



SUBARU

INSTALLATION INSTRUCTIONS

PART NUMBER: L101SSL000

DESCRIPTION: FORESTER
TRAILER HITCH

PLEASE READ THESE INSTRUCTIONS CAREFULLY, BEFORE YOU START INSTALLATION

SAFETY PRECAUTION: When installing Trailer Hitch, the use of safety glasses is recommended.

WARNING:

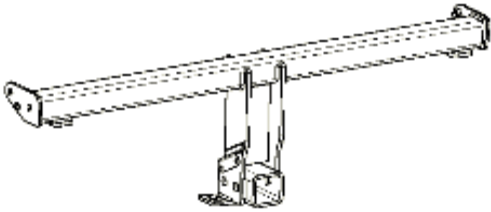
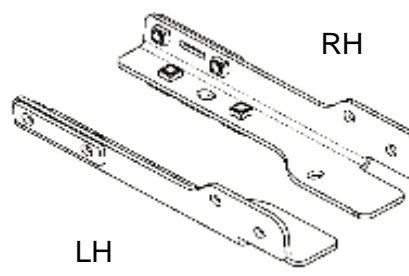
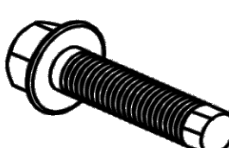
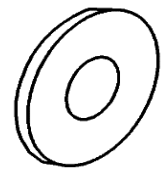
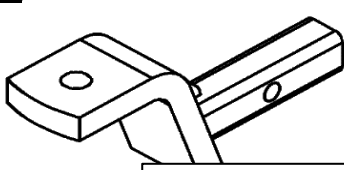

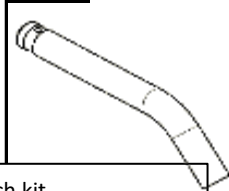
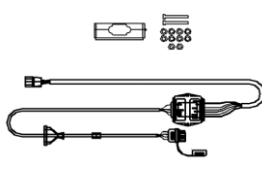
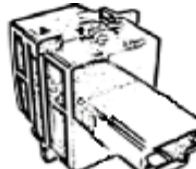
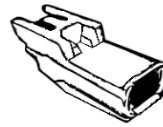


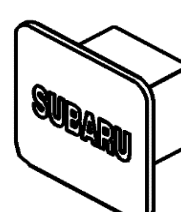

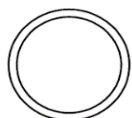
1. Always install the accessory following the instructions. Failure to do so may cause damage to the vehicle or the accessory.
2. Please also refer to SUBARU SERVICE MANUAL upon removing and re-assembling vehicle components.
3. Do not drill, cut, weld or otherwise modify the Trailer Hitch.
4. Do not lubricate the bolts and nuts with oil or grease.
5. If Trailer Hitch is removed, a bumper beam **MUST** be reinstalled. Failure to reinstall a bumper beam after removal of the trailer hitch will negatively affect vehicle rear crash performance. Please contact your SUBARU dealer.
6. When a Trailer Hitch is installed, it is not possible to install the rear towing hook.
7. Never exceed the maximum towing capacity and maximum tongue load. It could cause personal injury and/or vehicle damage.
8. When towing, total vehicle weight must not exceed the Gross Vehicle Weight Rating (GVWR). Also the load distribution on each axle must not exceed the Gross Axle Weight Rating (GAWR). The GVWR and GAWR for your vehicle can be found on the "Certification label" which is located on the left side center pillar of the vehicle.
9. For models equipped with RAB, refer to the part which indicated [RAB].
10. Ensure all recyclable discarded vehicle accessory components and packaging are recycled following local recycling regulations.
11. It is always recommended that this accessory is fitted by a qualified SUBARU technician.
12. In the engine bay, disconnect the negative battery terminal.
13. Safely store and protect any removed vehicle components.
14. Ensure all bare metal surfaces are protected using Automotive Bare Metal Primer and touch-up paint.
15. Remove all metal swarf and dust from all vehicle surfaces if surface is used for accessory installation.
16. Tow hitch to be used with Subaru ball mount L101SSL200. Ball mount is sold separately.
17. Vehicle is equipped with kick sensor for lift gate, kick sensor functionality will be lost with hitch installation.

NOT FOR USE ON WILDERNESS VEHICLES






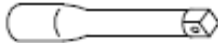

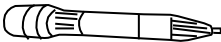
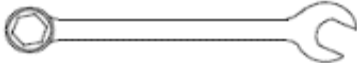
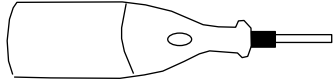
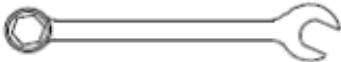

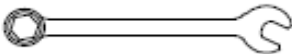
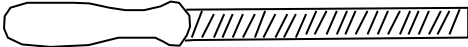

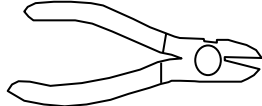


WARNING: Warranty is granted only when installation is done correctly by your SUBARU dealer. SUBARU reserves the right to change the design of accessories and/or construction, illustration, and text of this manual at anytime without prior notice.

Please put installation instruction in glove box once installation is complete.

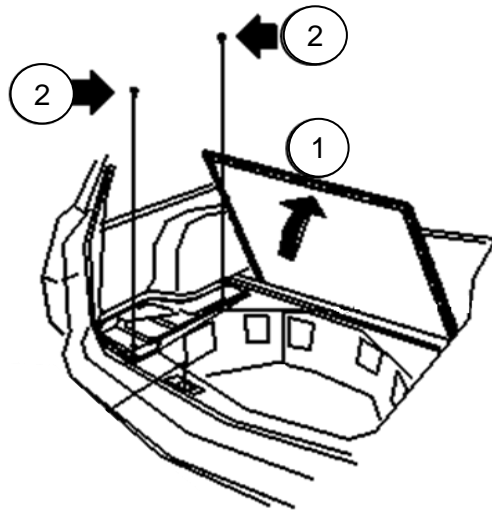
KIT CONTENTS:

<p>A</p>  <p>x1</p>	<p>B</p>  <p>RH LH</p> <p>x1 set</p>	<p>C</p>  <p>M12 hex flange bolt</p> <p>x14</p>	
<p>D</p>  <p>M12 flat washer</p> <p>x8</p>	<p>E</p> 	<p>F</p> 	<p>G</p> 
<p>Items E, F, G are not included with hitch kit. Ball mount kit is sold separately as #L101SSL200</p>			
<p>H</p>  <p>wiring harness purchased separately</p> <p>x1</p>	<p>I</p>  <p>Blind Cover</p> <p>x1</p>	<p>J</p>  <p>wire harness connector plug</p> <p>x1</p>	
<p>K</p>  <p>wire harness pin plug</p> <p>x6</p>	<p>L</p>  <p>rubber trim</p> <p>x1</p>	<p>M</p>  <p>x1</p>	<p>N</p>  <p>exhaust nut</p> <p>x2</p>
<p>O</p>  <p>exhaust gasket</p> <p>x1</p>			

TOOLS REQUIRED:

<p>1/2" drive torque wrench</p> 	<p>10 mm socket</p> 
<p>1/2" drive ratchet</p> 	<p>7mm socket</p> 
<p>Flat head screwdriver</p> 	<p>6" socket extension</p> 
<p>Phillips head screwdriver</p> 	<p>touch up paint</p> 
<p>18mm open end wrench</p> 	<p>cutting tool</p> 
<p>14mm open end wrench</p> 	<p>reamer</p> 
<p>7mm open end wrench</p> 	<p>file</p> 
<p>16mm deep well socket</p> 	<p>side cutter</p> 
<p>14mm deep well socket</p> 	<p>clip remover</p> 

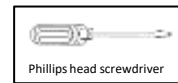
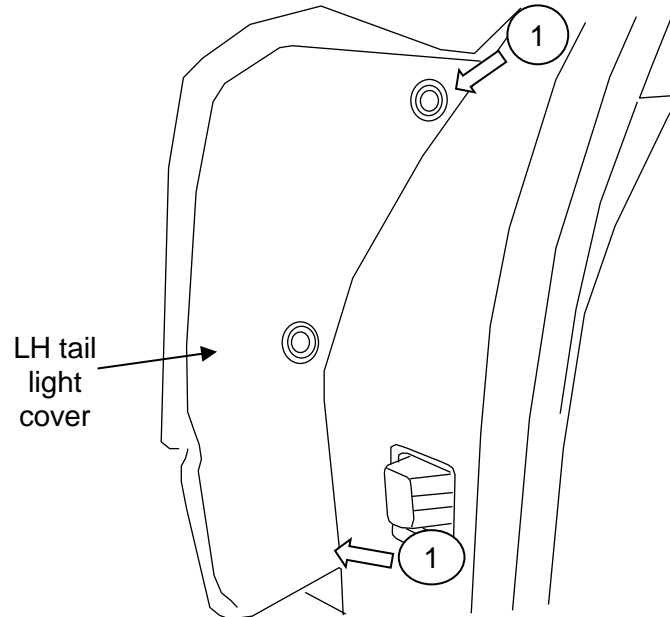
1 ACCESS TRUNK WELL AND REMOVE SPARE TIRE



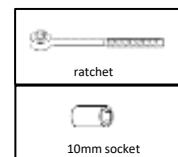
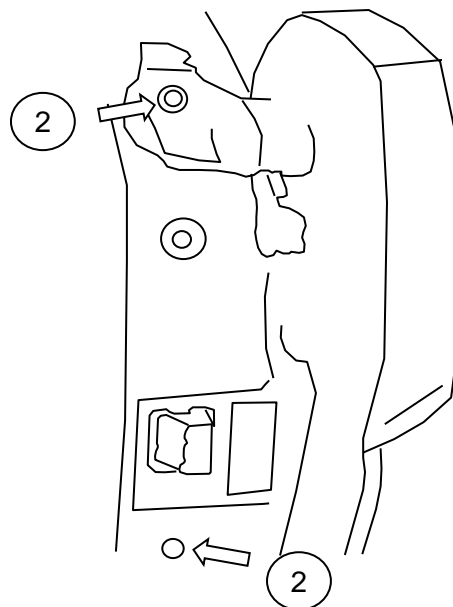
- ① Raise and remove the carpeted spare tire compartment cover.
- ② Remove (4) push pin fasteners from side foam trays.
- ③ See Appendix A for Wire Harness Installation (L101SSJ005)

2 REMOVE REAR TAIL LIGHT COVERS

- 1 Using a small Phillips head screwdriver, remove (2) screws from the rear tail light cover assembly on each side

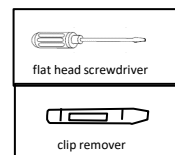
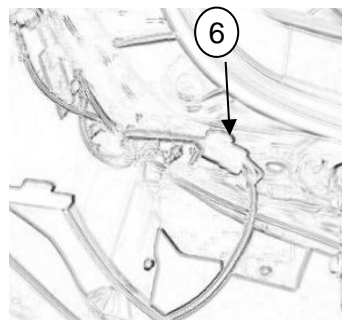
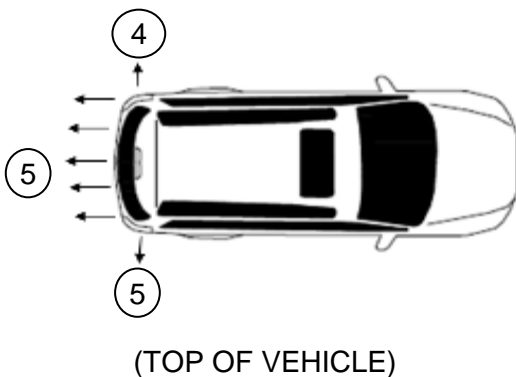
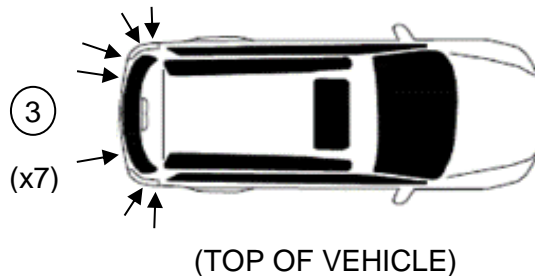
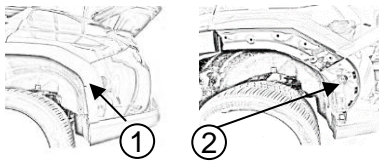


- 2 Using a ratchet with 10mm socket, remove the LH and RH tail light housing by removing 2 bolts on each side. Disconnect the connector when removing the housing.



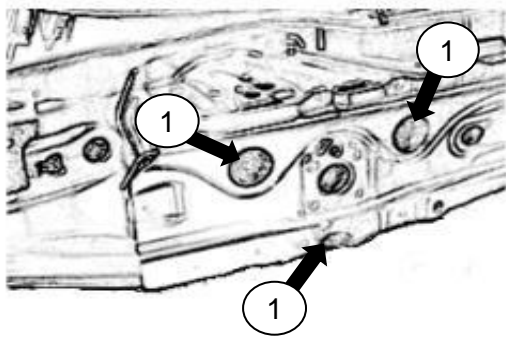
3 REMOVE REAR BUMPER FASCIA

- ① With a screwdriver, release (1) small push pin fastener per side on the LH/RH Wheel Arch Moulding. Use the tip of the screwdriver to push the center of the pin.
- ② Remove Bolt Under Wheel Arch Moulding
- ③ With a small flat head screwdriver, remove (7) large push pin fasteners across the length of the bumper. Save push pins for later use.
- ④ Starting at the LH side wheel well, using both hands, pull one side of the fascia out from the vehicle.
- ⑤ Continue around the rear LH side. At the rear corner, begin to pull rearward and work across the vehicle from left to right to remove the entire bumper.
- ⑥ Disconnect the RAB sensor harness.
- ⑦ Fully release the bumper from the vehicle body.
- ⑧ Lay fascia aside where it will not be damaged during hitch installation.

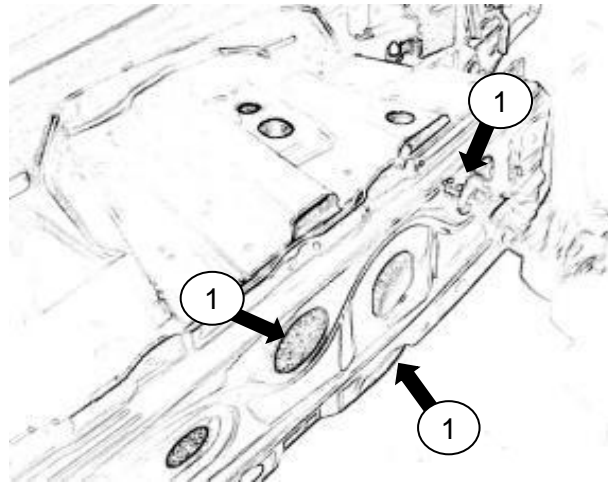


4 REMOVE REAR BUMPER BEAM

- ① Using 14 mm deep socket and extension, remove (2) bolts and (1) nut from each side of the bumper beam
- ② Remove the bumper beam and apply touch-up paint in the areas shown.
- ③ Reinstall the bumper bolts and nuts torqued to 52 FTLBS

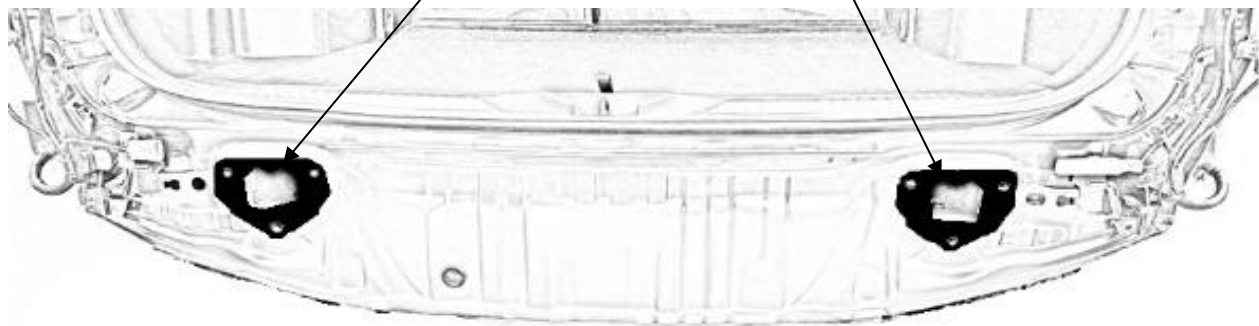
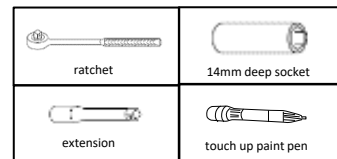


LH SIDE



RH SIDE

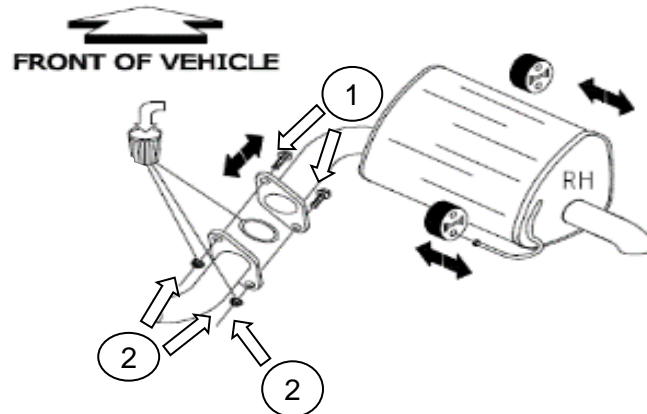
apply touch up paint in these areas



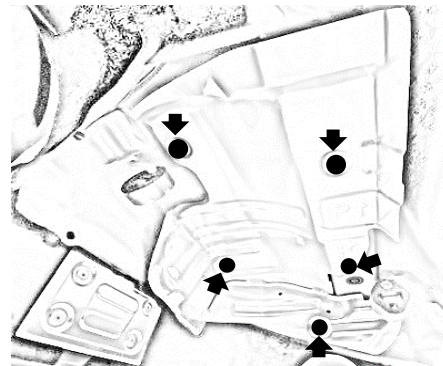
If Trailer Hitch is removed, a bumper beam MUST be reinstalled. Failure to reinstall a bumper beam after removal of the trailer hitch will negatively affect vehicle rear crash performance. Please contact your SUBARU dealer.

