



TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03437RW

TIGUAN 5NA CL4



PRODUCT DETAILS:

Part Number:	03437RW	Maximum Towing Braked:	2500	kg
ECU Number:	WLE70024	Maximum Towing Unbraked:	750	kg
Tail Harness Length Required:	1800 mm	Maximum Static Ball Load:	200	kg
TBM/Lug Part Number:	21201			
Wiring Part Number:	WLL90024			

FITTING DETAILS:

Towbar Installation Time:	90 Mins.	Hayman Reese SmartCODE Solution Required:	YES
Wiring Installation Time:	40 Mins.	RPA Disable/Other:	YES
Total Installation Time:	130 Mins.		
Bumper Cut Required:	Yes	Note:	

- Please refer vehicles owner's manual for proper operation and understanding of towing features enabled when coded.



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ENSURE THAT INSTRUCTIONS ARE UNDERSTOOD PRIOR TO FITMENT.

i BEFORE YOU START:

Hayman Reese recommends that instructions are read completely prior to fitment. Check all hardware items have been included refer to assembly diagram. Please ensure this towbar is only fitted to vehicle models as per Hayman Reese application guide (www.haymanreese.com.au).

Bumper Cuts



Vehicle and bumper variations can and do occur during vehicle manufacture after initial towbar design. Fitment of towbar to vehicle and accuracy of bumper cut must be assessed prior to any bumper modifications made. Incorrect bumper cuts are not covered under Hayman Reese warranty.

NOTE: Bumper cuts need to be approached with care, refer to notes below.

- Bumper centreline – where the centreline of the bumper needs to be determined, the installer must assess centre point by measurement of bumper width or determining two symmetrical reference points to give centreline.
- Bumper edge – To assist with accurate bumper cut measurement, reference to the start of the bumper edge is now being commonly used.
 - Measure from bottom edge along bumper and around corner to the 70 mm point (Figure 1).
 - Do not measure from visible bumper front of corner, upwards (Figure 2).

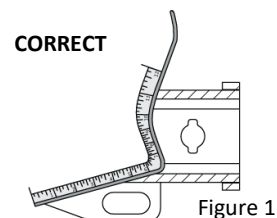


Figure 1

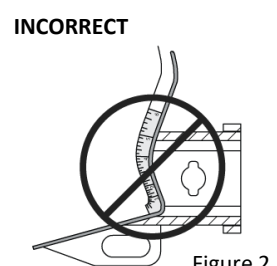


Figure 2

Drilling

- For any required drilling during installation, ensure that the area is clear of fuel, electrical & other components that may be damaged.
- All holes drilled into the body panels shall have all burrs & swarf removed then coated with a suitable rust preventative paint.

Bolts/Fasteners

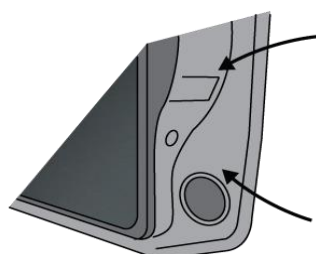
- Ensure that all hardware is fastened to correct torque as specified in this fitting instruction.
- All fasteners supplied with this product are used to achieve a specified clamp loading. If replacement is required ensure that fasteners of the same grade and class are used.



NOTE: Achieving correct torque is critical to proper installation and responsibility of the installer. Towbar failures attributed to tension issues from over tightening or under tightening are not covered by Hayman Reese warranty.

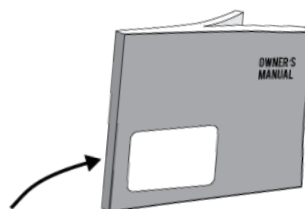
Product Labels

- a. Towbar load rating sticker provided with this product shall be conspicuously located on inside rear end of the driver's door.
- b. Powertrain Control Module (PCM)/Body Control Module (BCM) upgrade warning label will be provided in towbar kit for vehicles as required. Affix warning label in door and owner's handbook.



Place **Load Rating sticker** inside driver's door here

Place **Vehicle PCM/ BCM upgrade warning label** in door AND on front cover of owner's service handbook



WARNING:

Do not, drill, cut, weld or otherwise modify the towbar.

FOR TOWING PURPOSES ONLY - This towbar is designed and tested by Hayman Reese to adhere to ADR 62/02 which provides only for the expected load demands of towing.

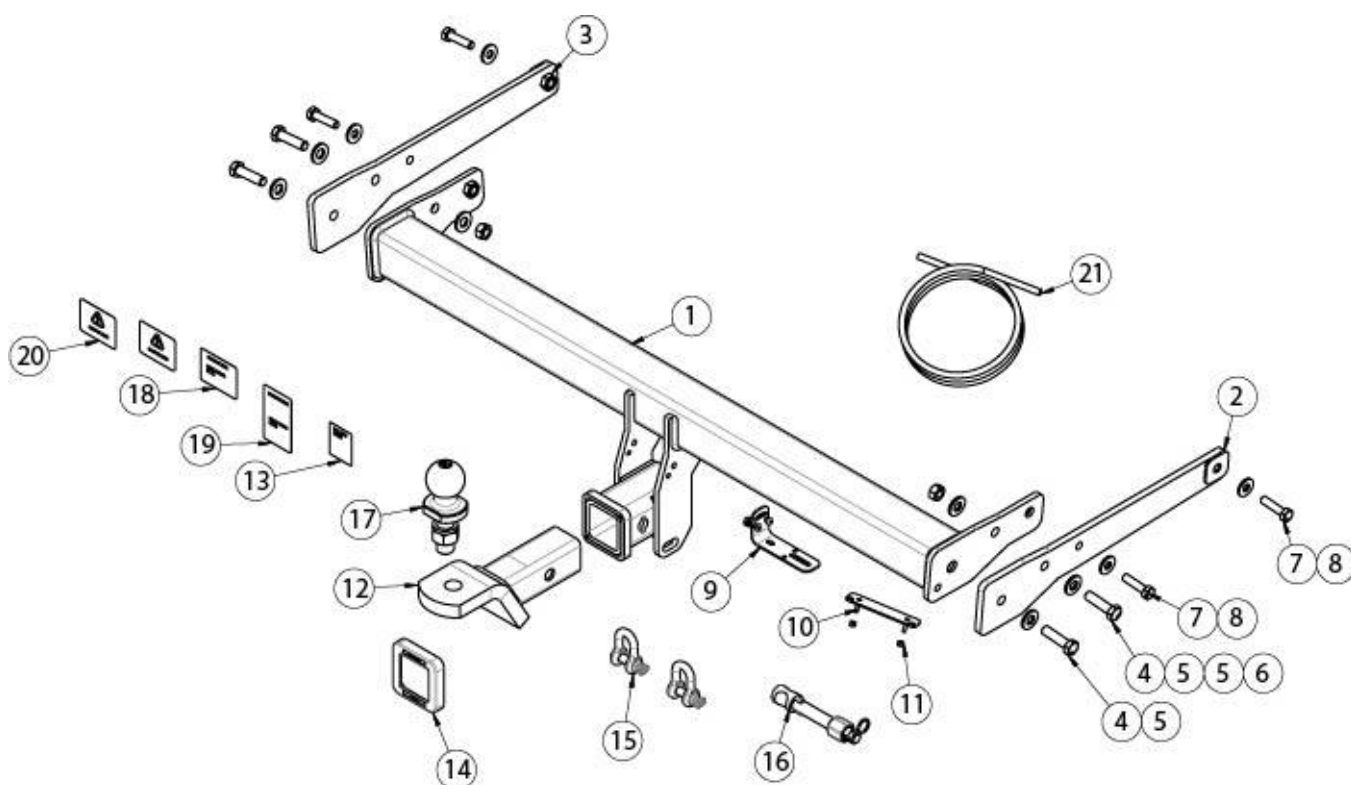


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i TOWBAR ASSEMBLY DIAGRAM



ITEM	DESCRIPTION	QTY
1	VW TIGUAN 5NA WELDED ASSY	1
2	SIDEARM ASSEMBLY – RHS	1
3	SIDEARM ASSEMBLY – LHS	1
4	SET SCREW HEX HD M12x45x1.25P	4
5	WASHER PLAIN 1/2"	6
6	NUT HEX HD M12x1.25P	2
7	BOLT HEX HD M10x40x1.25P	4
8	WASHER PLAIN M10x25x3	4
9	UNIVERSAL PLUG BRACKET KIT	1
10	PLUG BRACKET	1
11	NUT NYLOC HEX HD M4x0.7P	2

ITEM	DESCRIPTION	QTY
12	TRAILER BALL MOUNT	1
13	HAYMAN REESE LOGO STICKER	1
14	HITCH BOX COLLAR COVER	1
15	"D" SHACKLE 10mm	2
16	SMART PIN GOLD	1
17	TOWBALL 50mm	1
18	COMPLIANCE LABEL	1
19	LOAD RATING LABEL	1
20	CAN MODULE WARNING LABEL	2
21	WIRING LOOM	1

