

INSTALLATION MANUAL

PRODUCT: REAR BUMPER
MODEL: FORD RANGER (2011-2015)
FORD RANGER (2015-)
PART NO: 2D.1811.1



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.

FORD RANGER REAR BUMPER

Item:	2D.1811.1
Make:	Ford
Model:	Ranger
Year of manufacture:	2011-2015, 2015-
Material:	Aluminum/Steel
Dimensions:	1720x720x260
Weight:	54kg 56kg(with a set of lights)



SAFETY NOTICE

- * The bumper is designed for operation under conditions specified by the car manufacturer.
- * During operation the events of large obstacles and objects encounter while driving.
- * In case of the obstacle encounter please make sure that there is no damage to the components and assemblies of the vehicle and suitability of the bumper for further operation.
- * Operation of the bumper or components hereof is not allowed. In case of damage t the bumper or components hereof please contact the nearest RIVAL dealer.
- * It is not allowed to operate the bumper with loose fittings.
- * It is necessary to perform regular inspection of design and fittings integrity, fittings tightening and lack of damage to wire insulation.

INSTALLATION NOTICE

- * The bumper should be mounted in strict compliance with this procedure in specialized service centers.
- * During installation it is required to use personal protective equipment.
- * Do not install this bumper onto the vehicle models other than those specified herein.

REQUIRED TOOLS

- * Basic tool kit
- * Cross-recessed drives
- * Torque wrench

TORQUE SETTINGS

- * M6 - 9 H·m, * M10 - 44 H·m, * M12 - 77 H·m.

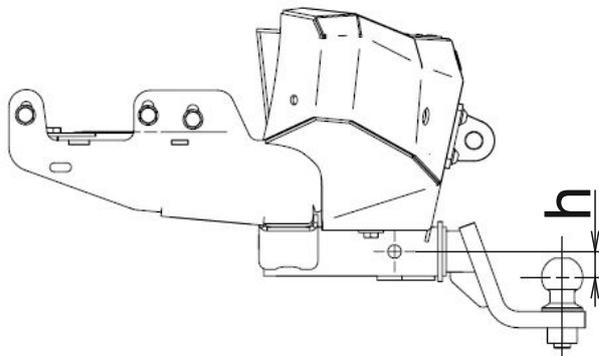
*TOW BAR INSTALLATION

The bumper design provides for installation of the American-style tow bar – square 2 (50.8 mm).

Maximum allowable vertical static load on the tow bar should be not more than 100 kg, irrespective of the trailer total weight.

Maximum total weight of the towed trailer:

Distance h, mm	Trailer weight without braking mechanism, kg	Trailer weight fitted with braking mechanism, kg
0-35	1000	2500
36-80	750	1700



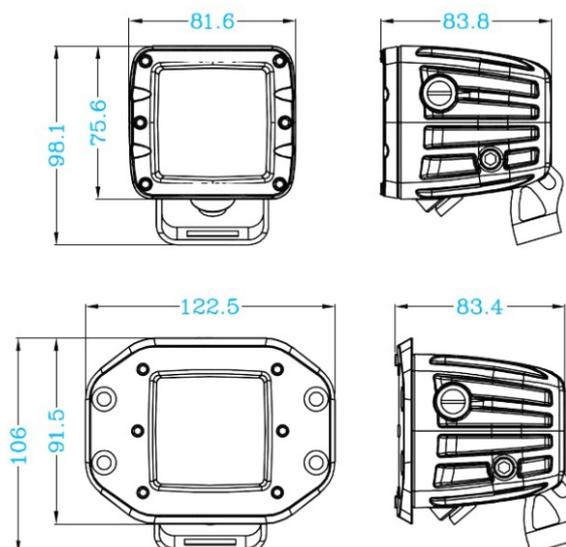
Caution!

Towing of the trailer which is incompliant with specified requirements may result in damage to tow bar or bumper.