5 REMOVE MUFFLER AND HEAT SHIELD AND PREPARE FRAME

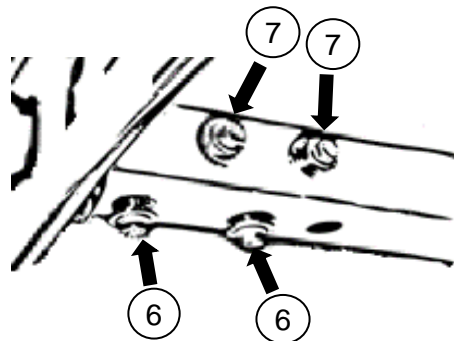
- ① Unbolt the muffler from the exhaust pipe by disconnecting 2 bolts at the flange.
- ② Discard the exhaust gasket and (2) lock nuts
- ③ Remove the muffler by first disengaging the rearmost exhaust hanger, then disengaging the forwardmost exhaust hanger.
- ④ Put the muffler aside for later reinstallation.



- ⑤ Remove (5) heat shield bolts and then remove the heat shield. Retain bolts and heat shield for reinstallation.

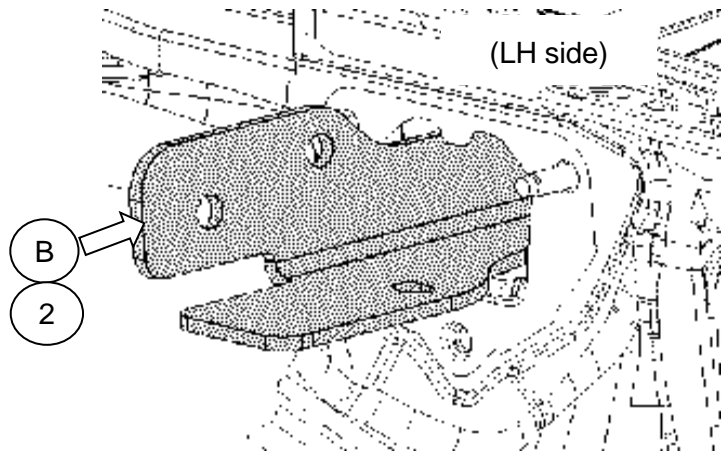
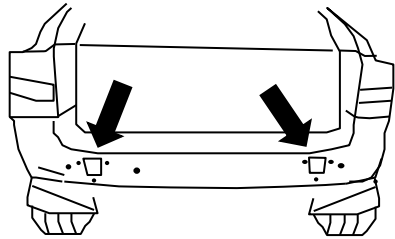


- ⑥ Remove (2) rubber grommets per side from the bottom of the side frame.
- ⑦ Remove (2) rubber grommet per side from the inside of the frame rail.

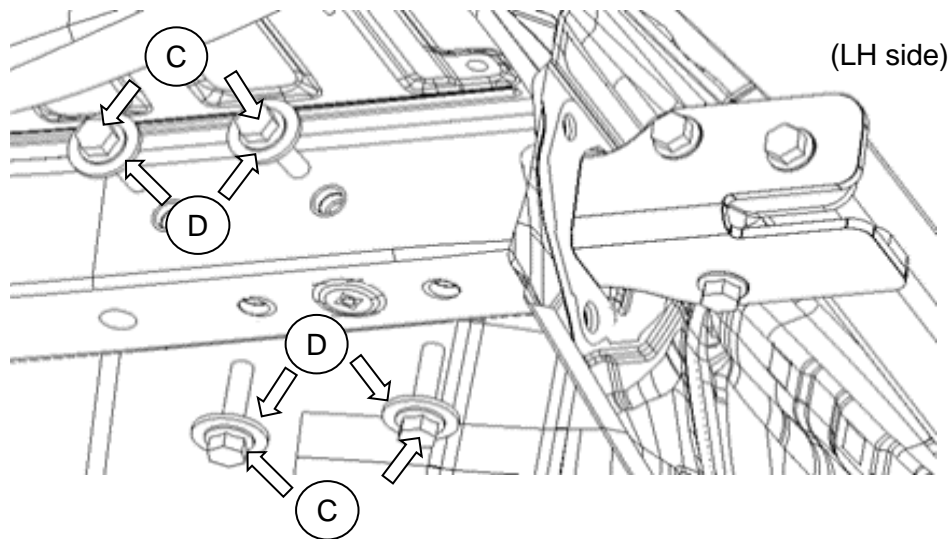


6 INSTALL LH / RH FRAME BRACKET ASSEMBLIES - PART "B"

- 2 Place LH and RH welded bracket subassembly "B" into side frame hole opening.

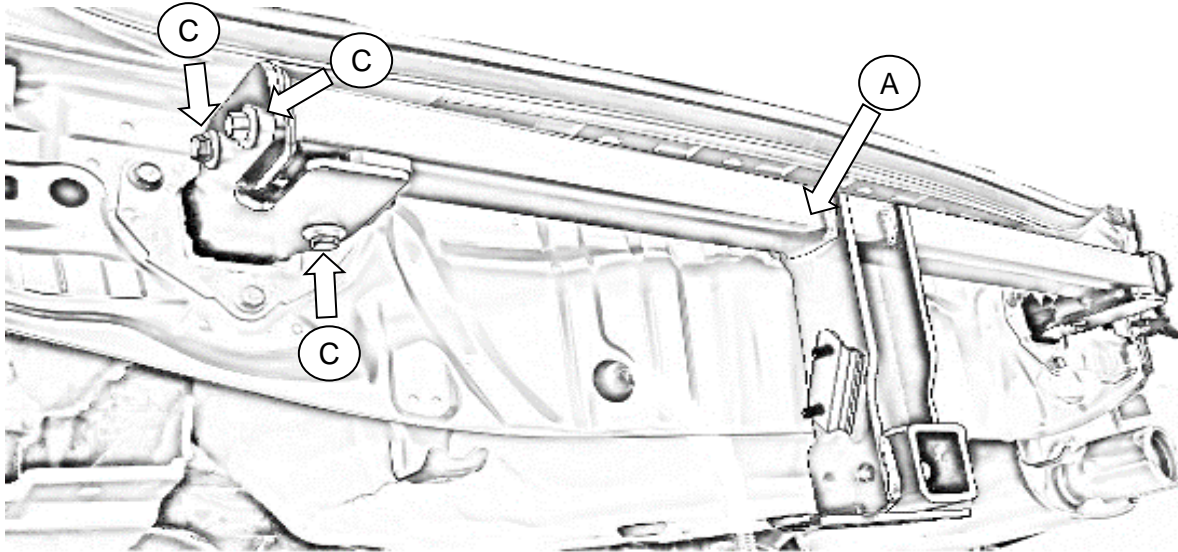


- 3 Align the bracket holes with the holes in the frame rail.
- 4 Loosely install and hand tighten (2) M12 bolt "C" and washer "D" through the bottom of the frame into the (2) frame holes and (2) into the side frame hole. Repeat on the other side of the vehicle.



7 INSTALL CROSSTUBE MEMBER - PART "A"

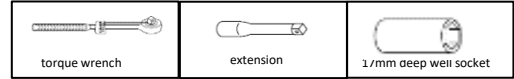
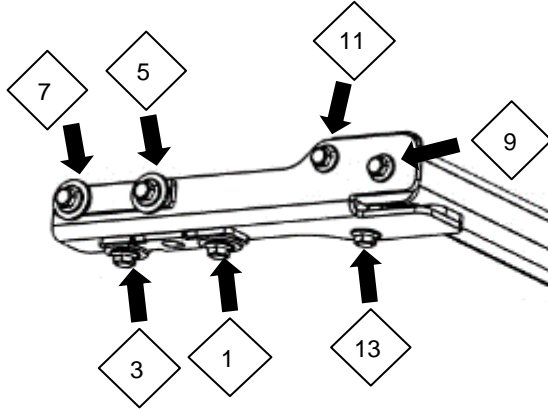
- 1 Install the crosstube "A" between the LH and RH frame bracket subassemblies.
- 2 Loosely install (3) M12 bolt "C" on each side of the hitch tube into the bracket weld nuts



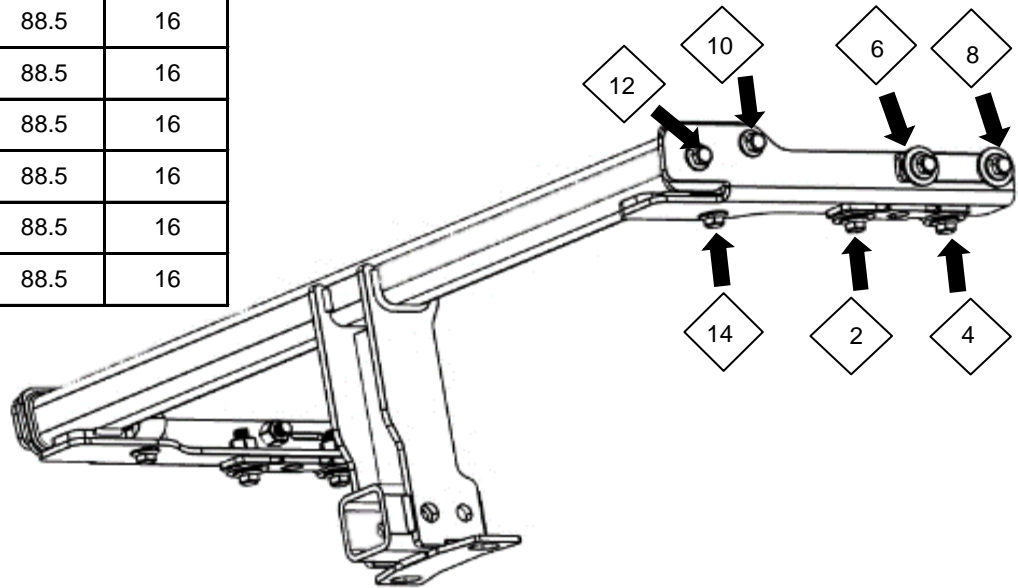
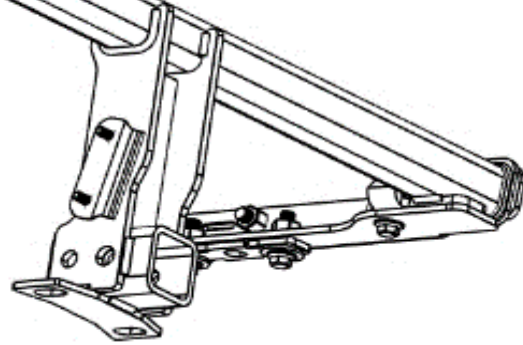
8 TORQUE FASTENERS



1 Torque all fasteners in the order and to the torque values as shown in the table



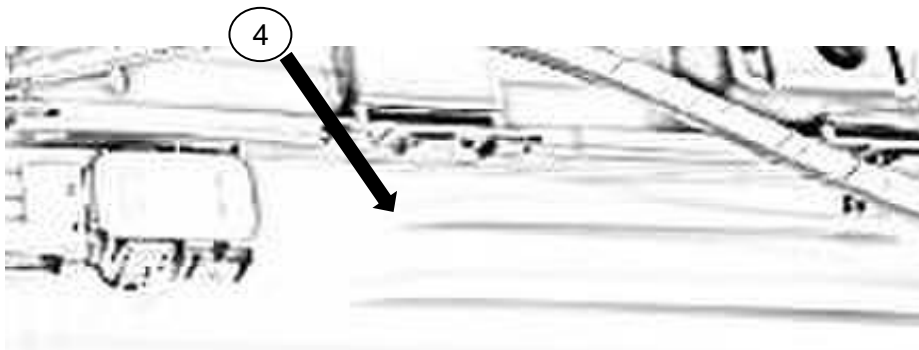
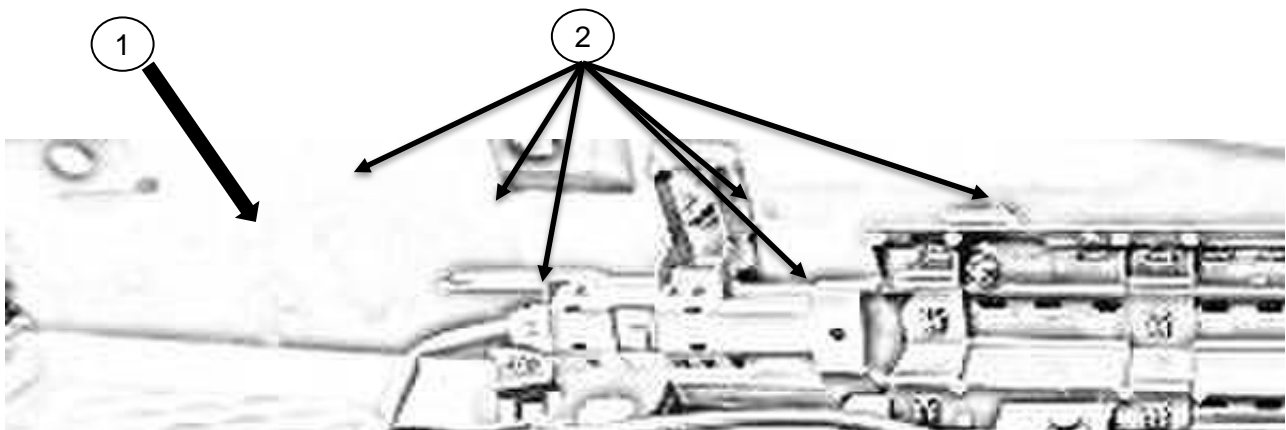
ORDER	TORQUE (Nm)	TORQUE (ft-lb)	socket size (mm)
1	120	88.5	16
2	120	88.5	16
3	120	88.5	16
4	120	88.5	16
5	120	88.5	16
6	120	88.5	16
7	120	88.5	16
8	120	88.5	16
9	120	88.5	16
10	120	88.5	16
11	120	88.5	16
12	120	88.5	16
13	120	88.5	16
14	120	88.5	16



9 See Appendix A for Installation of Trailer Hitch Wire Harness

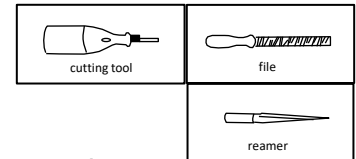
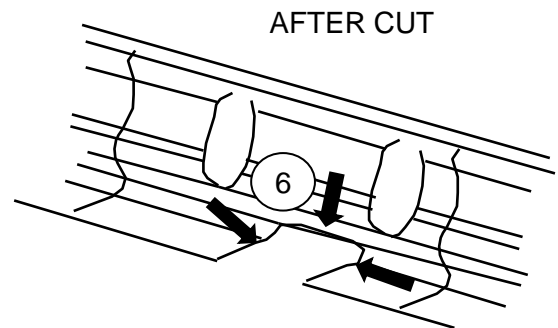
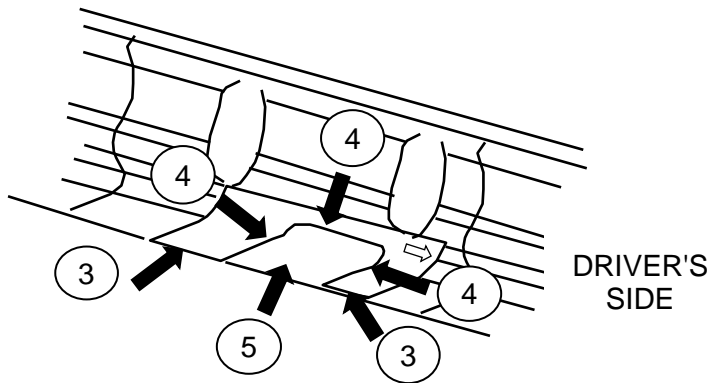
10 Remove Kick Sensor from Bumper

- ① Disconnect Kick Sensor.
- ② Remove Kick Sensor from Fascia by removing 6 push-pins.
- ③ Insert Dummy Plug (J) into Kick Sensor Wire Harness
- ④ Zip Tie wire harness per image below.



