



Fitting Instructions

TOWBAR
For Renault Koleos RN95
July 2008 -

MATERIALS

- A 1 Main Cross Bar
- B 1 Electrical Plate (ZEP 3)
- C 4 M12 Bolt Caps
- D 6 M10 X 35 X1.5 Bolts, Lock Washers, and 6 Flat Washers. (30 mm OD)
- E 1 Side Bracket
- F 1 Internal Chassis Stiffener
- G 1 Right hand nut insert (two nuts)
- H 1 Right hand nut inset (Single nut)
- J 3 M10 X 35 X1.5 Bolts, Lock Washers, and 4 Flat Washers. (30 mm OD)
- K 2 M10 X 35 X1.5 Bolts, 2 Nyloc Nuts, and 2 Flat Washers (30 mm OD)
- L 1 M10 X 30 **X1.25 Bolts**, lock washer, and 1 Flat Washer (30 mm OD)
- M 1 M10 Nyloc nut and 1 Flat Washer (40 mm OD)
- N 2 M6 X 20 X 1.0 Bolts, Nuts, lock washers and 4 Flat washers (14 mm OD)

For use with either

RN95 Flange neck option – ZF2032. **Note:** This towbar must be used with either a Witter Towball (part number Z11) or Class A50-1 or A50-X towball dimensionally Conforming to A50-1 with a 'D' and 'S' value greater than or equal to that of the towbar.

RN95Q Detachable neck option – ZQ2032. Please refer to ZQ fitting instructions for installation

FITTING

Bumper Removal

1. To remove rear lights, open boot and lower rear tail gate. Remove black covers, unscrew 1 bolt both sides and 2 plastic plugs. Unscrew bulb holders and pull lights rearward, these can be stiff.
2. Remove plugs on inside of bumper where tail gate sits. On each arch remove 3 black plugs, 1 tip screw and 1 bottom screw.
3. Underside of bumper remove 2 plastic plugs, release fog light plug and reverse sensor plug at rear nearside of bumper. Pull tips out on bumper and remove rearward.
4. Remove crash beam, 3 bolts either side and gaskets keeping for refitting, also remove towing eye. Offer up Main cross bar **(A)** to chassis rail to identify mounting points. Remove any wax oil around the mounting points.

Towbar Fitment

5. Insert chassis stiffener **(F)** into chassis rail aligning captives to holes. Loosely attach bolts **(D)** through chassis into part **(F)**.
6. Attach Bracket **(E)** to chassis rail. Clean off any wax oil and attach using Bolt **(L)** **1.25mm Pitch thread** to original captive nut in chassis rail to support cross bar **(A)**.
7. Fit Cross bar **(A)** on left side use bolts **(J)** to thread through chassis into stiffener **(F)**. Rotate upwards on right side and loosely bolt up to side arm **(E)** using bolts **(K)**.
8. Once supported insert right hand insert **(H)** to the most forward mounting and tighten using the remaining bolt **(J)**. Fit bracket **(G)** into chassis rail and fit to the forward inboard holes using Bolts **(D)**.
9. For the remaining hole use the last bolt **(D)** and push through fitting washer and nyloc nut **(M)**.
10. For tightening sequence, tighten crossbar to Right chassis rail, then the left side chassis rail. Once satisfied apply full torque and tighten bracket **(E)**.
11. Refit Crash beam including gaskets, and refit bumper. Ensure the fog light connector and reverse sensor plugs are refitted correctly. For bumper tags use bolts (N) to refit bumper, orientate to suit.
12. Loosely fix the Neck **(ZF)** and Electrical Plate **(ZEP 3)** using fasteners and Spacers provided **(ZSB 1)**.
13. Position the neck **(ZF)** in its desired position and fully tighten all fixings to their recommended torque settings. Fit Bolt Caps **(C)**

Recommended torque settings: Grade 8.8 bolts: M10 - 53 Nm, M12 - 95 Nm, M16 - 214 Nm **Grade 10.9:** M12 – 139Nm,



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