



**VEHICLE MODEL: FORD RANGER-MAZDA BT50**  
**PART DESCRIPTION: CLASSIC, URBAN & WINCH BUMPER**  
**SUITED VEHICLES: 2011 ON MODELS**

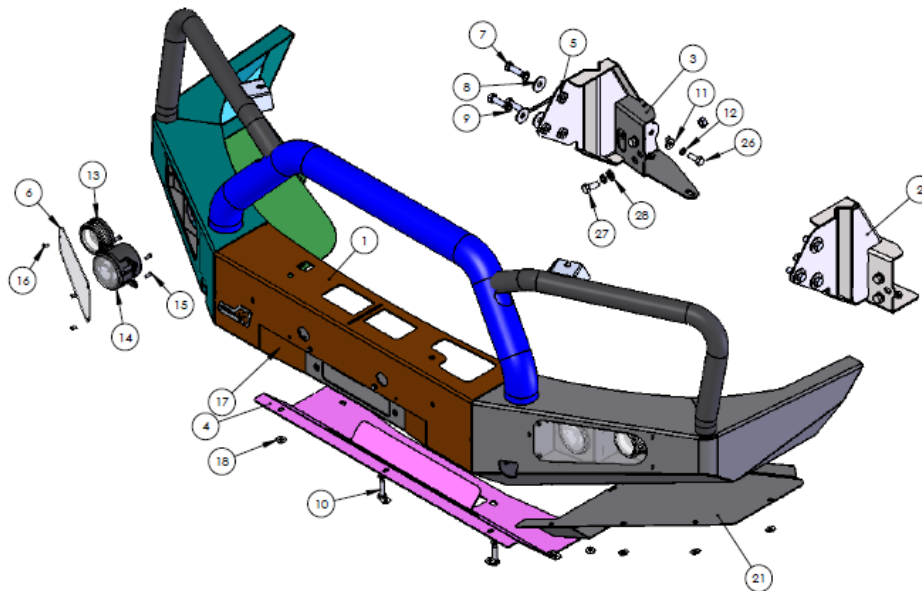


***PLEASE READ BEFORE INSTALLATION.***

- When installed in accordance with these instructions, the front protection bar does not affect the operation of the vehicles SRS airbags.
- This product must be installed exactly as per these instructions using only hardware supplied.
- Take a few moments to read instructions thoroughly before beginning work.
- In the event of damage to any bar component please contact Uneek 4x4 in regards to repair/replacement of components.
- Do not use this product for any vehicle make or model other than that specified on these instructions.
- Do not remove labels from this product.
- This product and its fixings must not be modified in any way unless stated in these fitting instructions.
- The installation of this product is recommended for trained personnel.
- These instructions are correct at time of publication. Uneek 4x4 cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer.
- During installation it is the duty of the installer to check correct operation/clearances of all components.
- Supplied tow points are designed as tow points only. Use in a recovery operation will be at operator's risk.
- Installation time:
- Vehicle specific notes: A flip up license plate kit may be required. Optional Narva 90862 license plate light.



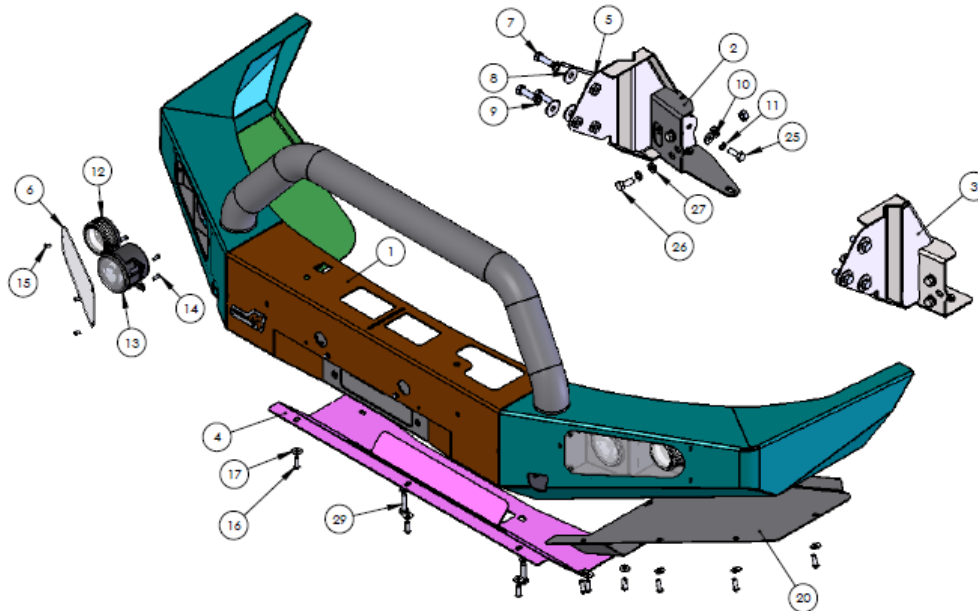
## COMPONENT VIEW AND PARTS LIST - CLASSIC