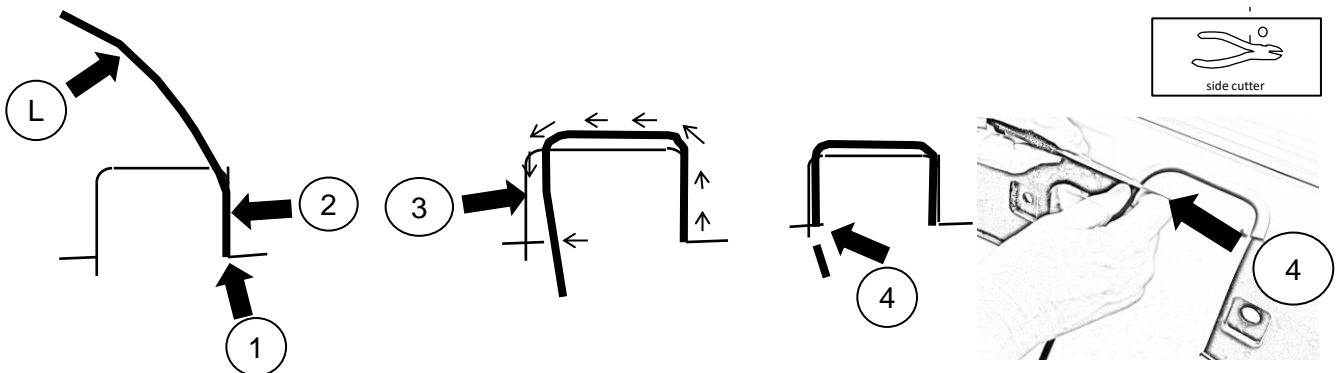
11 MODIFYING REAR BUMPER FASCIA

- ① Move the fascia to a flat area in order to cut the "U" shape for the trailer hitch.
- ② Choose the correct paper template from the following pages for vehicle trim and prepare as shown on that page.
- ③ Align the edges in the template to the features on the inside of the bumper fascia.
- ④ With the template in place, mark the opening shape.
- ⑤ Move the fascia to a flat area in order to cut the opening shape for the trailer hitch.
- ⑥ Remove all burrs and rough edges after the cut is made.

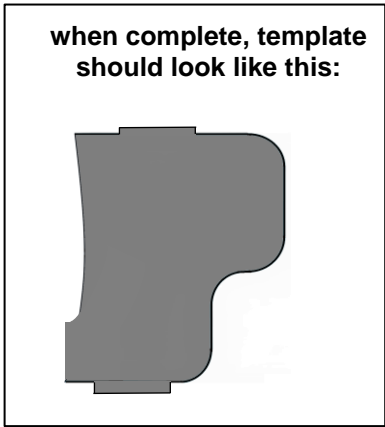
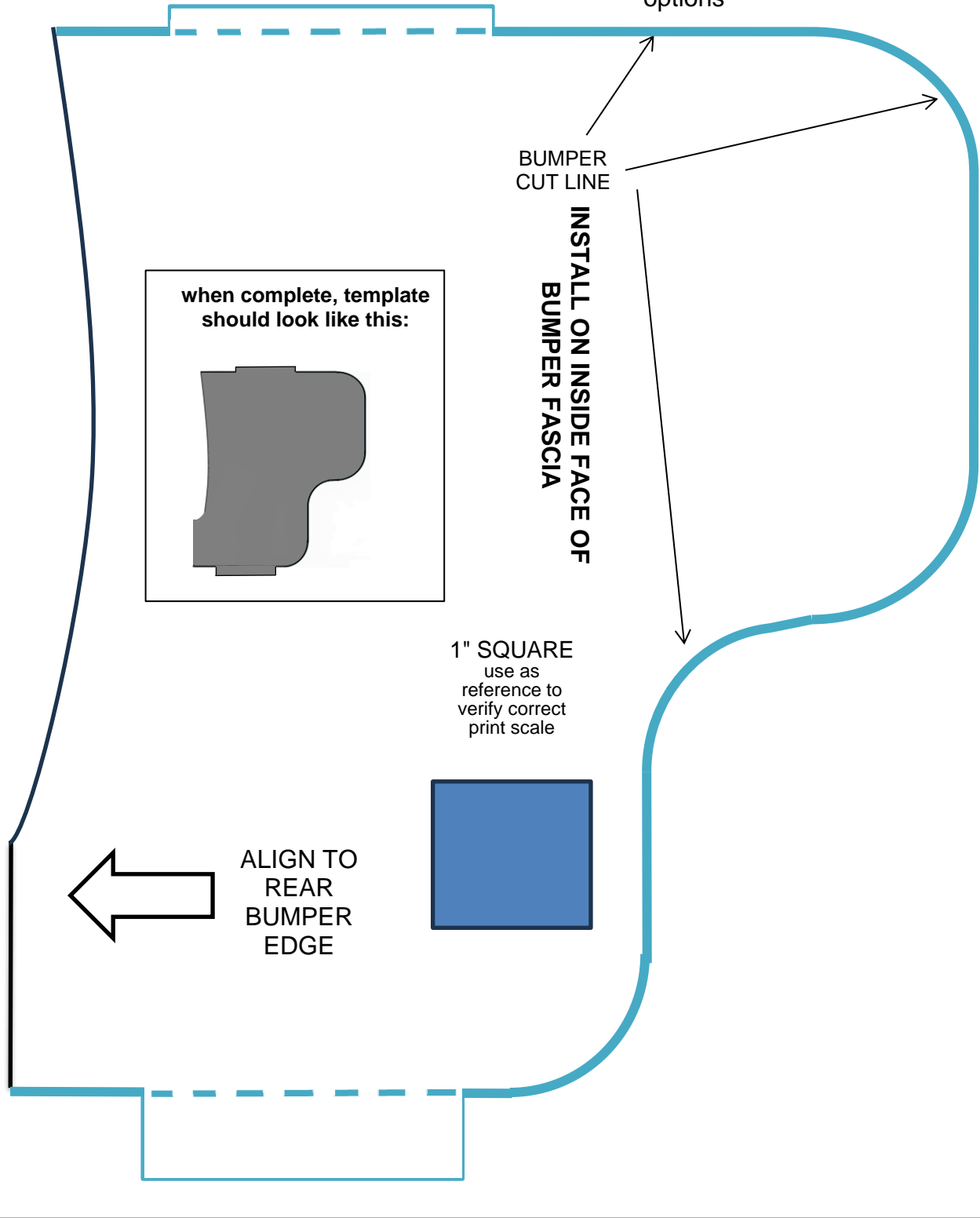


12 INSTALLING RUBBER BUMPER TRIM "M"

- ① Make sure the starting end of the rubber trim has a 90° square cut end.
- ② Starting at one end of the bumper opening, carefully slide the rubber trim "L" along the edge.
- ③ Continue to wrap around the opening, being sure to create a smooth joint as you go.
- ④ Once the rubber trim is in place, trim the excess length so that it is even with the edge.



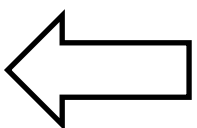
Paper Size: Letter
Scale: 1:1
Select "Actual Size" in printer options



BUMPER CUT LINE

INSTALL ON INSIDE FACE OF BUMPER FASCIA

1" SQUARE
use as reference to verify correct print scale



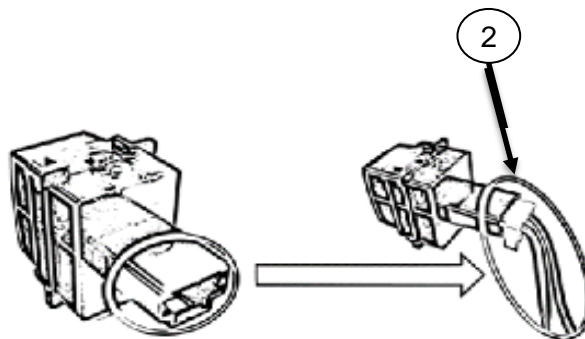
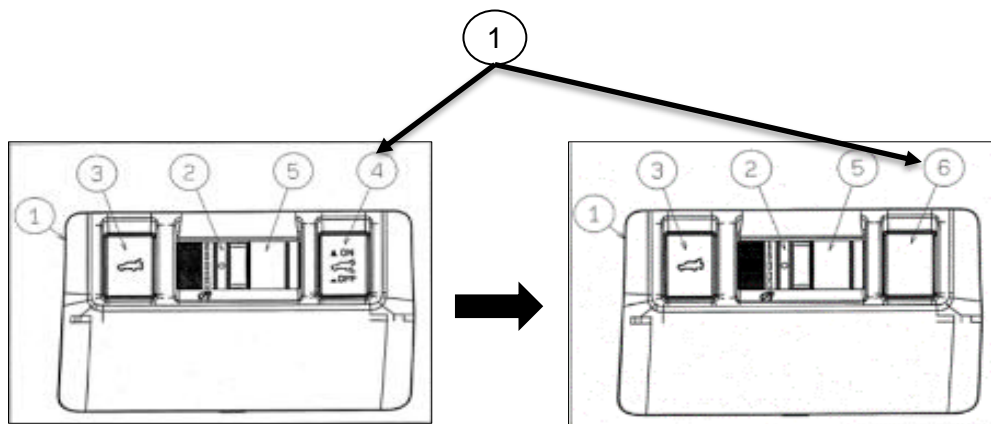
ALIGN TO REAR BUMPER EDGE

12 REINSTALLATION OF COMPONENTS

- ① Reinstall heat shield. Torque to 10 Nm (90 in-lb)
- ② Reinstall the muffler using self locking nut "N" and exhaust gasket "O" supplied in kit. Torque the exhaust nuts to 45 ± 5 Nm (35 ± 4 ft-lb)
- ③ Reconnect RAB harness
- ④ Reinstall rear bumper fascia.
- ⑤ Reinstall rear tail lights and covers.
- ⑥ Reinstall spare tire and related components.
- ⑦ Replace rear compartment cover.
- ⑧ Place receiver plug "M" into tow hitch receiver neck.

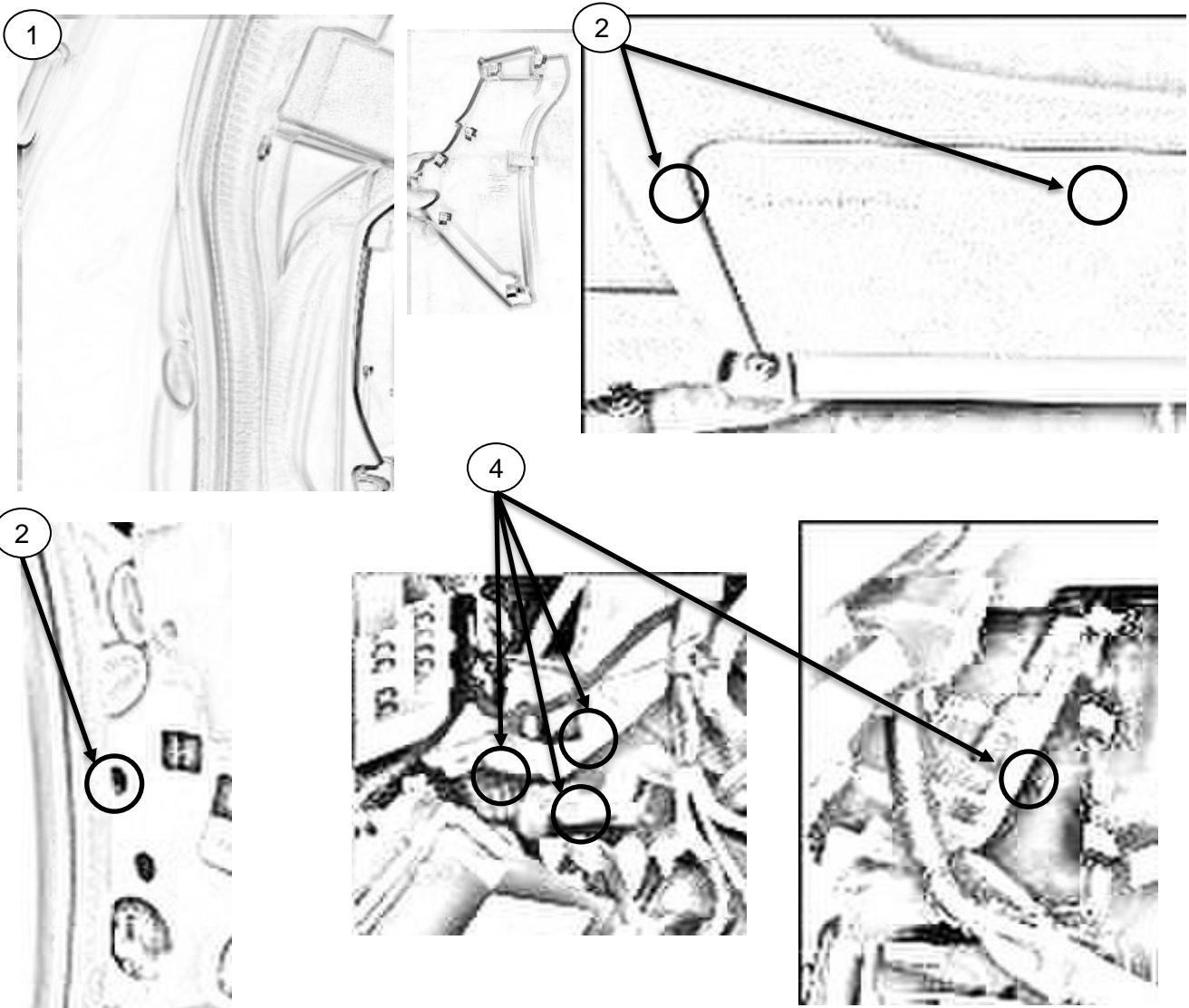
13 Remove Kick Sensor

- ① Remove the hands-free system switch (4) and attach blind cover (6).
- ② The connector attached to the switch can be fixed to the back of the cover.
- ③ Change vehicle customization settings (see appendix B). This step is required to be performed at a retailer.
- ④ Connect the DTC and verify that the work is completed successfully and there are no errors.
- ⑤ Check whether the power rear gate operates without problems using a method other than the kick sensor.



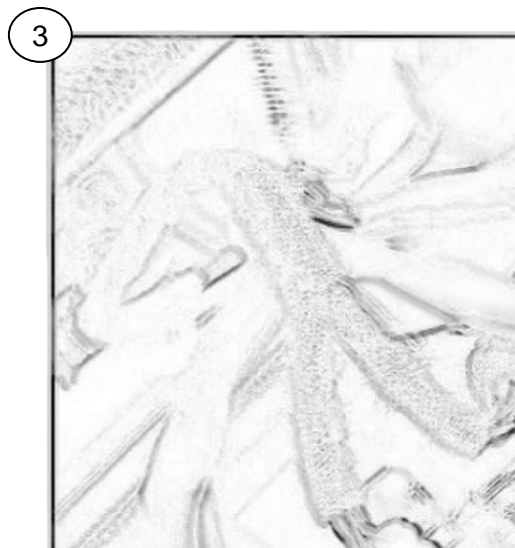
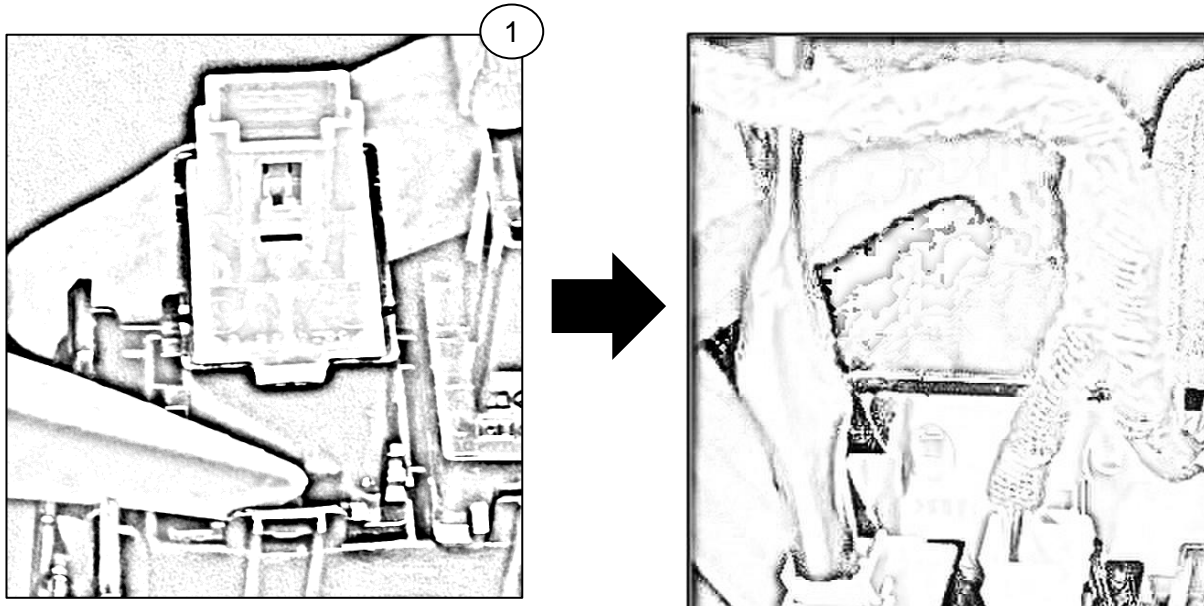
13 Remove Kick Sensor

- ① Using a nylon trim tool, carefully unseat the (6) retention clips and remove the left-hand side access panel. Set aside for reinstallation
- ② Remove (1) screw on the side trim and (2) screws on LH lower dash panel. Set aside for reinstallation
- ③ Remove lower dash panel by pulling straight out to disengage clips
- ④ Carefully unplug all switch connectors
- ⑤ Set the lower dash panel aside on a clean protected surface



13 Remove Kick Sensor

- ① Using a trim tool, carefully remove the kick sensor button. Recycle button appropriately
- ② Insert Kick Sensor Switch Blank and plug kick sensor harness in
- ③ Reconnect remaining harnesses
- ④ Reinstall lower dash, screws and side panel

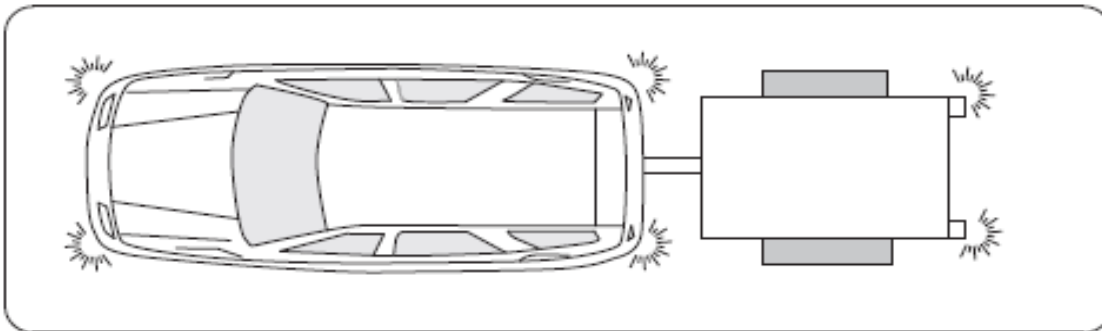


14 WIRING HARNESS FUNCTION CHECK

With the ignition on but without starting the engine, perform the following checks sequentially on both the vehicle and trailer lights.