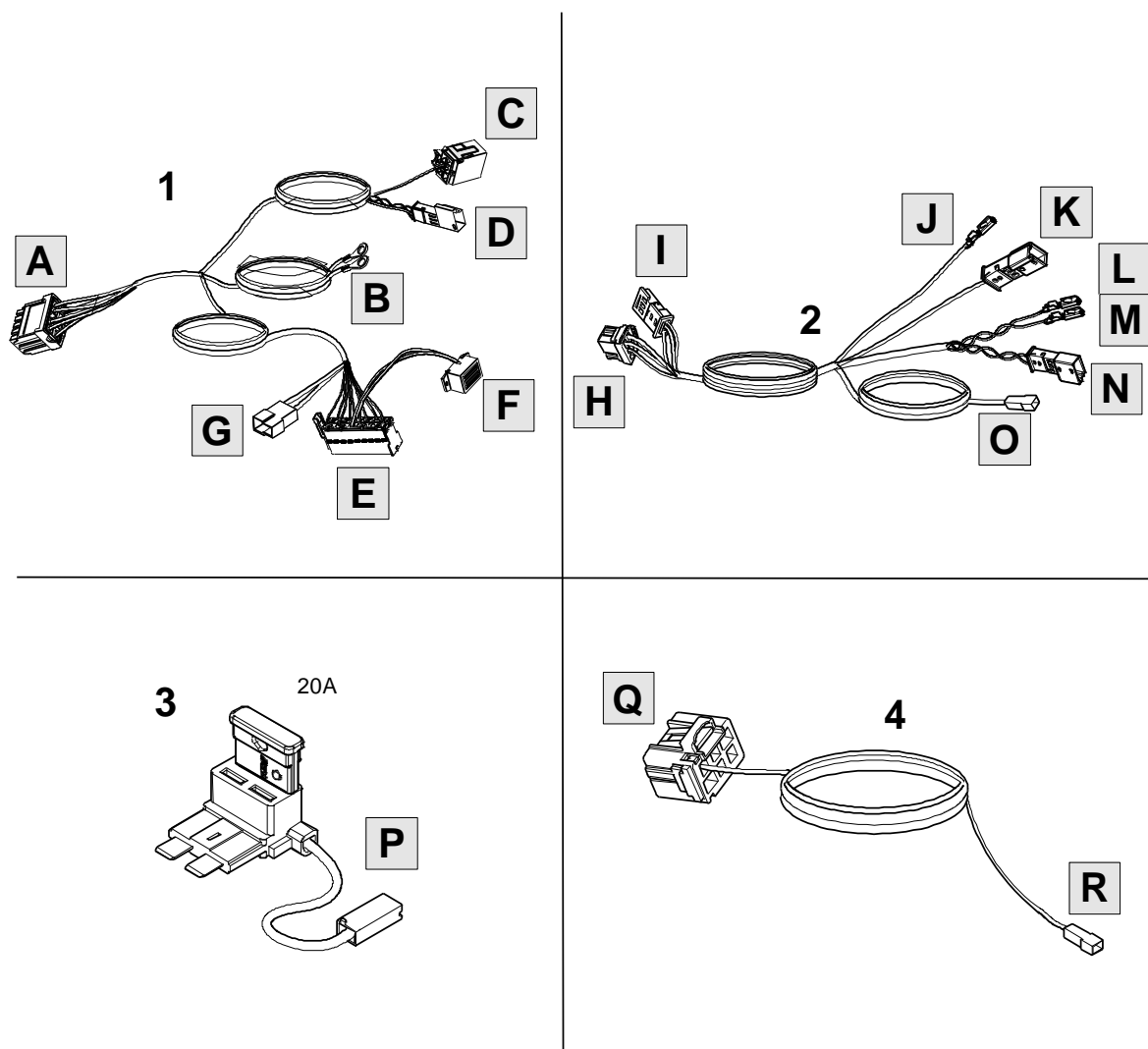


TOWBAR INSTALLATION INSTRUCTIONS

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TIGUAN 5NA CL4

i WIRING ASSEMBLY DIAGRAM



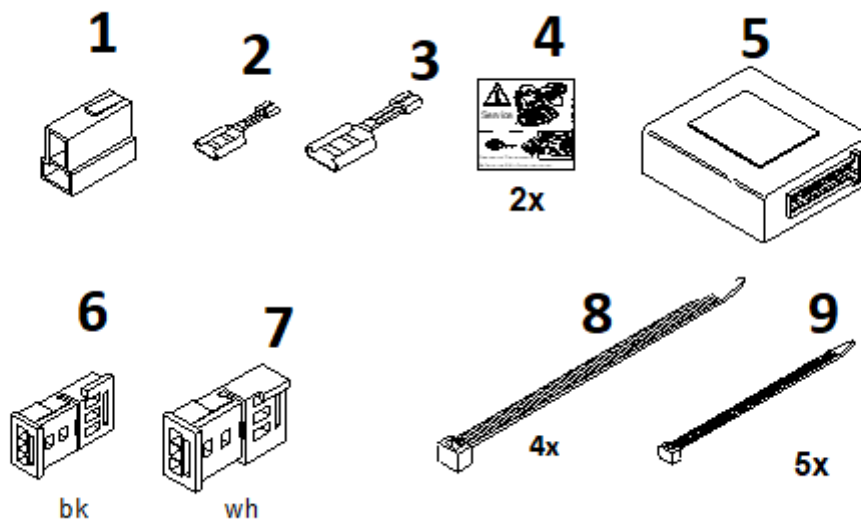
ITEM	DESCRIPTION	QTY
1	MAIN HARNESS	1
2	CAN EXTENSION HARNESS (NOT REQUIRED)	1
3	ADD-A FUSE (NOT REQUIRED)	1
4	POWER INPUT HARNESS (NOT REQUIRED)	1



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HARNES ACCESSORIES		
ITEM	DESCRIPTION	QTY
1	2-WAY F. CONNECTOR 6.3MM (BRAKE PREP CONNECTOR)	1
2	F. CONTACT 6,30MM/1,00mm ² (BRAKE PREP CONNECTOR)	1
3	F. CONTACT 6,30MM/2,50mm ² (BRAKE PREP CONNECTOR)	1
4	LABEL DIAGNOSTICS CAN- MODULE	2
5	TRAILER ECU (WLE70024)	1
6	3-WAY F. CONNECTOR (BLACK)	1
7	3-WAY F. CONNECTOR (WHITE) (NOT REQUIRED)	1
8	300mm CABLE TIE	4
9	150mm CABLE TIE	5



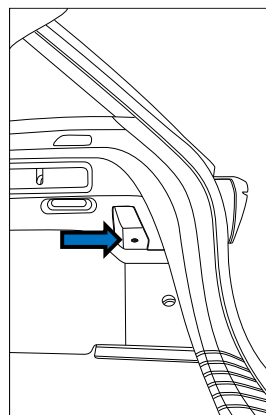
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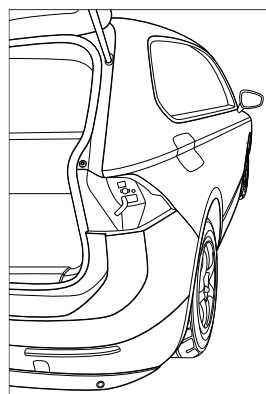
-
1. Remove trim cover inside boot and remove plastic screw securing tail light assembly.

Repeat for opposite side of vehicle.



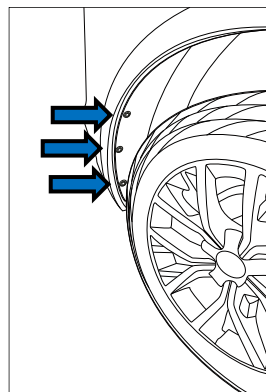
-
2. Remove and disconnect rear tail light assembly.

Repeat for opposite side of vehicle.



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3. Remove 3 x screws from within rear wheel arch.

Repeat for opposite side of vehicle.





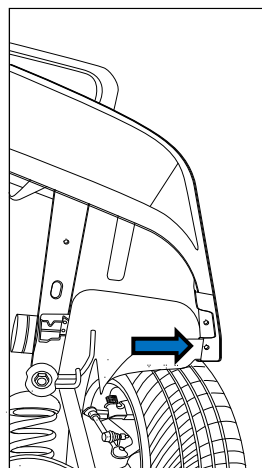
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PART NUMBER 03437RW

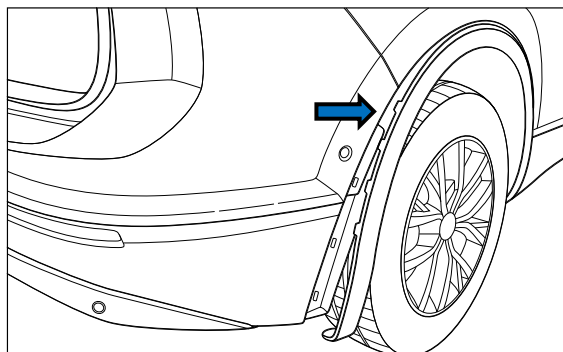
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4. Remove 1 x screw from underside of bumper rear of wheel arch.

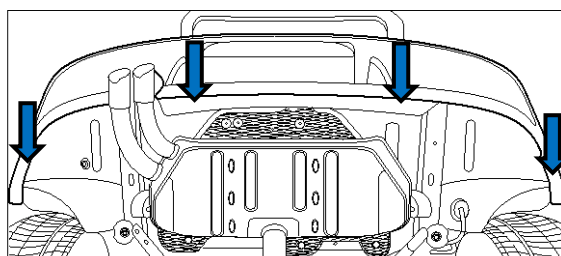
Repeat for opposite side of vehicle.



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5. Partially unclip rear wheel arch trim; remove 1 x screw from rear bumper, next to rear wheel arch.



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6. Remove 4 x scrivets from underside of bumper.



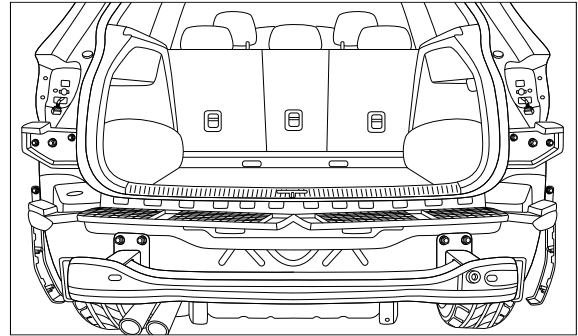


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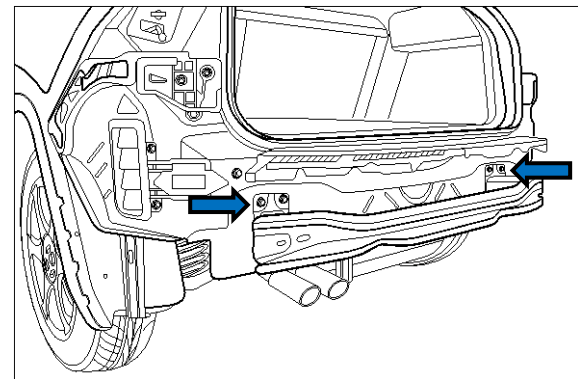
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7. Carefully unclip and remove rear bumper. Disconnect rear parking assist loom as required.

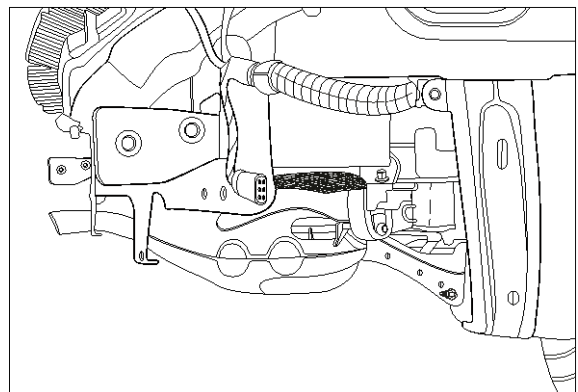


8. Remove and discard 7 x hex head screws (3 on left and 4 on right) from impact beam; remove and discard impact beam.



9. Insert sidearm assembly into chassis rail; loosely secure sidearm assembly to outboard side of chassis rail using 1 x M10 bolt, complete with 1 x M10 flat washer.

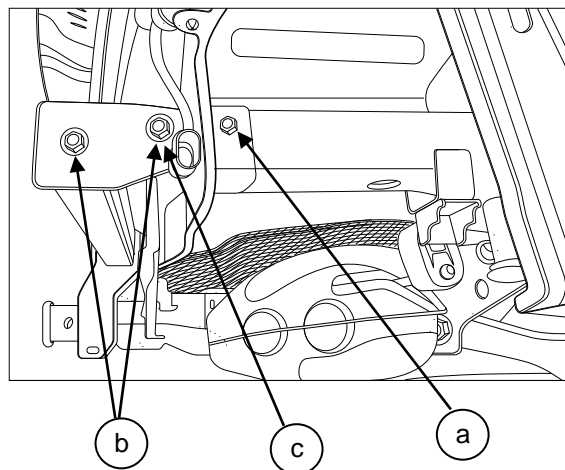
Repeat for opposite side of vehicle.



10. a) Loosely secure towbar-welded assembly to sidearm assemblies and chassis rail using 1 x M10 bolt per side, complete with 1 x flat washer per bolt.

b) Loosely secure towbar welded assembly to sidearm assemblies using 2 x M12 hex head screws per side, complete with 1 x flat washer per screw.

c) Secure 2 forward M12 hex head screws using 1 x flat washer and 1 x M12 nut per screw.



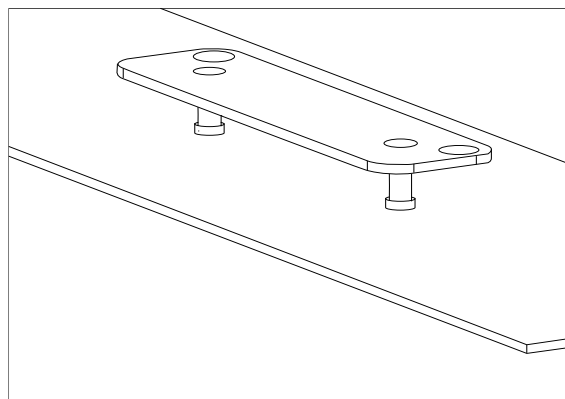
11. Tighten all fasteners to torques listed below:

- M10 Bolts: 68 N.m
- M12 Screws: 125 N.m

12. Mark out and drill 2 x \varnothing 5mm holes 69mm apart on bumper skin to support plug bracket. Feed bracket threads through drilled holes prior to reinstalling bumper.