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FR-FB-11C-ASM1	FORD RANGER WELDED ASSEMBLY	1
2	03-0131L	BRACKET ASSY CHASSIS MOUNT RANGER	1
3	03-0131R	BRACKET ASSY CHASSIS MOUNT RANGER	1
4	09-0042	PANEL ASSY CENTER RANGER	1
5	04-0086	ASSY M10 ROOT NUT PLATE	2
6	12-0010	COVER PC FOG LIGHT	2
7	M12X40X1.75	M12 X 40 X 1.75 BOLT	6
8	M12 FW X 37	M12 FLAT WASHER LARGE	6
9	M12 SW	M12 SPRING WASHER	14
10	M10X40X1.5	BOLT M10 X 40	2
11	M10FWX25	M10 FLAT WASHER X 25MM WIDE	6
12	M10SW	M10 SPRING WASHER	4
13	AUTO 8 LED	LED INDICATOR/PARKER	2
14	CARWAY DRL	DRL FOG LIGHT	2
15	M5X15 PSCREW	M5 X 15 PH SCREW	8
16	M5X10 PSCREW	M5 X 10 PH SCREW	6
17	M8X25 BHCS	M8X25 BUTTON HEAD CAP SCREW Z/P	15
18	M8 FW X 22	FLAT WASHER 8MM LARGE	15
19	M10X1.5N	M10 X 1.5 NUT	2
20	09-0063R	PANEL OUTER FORD RANGER	1
21	09-0063L		1
22	M6X20	BOLT M6 X 20	2
23	M6 FW	FLAT WASHER 6MM	2
24	M6 FN	FLANE NUT M6	2
25	U4X4 LOGO PLATE-1	LOGO PLATE-1	1
26	M10X30	M10 X 1.5 X 30MM BOLT	2
27	M12X30X1.75	BOLT M12 1.75 PITCH	8
28	M12 FW	M12 FLAT WASHER	16
29	M12X1.75N	M12 X 1.75 NUT	8



## COMPONENT VIEW AND PARTS LIST - URBAN

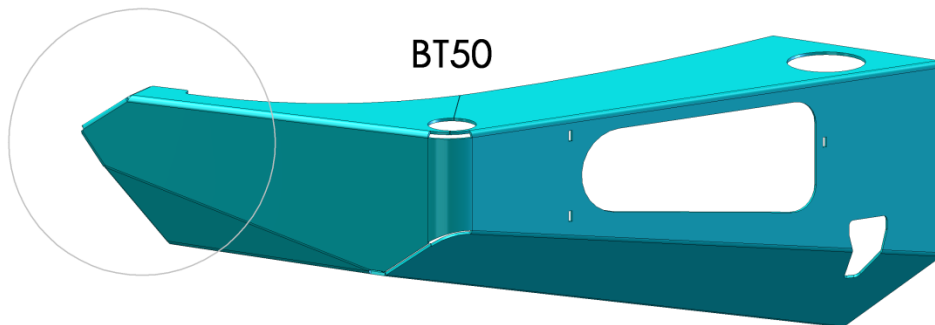
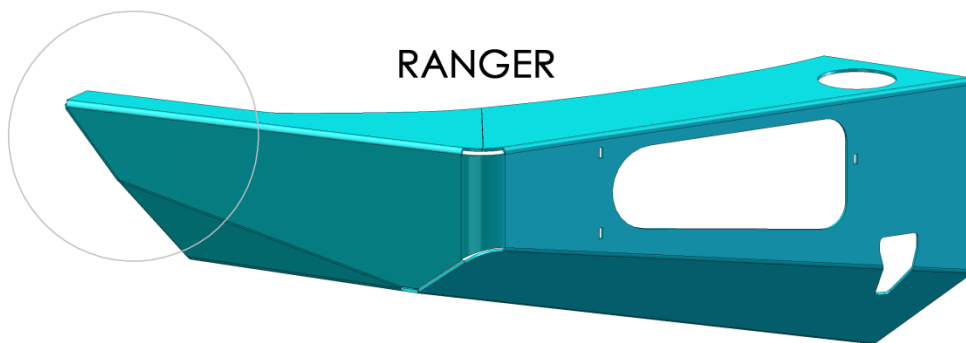


