



Fitting Instructions

TOWBAR KA45U
For KIA Rio 2017-

MATERIALS

A	1	Main Crossbar.
B	1	Spacer (12mm)
C	2	M10 x 40 x 1.25 Fine pitch bolts , Lock washers and Flat Washers.
C	2	M10 x 50 x 1.25 Fine pitch bolts , Lock washers and Flat Washers.
ZE	1	Electrical plate.
ZN	1	Neck Option.

Note: This towbar must be used with either a Witter Towball (part number Z11) or Class A50-1 or A50-X towball, which dimensionally conforms to A50-1 with a 'D' and 'S' value greater than or equal to that of the towbar.

FITTING

1. Bumper Removal. Undo 4 off fixings each side within the wheel arches, remove plastic fixings along bottom of bumper, remove 3 off nuts to release plastic under panel on L/H side.
2. Remove light clusters 2 screws each side pull grommet behind light cluster to reveal wiring connector behind., disconnect and store cluster safely, undo 1 screw each side and 1 off plastic fixing from behind cluster.
3. Undo vehicle crash beam fixings with bumper still on vehicle (**crash beam is removed with bumper as one**).
4. Pull from wheel arches gently toward centre of vehicle to release bumper.
5. Remove any sensor wiring as required. Place bumper and crash beam to one side. The bumper can, if required be parted from the crash beam by releasing 2 off clips on crash beam and 2 off to bumper lower edge whilst also removing connectors for sensors an number plate lights. (**Note:** if the number plate has been fixed through the bumper with screws, these may hold the bumper to the crash beam and should be released also).
6. Release internal wheel arch liners to access mounting point holes and remove tapes covering them.
7. Position part "A" to enable the lose attachment of fixings "C", attach end at fixings "D" complete with Spacer "B".
8. Position and tighten all fixings
9. Cut parking sensor lug from crash beam and re-locate wiring to allow replacement of bumper.
10. Cut bumper to suit neck option. **Note: A larger cut is necessary to accommodate the retractable electrical plate.**

Recommended torque settings: Grade 8.8 bolts: M8 - 24Nm, M10 - 52 Nm, M12 - 80 Nm, M14 - 130 Nm, M16 - 200 Nm **Grade 10.9:** M12 - 120Nm, M10 - 70Nm M8- 35Nm

ALL DIMENSIONS ARE APPROXIMATE

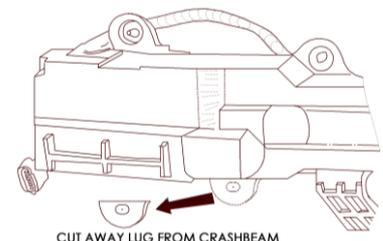
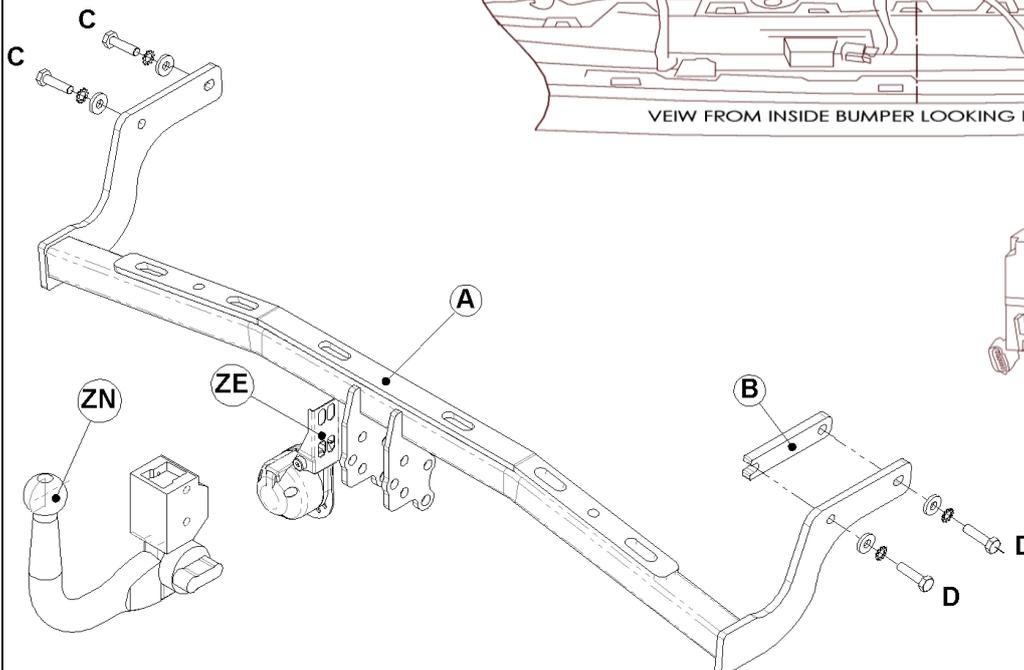
Centreline of vehicle

200mm

30mm

80mm

VIEW FROM INSIDE BUMPER LOOKING DOWN



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