13. Reinstall bumper following steps 1 to 7 in reverse order.

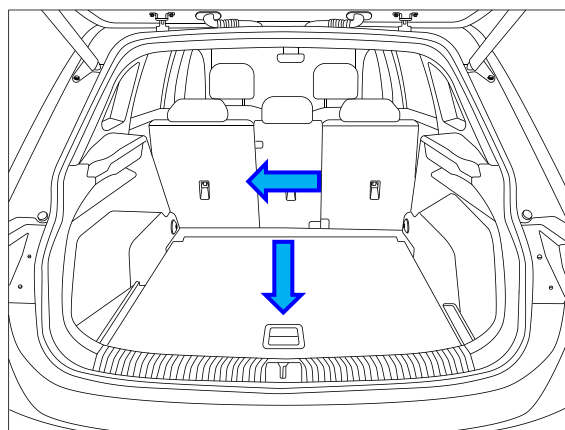
Note: Bumper cut may not be required for this installation due to existing window in bumper. Be careful to thread receiver through window before clipping bumper to vehicle. Tape may be needed at areas of the bumper window to minimise the risk of scratches during this operation.



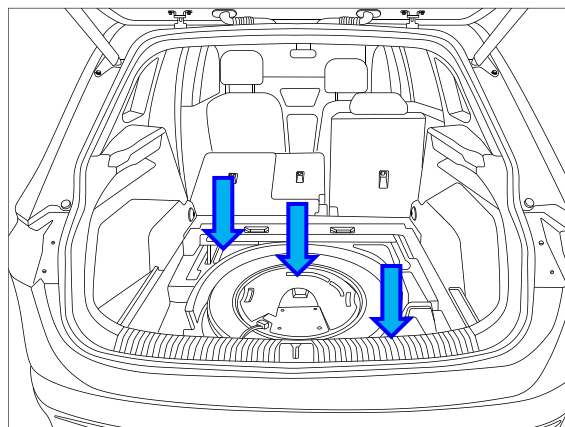
IMPORTANT

Due to possible vehicle variations, always confirm any noted vehicle colour wires with a multi-meter to ensure the correct function is identified before soldering or scotch locking. For vehicle wires denoted with two colours (example; RED/GREEN) the first colour will always be the main wire colour while the second colour is the thinner trace colour on the wire.

14. Open the tailgate and remove the keys.
15. Remove the rear sun shade and carpet floor panel.
16. Fold down the LHS middle row seat.



17. Disconnect the subwoofer connector, remove the subwoofer by unscrewing the retainer (if Applicable).
18. Remove the spare wheel (1).
19. Remove the foam tool tray (2).
20. Remove the sill trim.



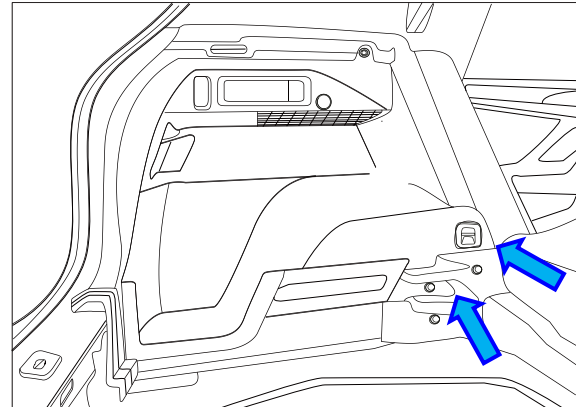


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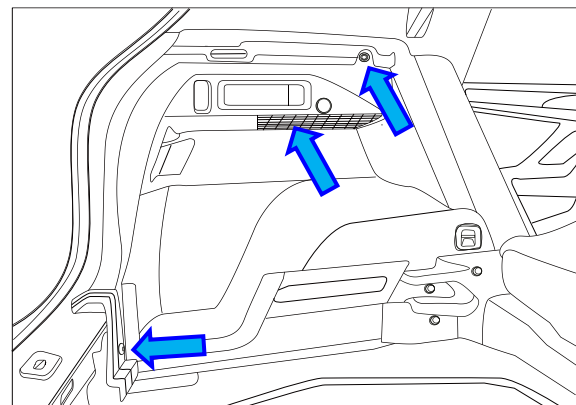
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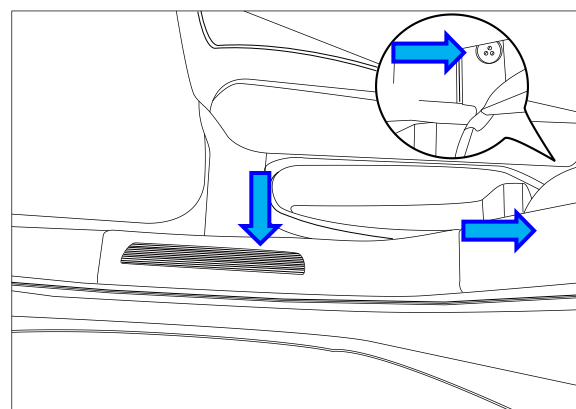
21. On the LHS of the rear boot remove the 3x torx screws securing the lower plastic trim.
22. Remove the cargo hook.



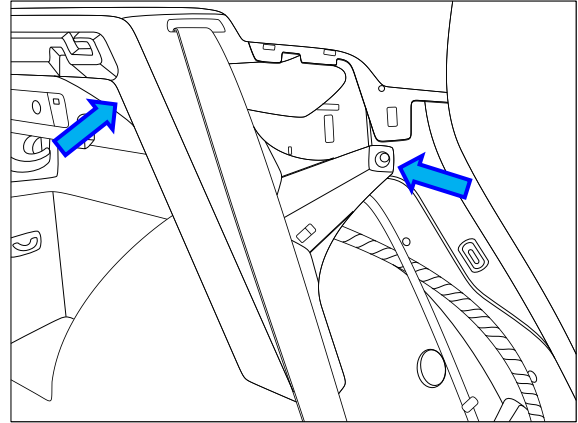
23. Remove the rear scrivet from the LHS trim.
24. Remove the torx screw from behind the rear seat release.
25. Remove the upper torx screw from the LHS trim.



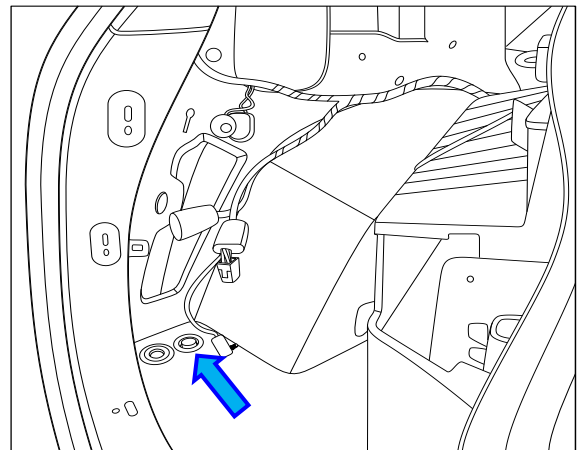
26. Remove the LHS rear passenger sill trim.
27. Remove the plastic nut that secures the lower C-pillar trim.
Note to make it easier if need be remove the lower seat cushion.
28. Remove the lower C-Pillar trim.



29. Remove the scrivet that is securing the rear LHS trim.



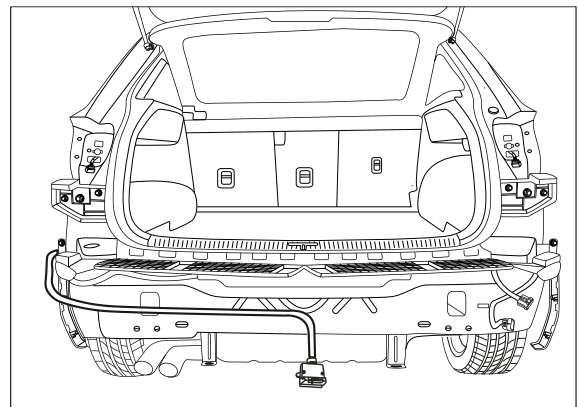
30. Locate and remove the $\varnothing 30\text{mm}$ grommet.



31. From outside the vehicle route and secure the tail harness (1800mm) to the towbar allowing enough length to later secure the trailer socket to plug bracket.

32. Slide the grommet to desired location, secure the grommet to the tail harness and feed through the previously exposed hole **ensure the grommet is seated properly.**

Keep harness routing clear of all sharp edges, moving parts and places of extreme heat.



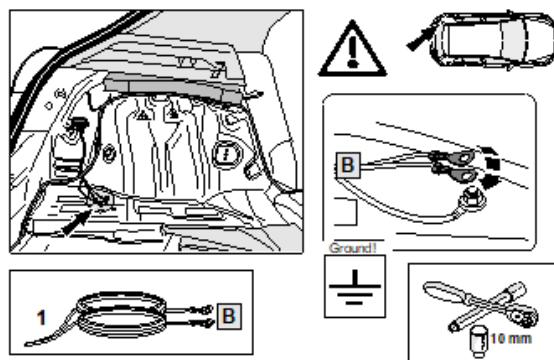


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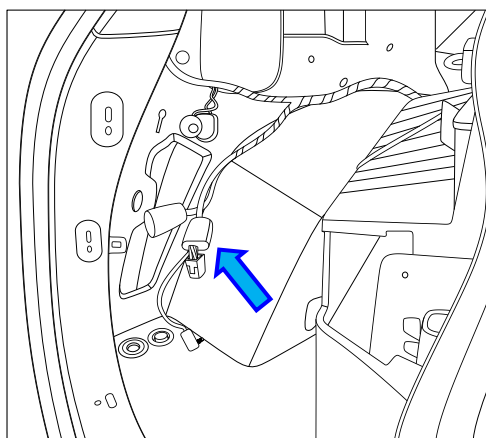
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33. Connect the trailer patch ring terminals (B) to the factory ground point.

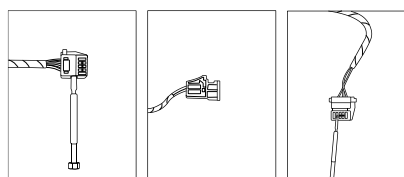


34. From inside the LHS rear of the vehicle locate the vehicle trailer prewire 6-way and 10-way connectors. These connectors are wrapped in foam.



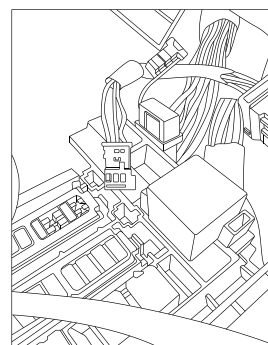
35. Locate the 10-way connector, using a jeweller's screw driver release the secondary lock.

36. Remove the following wires, place them into the 3-way black supplied female connector (6) by pressing down on the terminal tang to release.



Vehicle 10 pin	C o l o u r	Harness 3 pin	Function
Pin 2	Black/Red	Pin 2	Brake
Pin 3	Orange/Green	Pin 1	Can hi
Pin 4	Orange/Brown	Pin 3	Can low

Note: Ensure the terminals do not make contact.