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15	MSX10 PSCREW	M5 X 10 PH SCREW	6
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**Also supplied is BT-50 bumper cut outline template PDF.**








**Please note the following differences between the Ranger and BT50 wings.**





**PLEASE NOTE THE FOLLOWING SYMBOLS WHEN FITTING**

	<b>EYE &amp; EAR PROTECTION REQUIRED</b>
	<b>DRILLING REQUIRED</b>
	<b>TWO PERSON LIFT REQUIRED</b>
	<b>TORQUE SETTING</b>
	<b>CUTTING OR GRINDING REQUIRED</b>

**FASTENER TORQUE SETTINGS:**

**M6 – 9Nm (4lb ft)**

**M8 – 22Nm (16lb ft)**

**M10 – 44Nm (32lb ft)**

**M12 – 77Nm (57lb ft)**

**TOOLS REQUIRED:**

**BASIC TOOL KIT: Soldering iron or electrical in-line connectors.**

**Male and female spade terminals. Jigsaw or air hacksaw.**

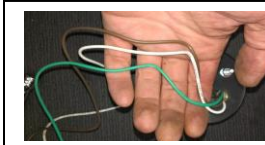
**Drill and drill bit kit.**



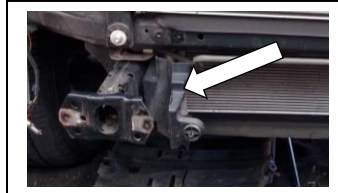
1. Remove plastic panels under bumper, bumper, fog lights if fitted, grille and steel bumper support. Retain bolts from bumper support. Remove front bash plate.



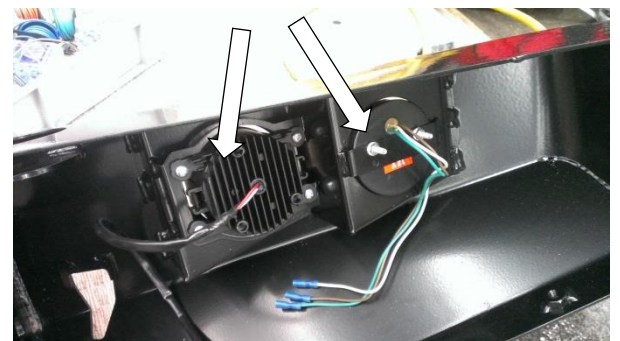
2. Cut supplied indicator/parker light wires in half. Locate park, indicator and earth on vehicle lights and attach wires that were cut using soldering iron or Narva 56015BL connectors. Once this is done attached female spade terminals to other end of wires. Re-fit headlights.



3. Remove any air deflectors near chassis rails. Loosely fit impact absorbers to bar using original M10 bolts and supplied M12 x 40 bolts, spring washers, two small M12 flat washers per bolt and an M12 nut.