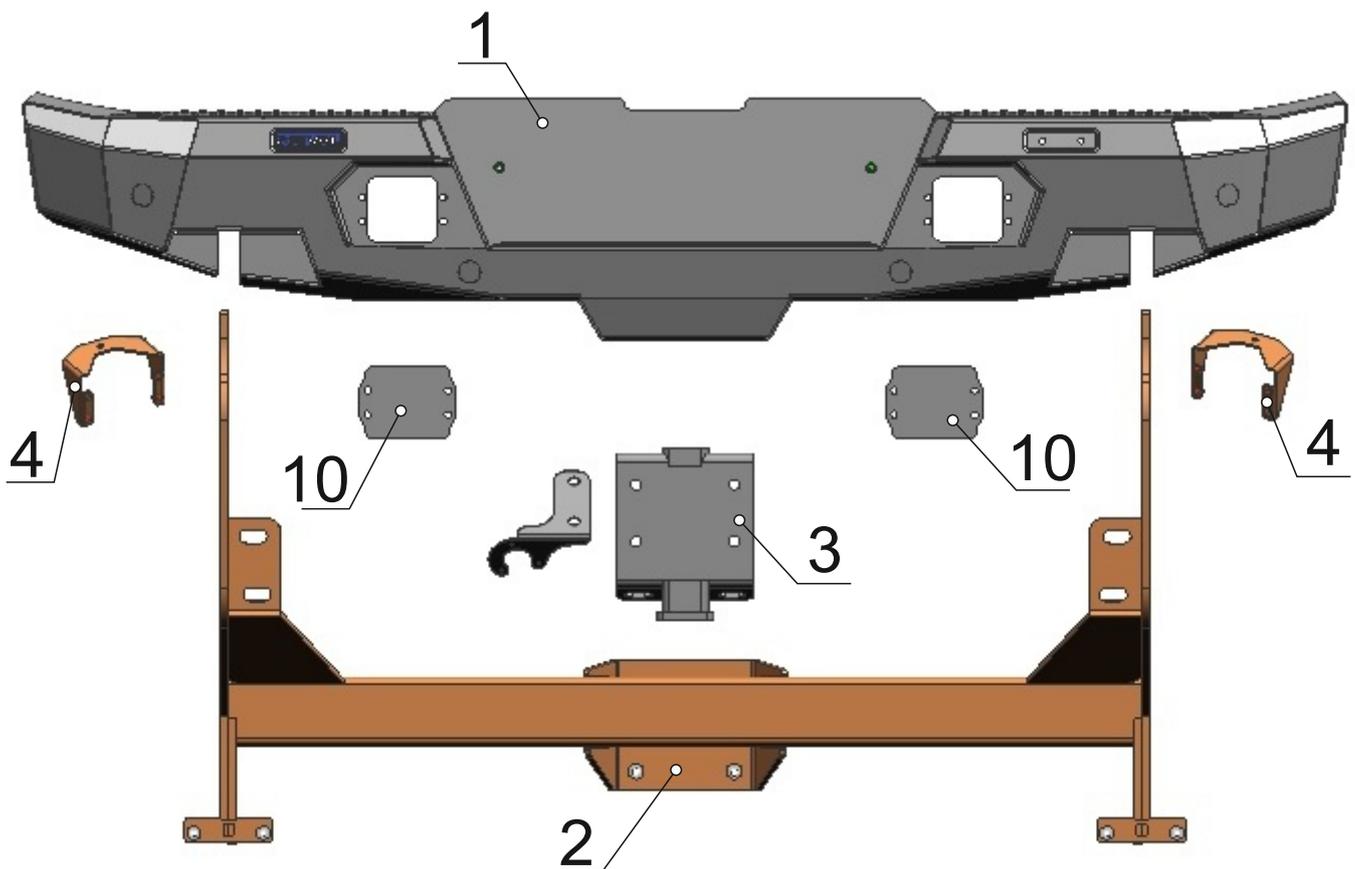
*LIGHTS

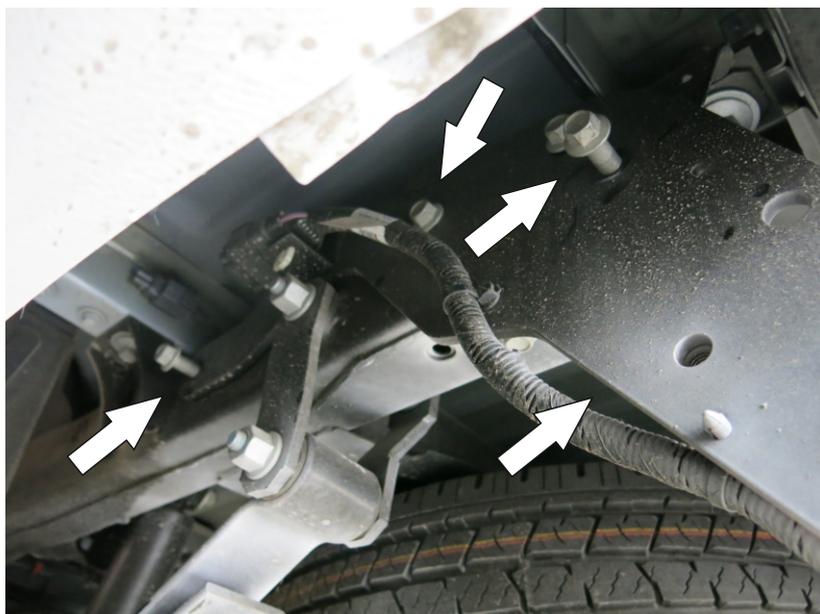
The bumper provides for the light mounting points.

