



**Strongest Built  
Australian Made  
Lifetime Warranty**

**PN: NBN113SY**



# **Fitting Guide & Owners Manual**

**NISSAN X-TRAIL**

**2022**

76mm NUDGE BAR  
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)  
FOR AIR BAG & ADR COMPLIANT VEHICLES

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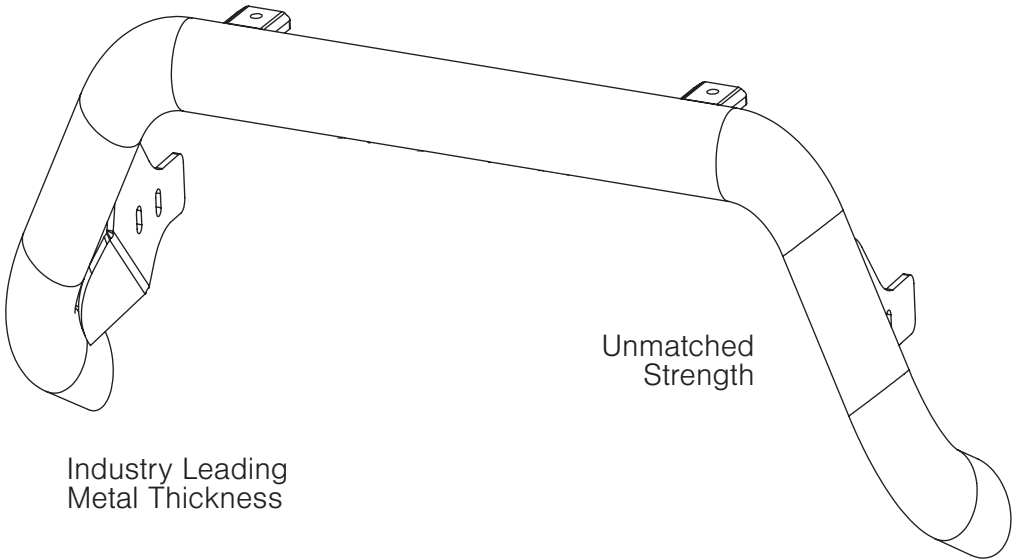
Notes

# The Features of ECB

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Rust Free

Hi-Tensile Alloy



Unmatched  
Strength

Industry Leading  
Metal Thickness

Fully Welded  
Construction

# ECB's Benefits

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## **Built to Perform - Not to a Price**

ECB are proud to claim that their channels are not jigsaw puzzles that are bolted together, or even multiple sections welded together. Where any welding is required, it is done to the highest standards by qualified welders, not machines.

## **Anti-Corrosive Nature of Alloy**

The composition of ECB's alloy has a very high resistance to corrosion. Rust not only looks unappealing but greatly reduces the strength of the metal. Rust can and will weaken the structural integrity of a steel bullbar effectively rendering it useless over time.

## **Australian Made**

Established in 1971, we utilise decades of experience designing, engineering and building products in Australia to suit Australian conditions. We can ensure the best quality controls and help support the local economy and employ over 90 proud Australians.

## **Weight Saving Benefits**

An ECB alloy bullbar is typically half the weight of a steel bullbar. Unnecessary suspension upgrades are not required. The reduced weight also contributes to increased fuel economy and less wear and tear on tyres, suspension and braking components.

## **Welds That Work**

ECB uses only the strongest welds and welding techniques to ensure every product is as structurally sound as possible. MIG (Metal Inert Gas) welding techniques are employed ensuring the welds are as thick as the thickest section of alloy's being joined together.

## **Lifetime Warranty**

ECB provide a lifetime warranty and consumer guarantee on all of our manufactured products. This guarantee highlights the confidence in our ability and provides complete peace of mind for your purchase for the lifetime you own your vehicle.

# Product Care

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## Polished Products

Being a premium mirror polished finish, regular maintenance will be required to keep that iconic ECB shine. We recommend using our own brand of Aluminium Polish. This formula has been tried and tested and in our opinion is the world's best standard.