(Turn signals will not work without ignition on the ON position)

- | | | | |
|---|---------------------------|---|---------------------------------------|
| ① | Turn on headlamps | → | Tail lights and marker lights are lit |
| ② | Turn on Left Turn signal | → | Left turn signal is flashing. |
| ③ | Turn on Right Turn Signal | → | Right turn signal is flashing. |
| ④ | Apply foot brake | → | Stop lights are lit. |



14 WIRING HARNESS FUNCTION CHECK (CONT'D)

With the ignition in the "ON" position (not "START", the engine would not be running) AND the parking brake applied, perform the following checks on both the vehicle and trailer lights.

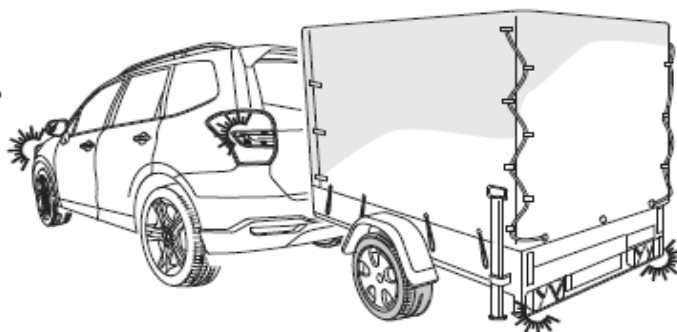


Push "START"

Press the push-button ignition twice without depressing the brake pedal

Perform the following at the same time.

- 1 Apply foot brake
Turn on headlamps
Shift into reverse
Turn on Hazards
-
- Stop lights are lit.
 - Tail lights and marker lights are lit
 - Backup lights are lit.
 - Left and right turn signals are flashing.

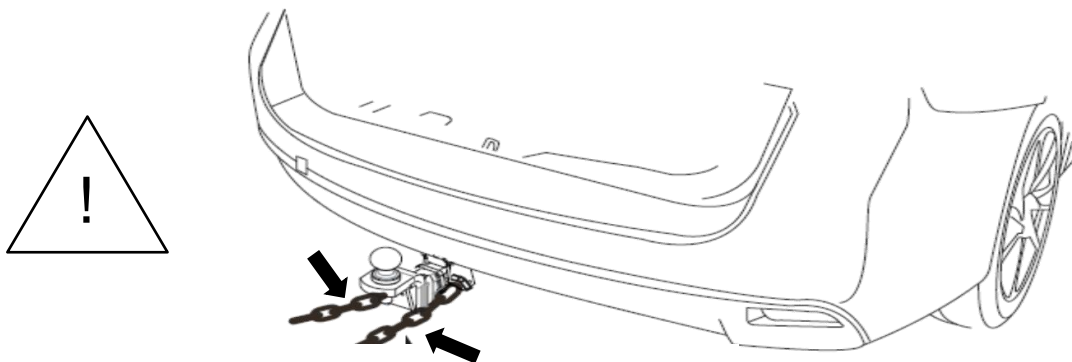


15 INSTALLATION INSTRUCTIONS

- 1 These instructions are an official document and an integral part of the trailer hitch. It should be stored in a glove box all the time and handed over with the vehicle if sold.

16 SAFETY CHAIN HOOK

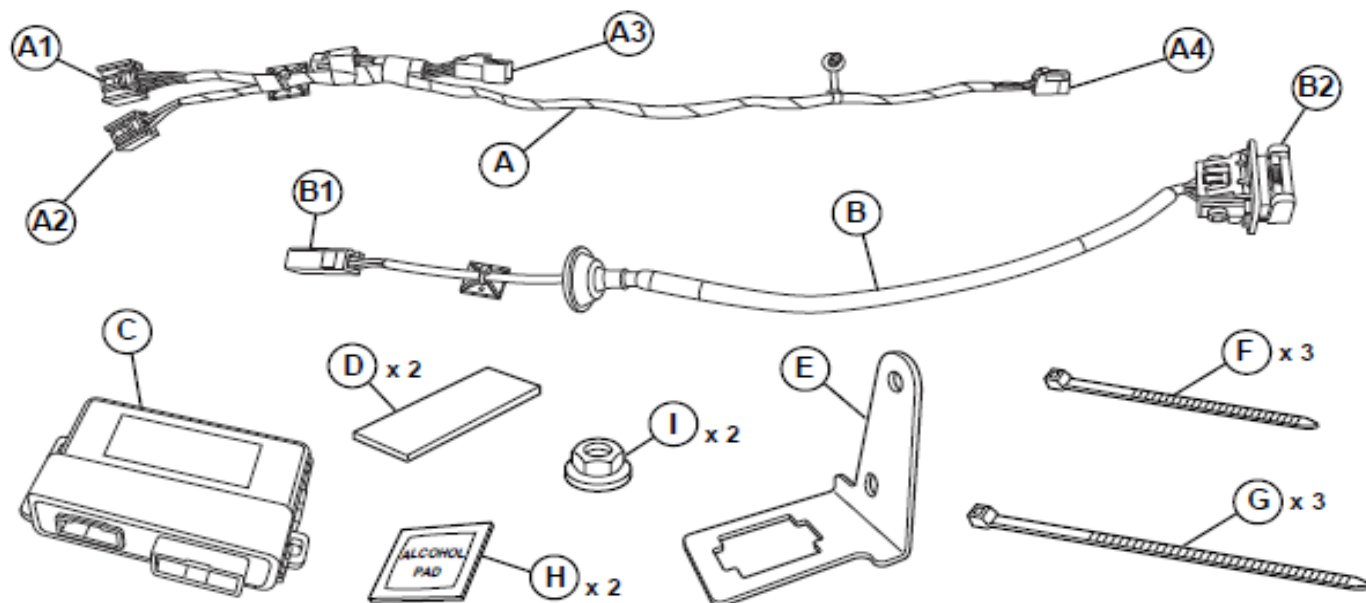
- 1 Always use safety chains when towing.



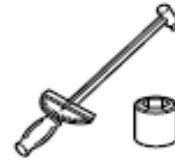
17 CAUTION



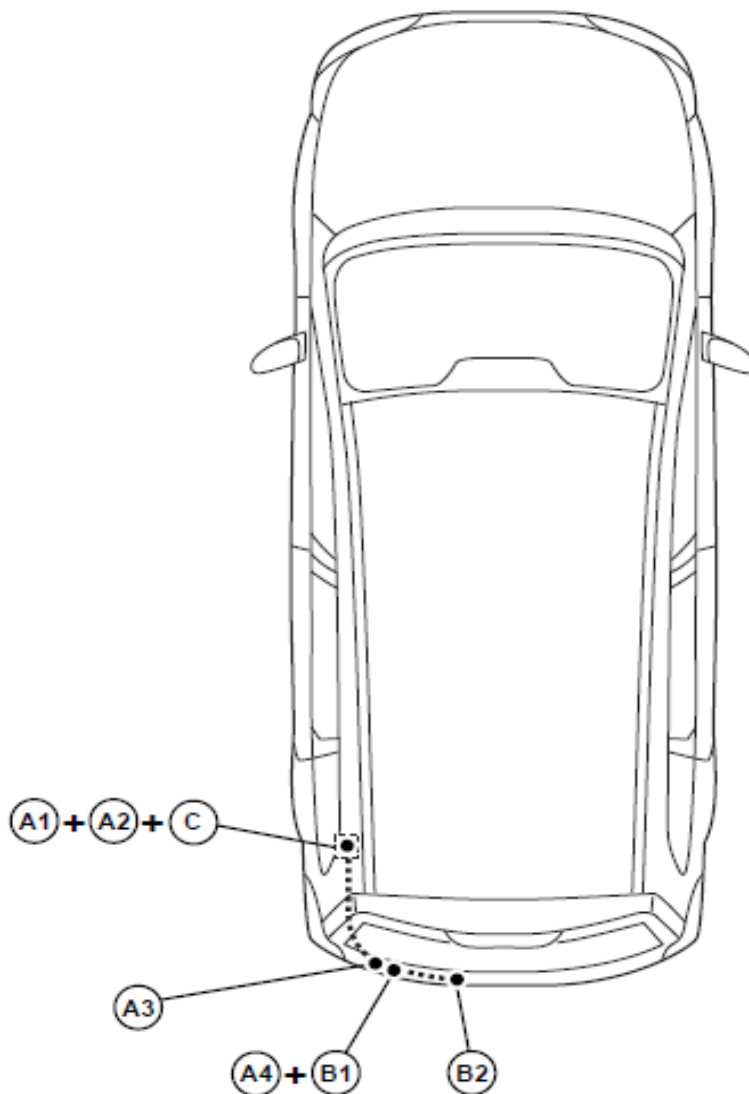
- 1 For further information, read vehicle's owners manual or consult your dealer or dealer's service department.
- 2 SUBARU accepts no liability for product defects caused by the vehicle owner or other persons and/or incorrect use.
- 3 After the first 600 miles (966 km), please consult with SUBARU dealer to re-check the tightness of Trailer Hitch bolts and/or nuts.
- 4 For models equipped with BSD (Blind Spot Detection) and RCTA (Rear Cross Traffic Alert) driving support systems, when towing a trailer, press BSD/RCTA OFF switch to deactivate the systems. The system may not operate properly due to the blocked radar waves. For details about BSD/RCTA OFF switch, refer to the owners manual "BSD/RCTA OFF switch".
- 5 For models equipped with RAB (Reverse Automatic Braking) system, please consult with SUBARU dealer when towing a trailer.


SUBARU
SUBARU FORESTER
EN TRAILER HITCH HARNESS
FR HARNAIS D'ATTELAGE DE REMORQUE


abc	EN	Description	FR	La description
A	Jumper Harness		Faisceau de connecteur	
B	Trailer Harness		Harnais de remorque	
C	Control Module		Module de controle	
D	Foam Tape		Ruban mousse	
E	Trailer Bracket		Support de remorque	
F	Short Cable Tie		Attache de câble courte	
G	Long Cable Tie		Attache de câble longue	
H	Alcohol Cleaning Pad		Tampon nettoyant à l'alcool	
I	Bracket Nut		Écrou de support	



	EN	Symbol description	FR	Description du symbole
		Movement		Mouvement
		Disconnect / detach		Déconnecter / détacher
		Connect / attach		Connecter / attacher
		Vehicle part		Pièce de véhicule
		Front of vehicle		Avant du véhicule



EN

General Notes

- Read through the fitting instructions before installation of the accessory. Install the accessory following the fitting instructions. Failure to do so may cause damage to the vehicle or the accessory.
- Ensure all recyclable discarded vehicle accessory components and packaging are recycled following local recycling regulations.
- It is always recommended that this accessory is fitted by a qualified automotive technician.
- Safely store and protect any removed vehicle components.
- Ensure all bare metal surfaces are protected using automotive bare metal primer and touch-up paint, or suitable automotive rust inhibitor.
- Remove all metal swarf and dust from all vehicle surfaces if surface is used for accessory installation.

Safety Notes

- Check that all work practices comply with safety standards.
- Please wear appropriate clothing and use safety equipment.



FR

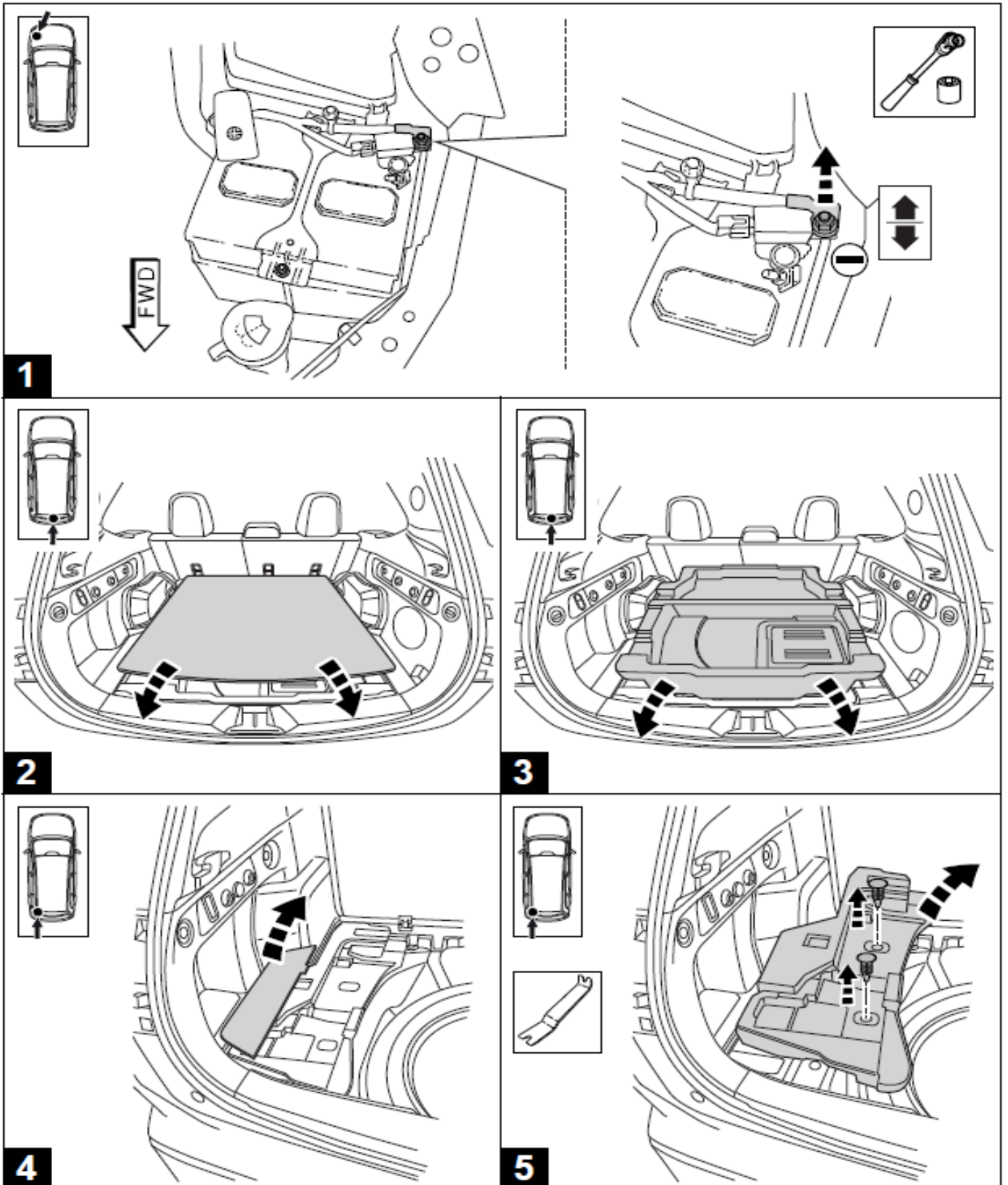
Remarques générales

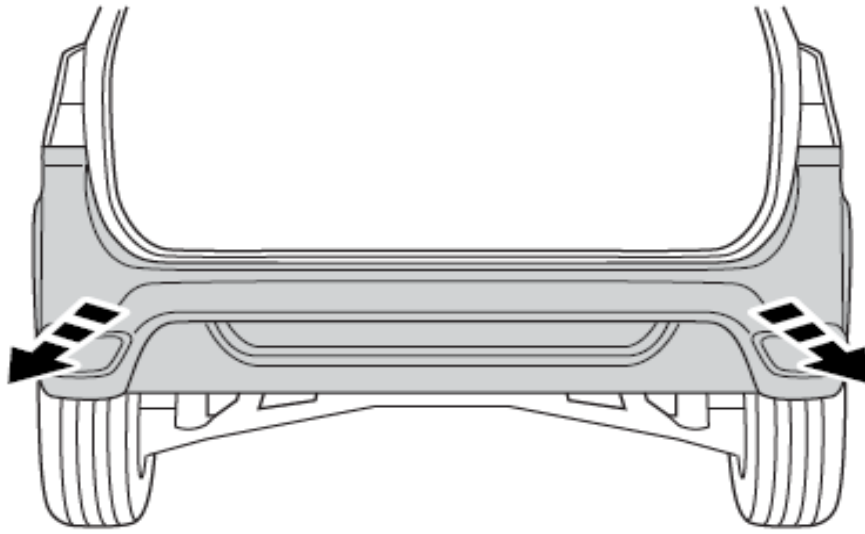
- Veuillez lire toutes les directives d'installation avant de poser l'accessoire. Posez l'accessoire conformément aux instructions d'installation. Faute de quoi, des dommages pourraient survenir au véhicule ou à l'accessoire.
- Assurez-vous que les composants recyclables et l'emballage de l'accessoire sont recyclés conformément aux règles en vigueur.
- Il est fortement recommandé de confier l'installation de l'accessoire à un technicien qualifié.
- Les composants déposés doivent être entreposés de façon sécuritaire.
- Les surfaces métalliques nues doivent être protégées. Pour ce faire, appliquez un apprêt à peinture et de la peinture à retouche ou un inhibiteur pour la rouille.
- Enlevez les éclats métalliques et la saleté qui pourraient couvrir la surface de pose.