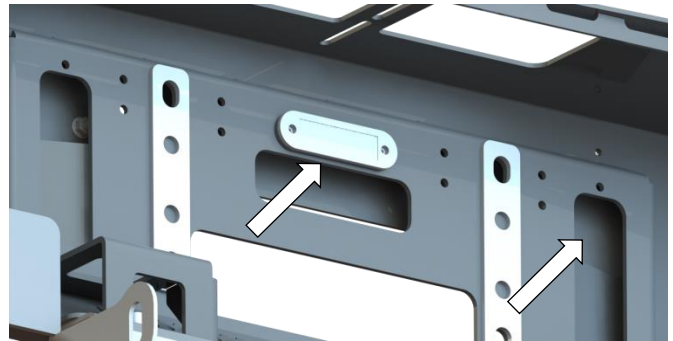


4. Fit supplied fog light and park/indicator to bar. The fog lights will use the longer M5 fasteners supplied in the bar fitting kit. DO NOT USE SUPPLIED FASTENERS IN FOG LIGHT BOX. Fit center tube to bar using M12 socket head cap screws and spring washers.

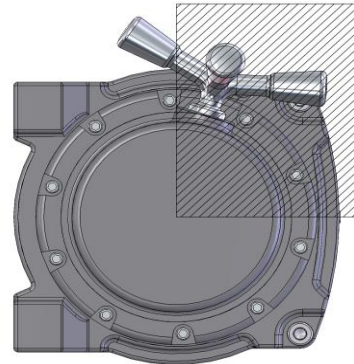




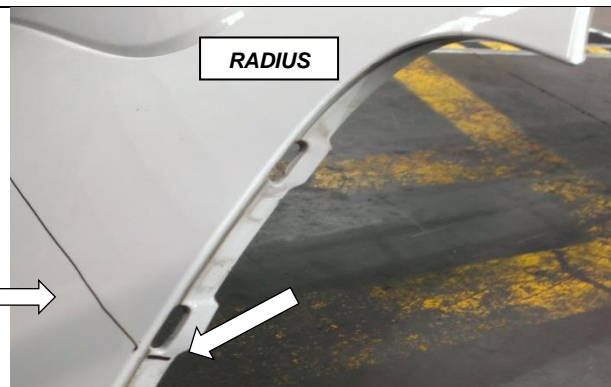
5. Install optional winch light and rout cable to either side of bar. Run cable through access (arrow) hole and cable tie to holes provided.



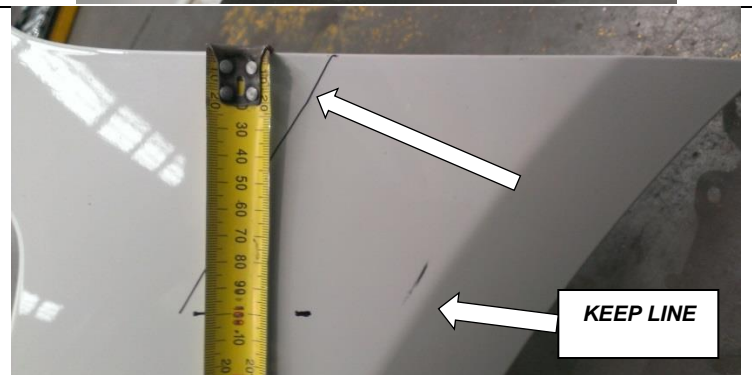
6. If fitting a winch do so now. The clutch handle will need to be positioned in an area as shown.



7. **Ford Ranger bumper cut procedure.** Mark a line as shown just after the second mounting hole from the large radius.



8. From the previous marked point measure down the bumper 100mm. Draw a line straight down 100mm trying to keep it parallel with the wheel arch mould line. Repeat these steps for other side.





9. Once these lines are marked place tape on bumper and across to other side as shown. Keep tape ABOVE the cut line to prevent scratching to bumper. Using a grinder or air hacksaw cut the bumper. Clean and de-burr any rough edges.



