



Towbar Fitting Instructions
To Suit SUBARU MY04 OUTBACK LIBERTY WAGON & SEDAN
Part Number QTSB310L
Rating 1800Kg

SUBARU OUT BACK 2.5Ltr

Max Tow Weight 1500 Kg
Max Ball load with load levrling hitch 150 Kg

SUBARU OUT BACK 3Ltr

Max Tow Weight 1800 Kg
Max Ball load with load levrling hitch 180 Kg

SUBARU LIBERTY SEDAN 2 Ltr

Max Tow Weight 1300 Kg
Max Ball load with load levrling hitch 130 Kg

SUBARU LIBERTY SEDAN 2.5Ltr

Max Tow Weight 1500 Kg
Max Ball load with load levrling hitch 150 Kg

SUBARU LIBERTY WAGON 2 Ltr

Max Tow Weight 1300 Kg
Max Ball load with load levrling hitch 130 Kg

SUBARU LIBERTY WAGON 2.5Ltr

Max Tow Weight 1500 Kg
Max Ball load with load levrling hitch 150 Kg

1. Ensure all hardware items have been included.
2. Remove rear bumper cover as per workshop manual.
3. Remove impact beam, retaining beam and 6 x M8 nuts.
4. Remove and discard the impact beam mounting brackets and nuts leaving the bumper cover support plate in place.
5. Remove rear mufflers.
6. Remove rear muffler heat shields.
7. Fit towbar to vehicle so as studs in vertical plane align with rear mounting plates of towbar and fit 6 M8 whizz nuts supplied.
8. Fit M10 bolts, spring washers and flat washers to reinforcement arms through chassis rails from under vehicle.
9. Refit impact beam with 6 x M8 nuts.
10. Cut heat shield, Ø19 hole saw. **See diagram**
11. Refit muffler heat shields.
12. Refit rear mufflers.
13. Cut bumper, **See diagram**.
14. Cut 5mm from the end of the lower bumper trim clip center pin to ease fitting of clips
(LIBERTY SEDAN ONLY)
15. Refit bumper cover as per workshop manual.