**Directions:** Apply a small quantity of Aluminium Polish to a clean soft cloth and rub the metal surface. The longer the rubbing the brighter the surface becomes. Wipe off Aluminium Polish with clean soft cloth. Also suitable for motorised buffing machines. **Note: There are more specific details on the polish bottle. Please read before use.**

## Powdercoated Products

Our powdercoated finishes are very low maintenance. Infact there is actually very little you will ever need to do for this product. Just clean it as you would your car and it will stay looking good as new.

## ECB Aluminium Polish

When you're looking for that showroom finish look for your polished automotive products, you can depend on the no compromise quality of East Coast Bullbars Aluminium Polish. This specifically designed product is the best polish available and we guarantee that this \$#!+ works. Within our decades of manufacturing polished alloy products we have trialed a large range of different polishes on the market and believe without a doubt that nothing beats the finish quality of East Coast Bullbars Aluminium Polish.

East Coast Bullbars Aluminium Polish is excellent for use by hand and is ideal for polished bullbars, nudge bar and stainless steel products. This polish will clean, polish and protect your product from the elements whilst bringing your products back to that showroom finish look.



# NBN113SY

## Stage 1

- Test drive vehicle to ensure all driver assists are correctly working and to gauge effectiveness. Park on a flat level surface.
- Apply parking brake and lift bonnet.
- Unwrap ECB Protection bar and disconnect mounts. Discard bolts.
- Ensure these instructions are left with the vehicle owner / operator.



## Stage 2

### DISCONNECT BATTERY

- Remove top radiator cover, ten (10) clips.



## Stage 3

- Underside, remove six (6) push pull clips and seven (7) T20 Torx screws (per side).
- Remove outer lower side under guards.



# NISSAN XTRAIL

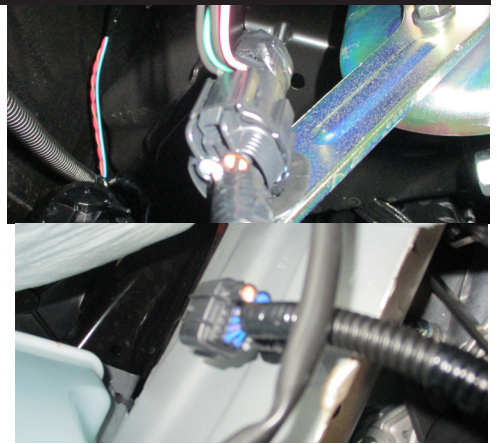
## Stage 4

- On inner lower guard, remove one (1) T20 Torx screw (per side), two (2) push pull clips half way up inner guard.
- Pull inner guard away from guard, reach in and unclip three (3) retaining clips to release outer flare.
- Carefully unclip outer flare from guard back two clips past guard bumper join.
- Remove one (1)10mm head screw per side from behind flare at guard join.



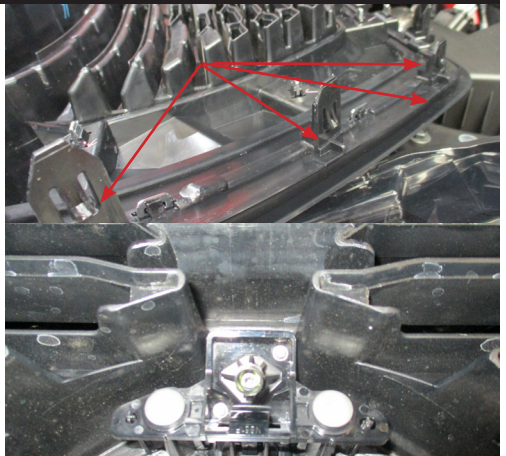
## Stage 5

- Disconnect fog light wiring connection, passenger side.
- On drivers side in engine bay near window washer bottle, disconnect parking sensors.