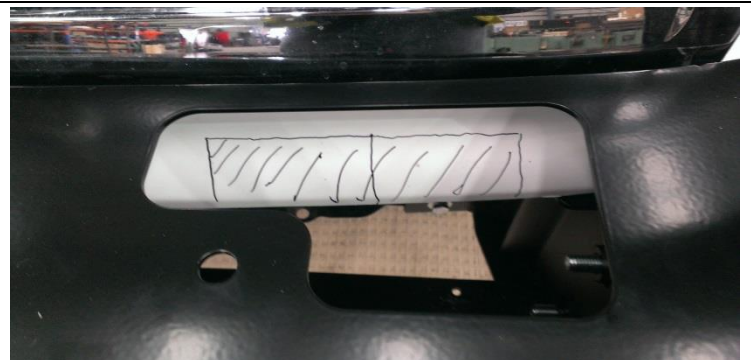
10. Place bumper back on vehicle and mark the plastic mounting bracket in line with the bumper cut. Un-bolt bumper mount and trim away the section being pointed to in the image.



11. Place bumper back on vehicle. Loosely attach bar using M12 x 40 x 1.75 bolts, spring washers and large flat washers. Allow a 10-15mm gap as shown in each corner. Do not fully tighten bar.



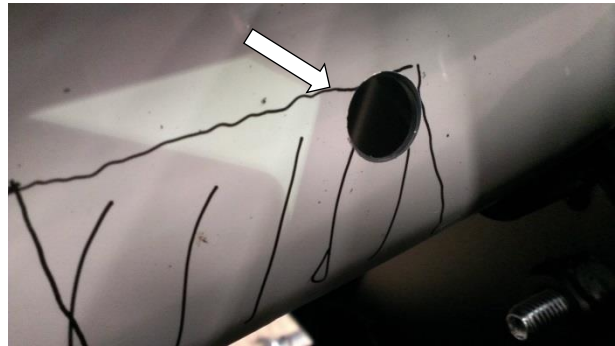
12. Mark a cut out on the bumper through the winch access hole as shown. This will allow more room to access the clutch handle. Remove bar when marked.



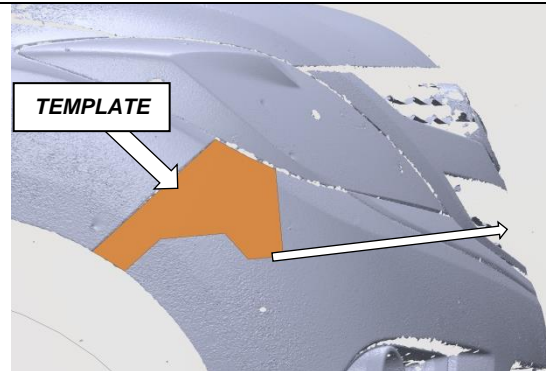




13. Make a hole in each corner of the marked position using a step drill or large drill bit. Cut away marked section and de-burr any rough edges. Once complete proceed to step 17 .



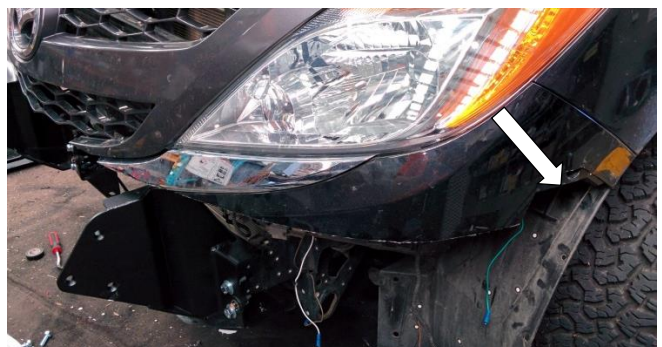
14. **BT50 Bumper cut.** Using template supplied at the rear of these instructions cut template out and place on RH side of bumper. Mark cut line and continue it across bumper. Repeat for RH side.



15. Cut bar after joining both marked template positions. De-burr when done. Cut the grille as shown to clear a winch if fitted.



16. Fit temp sensor to crossmember as shown inset. Place bumper back onto vehicle. Fit rubber pinch weld to edges of bar.

