 16mm wheel nut (approx. 9 threads). The Superior Engineering longer wheel nuts are 21mm long (and have approx. 15-16 threads). Due to the larger size, Wheel Nut engagement should be a minimum of 8-9 threads (as per OE specs), which may show stud below the surface of the nut. Always ensure wheel nuts are torqued to vehicle/wheel manufacturers' correct rating, check and re-tension at recommended intervals. Appropriate use of the chemical retaining compound (i.e., Loctite 271 or equivalent high strength thread locking compound) is highly recommended on all studs.

WARNING: Wheel Spacers are only to be used up to the max height of the factory GVM.

CAUTION
Please ensure all bolts are tightened to correct torque settings and use supplied torque settings as a base. Refer to vehicle services manual for correct torque settings Recheck in 500km and every services interval. Recheck <u>wheel stud</u> tension after 500-1000km.

WARNING
Failure to use Loctite or the correct tension may result in failure causing injury or death.

Size	Torque (Nm)	Torque (lbft)
Stud	Min 108.5	Min 80

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Note: Loctite 271 or equivalent high strength thread locking compound **MUST** be used on a spacer to the hub studs and nuts.

1. Remove the wheel as per the vehicle service manual.
2. Check that the supplied wheel nuts are the same thread pitch before tightening.
3. Fit the wheel spacer to the vehicle hub using Loctite 271 or equivalent high strength thread locking compound, and tension to correct the torque settings refer to the vehicle's service manual.
4. Refit the wheel to the spacer; tighten to the factory recommended tension as per the vehicle's service manual. **Note: DO NOT use Loctite on wheel spacer studs only on factory OE studs.**
5. Repeat steps for remaining wheels.
6. Recheck the tension of the wheel nuts after 500-1000km. **Note: If the spacer to hub nuts have moved or are loose make sure to reapply high strength Loctite and tighten to correct torque settings. If you "check" the wheel nuts you have "cracked" the Loctite which means it no longer surfaces to be cleaned and Loctite re applied and re tensioned.**

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