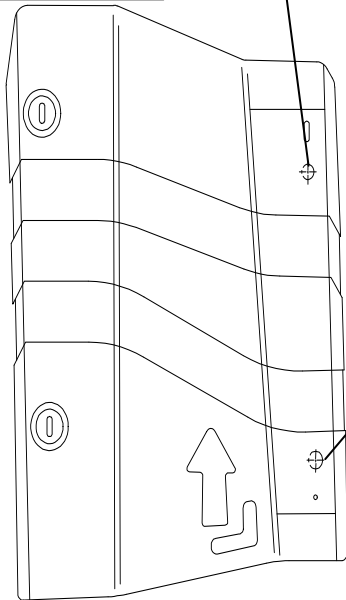
RECOMMENDED ASSEMBLY TORQUE LISTING

<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



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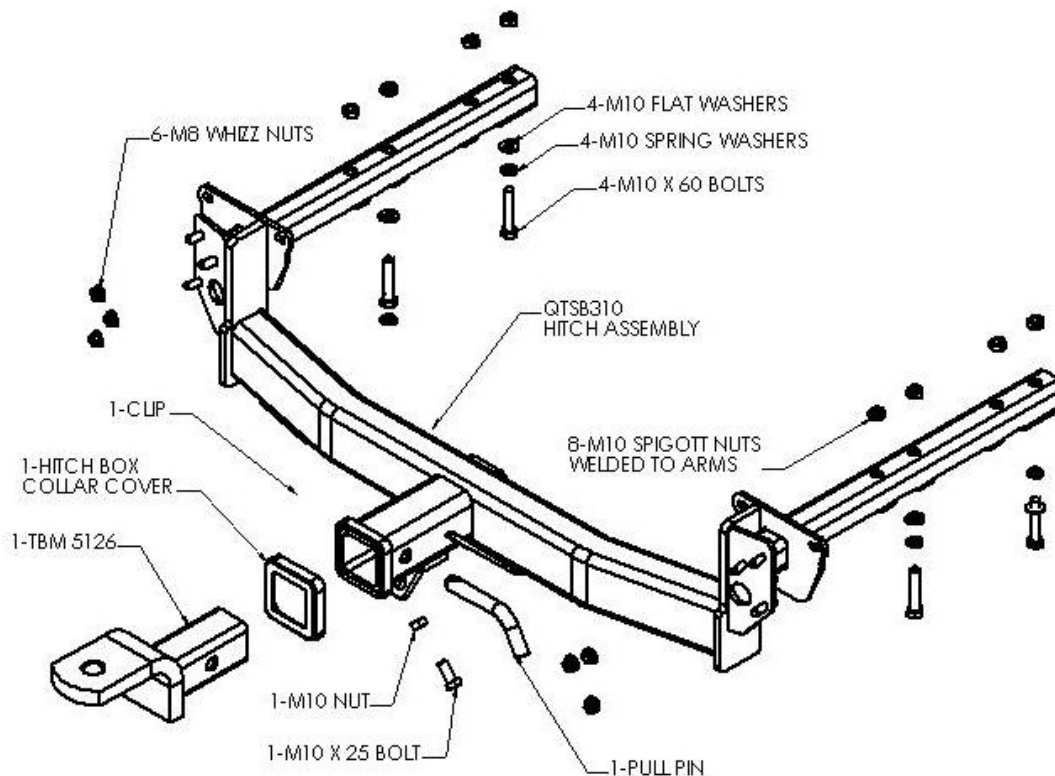
CENTRE POP MARK
OPEN HOLE TO 19mm