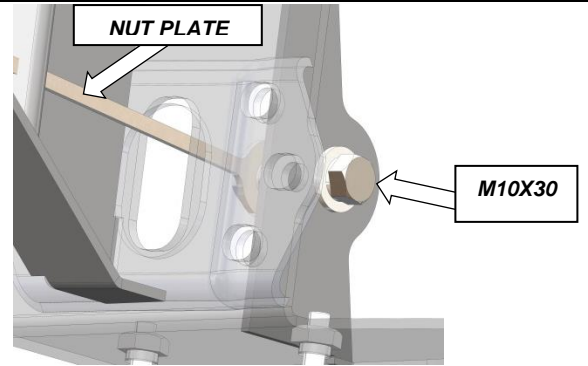




17. **Fitting both models:** Finish installing the chassis mounts by place the M10 nut plates into the holes of the chassis rails. Secure using M10 x 30 bolts, spring washers and flat washers. Tighten all bolts.



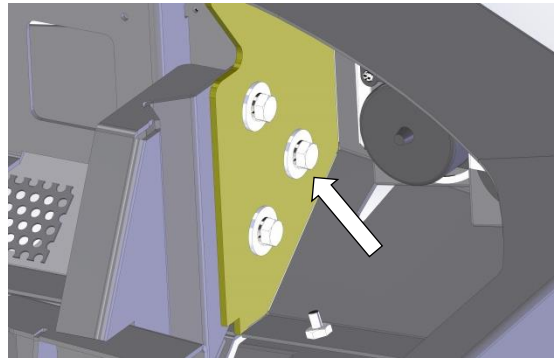
**M12-77Nm M10-44Nm**



18. Attach the bar to the impact absorbers using M12 x 40 bolts, spring washers and large flat washers.



**M12-77Nm**



19. Adjust bar on vehicle maintaining a minimum 10mm gap between bumper cut or rubber pinch weld. When happy with position tighten all mounting bolts.



20. Complete the install of the lights. You can use the original fog light wires if fitted or use the fog light wiring loom supplied making sure they are hooked up to the parker light circuit. Make sure all lights work before fitting stone guards. Complete wiring of winch if fitted and any other accessories.

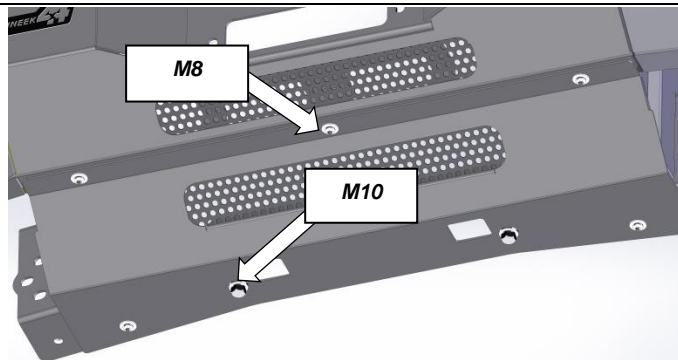




21. Attach center stone guard using M8 button head cap screws and flat washers. Attach lower middle holes to factory stone guard using M10 x 40 bolts, spring washers, flat washers and nuts. A spanner can be placed inside the access holes next to fastener positions.



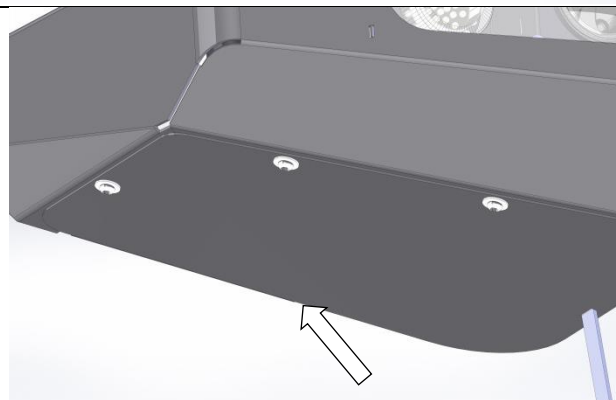
**M10-44Nm M8-22Nm**



22. Loosely fit outer stone guards using M8 button head cap screws and flat washers. Mark inner guard liner using lower edge of stone guard as a guide. Remove stone guard and trim plastic. De-burr. Fit outer guards and tighten. Place plastic liner over lip of stone guard when complete.



**M8-22Nm**



23. Fit clear covers to lights using short M5 screws. Do not over tighten.



24. Fit flip up license plate kit if needed. Clean bar with a soft rag.