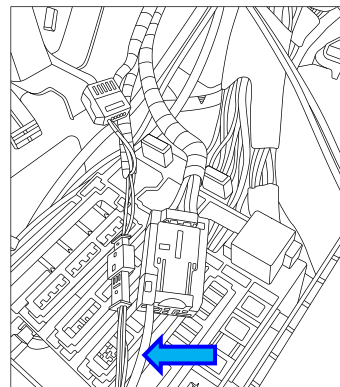


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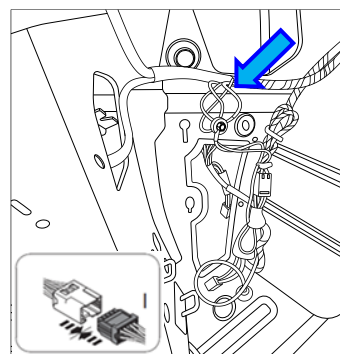
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37. Plug the trailer patch 6-way power connector (C) into the vehicle mating connector.
38. Plug the trailer patch 3-way black connector (D) into the 3-way mating connector.



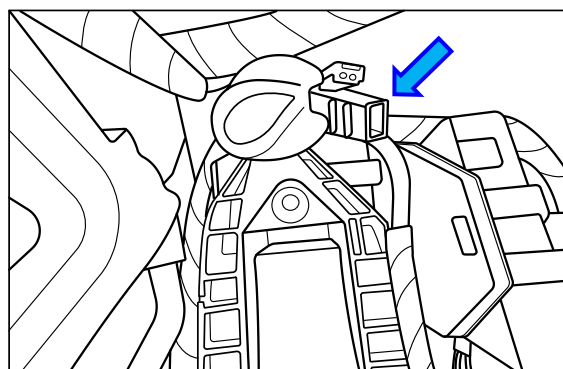
39. Connect the trailer module (5) to the trailer patch 18-way connector (E).
40. Peel the backing tape from the trailer module (5), place module to vehicle inner Sheetmetal. **Apply pressure ensuring good adhesion.**
41. Plug the trailer patch blue connector (A) to mating 1800mm tail connector.



CAN bridge Connection.

42. Locate the 2x 2-way CAN connectors which located under the dash on the driver's side.
43. Mate the connectors together.

Note: These connectors are up high and are wrapped in foam.





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44. Secure all harnesses using cable ties.
 45. Refit the rear bumper fascia.
Note: Ensure that all connections are reconnected.
 46. Prior to coding test the functionality of lights using a test board if functionality passes proceed to coding of the vehicle.
 47. Pay attention to the Coding instruction page.
(Appendix)
 48. Once the vehicle is coded test the trailer functionality with a test board.
 49. Refit all removed interior parts.
 50. Place fitting instructions in the glovebox when finished.
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CUSTOMER INFORMATION

PLACE THESE INSTRUCTIONS IN THE
VEHICLE'S GLOVEBOX AFTER INSTALLATION

**THANK YOU FOR PURCHASING HAYMAN REESE.
WITH CORRECT MAINTENANCE AND CARE THIS PRODUCT WILL PROVIDE A
LIFETIME OF TROUBLE-FREE OPERATION.**

i TOWBAR MAINTENANCE AND CARE:

1. Hayman Reese recommend that the towbar LUG or TBM (tow ball Mount) Pull Pin and R-clip are removed and stored when not in use. Removal of LUG or TBM (tow ball mount) is advisable when not in use to assist with any of the following.
 - Ensure rear number plate is not obscured.
 - Allow maximum available departure angle and prevent any potential interference.
 - Prevent possible interference with vehicles reverse sensors or camera detecting a tow ball mount as an obstruction during reversing.
 - Removes towball mount as an obstruction for when moving around the rear of the vehicle.
2. Hayman Reese recommends routine inspection of your towbar to ensure trouble free towing.
 - Bolt security and tension should be regularly inspected and checked for correct tension. Replace any worn or defective parts with suitable grade & class fasteners. Inspection should be requested to coincide with vehicle major services.
3. It is the owner's responsibility to ensure towing and down ball weight capacities of the towing vehicle are not exceeded.
 - Towing and down ball weights allowable may differ according to model variations. Please refer to owner's manual or vehicle dealer to confirm exact rating for your vehicle model variant.
 - It is not uncommon for the vehicle tow rating to differ from the towbar rating. When this occurs, the lesser rating must be adhered to.
 - For vehicles fitted with enhanced vehicle functions that may be altered/changed when towing i.e Trailer sway mitigation, blind spot detection, adaptive cruise control etc. Please consult owner's manual to understand changes enabled when towing and after towing.

i WARRANTY INFORMATION:

Hayman Reese Towbars are covered by a Lifetime Warranty.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

For further details please visit www.haymanreese.com.au/warranty or contact customer service on 1800 812 017 or info@haymanreese.com.au.



CUSTOMER INFORMATION

PLACE THESE INSTRUCTIONS IN THE VEHICLE'S GLOVEBOX AFTER INSTALLATION

HAYMAN REESE SMART PIN

Your Hayman Reese towbar is equipped with Smart Pin technology to help reduce towbar tongue rattle in most driving conditions. Please ensure below instructions are understood and routine maintenance is carried out to ensure best towing experience.

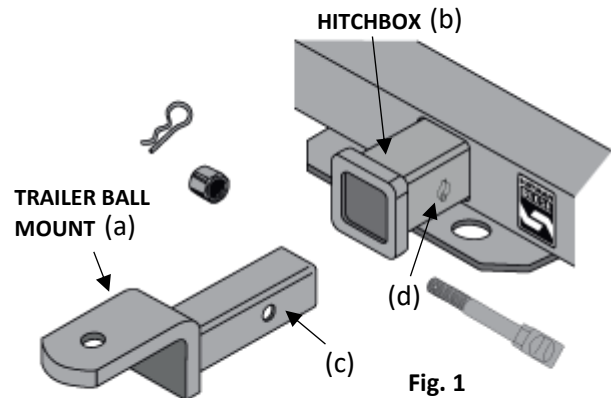
i Regularly inspect for wear and check the tightness of the Smart Pin Nut. Follow instructions below to re-tighten the nut as necessary when movement and noise in the tow ball mount is noted.

- Before towing, ensure R-Clip is properly installed and Smart pin nut is installed and tensioned. Replacement parts are available from your Hayman Reese Distributor.

TOWBALL MOUNT REMOVAL/INSTALLATION

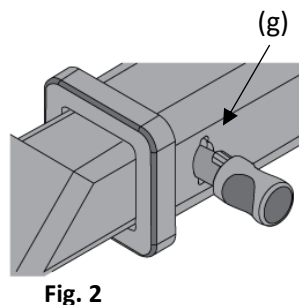
STEP 1

Insert Trailer Ball Mount (TBM) (a) into towbar hitchbox (b), aligning hole in TBM shank (c) with hole in hitchbox (d) (Fig. 1)



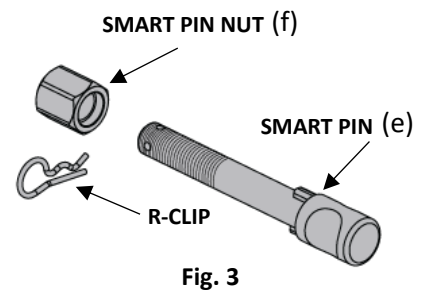
STEP 2

Insert Smart Pin (e) through hole in hitchbox and hole in TBM shank (g); ensure the locators are inserted into the notches in the hitchbox (Fig. 2)



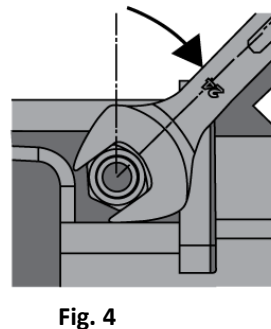
STEP 3

Screw Smart Pin Nut (f) onto Smart Pin (g); tighten Smart Pin Nut until finger tight, ensuring TBM is restrained from up and down movement.



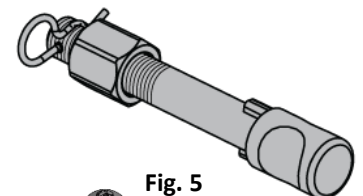
STEP 4

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



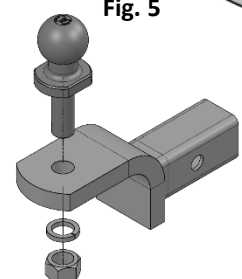
STEP 5

Install Smart Pin R-Clip through the hole that provides best clearance or easiest access. (Fig. 5)



STEP 6

Install towball onto TBM and tighten to **350 Nm** using a calibrated torque wrench (Fig. 6).



Appendix



WARNING: This vehicle requires a system setting to ensure the trailer wiring and control module are correctly recognised. This process (referred to as 'coding') must be carried out to enable correct vehicle functionality when trailer is connected. Towing features enabled by correct control module and coding support OE functionality as set by OE manufacturer. Please read the vehicles owner's manual for proper operation and understanding.

Coding can be carried out using the Hayman Reese SmartCODE (HRSC) using the following steps. Note, if HRSC is unavailable, vehicle coding can be carried out by OE manufacturer as needed.

Before you start:

- **Ensure the HRSC software is up to date using the HAYMAN REESE SMARTCODE PC APP.**
 - **Ensure the vehicle battery is fully charged**
 - **Use of a battery support unit (BSU) is advised during the coding process.**
 - **Ensure towbar, wiring loom and ECU are correctly installed as per Hayman Reese fitting instructions.**
1. Locate the OBD2 port under the drivers footwell on the right-hand side and plug in the HRSC.
 2. Close all doors and turn the ignition on
 3. Follow the directions on the screen of the HRSC
 4. Once the vehicle has been coded successfully proceed to the "clear codes" tab
 5. Remove disconnect HRSC from OBD2 port.
 6. Check the dash to make sure there are no warning faults.
 7. Check the operation of trailer lights and ensure the Reverse Park Assist (RPA) is disabled and 'trailer on' icon is active where available.

For technical support and further information on Hayman Reese SmartCODE tool and coding process contact your nearest Hayman Reese stockist.

Australia: 1800 812 017

New Zealand: 0800 237 886



TOWBAR INSTALLATION INSTRUCTIONS

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SKODA KODIAQ NS CL4



PRODUCT DETAILS:

Part Number:	03437RW	Maximum Towing Braked:	2500	kg
ECU Number:	WLE70024	Maximum Towing Unbraked:	750	kg
Tail Harness Length Required:	1800 mm	Maximum Static Ball Load:	200	kg
TBM/Lug Part Number:	21201			
Wiring Part Number:	WLL90024			

FITTING DETAILS:

Towbar Installation Time:	90 Mins.	Hayman Reese SmartCODE Solution Required:	YES
Wiring Installation Time:	40 Mins.	RPA Disable/Other:	YES
Total Installation Time:	130 Mins.		
Bumper Cut Required:	Yes		

Note:

- Please refer vehicles owner's manual for proper operation and understanding of towing features enabled when coded.



TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03437RW

SKODA KODIAQ NS CL4

ENSURE THAT INSTRUCTIONS ARE UNDERSTOOD PRIOR TO FITMENT.

i BEFORE YOU START:

Hayman Reese recommends that instructions are read completely prior to fitment. Check all hardware items have been included refer to assembly diagram. Please ensure this towbar is only fitted to vehicle models as per Hayman Reese application guide (www.haymanreese.com.au).

Bumper Cuts



Vehicle and bumper variations can and do occur during vehicle manufacture after initial towbar design. Fitment of towbar to vehicle and accuracy of bumper cut must be assessed prior to any bumper modifications made. Incorrect bumper cuts are not covered under Hayman Reese warranty.

NOTE: Bumper cuts need to be approached with care, refer to notes below.

