

INSTALLATION MANUAL

PRODUCT: **FRONT BUMPER**
MODEL: **MITSUBISHI L200 (2015-2019)**
PART NO: **2D.4001.1-NL**



CAUTION!

To reduce the risk of serious injury or damage, please read and understand all instructions and procedures before attempting to install or use this product.
Safety glasses must be worn at all times during installation or maintenance of this product.
Ensure all mounting bolts are tensioned after 1000 kms and periodically there after.

NOTICE

Whilst the bumper adds additional protection to your vehicle, precautionary measures still need to be taken to avoid damage.
Always drive to the conditions and your surroundings.

EAC RU C-RU.MT40.B.00184

ADR69 COMPATIBLE

AIR BAG COMPLIANT

FRONT BUMPER

Part Number:	2D.4001.1-NL
Suited to vehicle:	Mitsubishi L200 2015-2019
Material:	aluminum/steel
Dimensions:	1950x750x450 mm
Weight:	45 kg
Compatibility:	RIVAL 4046.1 Underbody Armour



SAFETY NOTICE

- * The RIVAL Bumper is designed to compliment the use and design of the specified vehicle under conditions specified by the car manufacturer.
- * While driving the vehicle at any speed, collision with any other vehicle, animal or object must always be avoided.
- * Following any collision with any other vehicle, animal or object, the RIVAL Bumper and the vehicle must be inspected by a specialized or suitably qualified vehicle repairer for possible damage to the components and assemblies in order to confirm suitability for further use of the vehicle.
- * It is strongly recommended that you do not operate a vehicle with a damaged bumper or its components. In the case of damage, please contact the nearest RIVAL dealer.
- * The operation of a vehicle where the bumper is not properly attached and fastened to the vehicle, or where the bumper has been damaged, is extremely dangerous and must be avoided at all cost.
- * It is recommended that you carry out regular inspections of all the bumper elements such as all bolts, wires, connectors.

INSTALLATION NOTICE

- * The RIVAL Bumper must be mounted and affixed to the vehicle according to this installation manual.
- * Personal safety during the installation process must be adhered to at all times and the use of personal safety equipment is highly recommended.

REQUIRED TOOLS

- * Basic tool kit
- * Electric drill
- * Angle grinder
- * Drill set
- * Cross-recessed and slotted screwdrivers
- * Torque wrench
- * Box knife
- * Marker

TORQUE SETTING

- * M6 9 Nm
- * M10 44 Nm
- * M12 77 Nm

*ADR69 AND AIR BAG SYSTEM

The RIVAL Bumper has been tested and certified to be compatible with ADR69 and will not affect the operation of the Air bag System on this vehicle.

This product or mounting brackets must not be modified in any way, and must be fitted in accordance with the installation instructions.

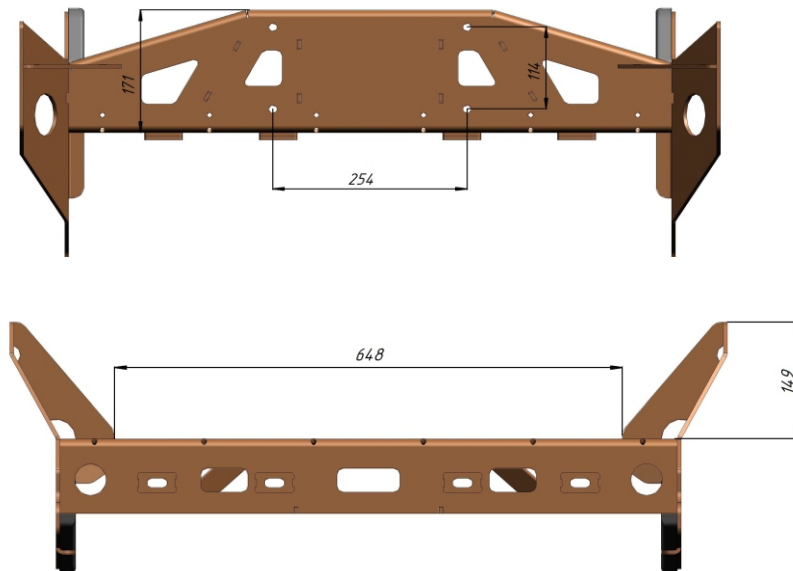
IMPORTANT NOTE

If the FRONT Bumper is to be colour coded it is the installers responsibility to check the fitment and alignment of the Bumper to the vehicle before painting is done. It is the painters responsibility to ensure that the Bumper is correctly prepared and high filled to achieve a quality finish. RIVAL is not liable for any costs associated with colour coding, or fitment issues post colour coding.

*WINCH INSTALLATION

A winch with a pull capacity of up to 12000 lb can be installed with the RIVAL Bumper. It is not advisable to exceed this pulling capacity since damage, injury or death may occur where the 12000lb recommended capacity is exceeded. There is a special license plate holder supplied with the bumper which will provide access to the winch.

