



Part No: **F808.1**  
 Product: **NUDGE BAR c/w Sensor Skirt**

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Fitting kit packed by: .....



**FITTING INSTRUCTION SHEET**

**Make:** 22+ Ford Ranger Next Gen  
**Model:** Wildtrak X 4WD Double Cab

**Random activation of forward parking sensors may not be a direct result of the fitment of this product and may be attributed to other external factors, as described in Ford Owner's Manual**

**COMPONENTS**

Qty	Fitting Kit	Checklist
2	M12 x 140 Standard Thread 8.8 Bolt	
4	M12 x 35 Standard Thread 8.8 Bolt	
2	M12 x 50 Standard Thread 10.9 Bolt	
14	M12 Heavy Duty Flat Washer	
8	M12 Spring Washer	
6	M12 Nut	
4	M10 x 35 Standard Thread 8.8 Bolt	
4	M10 Heavy Duty Flat Washer	
4	M10 Spring Washer	
2	M6 x 20 Pan Pozi Screw	
2	M6 Flat Washer	
2	M6 Nyloc Nuts	
2	AC134 Tube Spacer & Washer (16Ø tube x 64mm long c/w washer)	
2	AC137 Tube Spacer & Washer (21Ø tube x 32 long c/w washer)	
2	Cable Tie (298mm x 4.8mm)	
2	16mm Rubber Blanking Grommet	
1	P038 Sensor Cable Extension kit (Set of Two)	

Fitting kit checked & initialled above

Qty	Product
1	Nudge Bar c/w Sensor Skirt
1	NBF819 Steel Mount Set (d/side & p/side mount plate, & d/side & p/side angle bracket)

**Fitting this product involves numerous steps. It is important that each step is followed sequentially, and each step completed accurately. We recommend reading the entire instructions prior to installing this product**

## **INSTRUCTIONS**

### **1. Remove 2 x tow hook covers**

Remove 2 x screws per cover (use a T30 TORX Bit)

**Note:** Covers and screws are no longer required



### **2. Remove the steel sump guard**

Remove 4 x bolts (use a 15mm socket)



### **3. Remove 2 x centre, parking sensors**

- a) Reach in behind the bumper (this must be done by feel), spread the two locking tabs and push the sensors out (push from the front)
- b) Unclip wiring harness from bumper (1 clip per side) this provides extra length and allows the sensors to hang below the bumper
- c) Unplug the sensors and plug the cable extensions into the wiring harnesses (leave the cables hanging down)



### **4. Fit the rubber blanking grommets**

Fit the 16mm grommets into the old sensor holes



## 5. Install passenger side, angle bracket

- a) Remove the rear tow hook mounting bolt (use a 15mm socket)

**Note:** This bolt is no longer required



- b) Hold the angle bracket in position and fit the supplied M12 x 50 10.9 bolt with spring and flat washer (use an 18mm socket)

**Note:** Tighten bolt enough to hold bracket level, while still allowing bracket to swivel



## 6. Install driver side, angle bracket

Same process as passenger side (Step 3)



## 7. Install M12 x 140 bolt assemblies

- a) Slide an M12 washer onto each M12 x 140 bolt, then slide the AC134 tube spacer onto each bolt (washer end first)



- b) Insert assemblies into the driver side and passenger side chassis holes, located at the front end of the chassis

**Note:** Assemblies fit from the inside of the chassis with the bolts protruding through to the outside of the chassis, ready to support the mount plates.



## 8. Install driver & passenger mount plates

- a) Slide AC137 tube spacers onto protruding M12 bolts, tube end fits against chassis (washer-end will fit against slotted hole in mount plates)
- b) Position mount plates over protruding M12 bolts and up against spacer washer. Hold in place with flat washer, spring washer and nut. Tighten nut enough to hold mount plate, while still allowing side plate to move



**Note:** Side plates bend towards the outside

## 7. Adjust mount plates, fit M12 x 35 bolts

- a) Align slotted holes in mount plates with slotted holes in angle brackets.
- b) Set bottom of mount plates **10mm** up from bottom of angle brackets and parallel with bottom of angle brackets.

**Note:** A small clamp can be used to hold the position while fitting the bolts.

- c) Fit M12 x 35 bolts with flat washers, spring washers and nuts.



