



Fitting Instructions

TOWBAR DT133Q
For Nissan Murano

MATERIALS

A	1	Cross Bar
D	1	Side Bracket
E	1	Side Bracket
F	2	M12 x 40mm x 1.75 pitch Bolts and Lock Washers
G	2	M12 x 40mm x 1.75 pitch Bolts, Lock Washers and Nuts
H	6	M12 x 40mm x 1.25 pitch Bolts, Lock Washers, Nuts and Flat Washers (30mm O.D.)
J	4	M10 x 35mm x 1.25 pitch Bolts, Lock Washers, Nuts and Flat Washers (30mm O.D.)
EP	1	Electrical Plate
ZQ	1	Quantum Detachable Unit (ZQ2034)

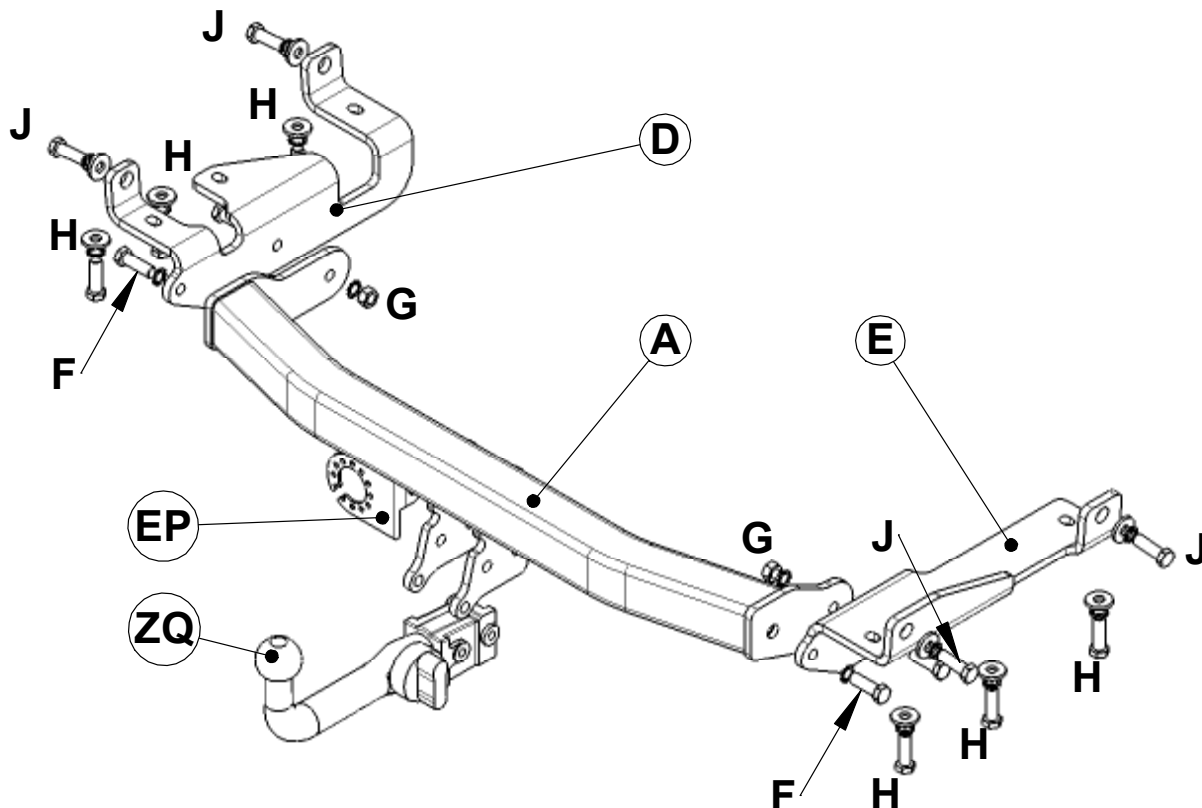
FITTING

1. Remove towing eye bracket and hand to customer.
2. Lower exhaust silencer, by removing RHS exhaust rubber (4 screws), rubbers from LHS, and central support rubber (2 screws)
3. Remove the thin metal cover, which is attached to the rear panel of the vehicle.
4. Loosely assemble Side Brackets (D) and (E) to the bottom face of each chassis rail using fasteners (H). Ensure Side Bracket is held against chassis face but can still allow movement when fasteners (J) are added.)
5. Insert fasteners (J) into sides of chassis rails through holes in Side Brackets (D) and (E).
6. Loosely attach Cross Bar (A) to Side Brackets (D) and (E) using fasteners (F) and (G).
7. Assemble Quantum Detachable unit (ZQ) and Electrical Plate (EP) to Cross Bar (A) using separate fitting instructions.
8. **Fully tighten all fasteners**, starting with (J).
9. Raise exhaust and refit all exhaust rubbers and brackets.