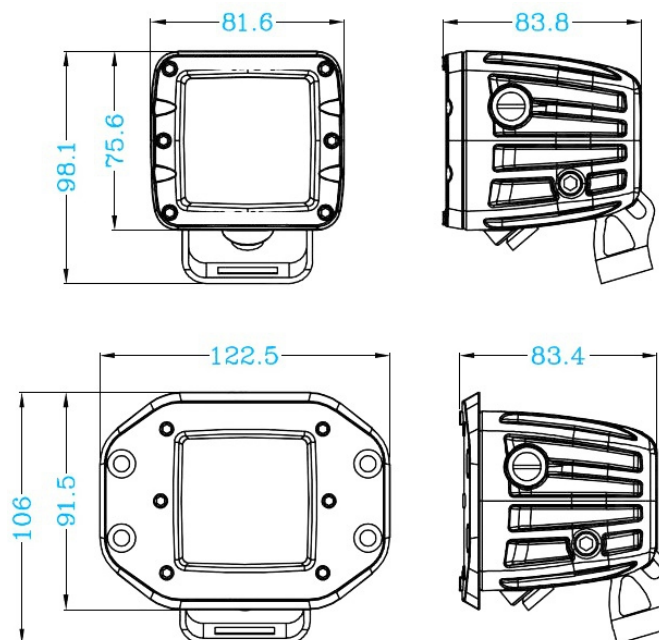
Winch measurements:



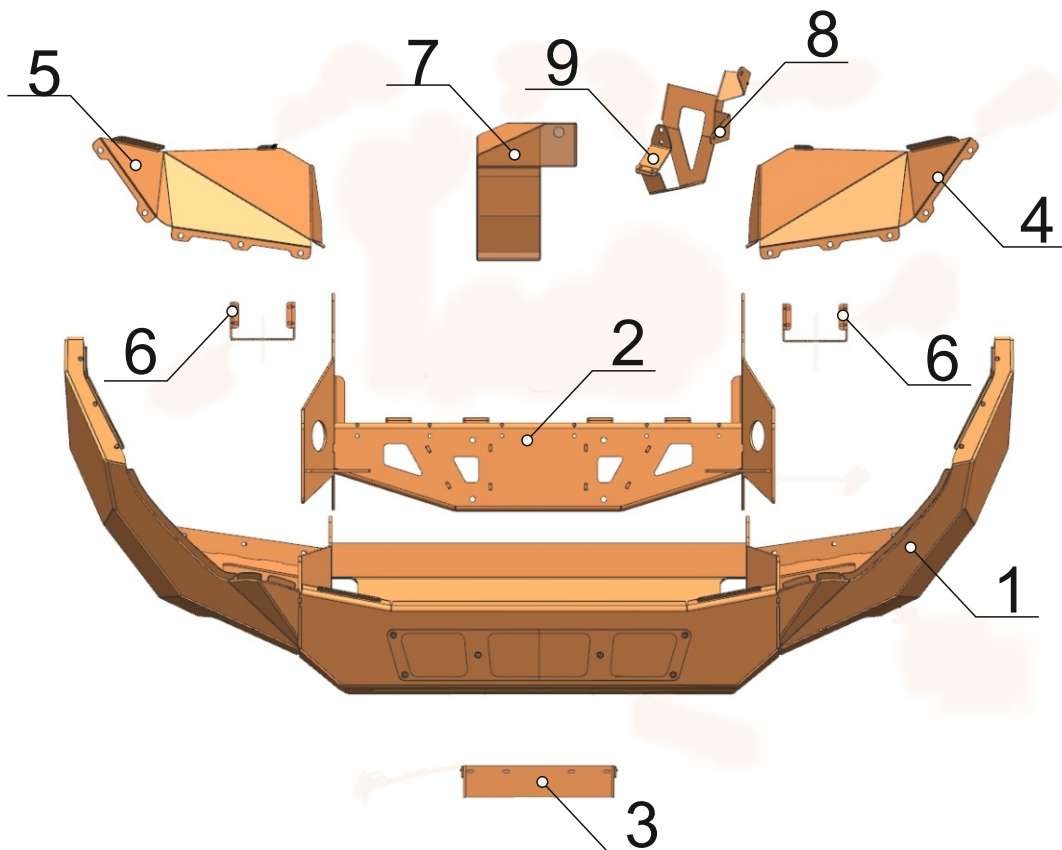
Winch size limits:

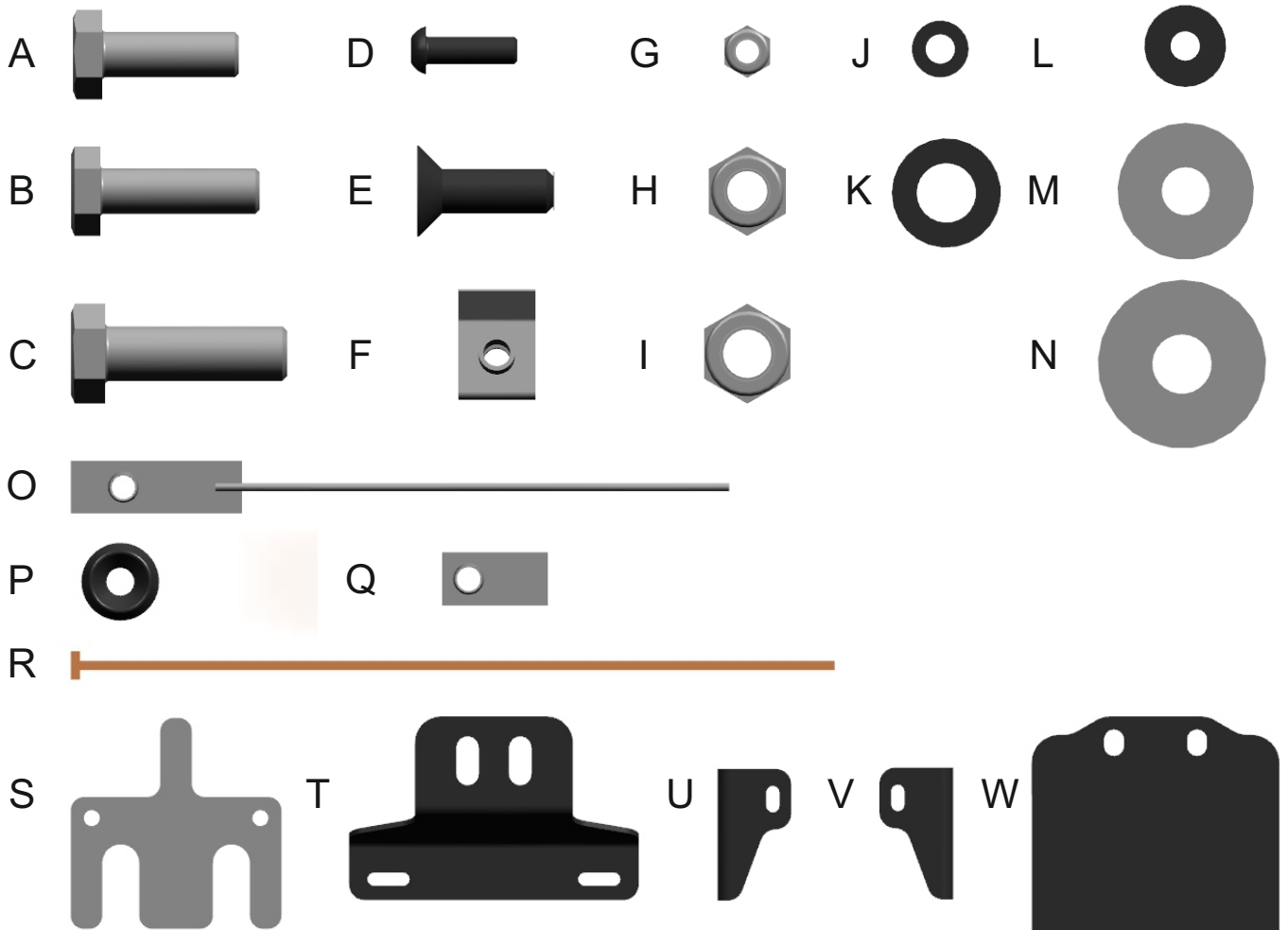
L 650 x W 210 mm x H 230 mm

Compatible with LED size below:



- 1. Facia assembly.....1 pc.
- 2. Bracket assembly..... 1 pc.
- 3. License plate.....1 pc.
- 4. Left flap..... 1 pc.
- 5. Right flap.....1 pc.
- 6. Light assembly bracket..... 2 pc.
- 7. Washer reservoir assembly..... 1 pc.
- 8. Bracket of reservoir 1.....1 pc.
- 9. Bracket of reservoir 2.....1 pc.





A.	Bolt M10x30.....	8 pc.
B.	Bolt M10x1,25x35.....	6 pc.
C.	Bolt M12x40.....	2 pc.
D.	Screw M6x20 round-head.....	28 pc.
E.	Screw M10x30 countersunk-head..	4 pc.
F.	U-nut M6.....	16 pc.
G.	Nut M6.....	4 pc.
H.	Nut M10.....	8 pc.
I.	Nut M12.....	2 pc.
J.	Washer 6.....	8 pc.
K.	Washer 12.....	2 pc.
L.	Washer penny 6.....	6 pc.
M.	Washer penny 10.....	22 pc.
N.	Washer penny 12.....	6 pc.
O.	Captive nut M10.....	2 pc.
P.	Countersunk washer.....	4 pc.
Q.	Captive nut.....	2 pc.
R.	Plastic ties.....	10 pc.
S.	Adjustment shim.....	4 pc.
T.	Central bracket of the grill.....	1 pc.
U.	Left bracket of radiator grill.....	1 pc.
V.	Right bracket of radiator grill.....	1 pc.
W.	Lamp plug.....	2 pc.