Remarques de sécurité

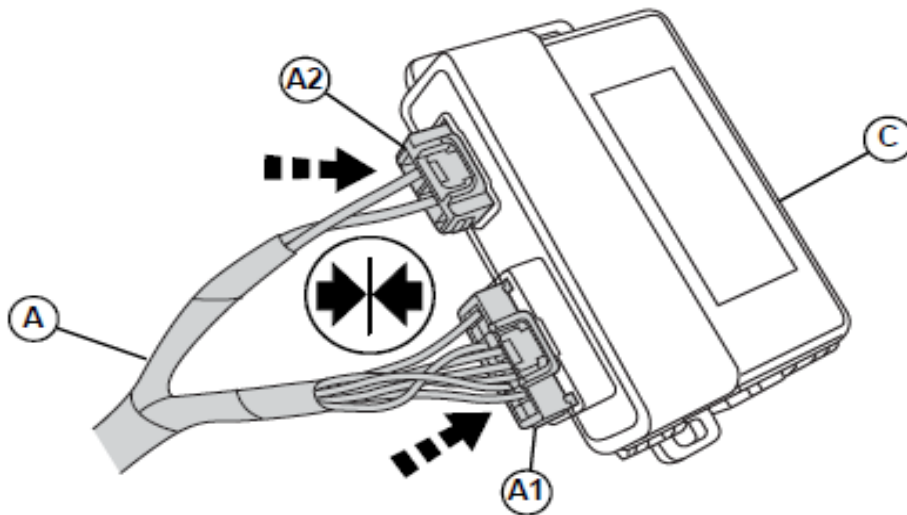
- Vérifiez que les méthodes de travail sont conformes aux normes de sécurité.
- Portez des vêtements appropriés et utilisez de l'équipement de sécurité.



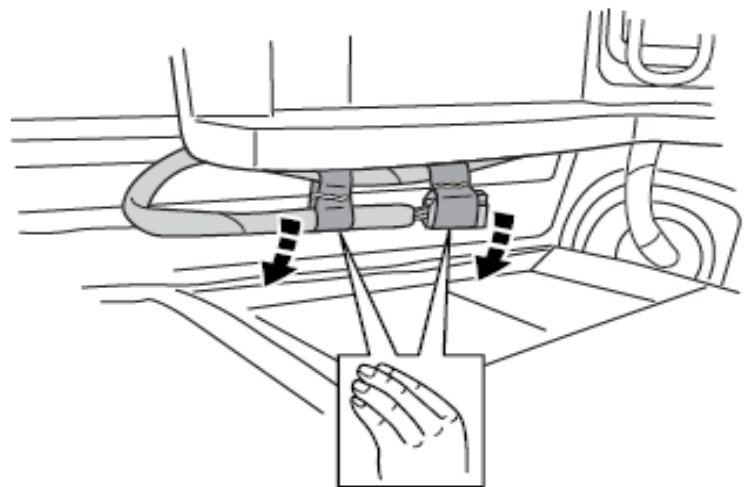
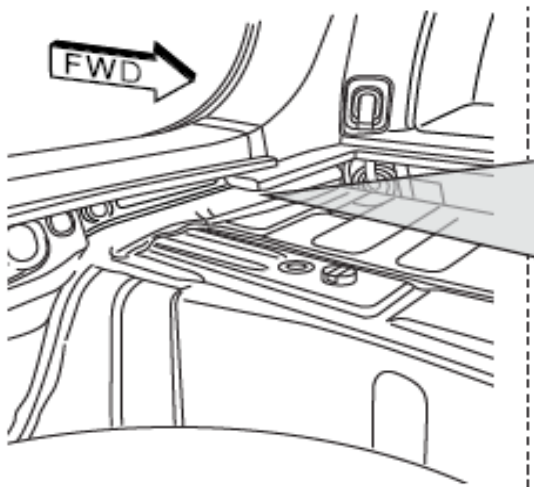




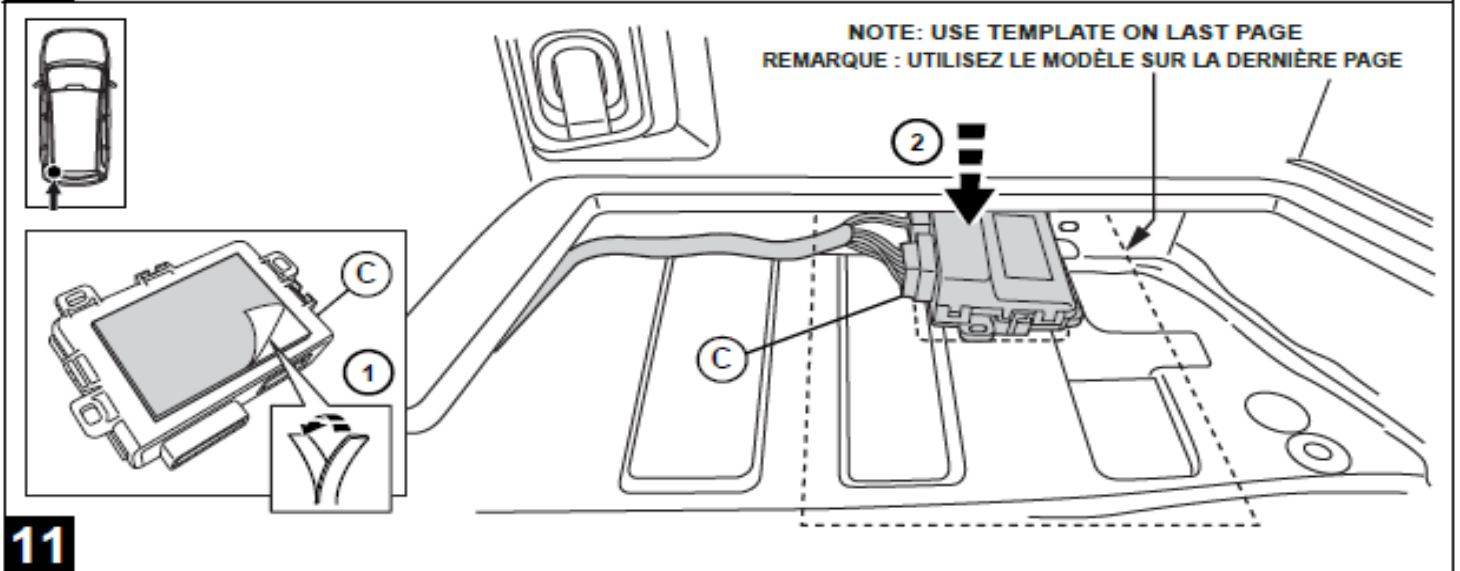
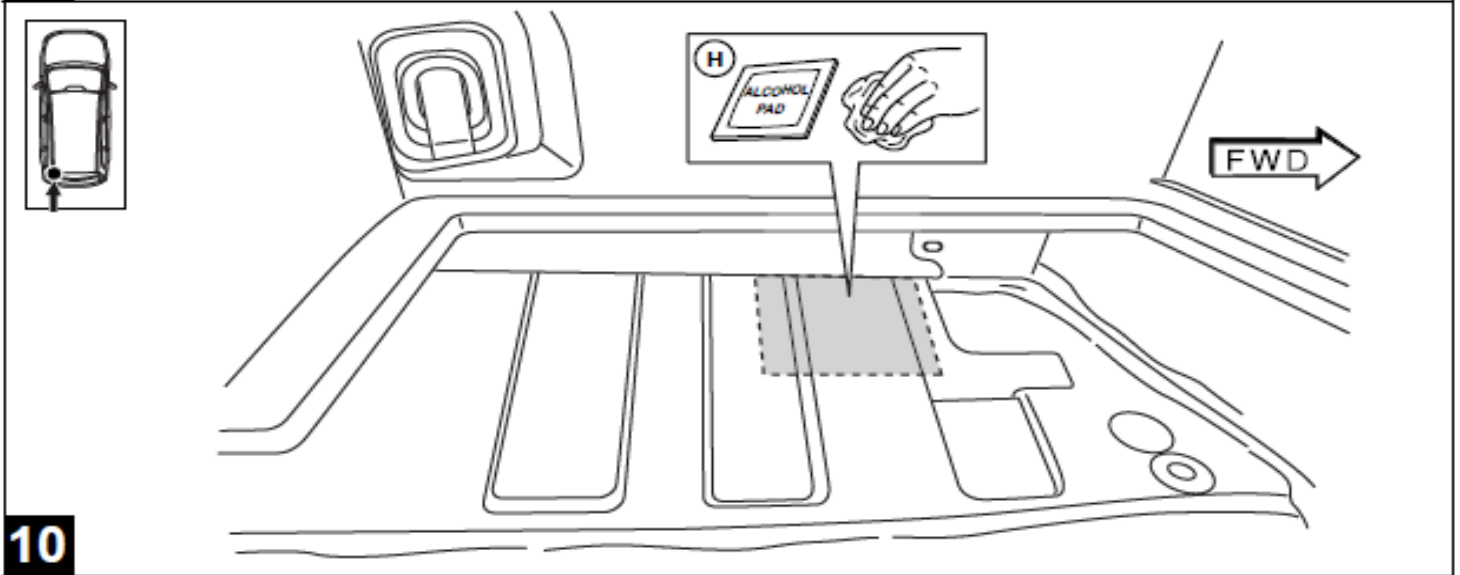
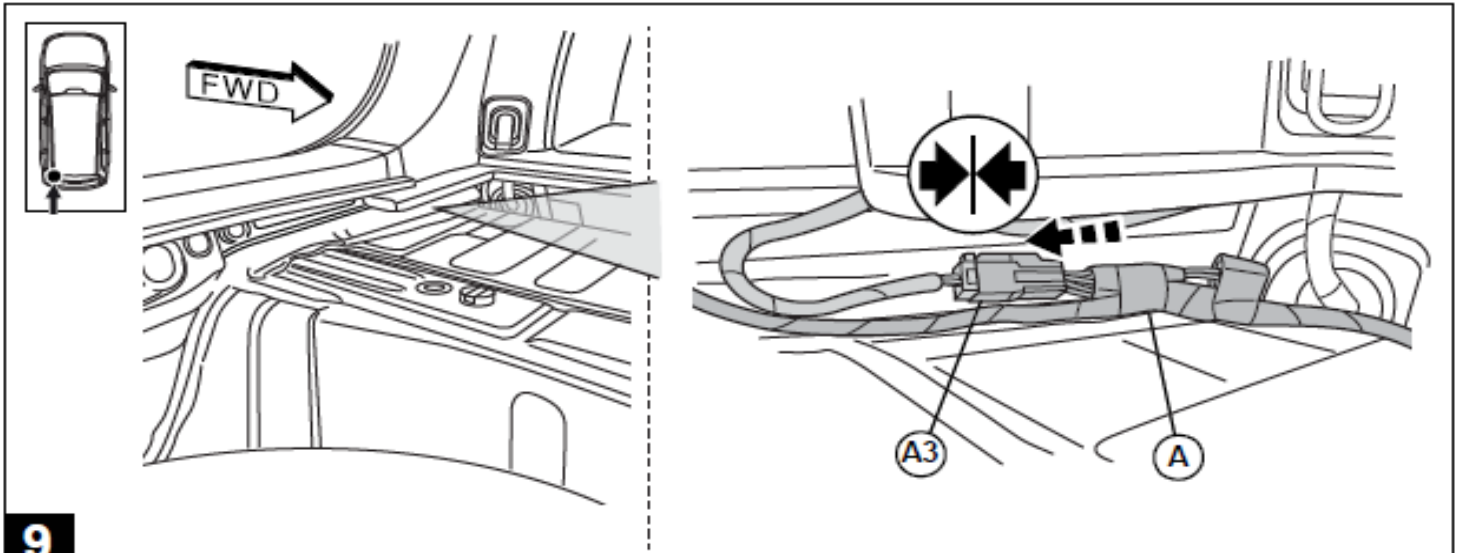
6