## Stage 6

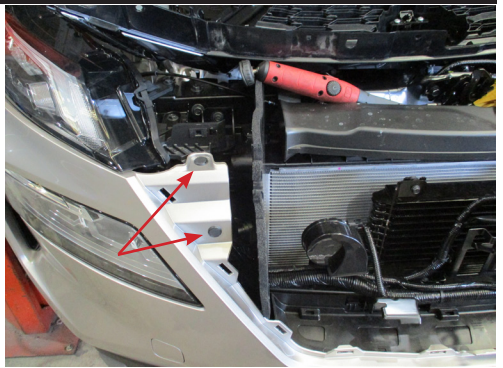
- Disconnect camera.
- Remove centre grille, release two (2) clips each side from top of grille. Release ten (10) clips by pulling out and releasing clip from underside.
- Remove camera, two (2) T20 Torx screws.



# NBN113SY

## Stage 7

- Top of bumper between head lights remove two (2) push pull clips per side.



## Stage 8

- Gently pull bumper away from guard, then forward from under lights. Remove bumper.



## Stage 9

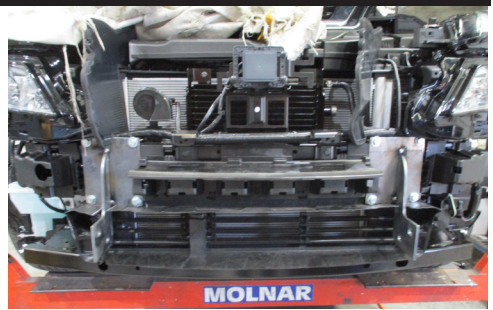
- Remove plastic bumper reinforcement cover, retain for refitment.



# Nissan Xtrail

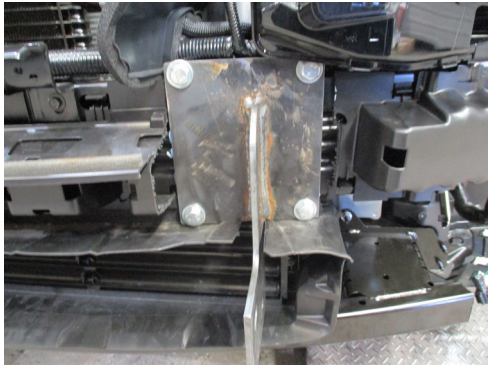
## Stage 10

- Place front mounting bracket to bumper support and 25mm steel plate to rear of support. Secure with M10 x 1.5 x 70mm bolt, flat washer, spring washer and nut. Finger tighten only.
- Take inside measurement of alloy mounts on protection bar. Set steel mounts so the outside measurement is same as inner measurement of alloy mounts. Centralise to vehicle. Tighten all bolts.
- Trim rubber flap above vent to suit mount.



## Stage 11

- Replace plastic cover over bumper support. This will need to be trimmed around steel mounting brackets.



## Stage 12

- Measure distance between mounting brackets and trim lower grille on bumper to suit steel mounts, using jigsaw or hacksaw.
- Mask around area to be trimmed to avoid any damage.



# NBN113SY

## Stage 13

- Remove two (2) center parking sensors, from bumper.
- Extend two (2) centre parking sensors harness 250mm with three core wire and solder joiners provided.
- Feed harness through parking sensor holes in bumper and place into 10mm convoluted tubing provided.



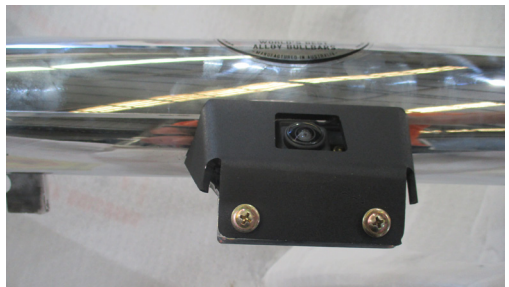
## Stage 14

- Refit bumper in reverse as per steps 2 to 7.
- Feed Camera harness through lower grill for reconnection.



## Stage 15

- Fit camera to protection bar, align in mounting bracket on protection bar. Drill 5mm hole through bracket and secure with M5 x 20mm button screws, flat washer and nut from rear of bracket.
- Place outer cover on camera mount. Align with camera and drill two 5mm holes in lower face. Secure from bottom with M5 x 20 button screws, flat washers and nyloc nuts.



