

INSTALLATION INSTRUCTIONS

R665 - TO SUIT TOYOTA LAND CRUISER LWB CAB CHASSIS **WITH BUMPER STEP & UTILITY TROOP CARRIER 79-84** **PLEASE READ INSTRUCTIONS THROUGH BEFORE YOU BEGIN**

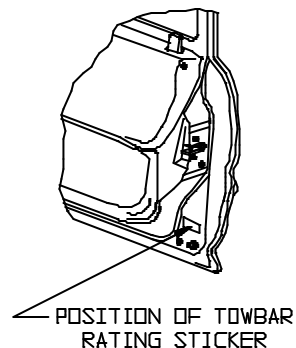
WARNING : 1. Do not drill, cut weld or otherwise modify the towbar.

2. If you are using electric welding on a motor vehicle, always check that the vehicle is not equipped with electronic engine or instrument management equipment. Failure to do so could destroy any onboard computers. If in doubt, check with the vehicle's manufacturer.

1. Ensure all hardware items have been included.
2. Remove and discard shipping hook from passenger side of vehicle.
3. Place towbar in position so that the four holes in bracket welded to centre of towbar are in line with holes in rear cross member.
4. Bolt towbar to cross member with bolts, nuts and spring washers supplied.
5. Support front ends of towbar with jack, so that small brackets welded to side pieces are pressed against chassis side rails.
6. Using holes in small brackets as guides, drill four ½" holes through lower face of chassis.
7. Fit bolts and hardware supplied.
8. Check bolts for tightness.
9. Some earlier models have hinged spare tyre carrier mechanism instead of wind down, with these models it is necessary to cut off the existing handles and reposition to clear the towbar.
10. Tighten all bolts to torque listing below.
11. Towbar rating sticker to be conspicuously located on inside rear end of the drivers door.
(see diagram below)

RECOMMENDED ASSEMBLY TORQUE LISTING

<u>Diameter</u>	<u>Grade 4.6 Bolt</u>	<u>Grade 8.8 Bolt</u>
	Nm	Nm
M6	3.5	9.5
M8	8.6	21.7
M10	16.9	43.4
M12	29.8	77.3
M16	74.0	189.8



PLEASE NOTE: You must remove the TBM unless you are actually towing if it obscures your number plate. Failure to do so may result in a fine.

R665 - TO SUIT TOYOTA LAND CRUISER LWB CAB CHASSIS
WITH BUMPER STEP & UTILITY TROOP CARRIER 79-84