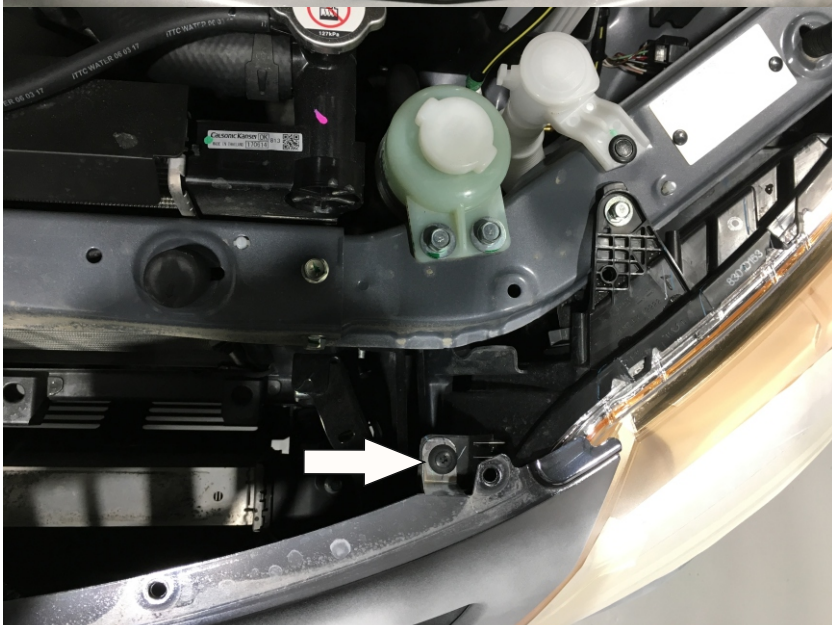


1. Open the hood.
Disconnect terminal “-” from the vehicle battery.



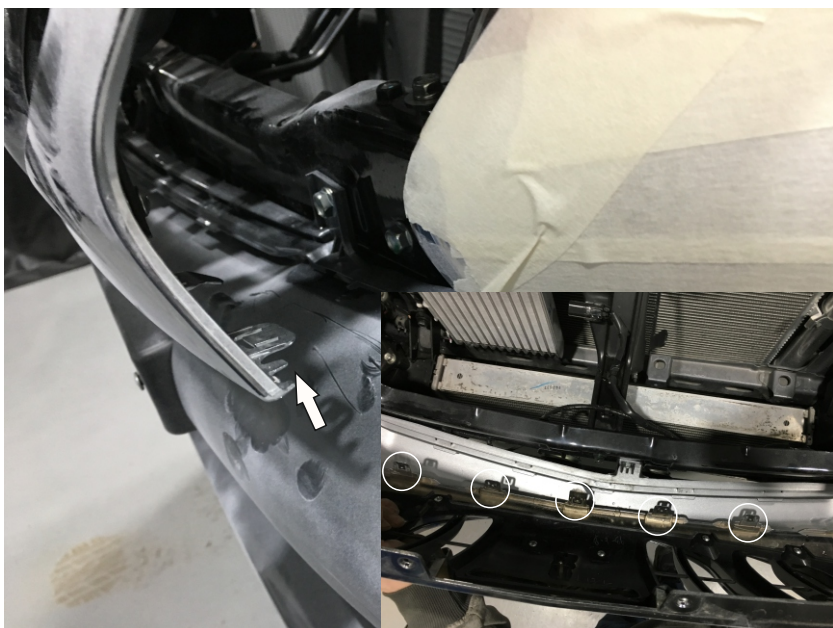
2. Remove the plastic pad clip.
Dismantle the clip.

****Preserve fittings for subsequent installation.***



3. Remove the radiator grill clips.

****Preserve fittings for subsequent installation.***



4. Dismantle the radiator grill. Carefully pull the grill edge by unlatching the latches.



5. Unscrew 3 tension bolts of the bumper.

****Preserve fittings for subsequent installation.***



6. Unscrew 4 bolts on each side of the vehicle arches.

****Preserve fittings for subsequent installation.***



7. Unscrew the splash guard self-tapping screw

****Preserve fittings for subsequent installation.***



8. Unscrew the self-tapping screw and remove the splash guard clips. Dismantle the splash guard.

****Preserve fittings for subsequent installation.***



9. Remove 3 clips at the bottom.

****Preserve fittings for subsequent installation.***



10. Mark the pad cutting line



11. Dismantle the wing plastic pad



12. Dismantle the plastic bumper



13. Disconnect wiring from the lights



14. Unscrew bolt and self-tapping screw of the plastic clamber. Dismantle the clamp.

****Preserve fittings for subsequent installation.***



15. Screw the lamp tension bolt back in.



16. Unscrew retaining nuts of the bracket and dismantle the bracket.

****Preserve fittings for subsequent installation.***



17. Dismantle plastic mudguards

****Preserve fittings for subsequent installation.***



18. Remove the clips of plastic deflectors.
Dismantle the deflectors.

****Preserve fittings for subsequent installation.***



19. Remove the washer reservoir tank filler. Disconnect wiring from the washer reservoir. Dismantle the washer pump.

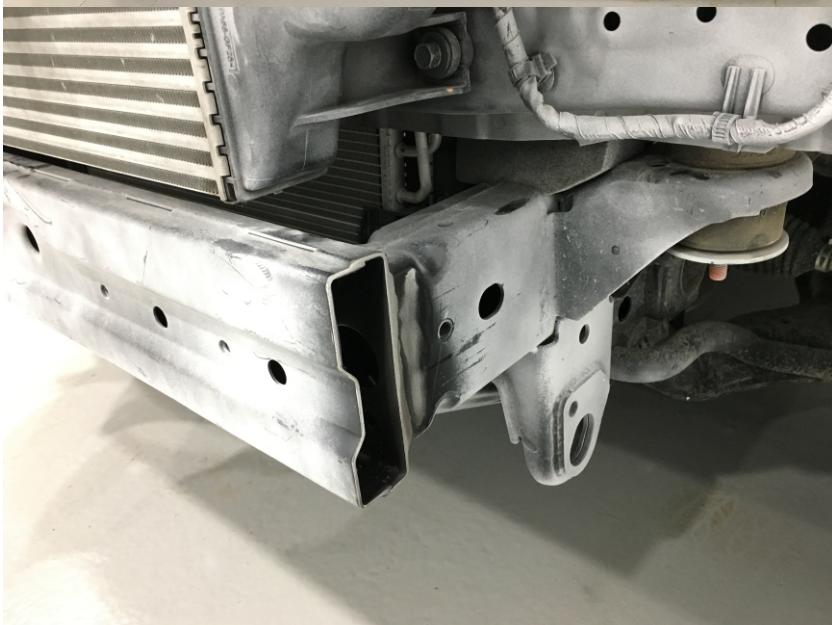
****Preserve fittings for subsequent installation.***



