



Towbar Fitting Instructions
To Suit KIA CARNIVAL
Part Number KM6A
Rating 1200Kg

1. Ensure all hardware items have been included.
2. Unhook exhaust from three rear most mounts.
3. Remove four bumper bar iron bolts from under vehicle and discard.
4. Carefully slide towbar arms in through shipping hook brackets and on to chassis rails. Align four rear most holes of towbar with holes in chassis. Insert four M10x35x1.25 bolts or four M12x35 1.5 bolts (whichever is applicable) supplied to support towbar.
5. Centrelise towbar to vehicle and semi tighten bolts, using remaining two forward most holes as guide, drill 10mm hole in chassis rail.
6. Remove towbar from vehicle and remove rear bumper bar as well. To remove bumper bar, unscrew two bolts from under rear wheel arch one on each side. Also three on each side next to mud flap including one on mud flap.
7. Refit towbar without bumper bar.
8. Insert wired bolt from rear of vehicle through chassis opening and align wired bolt with 10mm hole drilled in chassis and drop through.
9. Locate and align wired bolt to towbars most forward hole on side arms and support towbar by tightening nuts semi tight.
10. Refit bumper bar. **NOTE: Make sure bumper bar has gone hard up against body of vehicle so as captive nuts on bumper bar irons line up with side arm holes. Insert all bolts semi tight.**
11. Fit exhaust bracket if necessary.
12. Tighten all bolts to torque listing below.

RECOMMENDED ASSEMBLY TORQUE LISTING

<u>Diameter</u>	<u>Grade 8.8 Bolt</u>
	Nm
M6	9.5
M8	21.7
M10	43.4
M12	77.3
M14	121.0
M16	189.8

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