# Nissan Xtrail

## Stage 16

- Place parking sensors in sensor housing in same direction as they were in bumper.
- Secure through rear of bracket with zip ties. Overtightening may cause sensors to operate incorrectly.

NOTE: Zip tie is used as an extra security device to hold sensors firmly in the rear of the holder only. Do not overtighten.



## Stage 17

- Fit protection bar to steel mounts using M10 x 1.5 x 35mm bolts, flat washers, spring washers and nuts.
- Align protection bar with vehicle and tighten all bolts.



## Stage 18

- Connect parking sensors and camera.
- Check all safety features are working correctly.

# Final Checks & Installation Kit

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## Ensure Number Plate is Clearly Visible

Note: When fitting/refitting the licence plate to the vehicle, ensure there is no obstruction to licence plate vision in accordance with local authorities. If required relocate licence plate to an alternate location.

## Further VFPS Notes

1. Do not attach VFPS to the vehicle using anchorages not intended for this purpose (e.g. engine mounting bolts).
2. Do not use this product for any vehicle make or model, other than those specified by the VFPS manufacturer.
3. Do not remove the plaque or label from the VFPS.
4. Do not modify the structure of the VFPS in any way.
5. No accessory or fitment should project forward of the VFPS forward profile.
6. **Ensure these instructions are left with the vehicle owner and/or operator.**

## Important Information

Periodically check bolts and nuts for correct tightness, especially if traveling on rough roads.

## Installation Kit

1 - Pair steel mounts	4 - M5 x 20 Phillips thread screw
4 - Rear mounting brackets	4 - M5 flat washers
1 - Outer camera housing	4 - M5 nyloc nuts
8 - M10 x1.5 x70mm bolts	2 - 250mm length 3 core wire
4 - M10 x 1.5 x 35mm bolts	12 - Solder joiners
24 - M10 flat wahers	2 - 300mm lengths 10mm convoluted tube
12 - M10 spring washers	2 - 150mm zip ties.
12 - M10 x1.5 nuts	

# Finished Product

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# Warranty Registration

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## Contact Details

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Product: **NBN113SY**

Email: \_\_\_\_\_

Phone: \_\_\_\_\_

Work Order Number: \_\_\_\_\_

You can find this on the silver label  
of your ECB product.

By submitting this registration you automatically subscribe to ECB's mail outs. You  
can unsubscribe at any time.

## Register Online

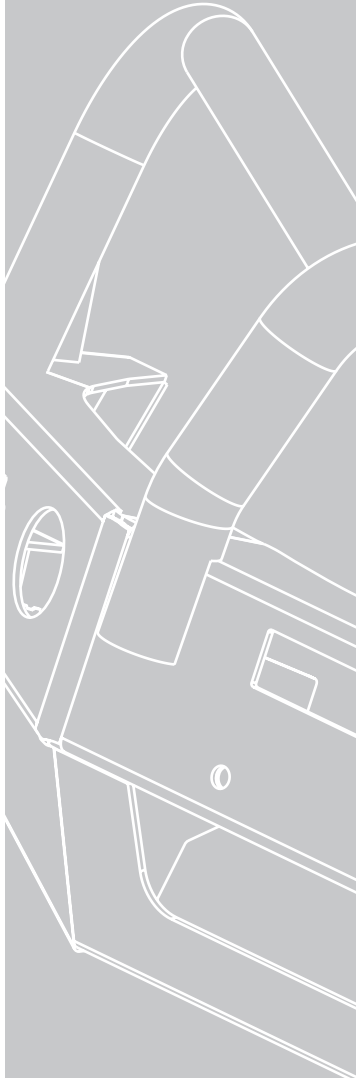
For online registration please go online to [www.ecb.com.au/warranty-registration](http://www.ecb.com.au/warranty-registration)  
If you have any questions please contact our national office on 1800 069 145 or  
[www.ecb.com.au](http://www.ecb.com.au).



**PN: NBN113SY**  
**Please post to PO Box 122,**  
**Margate QLD 4019**



REPLACES: N/A  
REVISED: 22.05.23



1800 069 145  
[www.ecb.com.au](http://www.ecb.com.au)

# **Strongest Built Australian Made Lifetime Warranty**

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