



**WORLD'S BEST  
ALLOY BULLBARS**

**Strongest Built  
Australian Made  
Lifetime Warranty**

**PN: NBT223SY**



# **Fitting Guide & Owners Manual**

## **TOYOTA HILUX SR/SR5 09/2020on**

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

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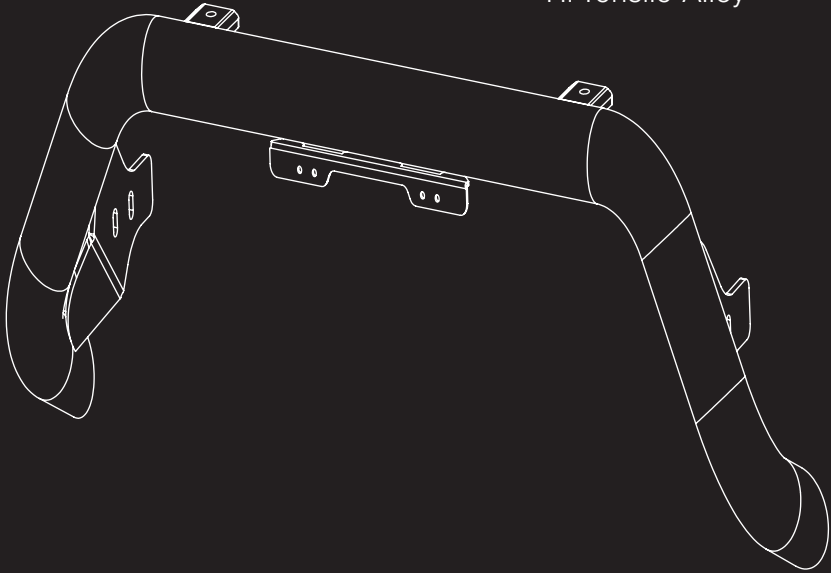
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# The Features of ECB

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Rust Free

Hi-Tensile Alloy



Industry Leading  
Metal Thickness

Unmatched  
Strength

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 trialled 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.



# NBT223SY

## 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 and/or operator.



## Stage 2

- Remove eight (8) push/pull clips from top radiator trim.
- Remove trim.
- Disconnect sonar unit behind badge in grille.



## Stage 3

- Remove four (4) 10mm head bolts from top of grille.

NOTE: Grille clips on bottom of bumper are difficult to get to. By releasing side of grille, you can get to bolts in top of bumper, then remove grille with bumper.

- Unplug camera from back of badge.
- Pull forward on sides of grille to release clips at headlight level.



# Toyota Hilux 09/2020on

## Stage 4

- In front of wheel opening, remove one (1) small push pull clip and one (1) screw clip from rear of bumper skin.



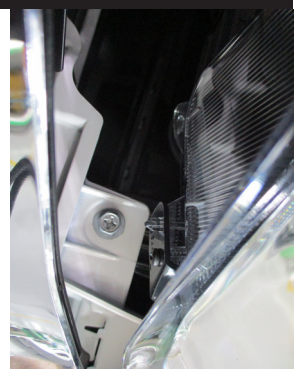
## Stage 5

- From underside of bumper, remove three (3) 10mm head screws into guard liner (per side).
- In center of bumper, remove three (3) 10mm head bolts from bumper to underbelly guards.
- Unclip bumper from inner guards and pull sides of bumper away from vehicle to unclip from guards.
- Disconnect Bumper lights and sensors (if fitted).



## Stage 6

- From behind grille, remove three (3) 10mm head bolts.
- Pull bumper forward from under headlights to remove.

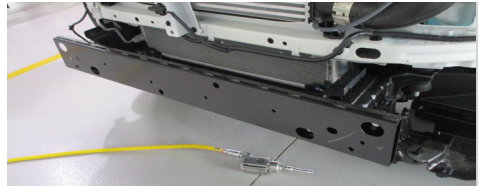
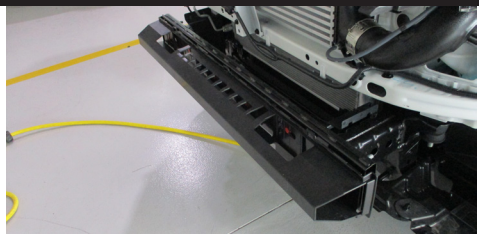




# NBT223SY

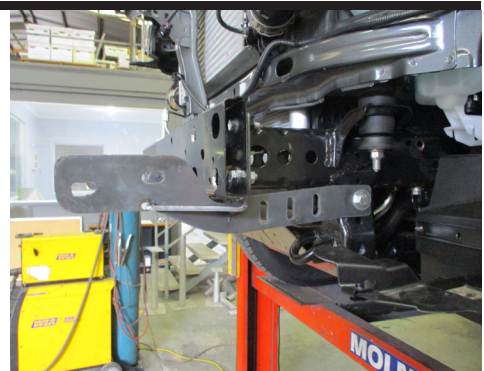
## Stage 7

- With a firm tug, remove plastic from front of bumper support.
- Remove bumper support, four (4) 14mm head bolts.



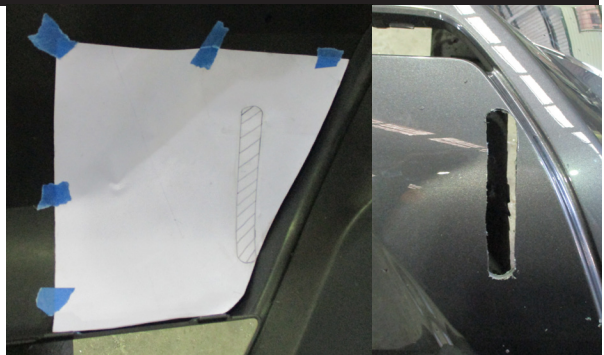
## Stage 8

- Install ECB steel mounting brackets between end of chassis rail and reinforcement using with two (2) M10 x 1.25 x 40mm bolts, spring washers, flat washers (supplied) (per side).
- In rear hole fix with one (1) M12 x 1.25 x 30mm bolt, spring washer, flat washer (supplied) (per side).



## Stage 9

- Using ECB bumper cut template from instructions, place template on inside of bumper.
- Mark outline of cut area on bumper.
- Check measure before cutting bumper.
- Neatly cut bumper to fit over steel mounting bracket.





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## Stage 10

- Refit bumper to vehicle using original equipment fixings in the reverse of stage 3 to 6.



## Stage 11

- Fit protection bar onto steel mounting bracket using two (2) M10 x 1.25 x 40mm bolts, flat washers, spring washers and nuts (per side).
- Rear bolts can be accessed through top of grille opening.
- Align protection bar and tighten all bolts.



## Stage 12

- Reconnect sonar wiring to sonar unit behind grille badge.
- Refit top plastic trim with original equipment fixings.
- If removed ensure bumper lights and sensors are reconnected.

# Final Checks & Installation Kit

## 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 mounting brackets	8 - M10 x 1.25 x 40mm bolts
2 - M12 x 1.25 x 30mm bolts	8 - M10 spring washers
2 - M12 flat washers	12 - M10 flat washers
2 - M12 spring washers	4 - M10 x 1.25 nuts

# Finished Product

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# Warranty Registration

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## Contact Details

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

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

\_\_\_\_\_

Product: **NBT223SY** \_\_\_\_\_

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:NBT223SY**  
**Please post to PO Box 122,**  
**Margate QLD 4019**

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REPLACES: N/A  
REVISED: 01.05.21

## Endnotes:

## Revisions:

# **Strongest Built Australian Made Lifetime Warranty**

1800 069 145  
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