- Bumper centreline – where the centreline of the bumper needs to be determined, the installer must assess centre point by measurement of bumper width or determining two symmetrical reference points to give centreline.
- Bumper edge – To assist with accurate bumper cut measurement, reference to the start of the bumper edge is now being commonly used.
 - Measure from bottom edge along bumper and around corner to the 70 mm point (Figure 1).
 - Do not measure from visible bumper front of corner, upwards (Figure 2).

CORRECT

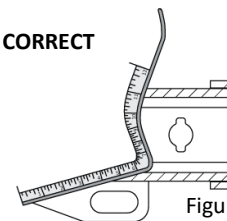


Figure 1

INCORRECT

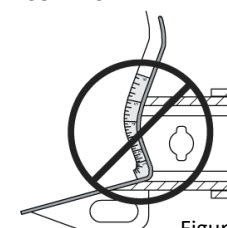


Figure 2

Drilling

- For any required drilling during installation, ensure that the area is clear of fuel, electrical & other components that may be damaged.
- All holes drilled into the body panels shall have all burrs & swarf removed then coated with a suitable rust preventative paint.

Bolts/Fasteners

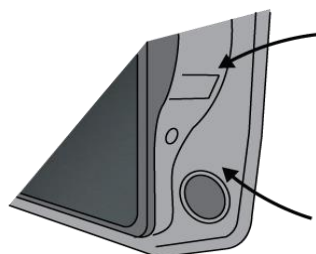
- Ensure that all hardware is fastened to correct torque as specified in this fitting instruction.
- All fasteners supplied with this product are used to achieve a specified clamp loading. If replacement is required ensure that fasteners of the same grade and class are used.



NOTE: Achieving correct torque is critical to proper installation and responsibility of the installer. Towbar failures attributed to tension issues from over tightening or under tightening are not covered by Hayman Reese warranty.

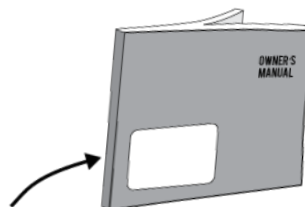
Product Labels

- a. Towbar load rating sticker provided with this product shall be conspicuously located on inside rear end of the driver's door.
- b. Powertrain Control Module (PCM)/Body Control Module (BCM) upgrade warning label will be provided in towbar kit for vehicles as required. Affix warning label in door and owner's handbook.



Place **Load Rating sticker** inside driver's door here

Place **Vehicle PCM/ BCM upgrade warning label** in door AND on front cover of owner's service handbook



WARNING:

Do not, drill, cut, weld or otherwise modify the towbar.

FOR TOWING PURPOSES ONLY - This towbar is designed and tested by Hayman Reese to adhere to ADR 62/02 which provides only for the expected load demands of towing.

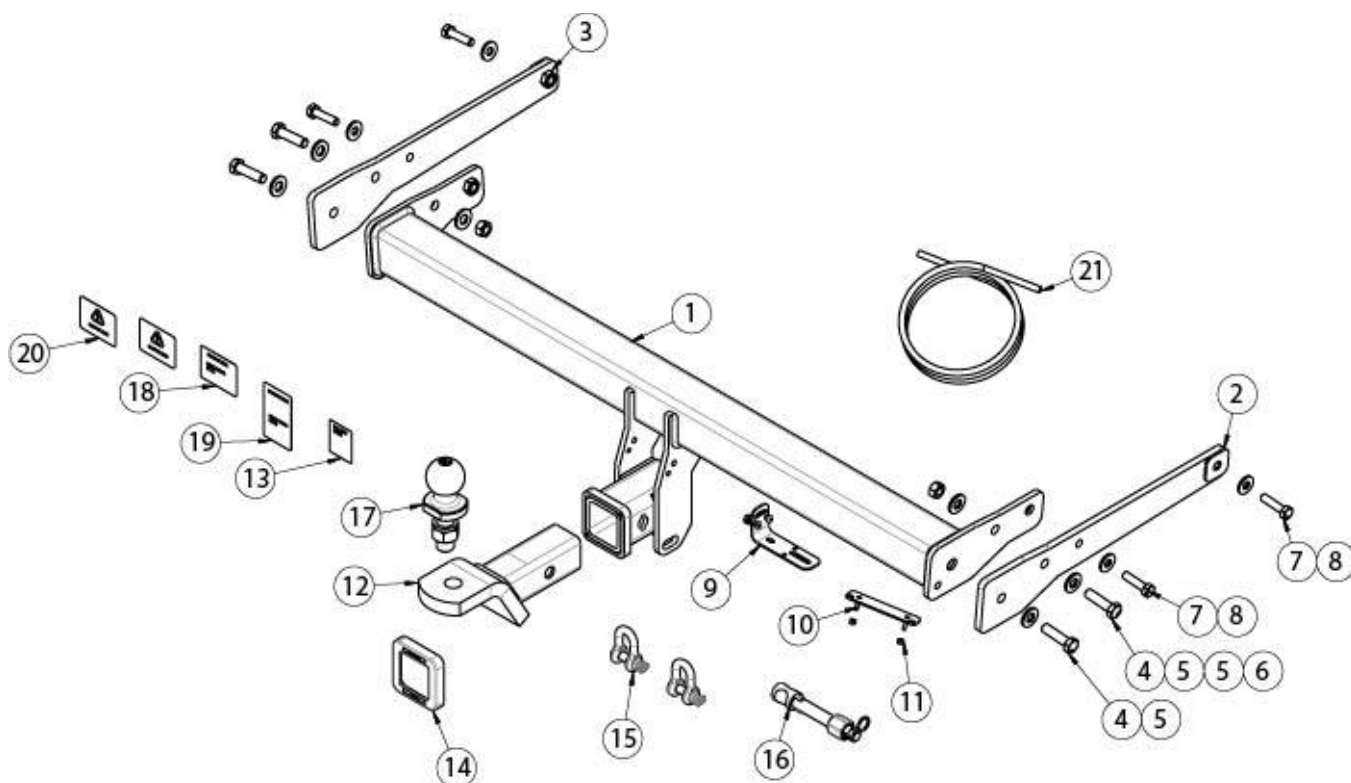


TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03437RW

SKODA KODIAQ NS CL4

i TOWBAR ASSEMBLY DIAGRAM



ITEM	DESCRIPTION	QTY
1	VW TIGUAN 5NA WELDED ASSY	1
2	SIDEARM ASSEMBLY – RHS	1
3	SIDEARM ASSEMBLY – LHS	1
4	SET SCREW HEX HD M12x45x1.25P	4
5	WASHER PLAIN 1/2"	6
6	NUT HEX HD M12x1.25P	2
7	BOLT HEX HD M10x40x1.25P	4
8	WASHER PLAIN M10x25x3	4
9	UNIVERSAL PLUG BRACKET KIT	1
10	PLUG BRACKET	1
11	NUT NYLOC HEX HD M4x0.7P	2

ITEM	DESCRIPTION	QTY
12	TRAILER BALL MOUNT	1
13	HAYMAN REESE LOGO STICKER	1
14	HITCH BOX COLLAR COVER	1
15	"D" SHACKLE 10mm	2
16	SMART PIN GOLD	1
17	TOWBALL 50mm	1
18	COMPLIANCE LABEL	1
19	LOAD RATING LABEL	1
20	CAN MODULE WARNING LABEL	2
21	WIRING LOOM	1

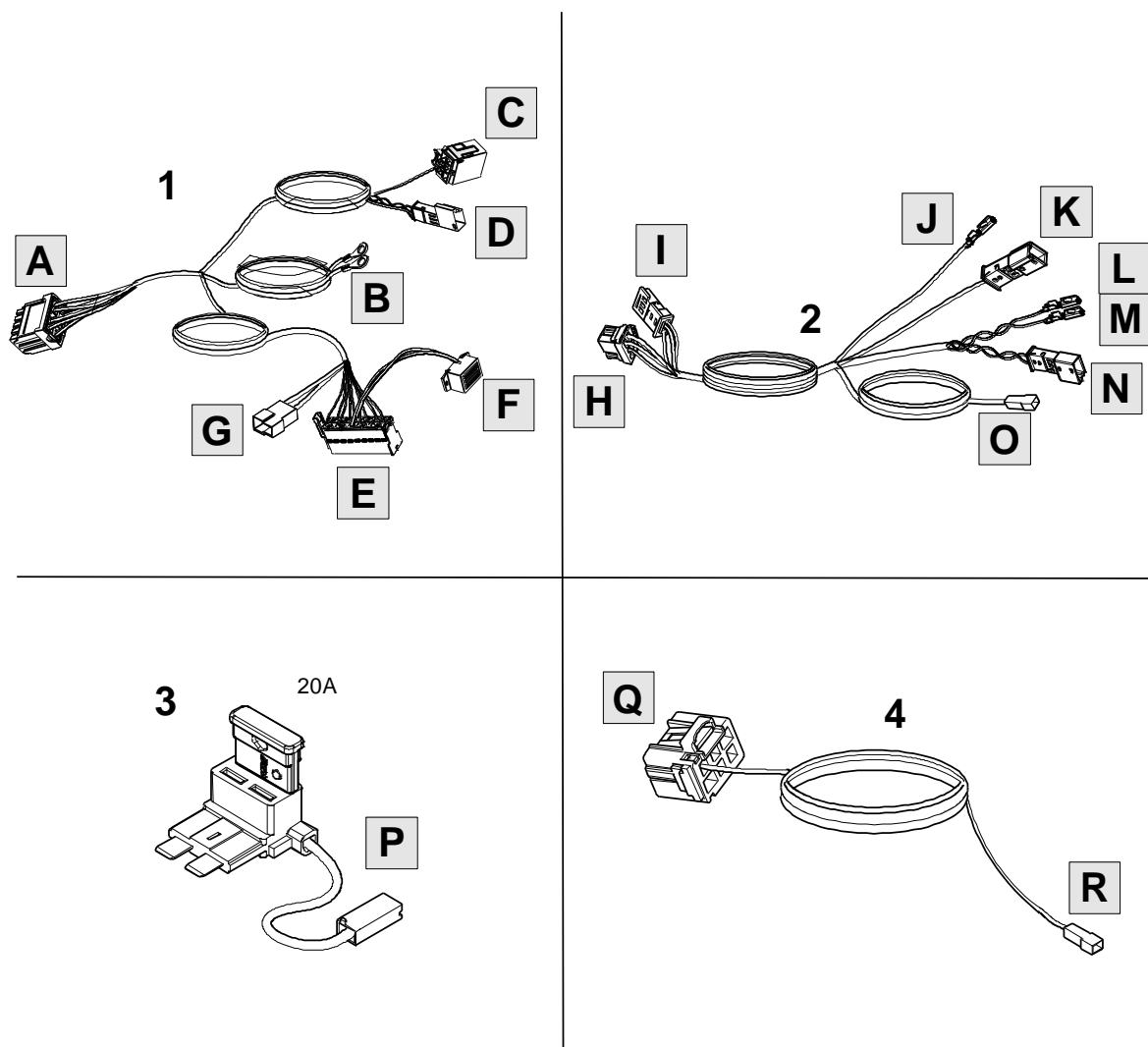


TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03437RW

SKODA KODIAQ NS CL4

i WIRING ASSEMBLY DIAGRAM



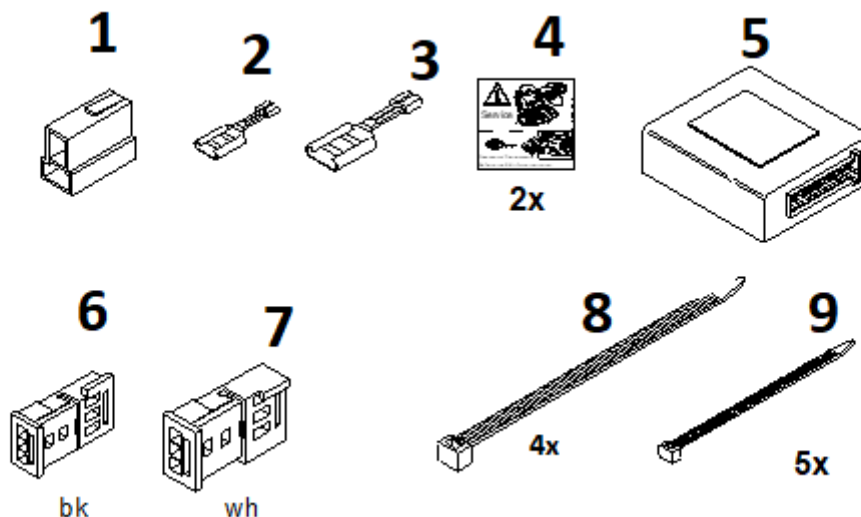
ITEM	DESCRIPTION	QTY
1	MAIN HARNESS	1
2	CAN EXTENSION HARNESS (NOT REQUIRED)	1
3	ADD-A FUSE (NOT REQUIRED)	1
4	POWER INPUT HARNESS (NOT REQUIRED)	1



TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03437RW

SKODA KODIAQ NS CL4



HARNESS ACCESSORIES		
ITEM	DESCRIPTION	QTY
1	2-WAY F. CONNECTOR 6.3MM (BRAKE PREP CONNECTOR)	1
2	F. CONTACT 6,30MM/1,00mm ² (BRAKE PREP CONNECTOR)	1
3	F. CONTACT 6,30MM/2,50mm ² (BRAKE PREP CONNECTOR)	1
4	LABEL DIAGNOSTICS CAN- MODULE	2
5	TRAILER ECU (WLE70024)	1
6	3-WAY F. CONNECTOR (BLACK)	1
7	3-WAY F. CONNECTOR (WHITE) (NOT REQUIRED)	1
8	300mm CABLE TIE	4
9	150mm CABLE TIE	5



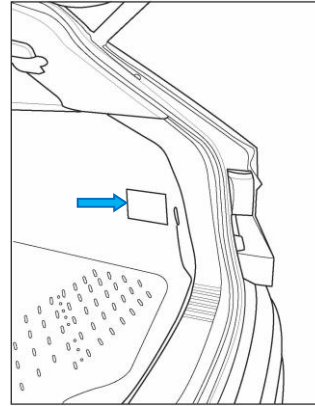
TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03437RW

SKODA KODIAQ NS CL4

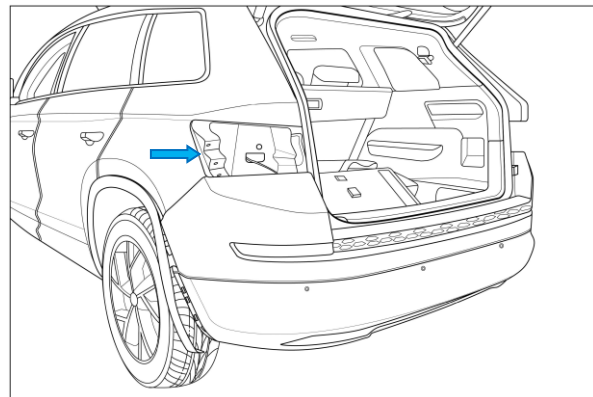
1. Remove trim cover inside boot and remove plastic screw securing tail-light assembly.

Repeat for opposite side.



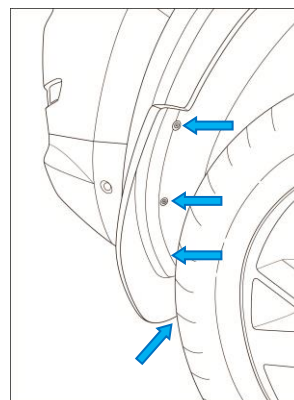
2. Remove and disconnect rear tail-light assembly.

Repeat for opposite side.



3. Remove 4 x screws from mudflap- 3 x within wheel arch and 1 x on underside on bumper. Remove mudflap and set aside.

Repeat for opposite side.





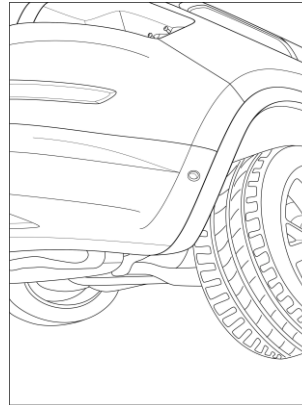
TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03437RW

SKODA KODIAQ NS CL4

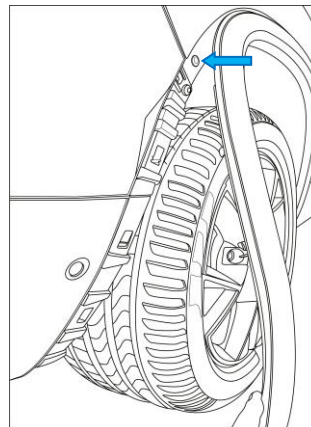
4. Remove 1 x screw from underside of bumper, rear of the wheel arch.

Repeat for opposite side.

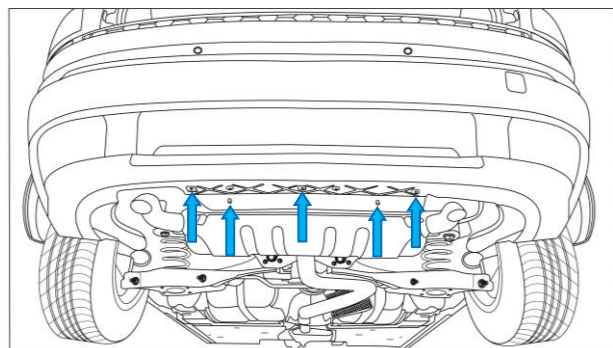


5. Partially unclip wheel arch trim. Remove 1 x screw at top of wheel arch.

Repeat for opposite side.



6. Remove 2 x nuts and 3 x scrivenets from the underside of the bumper near the centre.



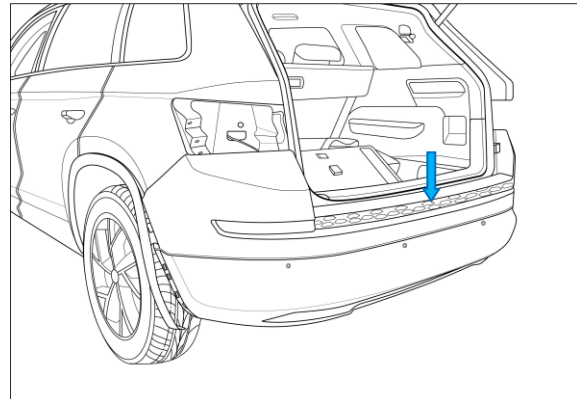


TOWBAR INSTALLATION INSTRUCTIONS

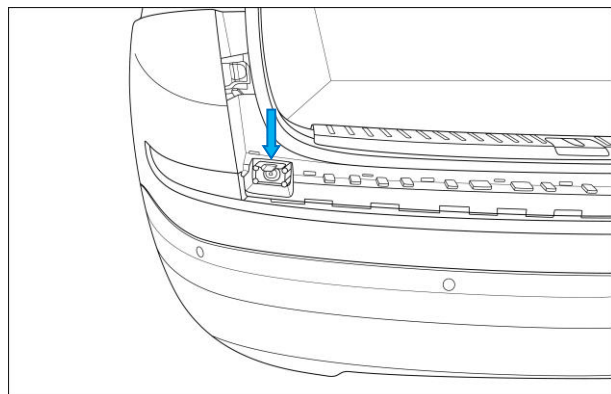
PART NUMBER 03437RW

SKODA KODIAQ NS CL4

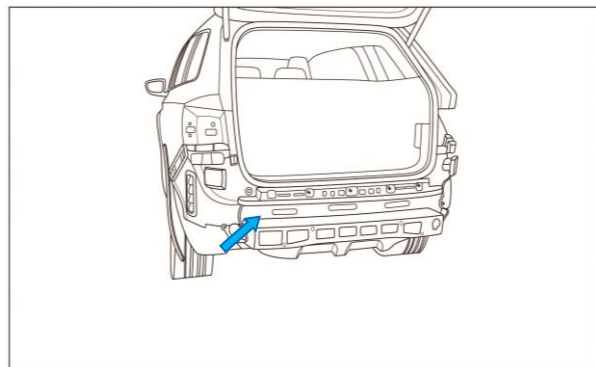
7. Carefully unclip and remove plastic trim along the top edge of the bumper. Set trim aside.



8. Using 14mm socket and remove 2 x nuts located behind trim (Only one nut shown).
9. Carefully unclip the bumper from corners and remove, ensuring to disconnect any attached wiring. Carefully set aside.



10. Remove foam impact beam and discard.





TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03437RW

SKODA KODIAQ NS CL4

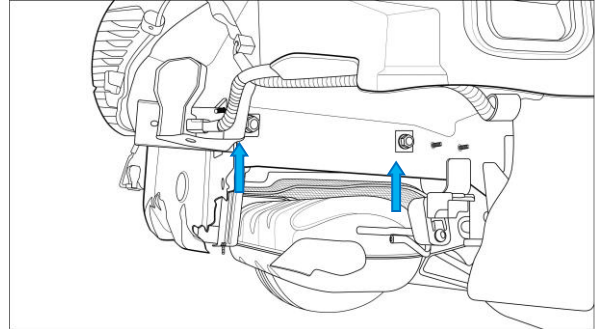
11. Remove factory tow hook by removing 2 x hex head bolts from side of chassis rail.
Discard tow hook.

Note: For Sport Line and RS Models only.

12. Lower the exhaust on both sides to gain access to heat shield fasteners and remove.

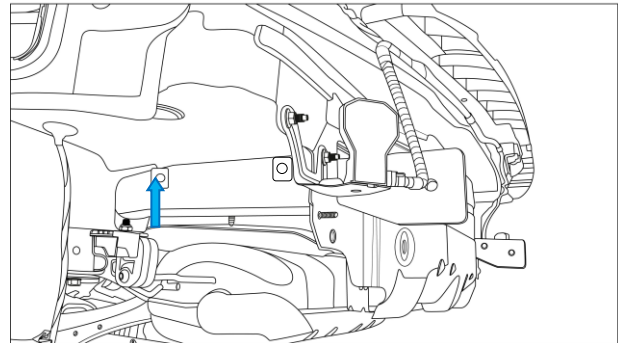
Note: RS Model only.

13. On the LHS remove the exhaust speaker.
14. On the RHS the adblue tank will need to be dropped down slightly in order to access the side arm assembly.

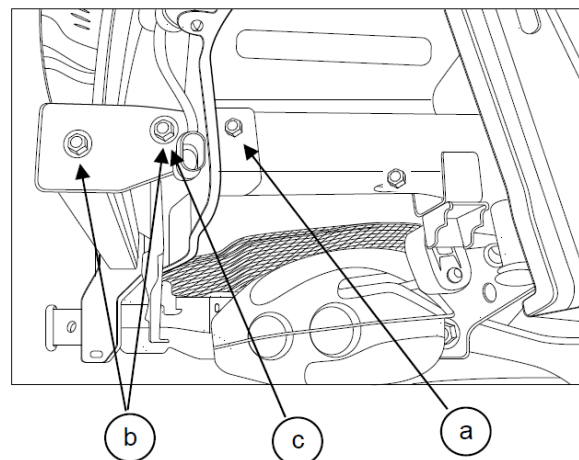


15. Insert sidearm assembly into chassis rail; loosely secure sidearm assembly to outboard side of chassis rail using 1 x M10 bolt, complete with 1 x M10 flat washer.