CENTRE POP MARK
OPEN TO HOLE TO 19mm

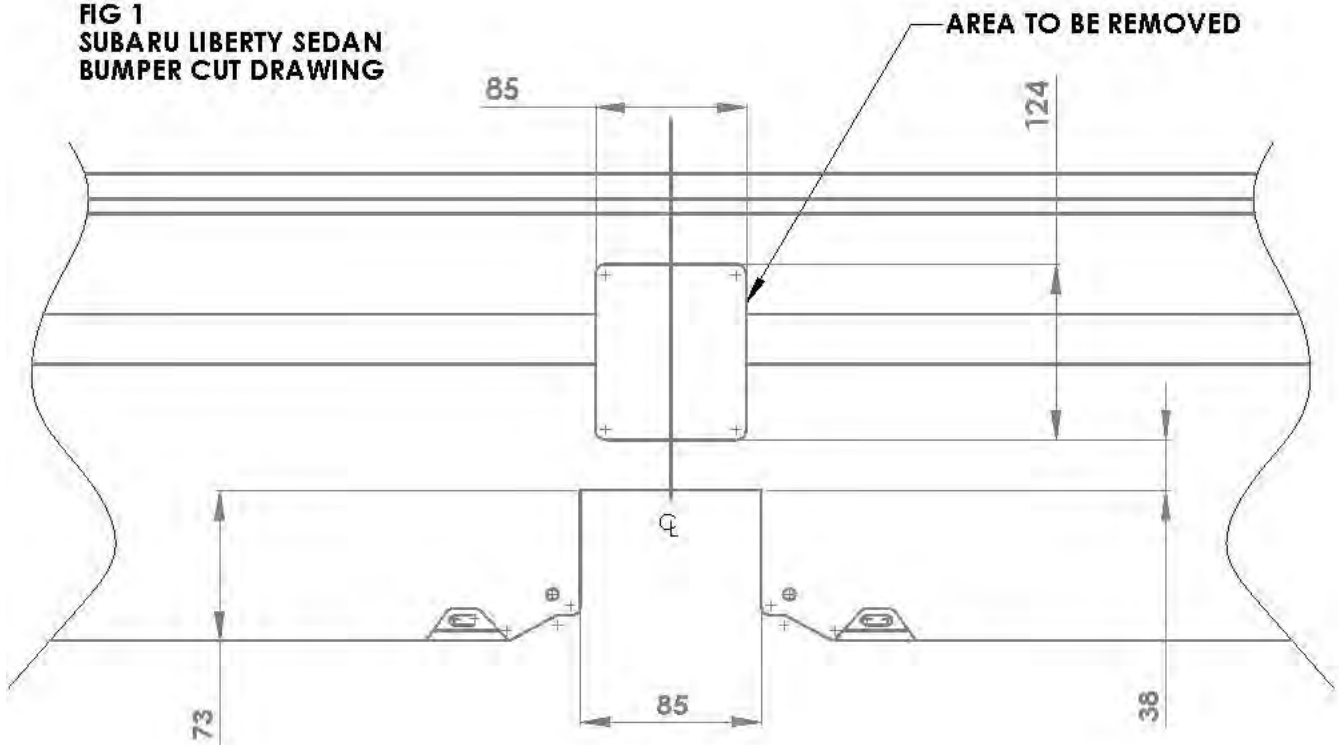
ANTI MOVEMENT

The anti movement bolt and lock nut is for the purpose of stopping trailer ballmount movement, located on the inside of the hitch box section. After fitting trailer ballmount, pin and clip tighten anti movement bolt onto trailer ballmount and lock with nut securely.