## 9. Check mount position & tighten M12 x 35 bolts

Ensure the measurement between the centre of the front hole and the front bumper is approximately **45mm** on both sides (adjust, if necessary, by moving the mount plates). Tighten M12 x 35 bolts.

**Note:** Torque setting for M12 bolts = 77Nm



## 10. Fit number plate to nudge bar

Remove number plate from vehicle and fit to 7mm holes in nudge bar (use 2 x M6 pozi screws, flat washers and nyloc nuts).



## 11. Clip parking sensors into holders

Fit the parking sensors into the holders (plug end, points to the outsides of the nudge bar). You will hear/feel a small click as the sensors lock into the holders.



## 12. Fit nudge bar to mount plates & tighten bolts

a) Hold nudge bar to mounts, align holes in mounts, with threaded holes in nudge bar. Loosely fit M10 x 35 bolts with spring and flat washers

b) Allow nudge bar to lean outward, attach the sensor plugs to sensors and secure wiring with cable ties (use 1 x cable tie per side, looped around steel mount and between the M10 bolts)



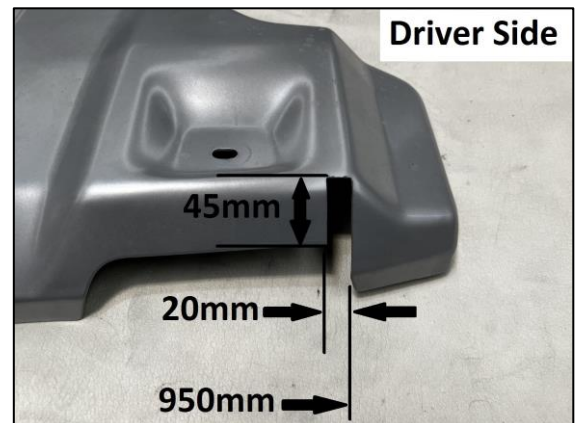
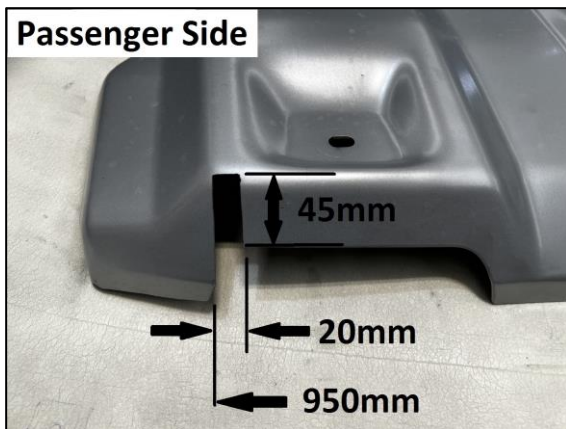
c) Align nudge bar with vehicle and set gap between back of nudge bar and plastic number plate holder at **5mm**. Tighten the M10 bolts (use an 16mm socket), then tighten the M12 x 50 & M12 x 140 bolts

**Note:** Torque setting for M10 bolts = 44Nm  
M12 bolts = 77Nm



### 13. Cut two slots in steel sump guard

- a) Use a pencil and mark the outside cut lines (lines are 950mm apart and vertical)  
Mark the inside cut lines (lines are 20mm in and parallel with the outside)  
Mark the end cut lines (lines are 45mm from edge)



- b) Mask around the cut lines to protect the paint
- c) Drill four x 3mm holes along the ends of the cuts
- d) Use a hacksaw and cut down both lines, stopping at the 3mm holes
- e) Bend/break-out the cut sections
- f) Remove the sharp edges with a file and paint the cut edges
- g) Remove masking tape when paint is dry



### 14. Re-fit sump guard

Re-fit the 4 x bolts

**Note:** Torque setting for M10 bolts = 44Nm

#### NOTES:

- Check that the kit contents are complete and undamaged prior to installation. Kit contents must be replaced with specified accessory components.
- Do not attach the bar to the vehicle using anchorages not intended for this purpose.
- Do not use the bar for any vehicle other than those specified by the bar manufacturer.
- Do not remove labels from the bar.
- Do not modify the structure of the bar in any way.
- We recommend that a rust preventative is applied where holes are drilled.
- The use of an alloy polish such as 'Auto Sol' is recommended for extra shine, however hot soapy water will also clean well.