Repeat for opposite side.

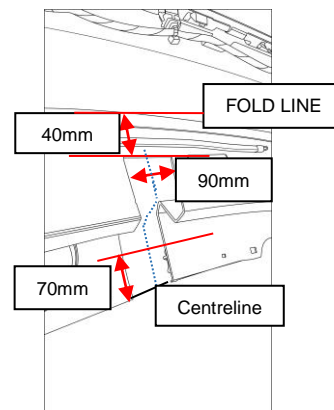


16. a) Loosely secure towbar welded assembly to sidearm assemblies and chassis rail using 1 x M10 bolt per side, complete with 1 x flat washer per bolt. **Note:** Sealant may be obstructing chassis hole. Scrape away using an appropriate tool.
b) Loosely secure towbar welded assembly to sidearm assemblies using 2 x M12 hex head screws per side, complete with 1 x flat washer per screw.
c) Secure the two forward M12 hex head screws using 1 x flat washer and 1 x M12 nut per screw.

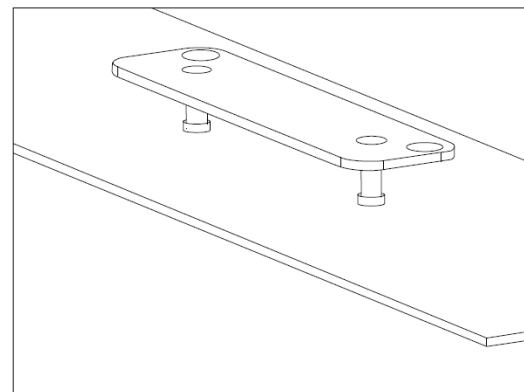


17. Tighten all fasteners to the torques listed below:
M10 Bolts: 68 N.m
M12 Screws: 125 N.m

18. On the inside of the bumper, carefully peel back the foot-swipe sensor closest to the bottom lip of the bumper. Peel back enough to expose the centre section of the bumper.
19. Identify the centre line from the inside of the bumper. Measure and mark a line approximately 40mm back from the **bumper fold line** (located near the second foot-swipe sensor). Measure and mark a line from the edge of the bumper back 70mm as illustrated. Measure and mark a 45mm line either side of the bumper centreline, starting from the initial fold line mark and following the bumper profile to the length of 140mm.
20. Carefully cut the marked region with an appropriate cutting tool, ensuring that the area is sufficiently covered with tape. Remove any burrs or rough edges after cut.
21. Stick the previously removed foot-swipe sensor (Step 18) in front of the bumper cut out.



22. Mark out and drill 2 x $\varnothing 5$ mm holes 69mm apart on bumper skin to support plug bracket.





TOWBAR INSTALLATION INSTRUCTIONS

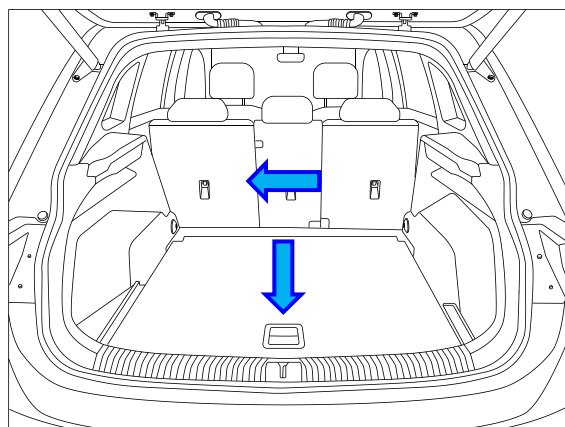
PART NUMBER 03437RW

SKODA KODIAQ NS CL4

IMPORTANT

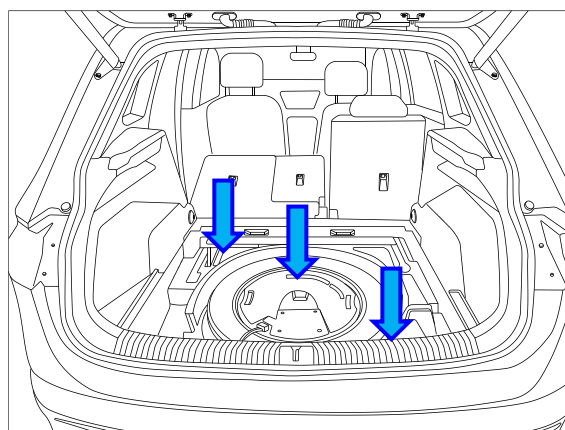
Due to possible vehicle variations, always confirm any noted vehicle colour wires with a multi-meter to ensure the correct function is identified before soldering or scotch locking. For vehicle wires denoted with two colours (example; RED/GREEN) the first colour will always be the main wire colour while the second colour is the thinner trace colour on the wire.

23. Open the tailgate and remove the keys.
24. Remove the rear sun shade and carpet floor panel.
25. Fold down the LHS middle row seat.



26. Disconnect the subwoofer connector, remove the subwoofer by unscrewing the retainer (if Applicable).
27. Remove the spare wheel (1).
28. Remove the foam tool tray (2).
29. Remove the sill trim.

Note: For 7 seater vehicle fold the third row seat forward and disconnect the LHS strut.(This will allow clearance for the LHS cargo trim to dislodge).



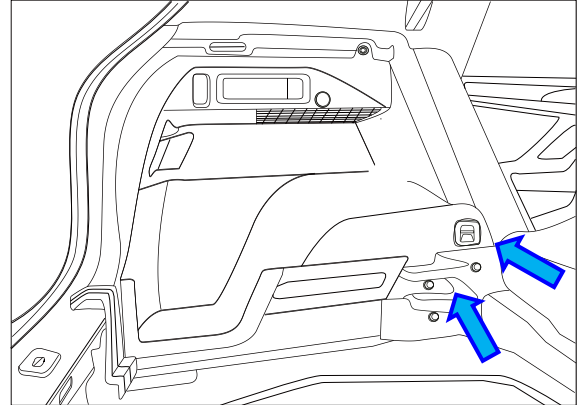


TOWBAR INSTALLATION INSTRUCTIONS

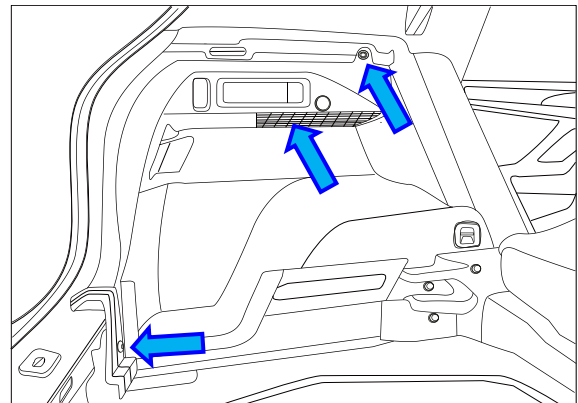
PART NUMBER 03437RW

SKODA KODIAQ NS CL4

30. On the LHS of the rear boot remove the 3x torx screws securing the lower plastic trim.
31. Remove the cargo hook.



32. Remove the rear scrivet from the LHS trim.
33. Remove the torx screw from behind the rear seat release.
34. Remove the upper torx screw from the LHS trim.



35. Remove the third row arm rest shroud to expose to 10mm plastic nuts.

Use plastic trim tools pop the trim out in the direction towards the centre of the vehicle.





TOWBAR INSTALLATION INSTRUCTIONS

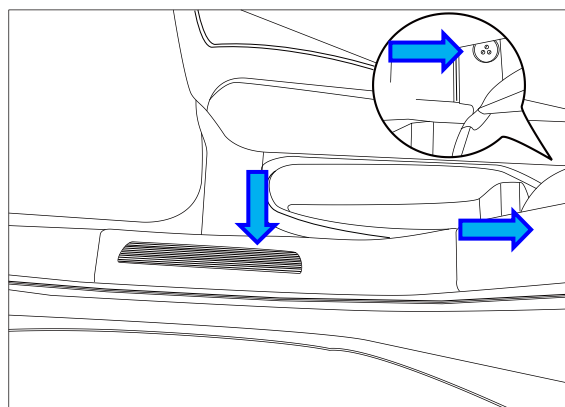
PART NUMBER 03437RW

SKODA KODIAQ NS CL4

36. Remove the 2 x 10mm plastic nuts.



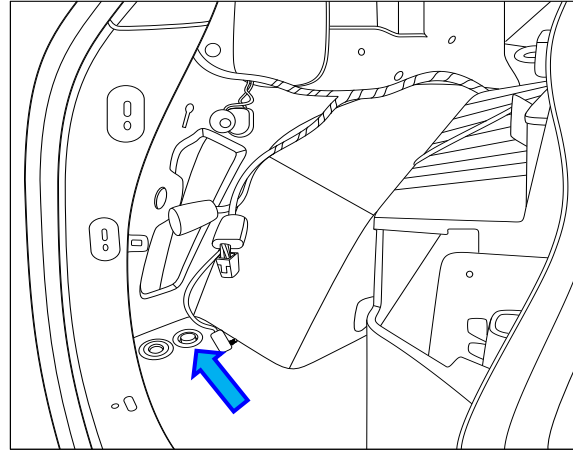
- 37. Remove the LHS rear passenger sill trim.
- 38. Remove the plastic nut that secures the lower C-pillar trim.
- 39. Remove the lower C-Pillar trim.



- 40. Dislodge the LHS cargo trim enough to gain access to 2-way connector.
- 41. Disconnect the 2-way connector.
- 42. Move the trim towards the centre of the vehicle.



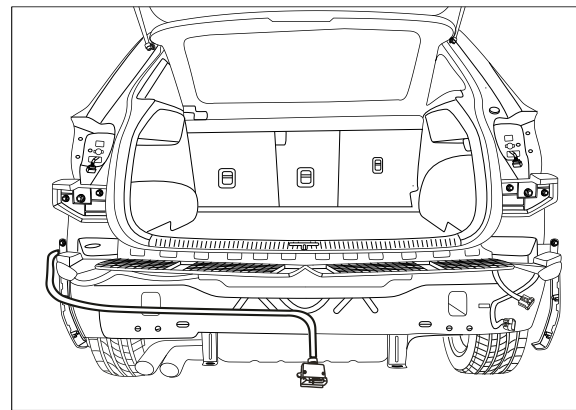
43. Locate and remove the $\varnothing 30$ mm blanking grommet.



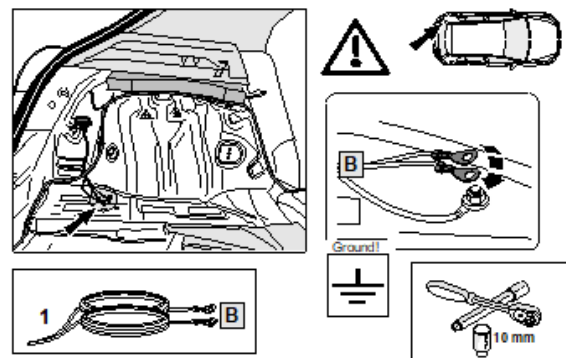
44. From outside the vehicle route and secure the tail harness (1800mm) to the towbar allowing enough length to later secure the trailer socket to plug bracket.

