



# Fitting Instructions

TOWBAR TY147BR  
For Rav 4 MK2  
2006 -

## MATERIALS

A	1	Cross Bar
B	1	Sidearm (Right Hand)
D	1	Sidearm (Left Hand)
E1	1	Chassis Joining Bracket (Left Hand)
E2	1	Chassis Joining Bracket (Right Hand)
G1	1	Spreader Plate (Left Hand)
G2	1	Spreader Plate (Right Hand)
J1	1	Rear Panel Bracket (Left Hand)
J2	1	Rear Panel Bracket (Right Hand)
N	8	M12x35x1.25 Bolts, Lock Washer and Flat Washers (30mm O.D)
P	6	M12x35x1.75 Bolts, 4 off Nuts, Lock Washers and Flat Washers (30mm O.D)
R	6	M8x35x1.25 Bolts, Nuts, Lock Washers and 12 off Flat Washers (25mm O.D)
S	2	M12x70x1.75 Bolts, Nyloc Nuts and Bolt Caps.
ZR	1	Detachable Neck (T36 L006)
ZE	1	Electrical Plate (ZEP2)
X	6	Existing Crash Beam Fixings (M8 Bolts)

## FITTING

1. Remove Bumper, (6 off Plastic push clips along rear door opening, 2 off screws in each wheel arch, 2 off plastic push clips on lower edge, 1 off hex head screw on hinge side of door opening, 1 off hex head screw in each lower corner) Rear Crash Beam, Crash Beam Packers and Side Vents (on outer skin of vehicle).
2. Loosely attach Sidearms (B) and (D) using 3 off Bolts (N) into bottom face of chassis, attach brackets (E) through side of chassis using remaining bolts (N).
3. Insert Spreader Plates (G1) and (G2) through side vent apertures and secure using bolts (R), remove any mastic to ensure good mating surface. Note: Inner fixing attaches to plate (E1) and (E2) aswell.
4. Attach crossbar (A) and brackets (J1) and (J2) using fixings (P).
5. Re-attach Crash Beam Packers over brackets (J1) and (J2) using existing bolts (X).
6. Fully Tighten all Fixings and Re-fit crash beam, side vents and bumper.
7. Attach Detachable Neck (ZR) using fixings (S).

**Note:** Please refer to the vehicle specification for the trailer weight and nose limits, which **must be observed**.  
**Recommended torque settings:** M8 - 27Nm, M10 - 53 Nm, M12 - 95 Nm, M14 - 150 Nm, M16 - 214 Nm

