



Towbar Fitting Instructions
To Suit VOLVO XC90 07/03- ON
Part Number QTVO003L
Rating 2250Kg
Ball Weight 225Kg

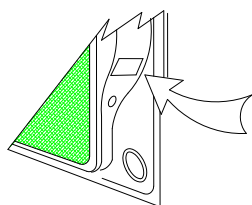
1. Ensure all hardware items have been included.
2. Remove spare wheel.
3. Remove and discard towing eye from driver's side.
4. Remove rear most exhaust mounting bracket from sub-frame on the driver side (In newer model, remove the bracket from the passenger side as well).
5. Remove exhaust from rubber near diff, and let it hang.
6. Cut bumper as per diagrams.
7. Fit towbar into position over exhaust first then line up with captive nuts in chassis rails.
8. Fit bolts supplied as per diagram making sure towbar is square to bumper cut, tighten to torque listing (In newer models, discard the rearmost bolt on the driver side, use it on the older models only).
9. Exhaust hanger brackets to be refit with towbar.
10. Refit spare wheel.
11. Towbar rating sticker to be conspicuously located on the inside rear end of the driver's door. (See diagram 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

FOR TOWING PURPOSES ONLY

For towing capacity details please refer to vehicle owners manual or to the manufacturer. Overloading can void your warranties



Position Load Rating
Label inside Driver's side
door here

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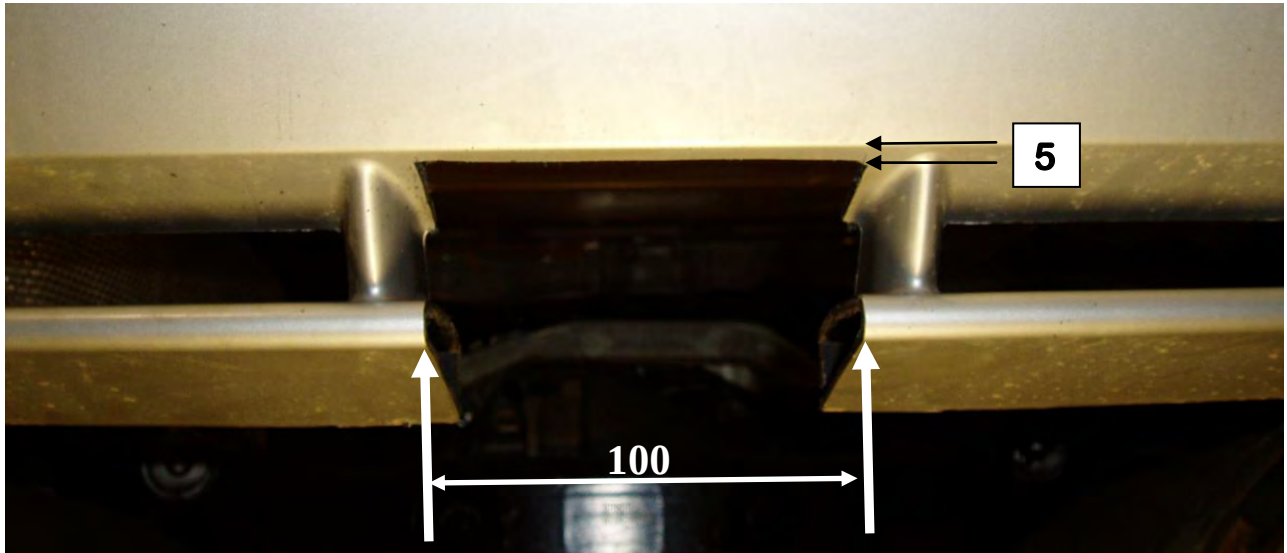
Bumper cut diagram 1, use fins on bumper as a guide.