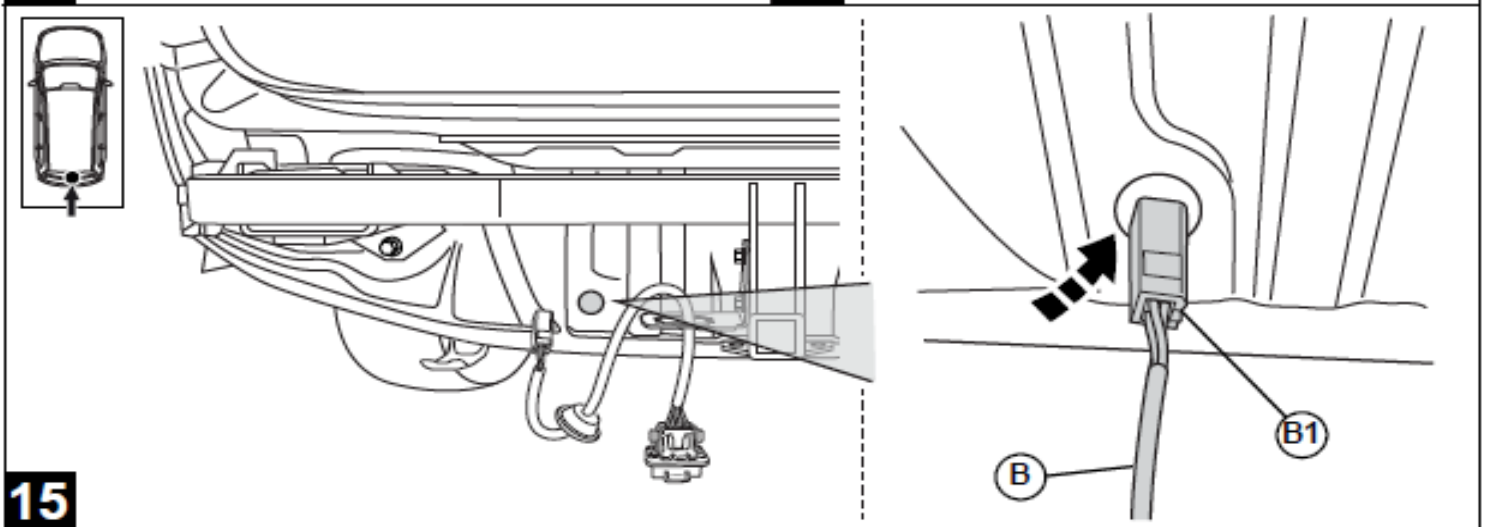
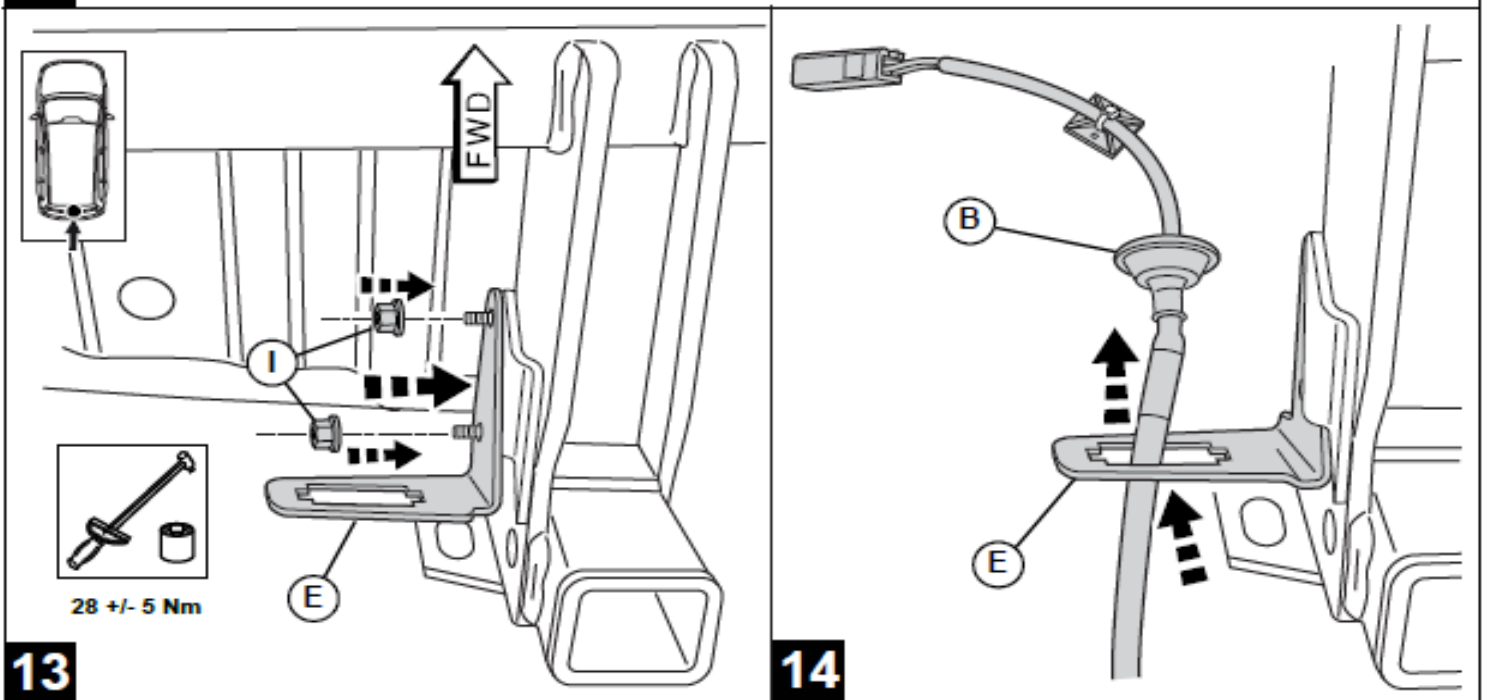
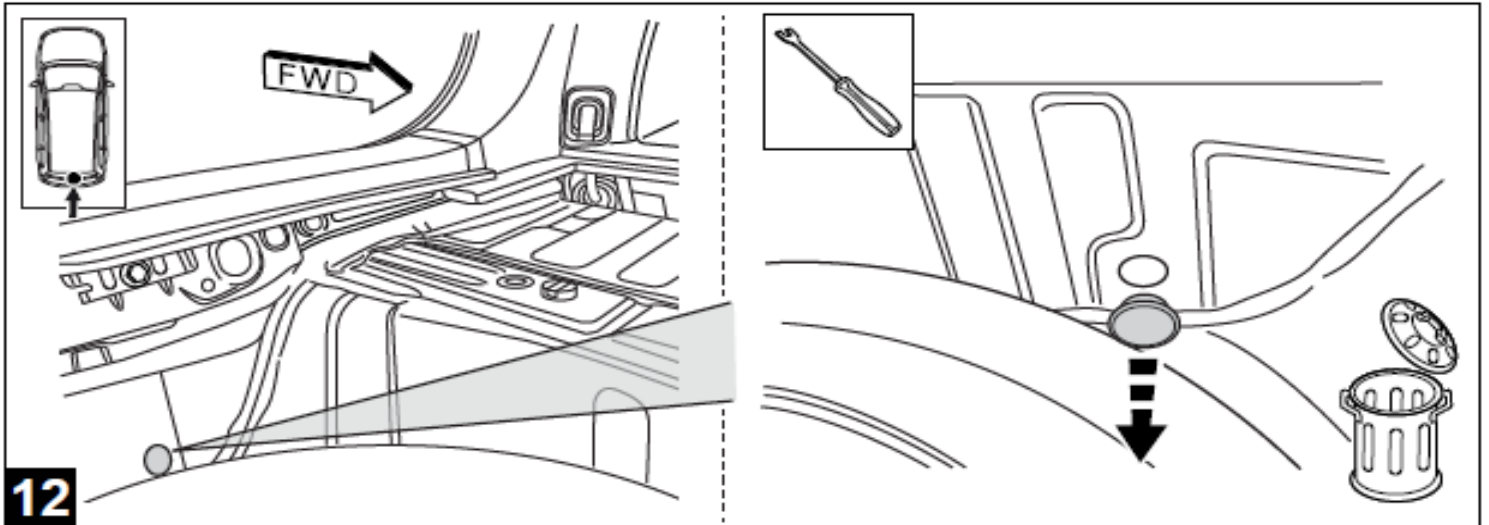


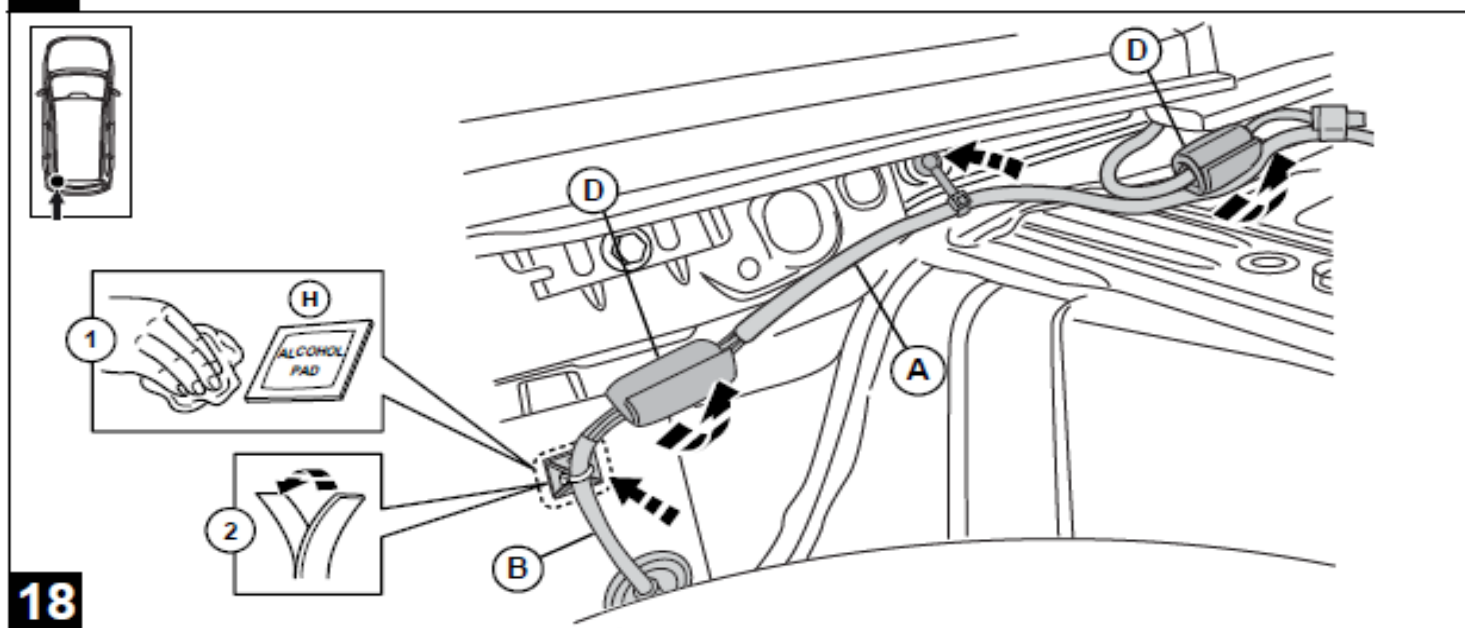
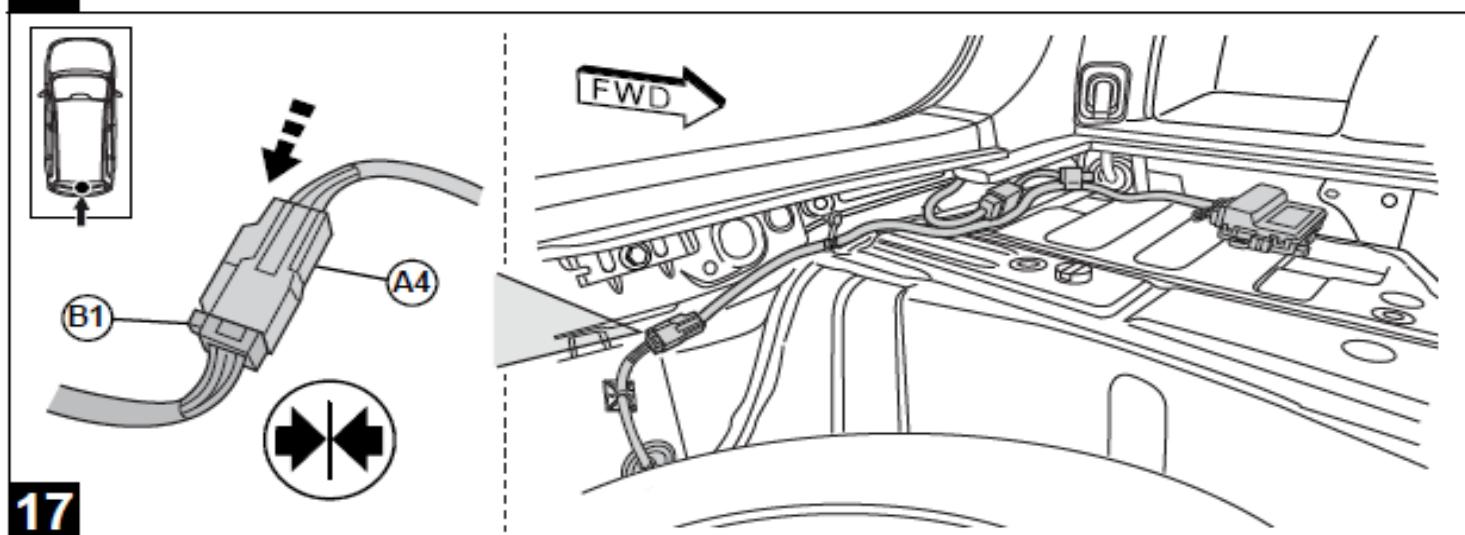
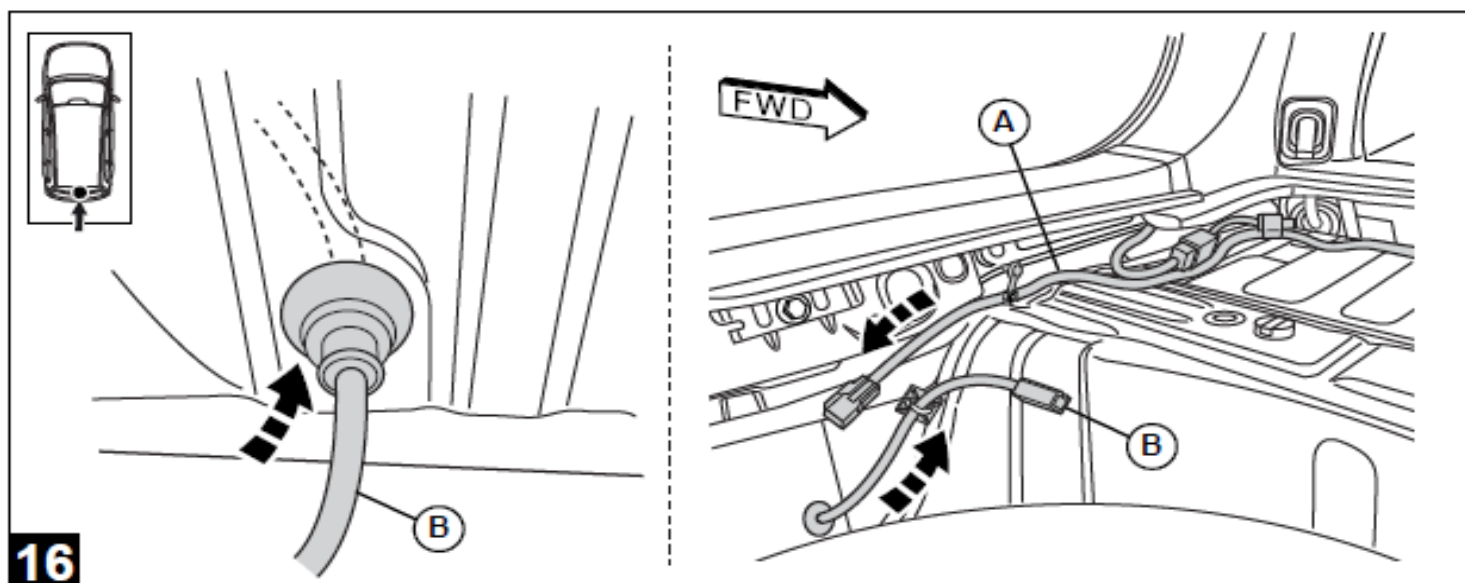
7