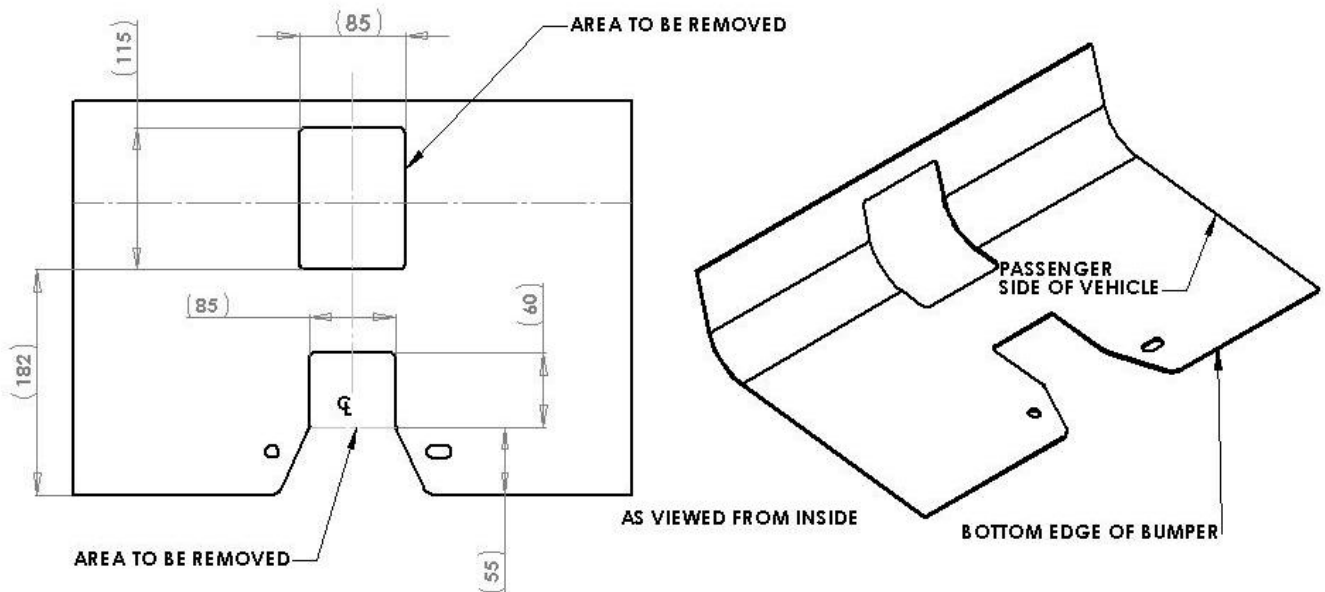


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**FIG 1
SUBARU LIBERTY SEDAN
BUMPER CUT DRAWING**

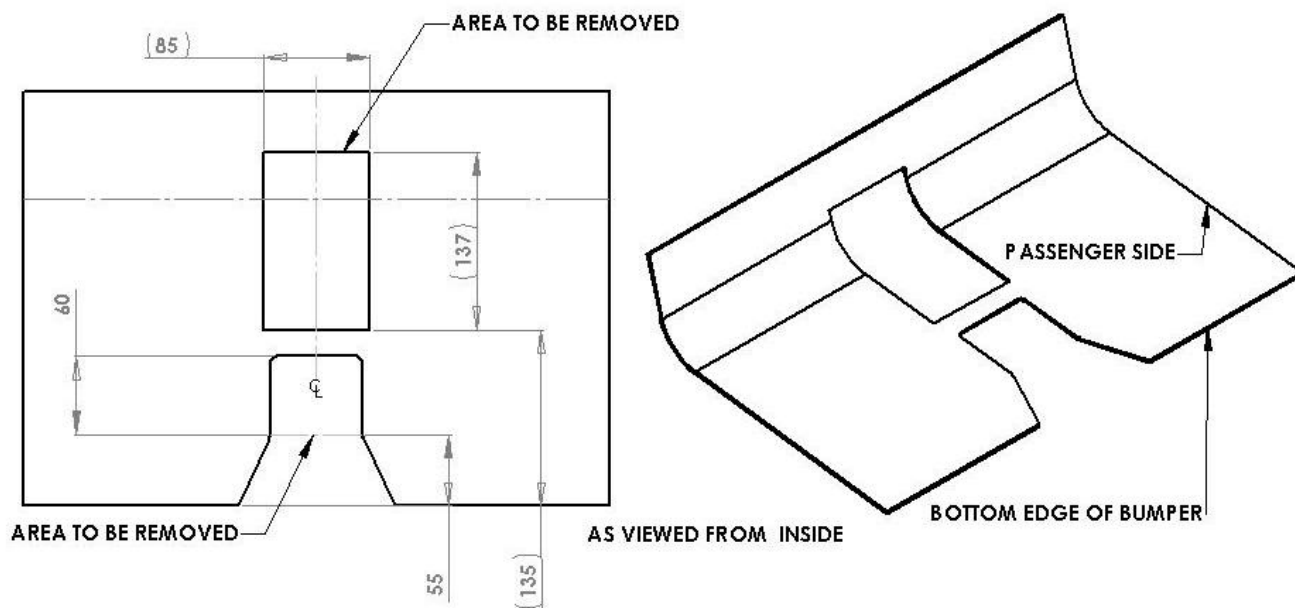


**FIG 2
SUBARU OUTBACK
BUMPER CUT DRAWING**



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FIG 3
SUBARU LIBERTY WAGON
BUMPER CUT DRAWING





Wiring Loom Fitting Instructions
To Suit Subaru Liberty - Outback - Sedan MY04
Part Number 100163-WL

Wiring Loom Installation Instructions

Subaru Liberty - Outback - Sedan MY04
Part No: 100163-WL

Tail Harness Length Required: 1800mm
RPA Override Switch Part No: 04848 (If Fitted)

Wiring Loom Installation Time: Approx 20 Mins



Wiring Loom Fitting Instructions
To Suit Subaru Liberty - Outback - Sedan MY04
Part Number 100163-WL

1. Remove the rear passenger seat and all the required trims to gain access to the RHS rear quarter area of the vehicle.
2. Remove the RHS luggage compartment grommet located in between the rear wheel arch and the vent. Using a step drill, drill out the grommet hole to Ø31mm. File down any rough edges and then spray with rust inhibitor.
3. Disconnect the vehicle 10-way reverse connector located on the 'D' pillar and locate the 10-way female trailer breakout connector.
4. Patch the Trailer Patch Harness (P/No: 100163-WL) in between the 10-way male and female reverse connector and the 10-way male trailer break out connector.
5. From outside of the vehicle, secure the Tail Harness (tail length 1800mm) socket onto the towbar mounting bracket using M4 fasteners. Route the Tail harness along the towbar towards the drilled out grommet hole. Secure the harness to the vehicle with cable ties (not supplied).
6. Route the tail harness (tail length: 1800mm) through the drilled out grommet hole.
7. Adjust the harness grommet to the proper length ensuring it is seated correctly into the grommet hole. Then secure grommet with a cable tie (not supplied).
8. Connect the Tail Harness 8-way male connector to the Trailer Patch 8-way female connector.
9. Test the Trailer Harness function using trailer light board or multimeter.
10. Secure all harnesses to the vehicle using cable ties (not supplied).
11. Refit all removed parts and secure all fasteners.
12. Please place the fitting instructions in the glove box after installation.