45. Slide the grommet to desired location, secure the grommet to the tail harness and feed through the previously exposed hole **ensure the grommet is seated properly.**

Keep harness routing clear of all sharp edges, moving parts and places of extreme heat.



46. Connect the trailer patch ring terminals (B) to the factory ground point.



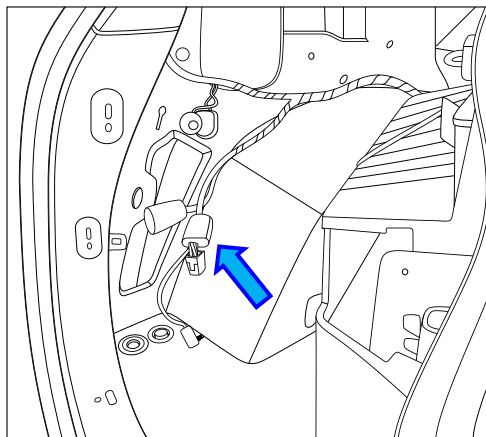


TOWBAR INSTALLATION INSTRUCTIONS

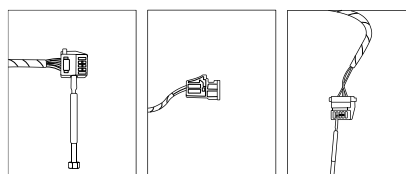
PART NUMBER 03437RW

SKODA KODIAQ NS CL4

47. From inside the LHS rear of the vehicle locate the vehicle trailer prewire 6-way and 10-way connectors. These connectors are wrapped in foam.

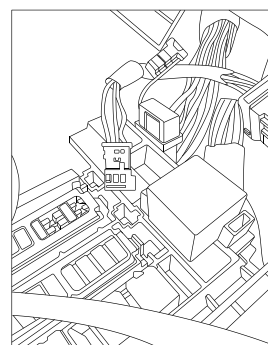


48. Locate the 10-way connector, using a jeweller's screw driver release the secondary lock.
49. Remove the following wires, place them into the 3-way black supplied female connector (6) by pressing down on the terminal tang to release.

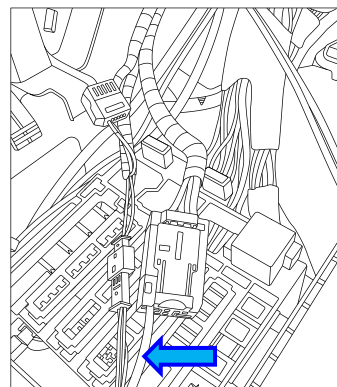


Vehicle 10 pin	C o l o u r	Harness 3 pin	Function
Pin 2	Black/Red	Pin 2	Brake
Pin 3	Orange/Green	Pin 1	Can hi
Pin 4	Orange/Brown	Pin 3	Can low

Note: Ensure the terminals do not make contact.



51. Plug the trailer patch 6-way power connector (C) into the vehicle mating connector.
52. Plug the trailer patch 3-way black connector (D) into the 3-way mating connector.



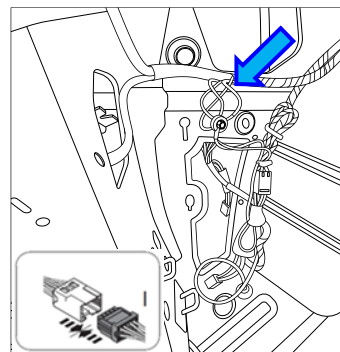


TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03437RW

SKODA KODIAQ NS CL4

-
53. Connect the trailer module (5) to the trailer patch 18-way connector (E).
 54. Peel the backing tape from the trailer module (5), place module to vehicle inner Sheetmetal.
Apply pressure ensuring good adhesion.
 55. Plug the trailer patch blue connector (A) to mating 1800mm tail connector.



-
56. Secure all harnesses using cable ties.
 57. Refit the all removed parts from 1-14 in reverse.
Note: Ensure that all connections are reconnected.
 58. Prior to coding test the functionality of lights using a test board if functionality passes proceed to coding of the vehicle.
 59. Pay attention to the Coding instruction page.
(Appendix)
 60. Once the vehicle is coded test the trailer functionality with a test board.
 61. Refit all removed interior parts steps 24 -41 in reverse.
 62. Place fitting instructions in the glovebox when
-



CUSTOMER INFORMATION

PLACE THESE INSTRUCTIONS IN THE
VEHICLE'S GLOVEBOX AFTER INSTALLATION

**THANK YOU FOR PURCHASING HAYMAN REESE.
WITH CORRECT MAINTENANCE AND CARE THIS PRODUCT WILL PROVIDE A
LIFETIME OF TROUBLE-FREE OPERATION.**

i TOWBAR MAINTENANCE AND CARE:

1. Hayman Reese recommend that the towbar LUG or TBM (tow ball Mount) Pull Pin and R-clip are removed and stored when not in use. Removal of LUG or TBM (tow ball mount) is advisable when not in use to assist with any of the following.
 - Ensure rear number plate is not obscured.
 - Allow maximum available departure angle and prevent any potential interference.
 - Prevent possible interference with vehicles reverse sensors or camera detecting a tow ball mount as an obstruction during reversing.
 - Removes towball mount as an obstruction for when moving around the rear of the vehicle.
2. Hayman Reese recommends routine inspection of your towbar to ensure trouble free towing.
 - Bolt security and tension should be regularly inspected and checked for correct tension. Replace any worn or defective parts with suitable grade & class fasteners. Inspection should be requested to coincide with vehicle major services.
3. It is the owner's responsibility to ensure towing and down ball weight capacities of the towing vehicle are not exceeded.
 - Towing and down ball weights allowable may differ according to model variations. Please refer to owner's manual or vehicle dealer to confirm exact rating for your vehicle model variant.
 - It is not uncommon for the vehicle tow rating to differ from the towbar rating. When this occurs, the lesser rating must be adhered to.
 - For vehicles fitted with enhanced vehicle functions that may be altered/changed when towing i.e Trailer sway mitigation, blind spot detection, adaptive cruise control etc. Please consult owner's manual to understand changes enabled when towing and after towing.

i WARRANTY INFORMATION:

Hayman Reese Towbars are covered by a Lifetime Warranty.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

For further details please visit www.haymanreese.com.au/warranty or contact customer service on 1800 812 017 or info@haymanreese.com.au.



CUSTOMER INFORMATION

PLACE THESE INSTRUCTIONS IN THE VEHICLE'S GLOVEBOX AFTER INSTALLATION

HAYMAN REESE SMART PIN

Your Hayman Reese towbar is equipped with Smart Pin technology to help reduce towbar tongue rattle in most driving conditions. Please ensure below instructions are understood and routine maintenance is carried out to ensure best towing experience.

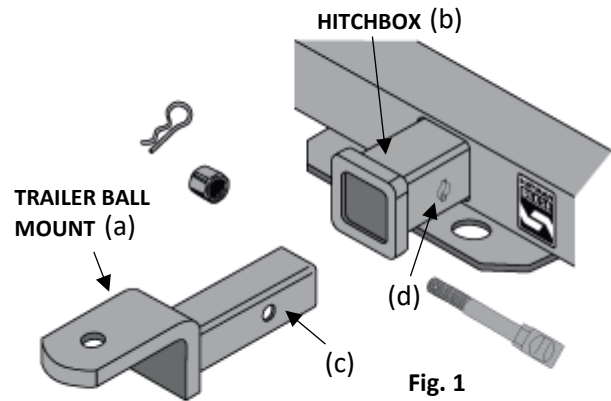
i Regularly inspect for wear and check the tightness of the Smart Pin Nut. Follow instructions below to re-tighten the nut as necessary when movement and noise in the tow ball mount is noted.

- Before towing, ensure R-Clip is properly installed and Smart pin nut is installed and tensioned. Replacement parts are available from your Hayman Reese Distributor.

TOWBALL MOUNT REMOVAL/INSTALLATION

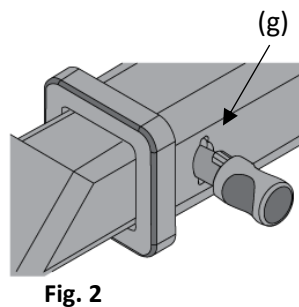
STEP 1

Insert Trailer Ball Mount (TBM) (a) into towbar hitchbox (b), aligning hole in TBM shank (c) with hole in hitchbox (d) (Fig. 1)



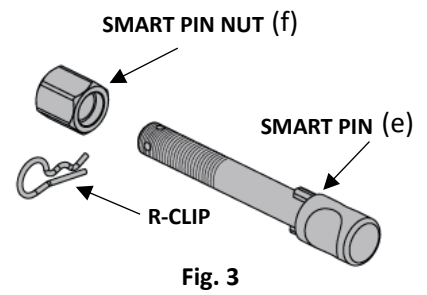
STEP 2

Insert Smart Pin (e) through hole in hitchbox and hole in TBM shank (g); ensure the locators are inserted into the notches in the hitchbox (Fig. 2)



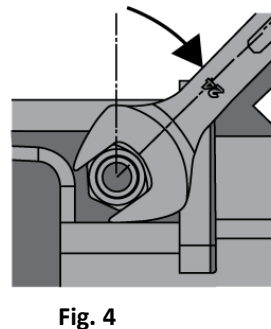
STEP 3

Screw Smart Pin Nut (f) onto Smart Pin (g); tighten Smart Pin Nut until finger tight, ensuring TBM is restrained from up and down movement.



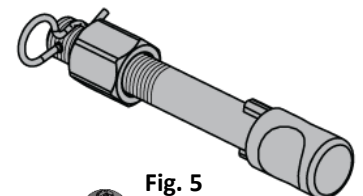
STEP 4

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



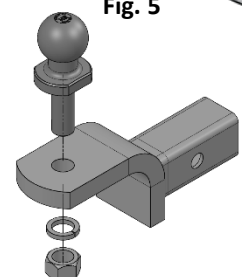
STEP 5

Install Smart Pin R-Clip through the hole that provides best clearance or easiest access. (Fig. 5)



STEP 6

Install towball onto TBM and tighten to **350 Nm** using a calibrated torque wrench (Fig. 6).



Appendix



WARNING: This vehicle requires a system setting to ensure the trailer wiring and control module are correctly recognised. This process (referred to as 'coding') must be carried out to enable correct vehicle functionality when trailer is connected. Towing features enabled by correct control module and coding support OE functionality as set by OE manufacturer. Please read the vehicles owner's manual for proper operation and understanding.

Coding can be carried out using the Hayman Reese SmartCODE (HRSC) using the following steps. Note, if HRSC is unavailable, vehicle coding can be carried out by OE manufacturer as needed.

Before you start:

- **Ensure the HRSC software is up to date using the HAYMAN REESE SMARTCODE PC APP.**
 - **Ensure the vehicle battery is fully charged**
 - **Use of a battery support unit (BSU) is advised during the coding process.**
 - **Ensure towbar, wiring loom and ECU are correctly installed as per Hayman Reese fitting instructions.**
1. Locate the OBD2 port under the drivers footwell on the right-hand side and plug in the HRSC.
 2. Close all doors and turn the ignition on
 3. Follow the directions on the screen of the HRSC
 4. Once the vehicle has been coded successfully proceed to the "clear codes" tab
 5. Remove disconnect HRSC from OBD2 port.
 6. Check the dash to make sure there are no warning faults.
 7. Check the operation of trailer lights and ensure the Reverse Park Assist (RPA) is disabled and 'trailer on' icon is active where available.

For technical support and further information on Hayman Reese SmartCODE tool and coding process contact your nearest Hayman Reese stockist.

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