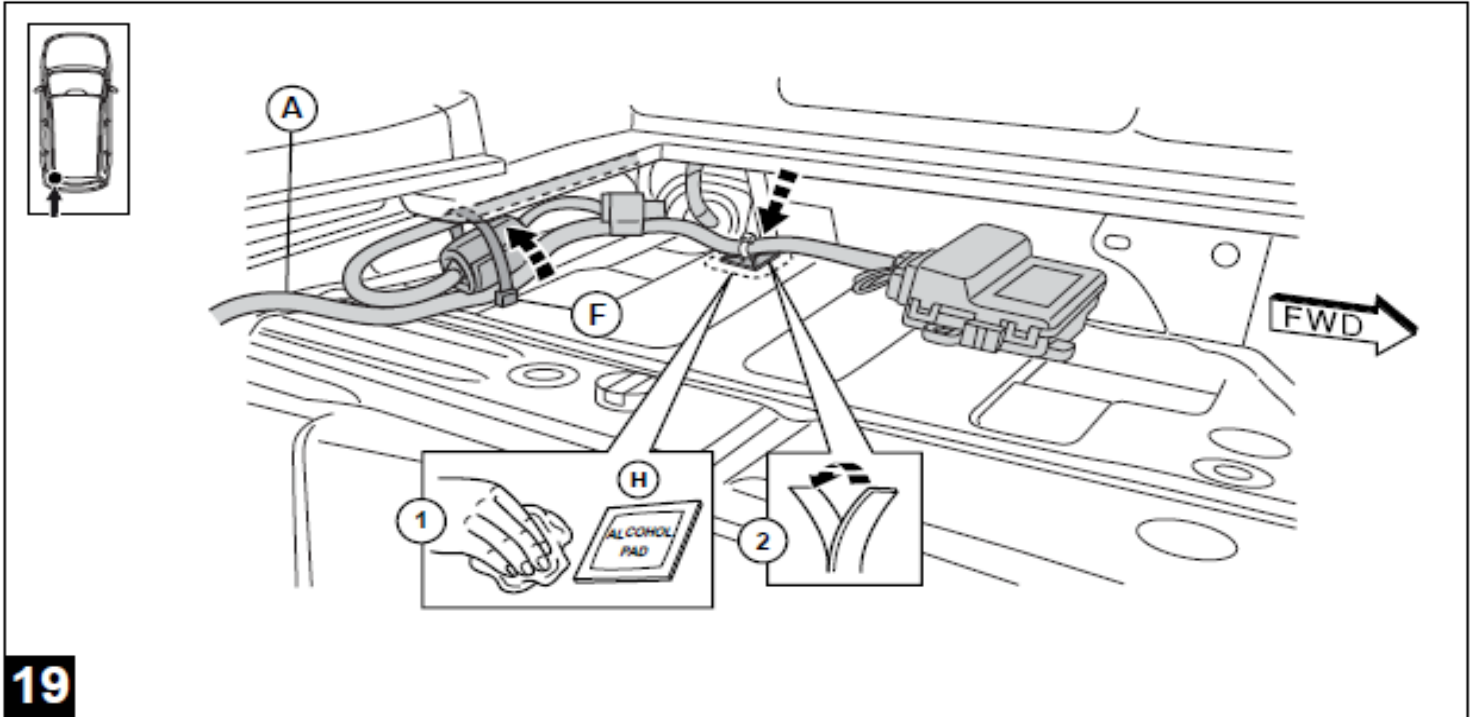


8

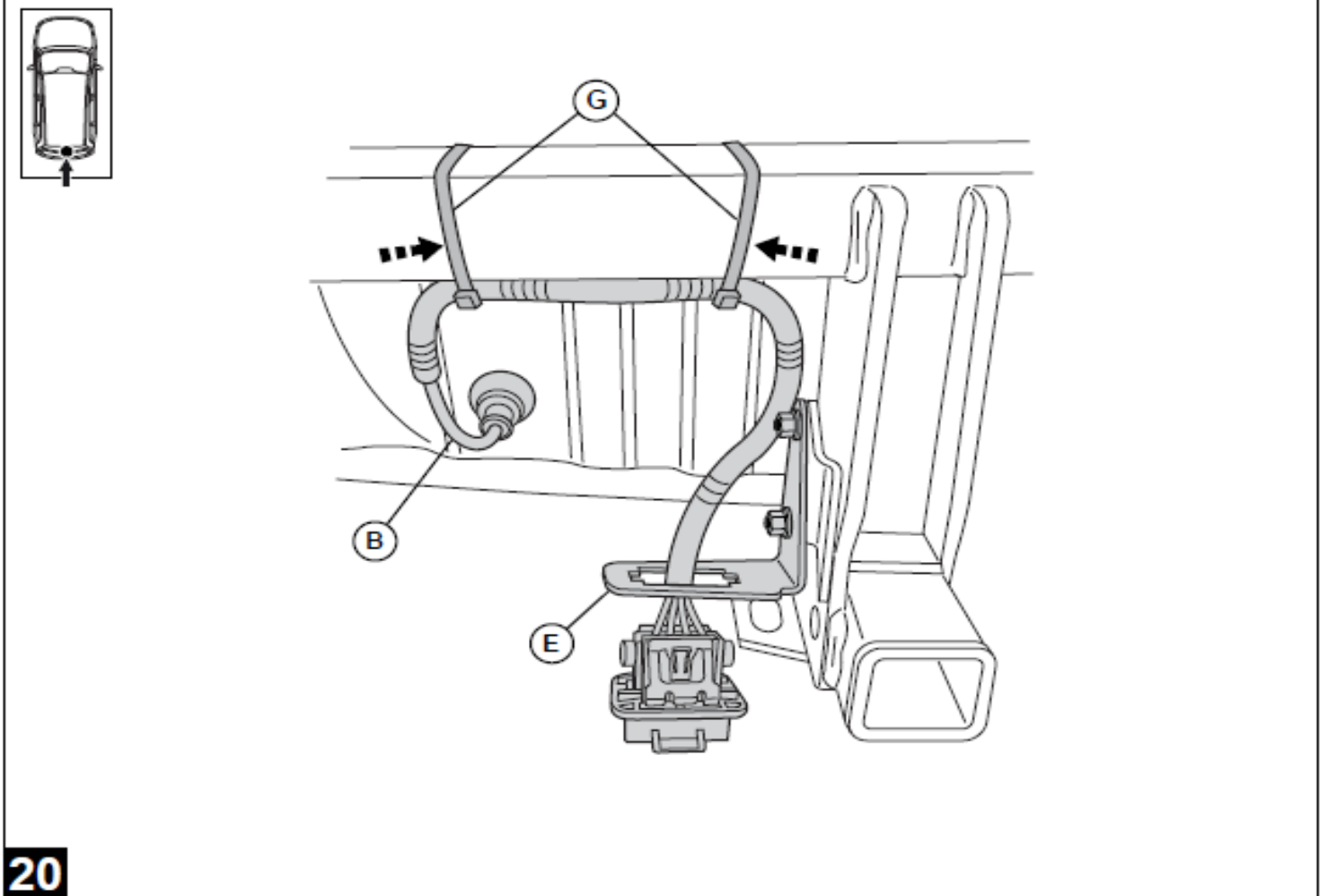




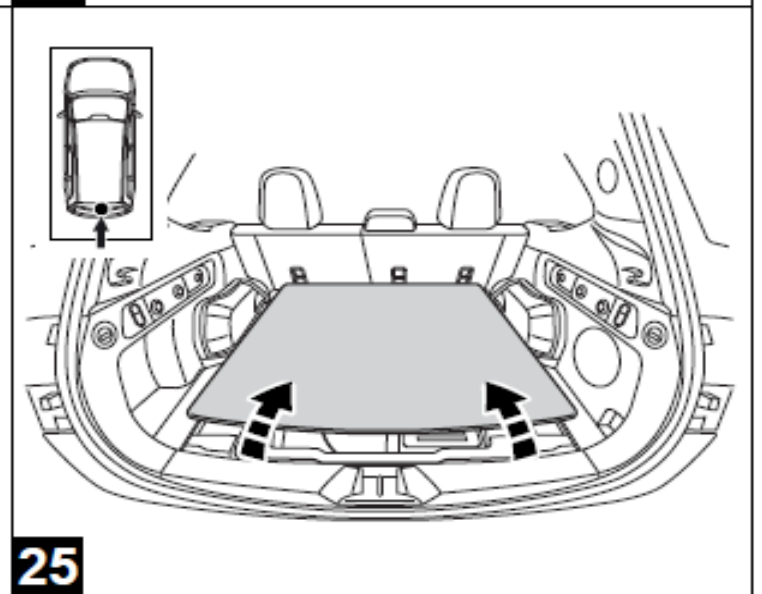
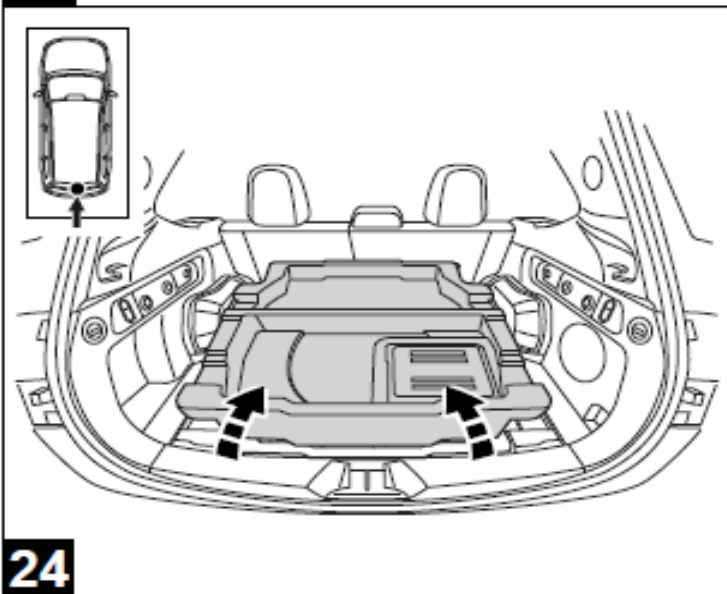
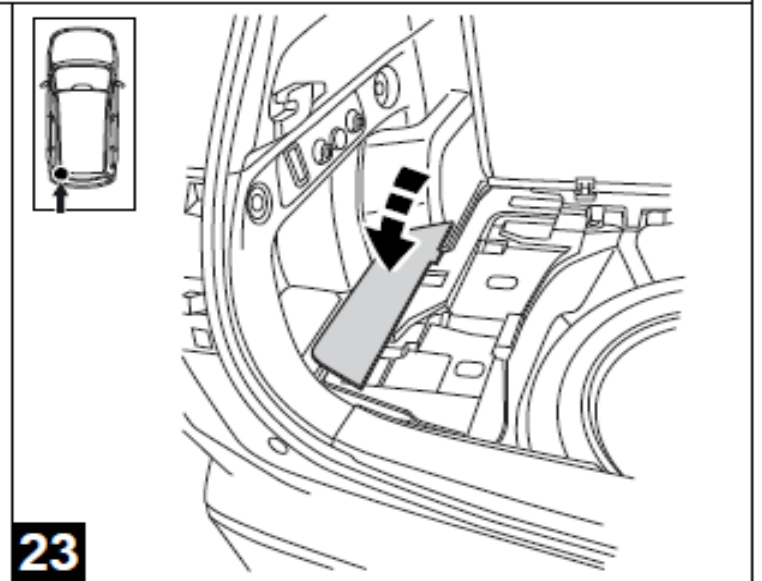
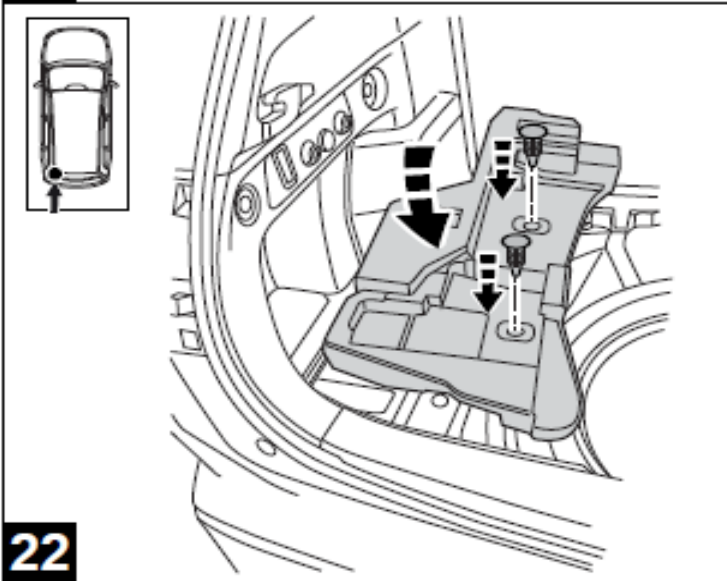
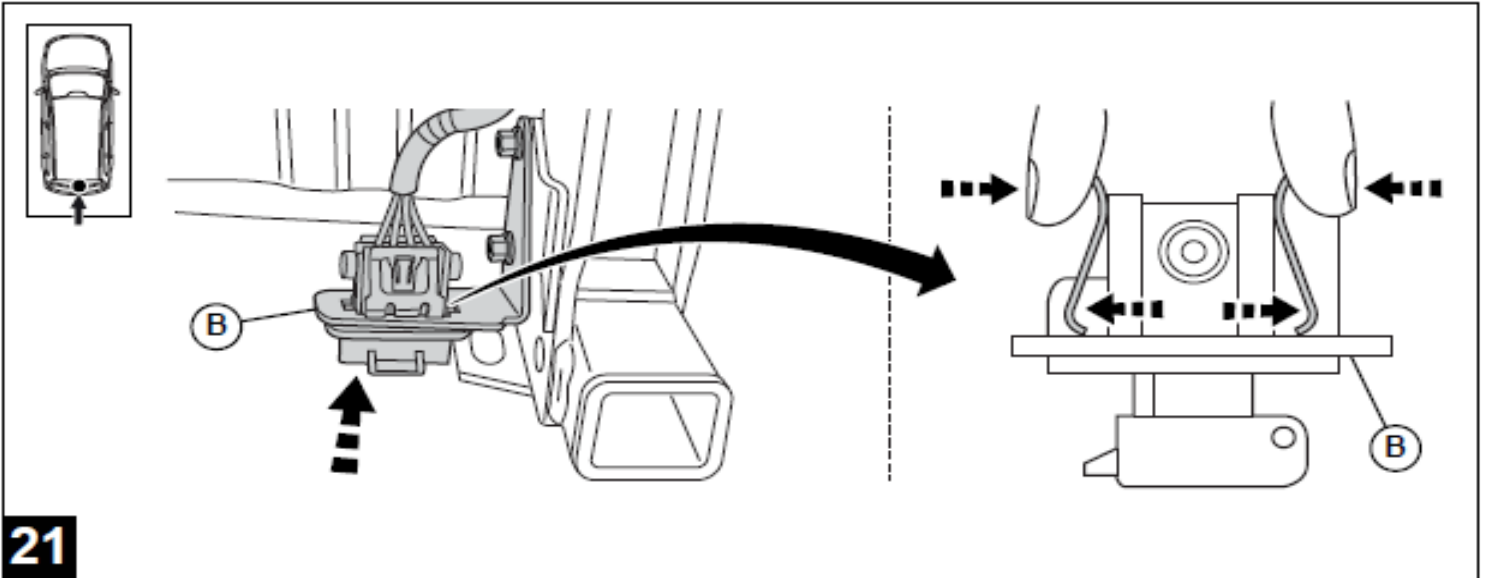


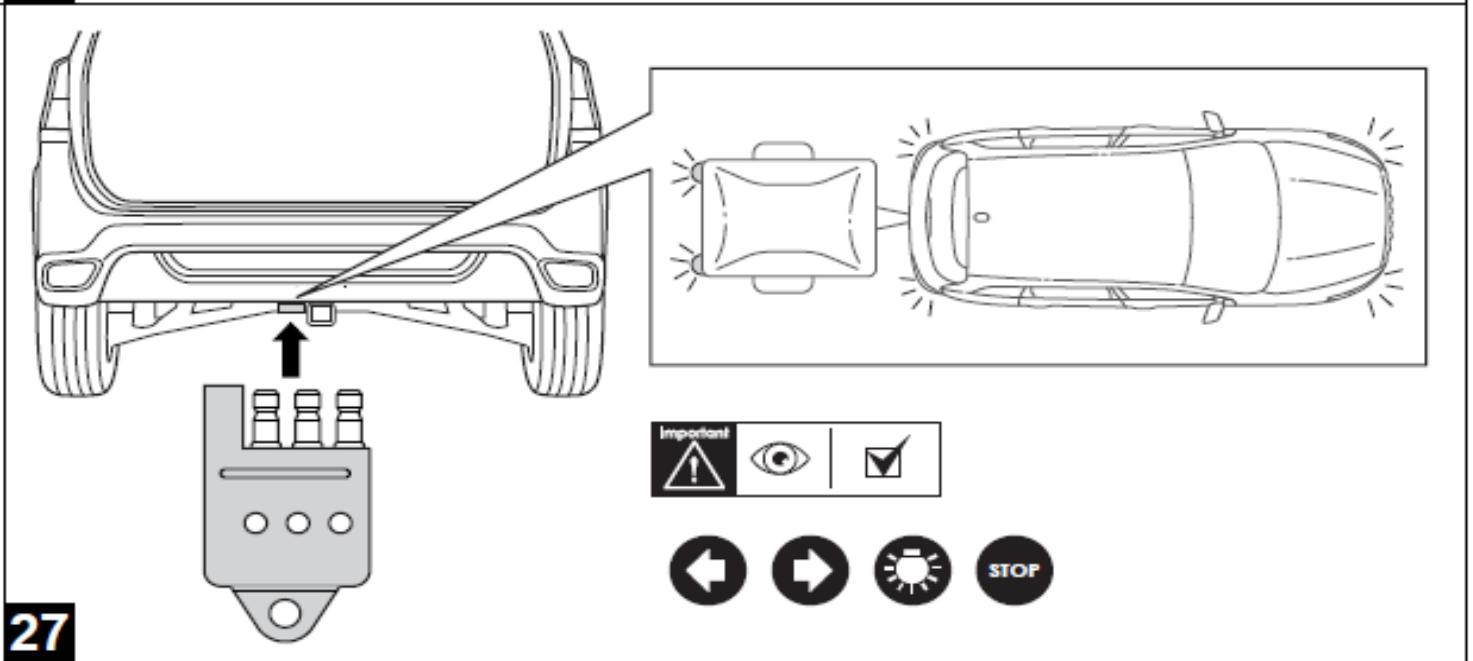
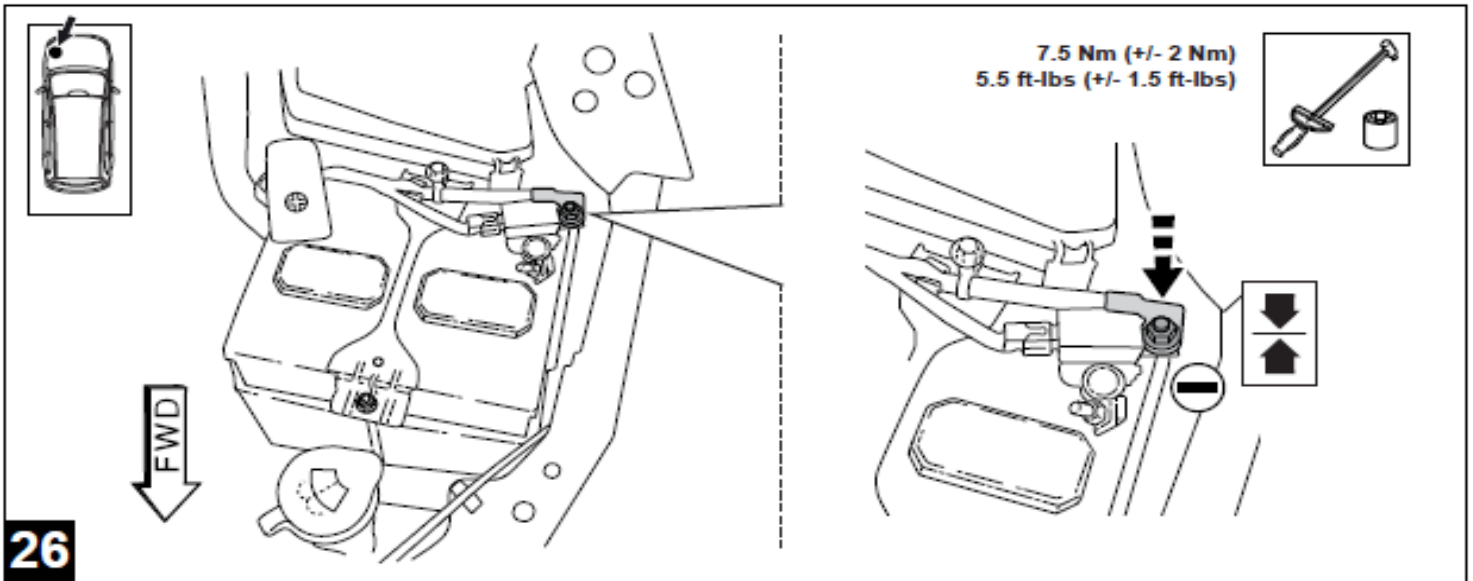


19



20





MODULE MOUNTING TEMPLATE
LE MODÈLE DE MONTAGE DU MODULE

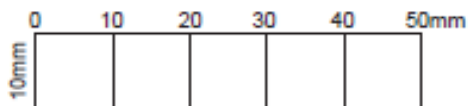


(FOLD HERE) (PLIER ICI)