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.**

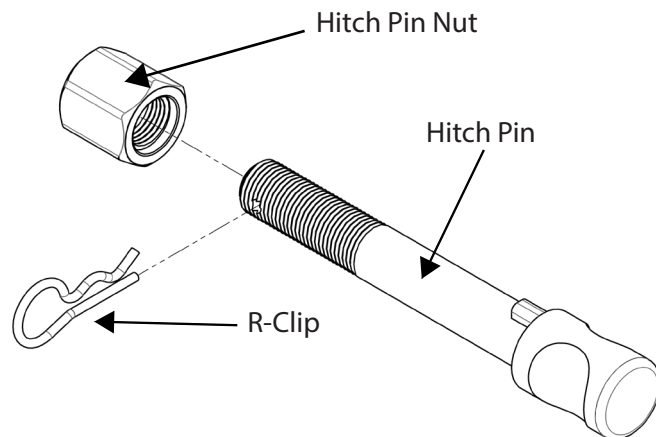


Fig 1. Silent Anti-Rattle Hitch Pin assembly

STEP 1

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

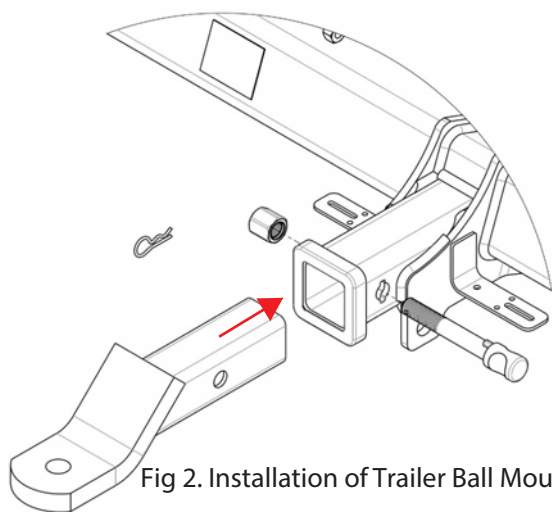


Fig 2. Installation of Trailer Ball Mount

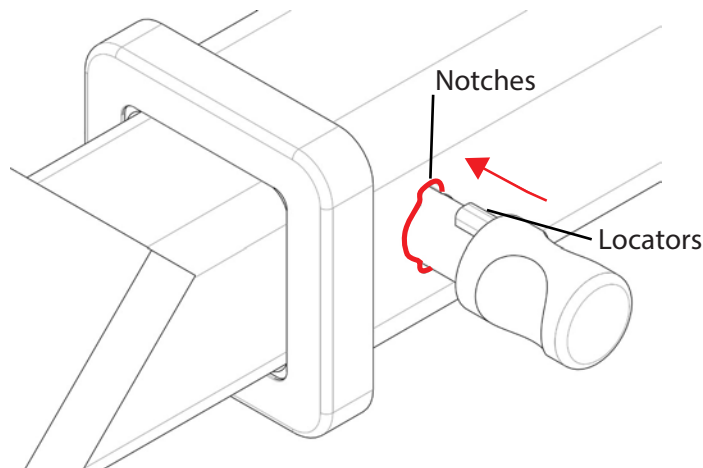


Fig 3. Silent Anti-Rattle Hitch Pin orientation

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).

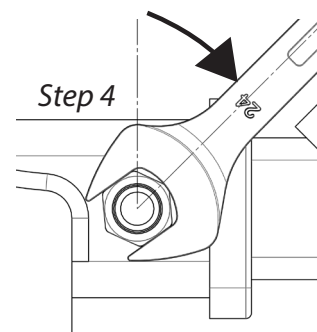


Fig 4. Tightening of Silent Anti-Rattle Hitch Pin Nut