Note: This towbar must be used with a Witter Towball (part number ZQ2034) 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.

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





Fitting Instructions

QUANTUM DETACHABLE
TOWBALL SYSTEM
(ZQ XXXX)

MATERIALS

A	1	Receptor/Socket for Towball
T	1	Detachable Towball
K	2	Keys for Detachable Towball
X	4	M12 x 25 x 1.75mm Bolts, Spring Washers and Flat Spacer Washers (25mm O.D)
FC	1	Fixed Weather Cover
RC	1	Removable Weather Cover
L	1	Centreline Label
B	1	Bag
ZQM1	1	Operation Manual

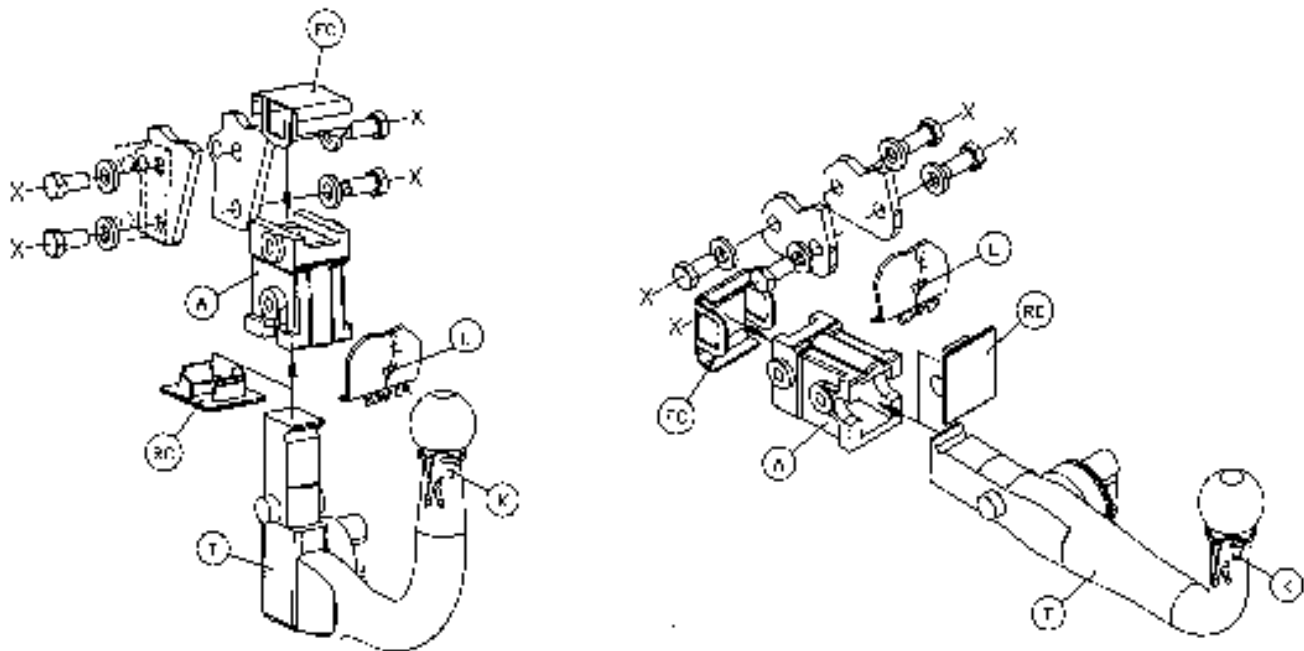
INSTALLATION PROCEDURE

1. Place black plastic fixed weather cap (FC) over forward/ (horizontal system) / upper (vertical system) holes of receptor/socket (A), insert receptor/socket (A) into gap between mounting plates on the towbar, and loosely attach using bolts (X).
 - Notes: (ZEQ1), which is provided as part of the towbar should be refitted on left hand side, together with the electrical socket mounting plate (ZEP1). Only use the 25mm O.D Flat Spacer Washers (X) where there are no loose components attached, i.e. ZEQ1 (electrical socket mounting plate bracket, shown in dashed linetype below).
2. Insert detachable towball unit (T), using procedure detailed in Operation Manual provided, and ensure correct vertical alignment of the towball before fully tightening bolts (X).