Overall dimensions of the lights under installation:



- | | |
|--|-------|
| 1. Bumper facia..... | 1 pc. |
| 2. Bumper bracket..... | 1 pc. |
| 3. Tow bar square..... | 1 pc. |
| 4. Light bracket..... | 2 pc. |
| 5. Light (depending on the parts listing)..... | 2 pc. |
| 6. Cup-shaped head screw M6x16..... | 8 pc. |
| 7. Cup-shaped head screw M10x30..... | 4 pc. |
| 8. Washer 6..... | 8 pc. |
| 9. Washer 10..... | 4 pc. |
| 10. Light cover..... | 2 pc. |
| 11. Bolt M12x40..... | 4 pc. |
| 12. Washer 12..... | 4 pc. |
| 13. Socket bracket..... | 1 pc. |
| 14. Adjustment shim..... | 4 pc. |
| 15. Screw M5x16..... | 4 pc. |
| 16. Nut M5..... | 4 pc. |
| 17. Washer 5..... | 4 pc. |





1. Unscrew tension bolts of the standard under-run bar the left and right of the vehicle frame. Dismantle the bumper.



***Paragraphs 2 and 3 for vehicles with rear park system:**

2. Remove gages from the bumper and detach the connectors.

3. Remove wiring from the bumper.



4. Install the lights (pos. 5) onto the brackets (pos.4). Align the position of lights and tighten screw joints.



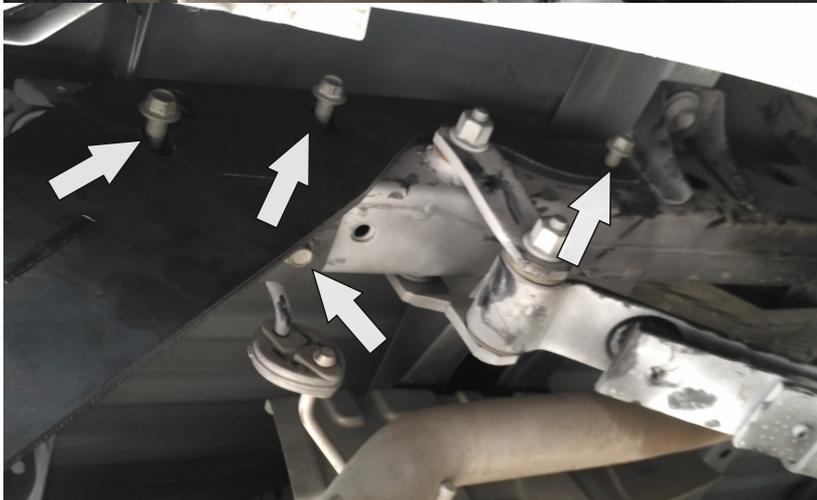
5. Install lights and brackets into the bumper facia using screws M6x16 (pos.6) and washers 6 (pos. 8). Adjust the position of lights.



5. Unscrew self-tapping screws of the license plate lamps.



6. Install two standard tension bolts of the bumper far away from the bumper. Screw in with several revs.



7. Install the bracket onto completed bolts. Secure it using standard tension bolts of the bumper.



8. Install the bumper fascia (pos. 1) onto the bracket and secure it in the towing eye area using screws M10x30 (pos. 7) and washers 10 (pos. 9).



9. Install the tow bar square using bolts M12x40 (pos.11) and washers 12 (pos.12) on two sides. Tighten all screw joints.



*10. Install license lights into the fascia. Secure with screws M5x16 (pos. 15), nuts M5 (pos. 16) and washers (pos. 17).

**The license lights are not included in the delivery set.*

Before operating the vehicle with RIVAL bumper:

- ***make sure that all screw joints are tightened;***
- ***check connecting wires of the fog lamps.***