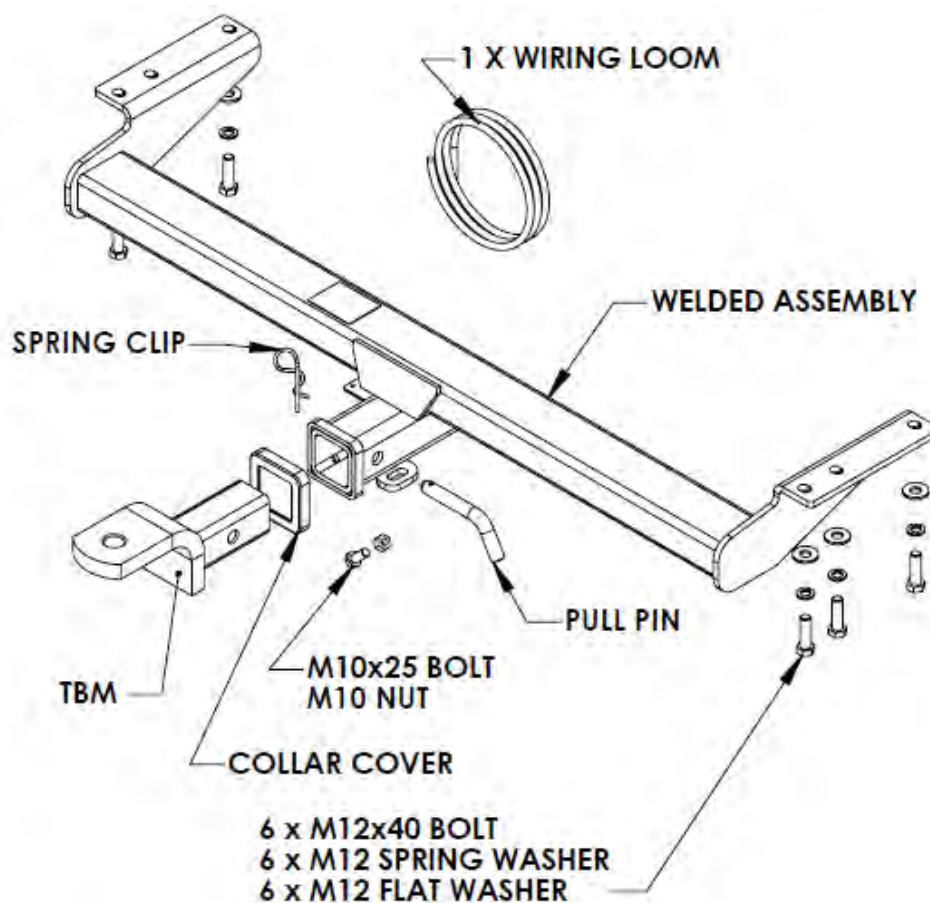
Bumper cut diagram 2. 75mm to be measured around the outside of the bumper

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Bumper cut diagram 3, R Design model





Wiring Loom Fitting Instructions
To Suit Volvo XC90
Part Number 100150-WL

Wiring Loom Installation Instructions

Volvo XC90
Part No: 100150-WL

Tail Harness Length Required: 1200mm
ECU Required: 04826
RPA Override Switch Part No: 04848 (If Fitted)

Wiring Loom Installation Time: Approx 30 Mins



Wiring Loom Fitting Instructions
To Suit Volvo XC90
Part Number 100150-WL

1. Remove all the required trims to gain access to the LHS and RHS tail light connectors.
2. Remove the battery support bracket and then remove the battery cover and the air compressor.
3. On the RHS of the battery compartment, carefully drill a Ø31mm hole into the indicated position.



4. File down any rough edges and spray on rust inhibitor around the hole in the rear of the luggage compartment and towards the rear RHS quarter of the vehicle.
5. Underneath the rear of the vehicle, mount the Tail Harness (tail length 1200mm) socket to the towbar mounting bracket using M4 fasteners (not supplied).
6. Route the tail harness across to the drilled hole ensuring to keep the harness away from the exhaust pipe. Adjust the tail harness grommet to the desired position ensuring that the tail harness grommet is seated correctly into place. Secure grommet with a cable tie (not supplied).
7. In the luggage compartment, retrieve the tail harness from the drilled hole.
8. At the LHS tail light cavity area, patch the Trailer Harness (P/No: 100150-WL) connectors in between the tail light connectors.
9. Connect the trailer patch harness ECU connector to the ECU. Secure the trailer patch harness ring terminal to the power point on the fuse panel. Secure the ECU to the vehicle harness using cable ties (not supplied) or using double sided tape (not supplied) onto the fuse panel support sheet metal area.
10. Route the trailer patch harness underneath the trim and foam trays, along the rear of the vehicle towards the RHS tail light cavity area. Connect the tail harness connector to the trailer patch harness connector.
11. On the RHS, patch the Trailer Harness connectors in between the tail light connectors.
12. On the outside, secure the harness to the towbar using cable ties (not supplied).
13. Test the Trailer socket using a light board or multi-meter.
14. Secure the all harnesses using cables ties (not supplied).
15. Refit all removed parts and secure all fasteners.
16. Place instructions in glove box after fitment.



FITTING INSTRUCTIONS

Silent Anti-Rattle Hitch Pin (PRO001)

• These fitting instructions are supplied to ensure understanding of how the HITCH PIN should be fitted and used correctly.

• Once installed, we recommend **ALL** instructions are kept and placed in the vehicle glove box.

NOTE: Routine maintenance and inspection of the towbar & HITCH PIN is required. Regularly inspect for wear and check the tightness of the Hitch Pin. Follow instructions below to retighten the nut when necessary.