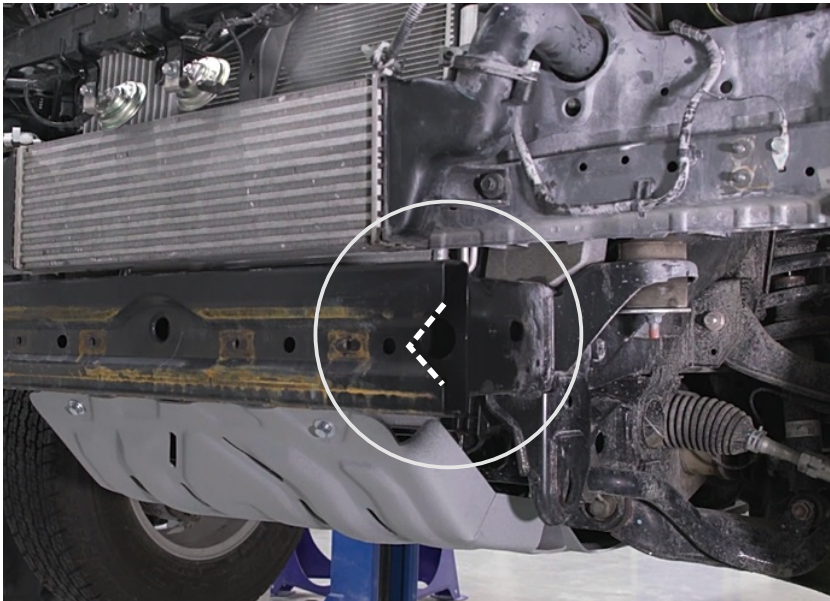
20. Unscrew 3 tension bolts of the washer reservoir. Dismantle the washer reservoir.



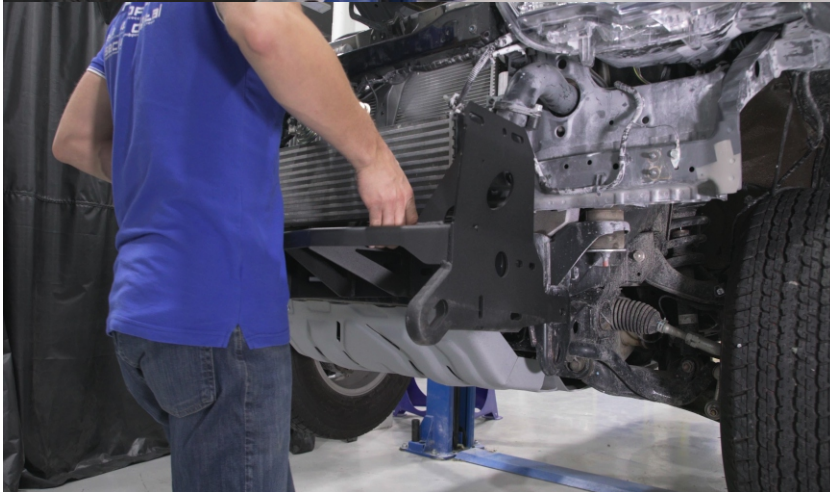
21. Mark the safety beam flush with the frame lateral surface.



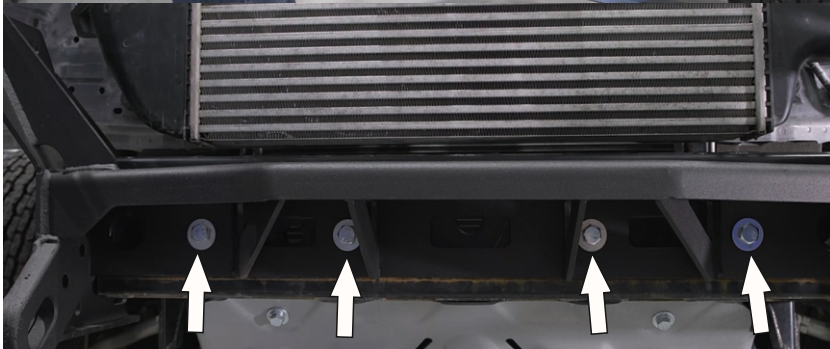
22. Cut off the safety beam side members