(FOLD HERE) (PLIER ICI)



PRINT ACTUAL SIZE
IMPRIMER LA PAGE À TAILLE RÉELLE



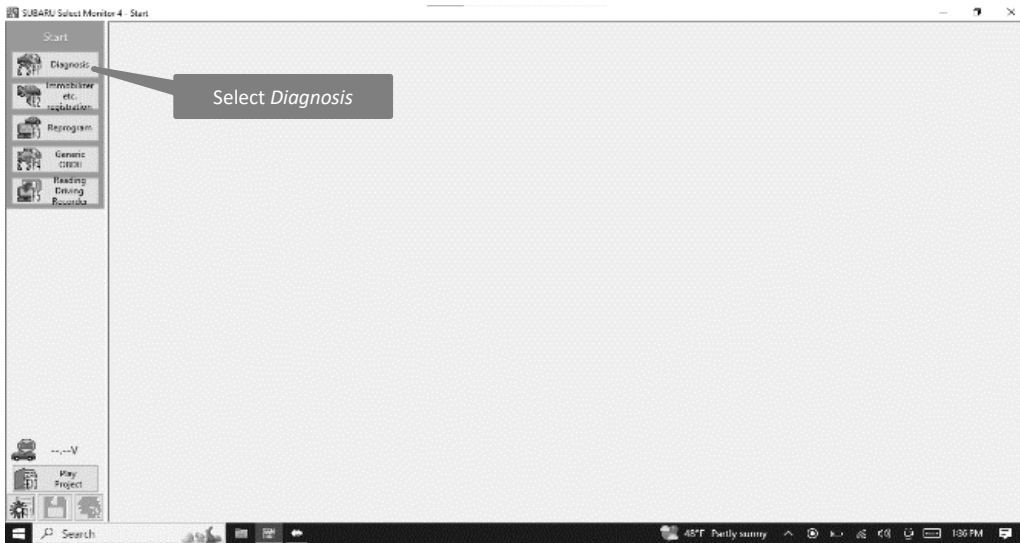




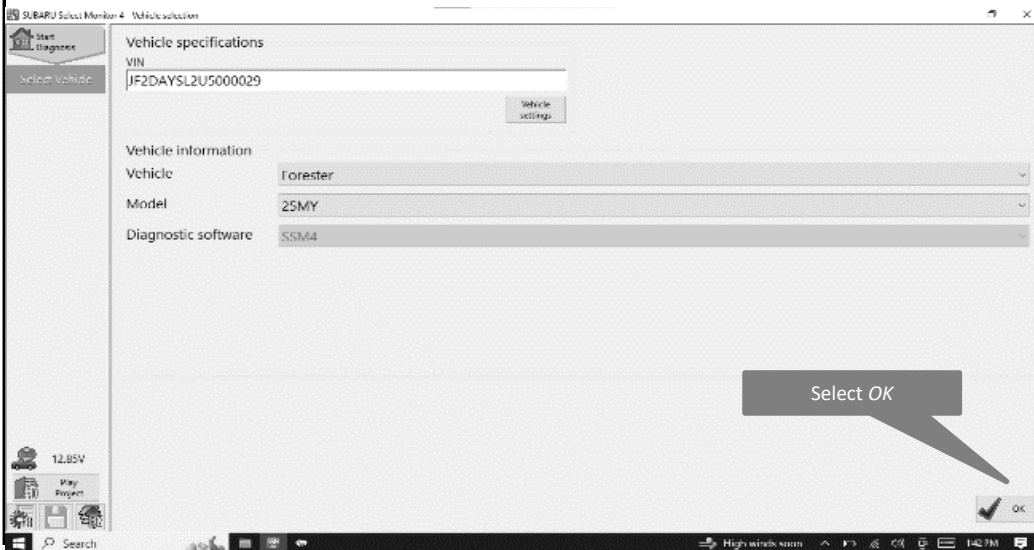
Appendix - B - Kick Sensor

Customize Settings

- 1 Plug the DST-i diagnostic plug into the vehicle's diagnostic connector
- 2 Plug the DST-i USB plug into a network enabled laptop
- 3 Select/Open the SSM4 software on the laptop
- 4 Turn vehicle IGN ON
- 5 From the Left Toolbar, Select Diagnosis



- 6 VIN and Vehicle data should automatically populate. If it does not, select vehicle and model from the dropdowns. Select "OK"

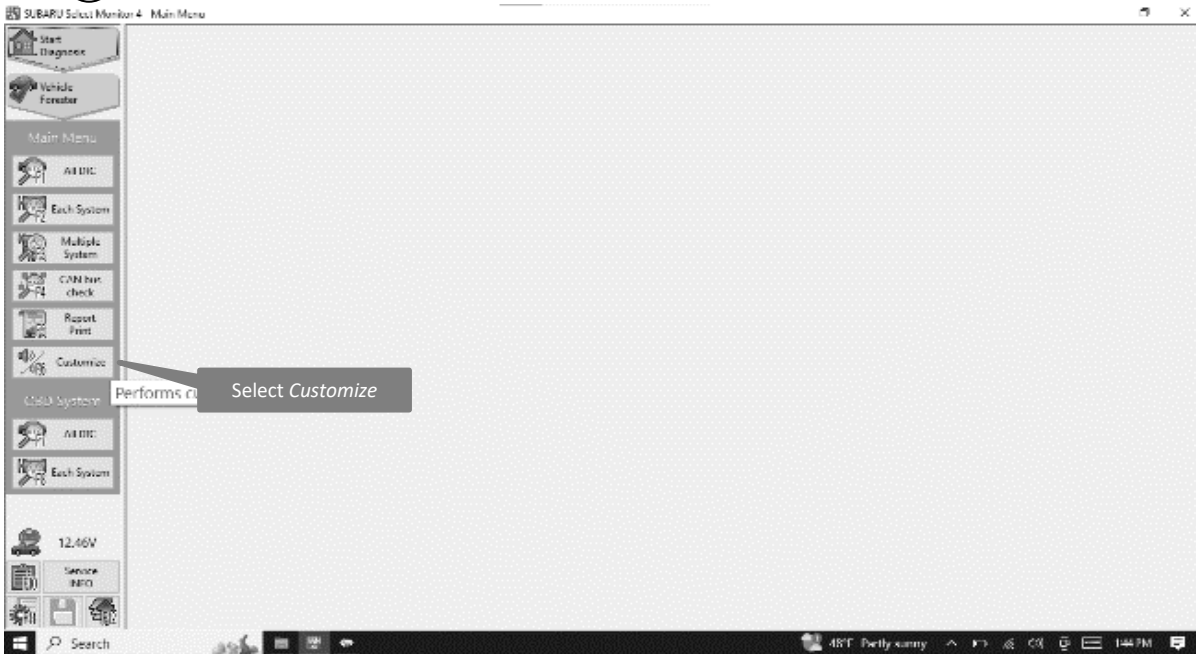




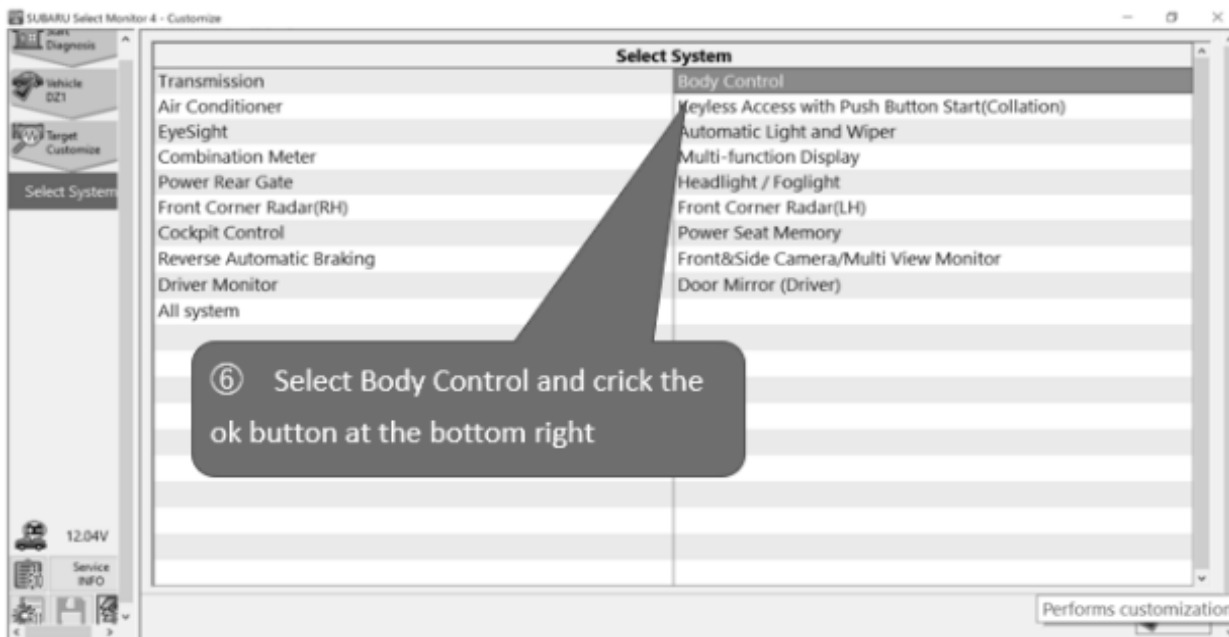
Appendix - B - Kick Sensor

Customize Settings

7 Select Customization from the left column



8 Select Body Control

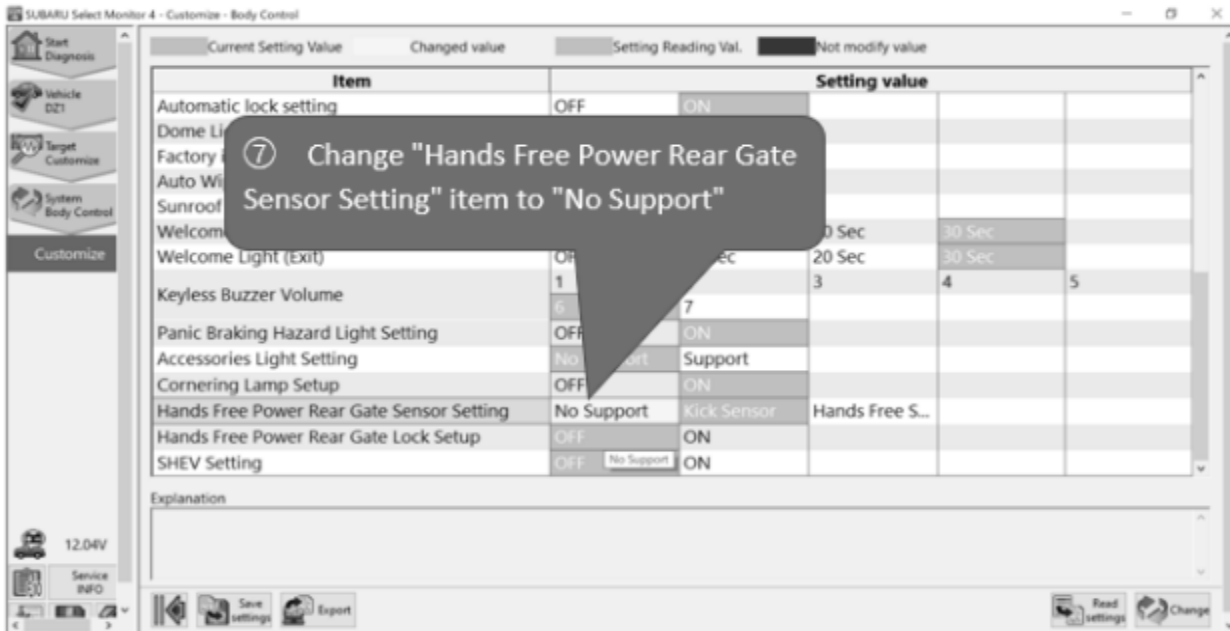




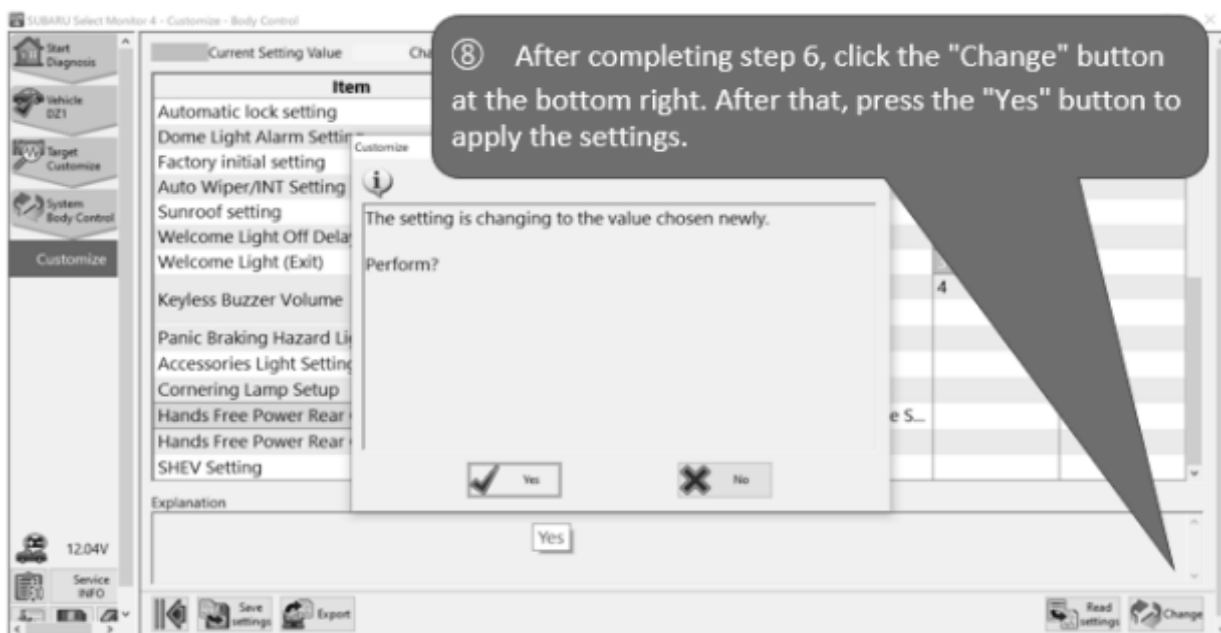
Appendix - B - Kick Sensor

Customize Settings

- 9 Find "Hands Free Power Rear Gate Sensor Setting" and change to No Support



- 10 Select "Change" and "Yes" to apply setting

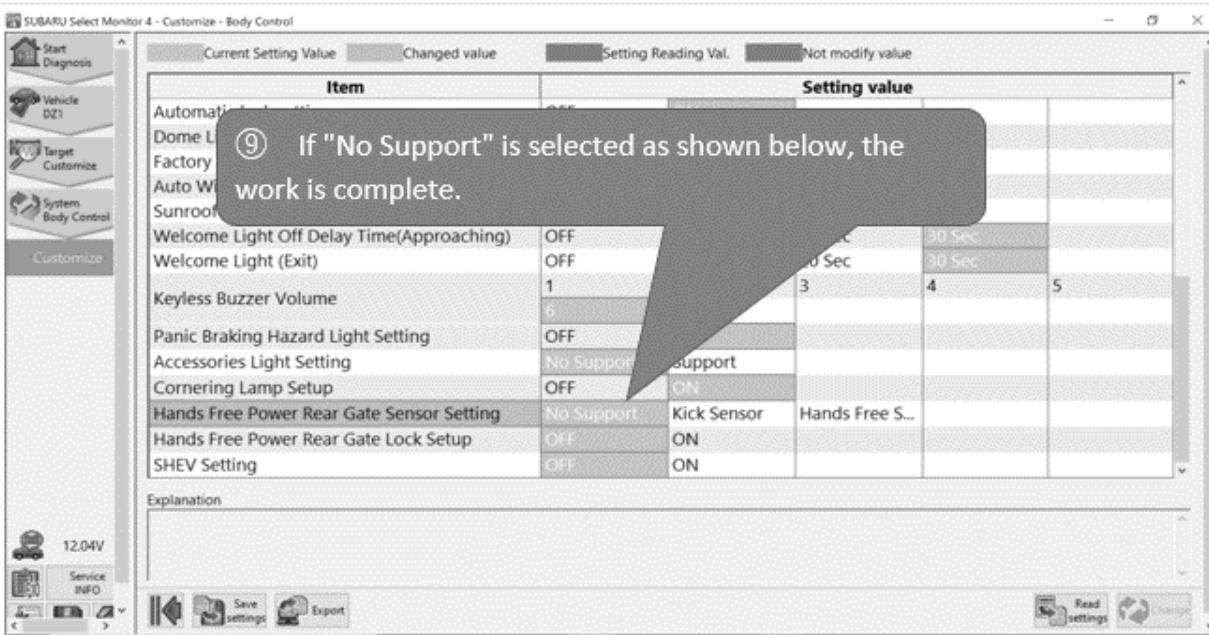




Appendix - B - Kick Sensor

Customize Settings

11) Verify "Hands Free Power Rear Gate Sensor Setting" shows No Support in blue



12) Disconnect DST-i and laptop