***Do not tow with your vehicle if the R CLIP or the HITCH PIN is loose or missing. Replacement parts are available from your Pro Series Distributor.**

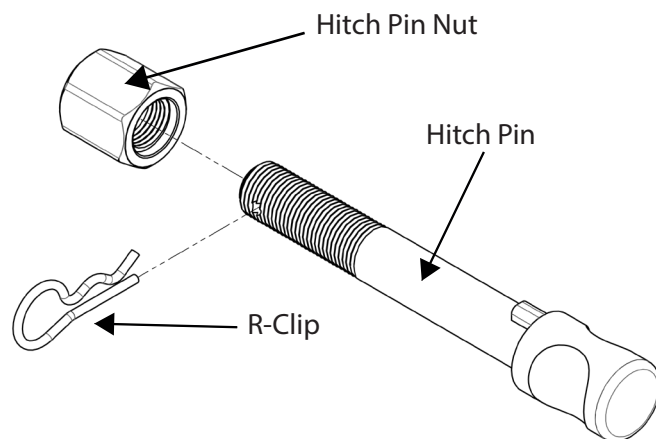


Fig 1. Silent Anti-Rattle Hitch Pin assembly

STEP 1

Insert Trailer Ball Mount (TBM) into towbar HITCHBOX, aligning hole in TBM SHANK with hole in HITCHBOX (Fig 2).

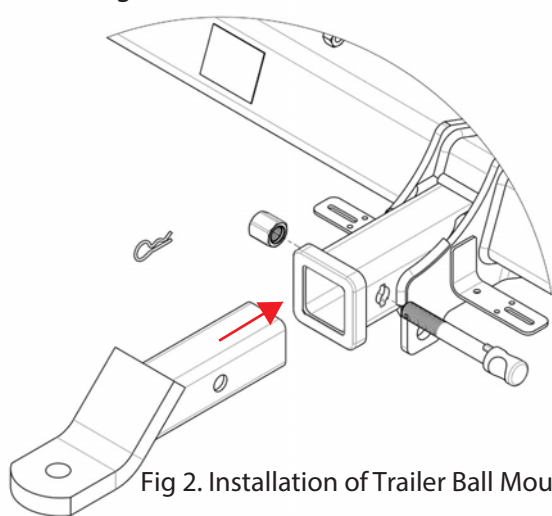


Fig 2. Installation of Trailer Ball Mount

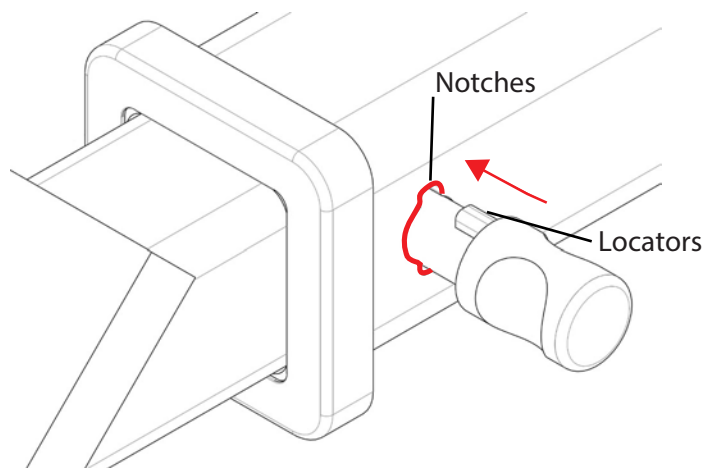


Fig 3. Silent Anti-Rattle Hitch Pin orientation

STEP 2

Insert HITCH PIN through hole in HITCHBOX and hole in TBM SHANK; ensure the LOCATORS are inserted into the NOTCHES in the HITCHBOX (Fig. 3).

STEP 3

Screw HITCH PIN NUT onto HITCH PIN ; tighten HITCH PIN NUT until finger tight, ensuring TBM is restrained from movement.

STEP 4

Tighten HITCH PIN NUT by turning nut a further 1/8th of a turn in the clockwise direction using a 24mm spanner (Fig. 4).

STEP 5

Install HITCH PIN R CLIP through the hole on the HITCH PIN (Fig. 1).

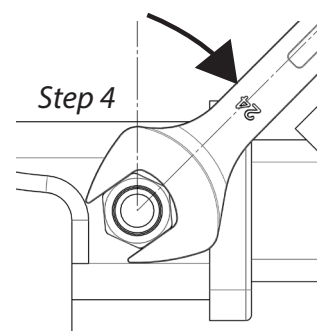


Fig 4. Tightening of Silent Anti-Rattle Hitch Pin Nut