3. Attach centreline label (L) to lower edge of bumper.
4. Remove keys (K) from neck of towball, and record the key number in the Operation Manual, together with the fitters name, telephone number, date fitted, vehicle model and registration number and towbar part number.

Bumper Cut – It may be necessary to trim the bumper to allow adequate clearance around the operation handle on the right hand side.

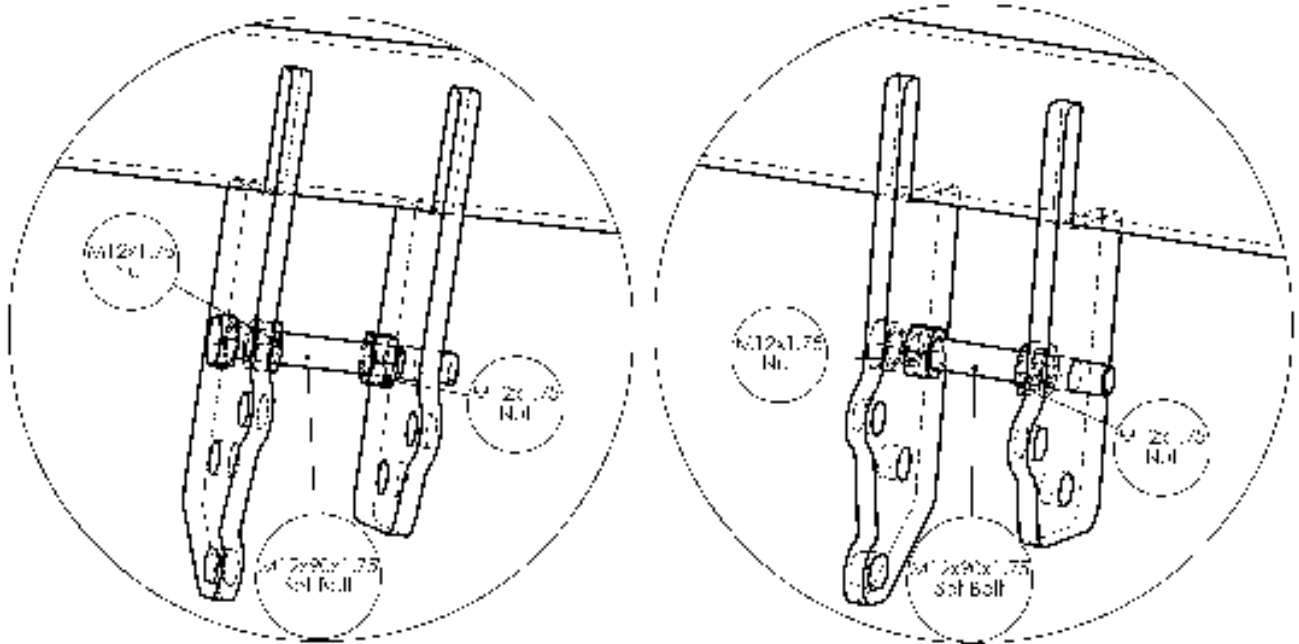
Note: It is essential that the customer/end user is familiar with the operation of the towball system, as detailed in the operation manual, which must be handed to the customer/end user.

Recommended torque settings: M12 - 95 Nm



Important – It is essential to ensure that the Operation Manual is in the possession of the end user.

Splaying Centre Profile Shapes



It may be necessary to splay the centre profile shapes further apart in order to fit the centre components of the towbar between them:

- Insert the M12x90x1.75 Set Bolt through one of the profile plates, through the hole nearest the main crossbar.
- Thread both M12x1.75 nuts onto the Set Bolt.
- Screw one of the nuts all the way on, until finger tight.
- Unscrew the other nut so that it splays the two profiles apart far enough to just fit the centre components of the towbar between them when the spreading bolt is removed, (i.e. some allowance will need to be made for “springback” of the steel).