23. Make cutouts in the safety beam. Scarf and paint all trimming points.



24. Install the winch mounting bracket (2) onto the vehicle.



25. Screw 4 bolts M10x1.25x35 (B) in threaded holes on the beam front.

***Do not tighten the screw joints**



26. Insert the captive nut (O) inside the frame

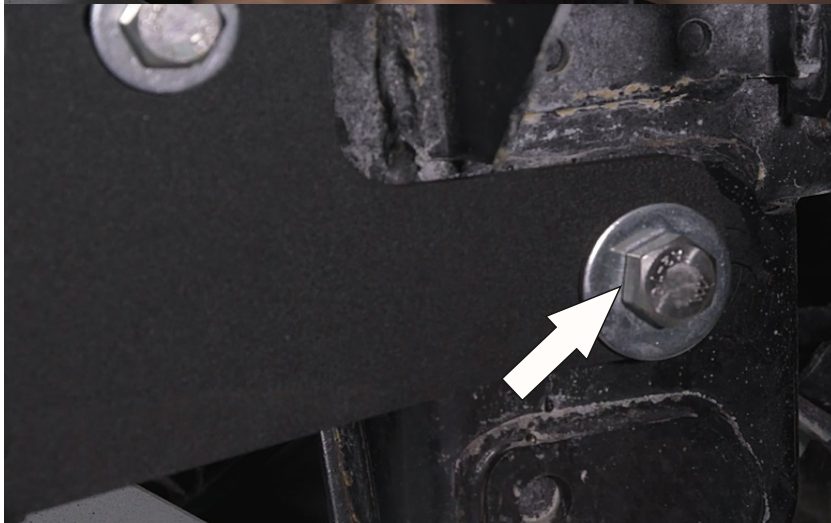


27. Screw bolt M10x1,5x35 (B) in the embedded part and bolt M10x1,25x35 (B) in the beam hole.

***Do not tighten the screw joints.**

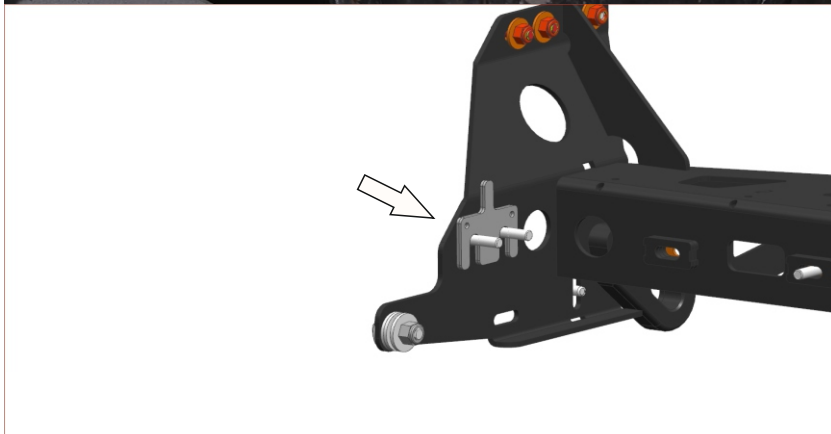


28. Place 2 washers penny 12 (N) between bracket and frame on each side.

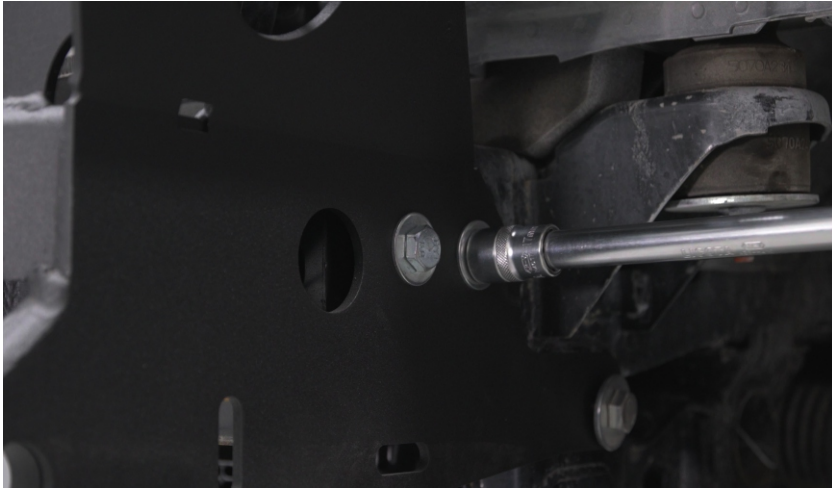


29. Insert bolt M12x40 (C) in the hole and screw on nut 12 (I) and washer penny 12 (N) the other way round.

***Do not tighten the screw joints.**



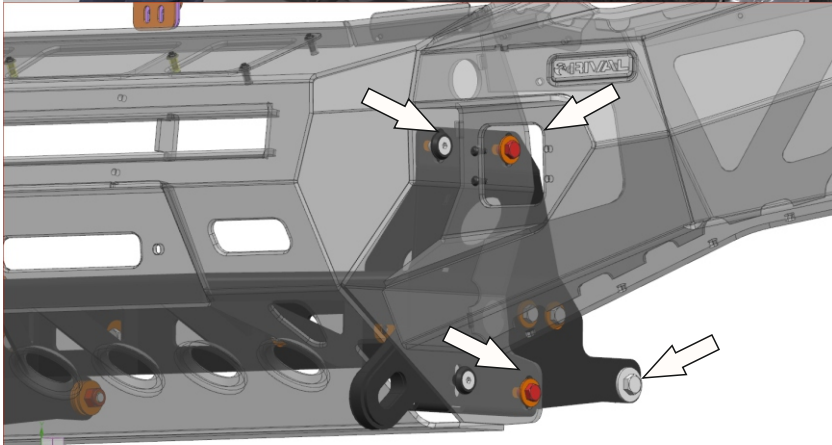
30. Insert 2 adjustment shims (S) on both sides of the bracket.



31. Tighten all screw joints of the bracket to the vehicle frame.



32. Install aluminum fascia (1) onto the bracket.



33. Screw in the bolts which connect fascia and bracket

***Do not tighten the screw joints and ensure fascia mobility.**



34. Adjust the bumper position in relation to the vehicle body. Where applicable, ensure even clearance of 15-22 mm. If required, move the bumper in cross direction, return to paragraph 29 and reposition adjustment shims.

35. Tighten all screw joints of the fascia fastening to the bracket.



36. Install lights onto the brackets.



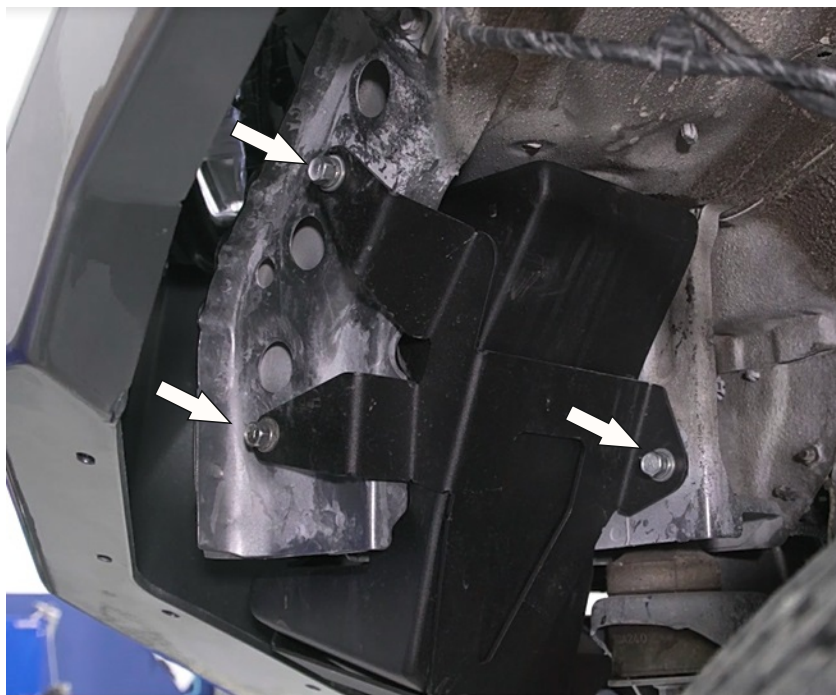
37. Install the lights into the bumper using 4 screws M6x20 (D) by adjusting their position.



38. Displace rubber sealants, filler pipe and pump out of plastic washer reservoir. The level sensor is not installed.



39. Install the washer reservoir bracket (9) at the front of the body using standard fittings.



40. Install the washer reservoir (7) using the bracket (8) and standard fittings.



41. Draw tight 2 mounting brackets of the reservoir using screws M6x20 (D), nuts 6 (G) and washers 6 (J).

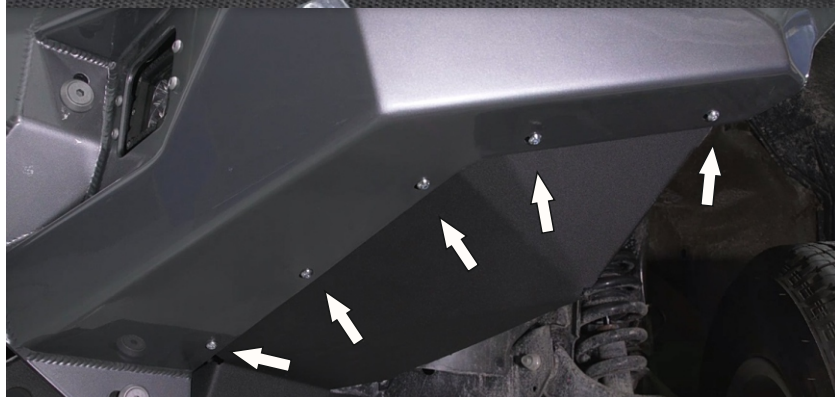
42. Tighten all screw joints of the reservoir fittings to the vehicle body.



43. Connect wiring to the reservoir pump. Secure wiring and the washer hose by plastic clamps. Install filler port in reverse order.



44. Install caged nuts (F) onto the flap (4, 5).

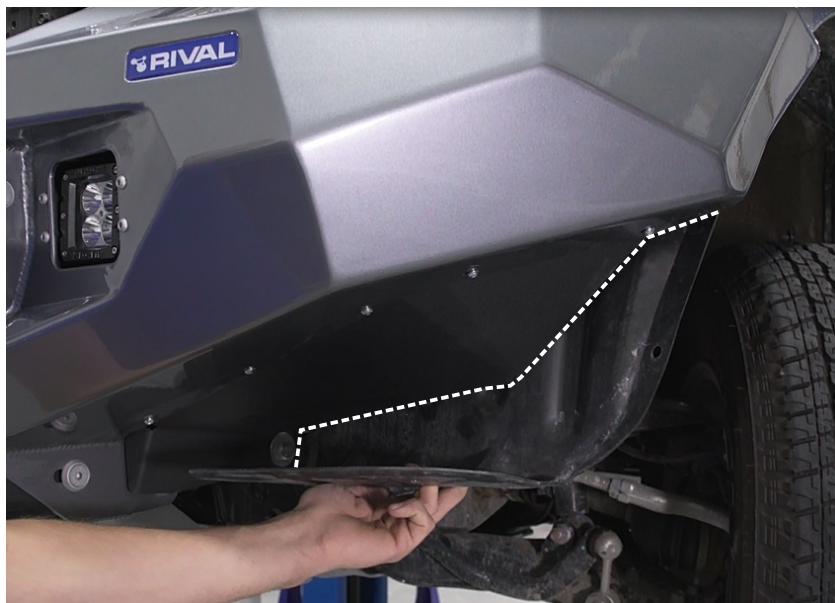


45. Install the flaps onto the vehicle using screws M6x20 (D).



46. Cut out part of the mudguard as shown on the left.



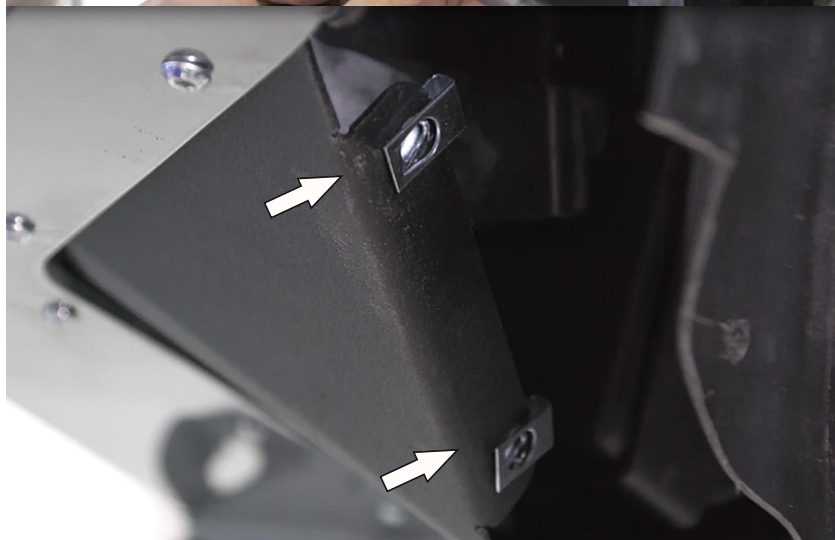


47. Install mudguards onto the vehicle and mark the cutting line.

48. Dismantle the mudguard and cut it down the marked line.



49. Install the mudguard onto the vehicle, mark drilling points opposite the holes of the flap and drill the flap holes.



50. Install caged nuts (G) onto the flap (5, 6).



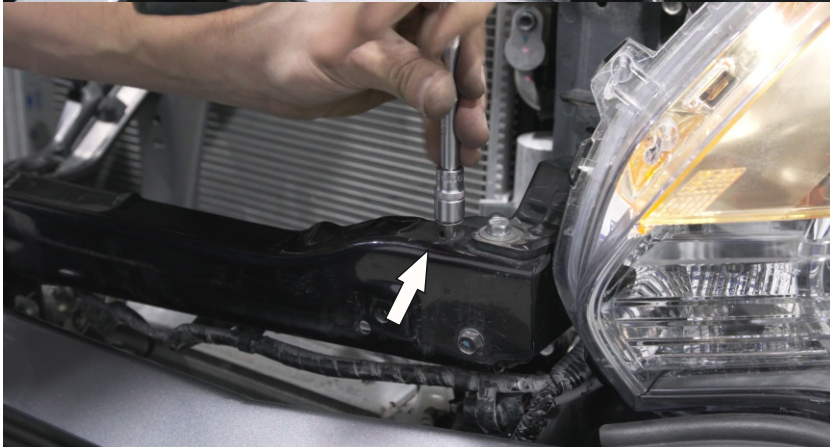
51. Secure mudguards to the flaps using screws M6x20 (D) and washers 6 (L).



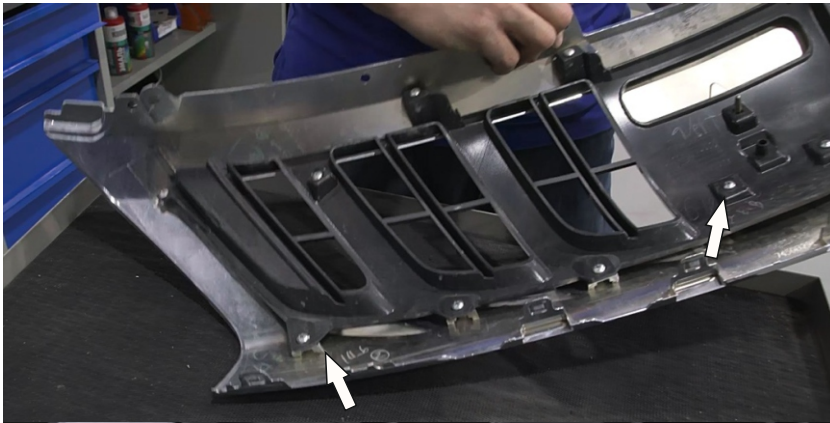
52. Cut down the marked line and install side pads and splash guards onto the vehicle in reverse order.



53. Install central mounting bracket of the radiator grill (T).



54. Unscrew bolts on each side.



55. Unscrew specified screws on each side of the radiator grill.



56. Fasten the side brackets (U, V).



57. Install the radiator grill onto the vehicle. Fasten the side brackets. Use standard fittings.



58. Fasten the central bracket (T).



59. Install plastic pad in reverse order.



60. Connect terminal “-” of the battery.

Before operating a vehicle fitted with a RIVAL Bumper:

- make sure all fittings are tightened
- check winch operation
- check all electrical wiring attached to lights

