

**GA32002006**  
**(P2HN6340SY)**



# Fitting Guide

## **HINO 300 WIDE CAB**

### **06/20 ON**

2 Post Premium Bullbar  
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)  
FOR AIR BAG & ADR COMPLIANT VEHICLES

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**NOTE:** These instructions are to be used as a guide for installation of this component to the specified HINO model. Please ensure you check the component is applicability before installation. This work should be done by a qualified installer/technician and all care must be taken to ensure all steps are completed. Failure to do so may risk conformity to HINO component warranty and/or compliance. If you have any issues or concerns with this installation please contact 1300 01 HINO.

# Model Code Check

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- This product is designed to be installed on the following model codes.
- Please ensure the vehicle you are working on is listed below.
- If not please contact your parts manager before you proceed

<b>No</b>	<b>Model description</b>	<b>Model code</b>
616 / 617	Wide Cab	XZU700 / 710 / 720
616 / 617	Wide Cab - Trade / Steel Ace	XZU720
716 / 717	Wide Cab	XZU710 / 720
716 / 717	Wide Cab - Trade / Steel Ace	XZU730
816	Wide Cab	XZU710 / 720
816	Wide Crew Cab	XZU730
916 / 917	Wide Cab	XZU710 / 720 / 730

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## Stage 1

- Park the vehicle on level ground and apply the park brake.
- Check installation hardware and read fitting instructions before commencing.
- Ensure all equipment in cabin is correctly secured or in a position so cab can be tilted.
- Remove steel mount from bullbar. Retain fasteners for refitment.



## Stage 2

- Remove three (3) 10mm head bolts from bumper opening between foglights (per/side).
- Remove bumper.



## Stage 3

- Remove sonar lense from bumper cover, four (4) white clips.



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## Stage 4

- Measure between the nutserts steel mount.
- On Sonar lens find lens of lower flange. Measure nutsert distance evenly from centre and 15mm from rear of flange. Double check on steel mount to ensure correct distance between hole markings.
- Drill two 8mm holes in lower flange to fit onto nutserts.
- Relocate lense onto steel mount using two (2) M6 X 25 black screws, spring washers and flat washers.



## Stage 5

- Remove tow hook from passengers side, two (2) 19mm head bolts.
- Install tow hook to steel mount with M14 X 1.5 X 70 bolts, flat washers and nyloc nuts.



## Stage 6

- Install steel mount onto chassis rails using six (6) M8 x 1.25 x 35 bolts, spring washers, flat washers and triangular washer plate into front holes.
- Fit two (2) M14 x 1.5 x 60 bolts, flat washers spring washers and square washer plates in passenger side.
- Fit one(1) M14 x 1.5 x 40 bolt to front hole, spring washer and flat washer and one(1) M14 x 1.5 x 30 bolt and flat washer with thread lock compound applied to drivers side of mount.
- Once all bolts are fitted, align mount vertically on the front of the mount and horizontally to the vehicle. Tighten all bolts.



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## Stage 7

- Disconnect indicator and parking lights on the vehicle. Remove indicator fitting from light and remove bulb. Refit light fitting without bulb.
- Connect indicator to indicator and parking light harness.

NOTE: indicator in vehicle is not reconnected.

- Connect parking light harness to indicator and parking light harness and other side back to the light connection.

## Stage 9

- Place the bullbar onto the chassis mounts and install the M14 x 70 hinge bolts, flat washers and nyloc nuts. Fasten until light pressure only is applied on the alloy mount plates.

CAUTION: Do not over tighten the hinge bolts. Overtightening will damage bullbar and could cause it to become offset to the vehicle.



## Stage 10

- Tilt cabin to ensure cabin locks into position and does not hit bullbar.
- Connect wiring to park/indicator. Zip tie wiring harness to the original on the underside of the headlight. Ensure wiring is not tight when bullbar is tilted.
- Return cabin to locked position.
- Lift bull bar and check positioning of sonar guard. Adjust if required.
- Fit locking bolts, flat steel washer and nylon washer. Tighten firmly using wheel nut wrench from tool kit of vehicle.

WARNING: Do not over tighten bolt.



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## Stage 11

- Refit original plastic under guard to rear of steel mount using three (3) M8 x 35 bolt, flat washers and nyloc nuts in front and original bolts in rear.



## Stage 12

- Check all electrical equipment for correct operation.
- Put cab tilt sticker onto vehicle near cab lock down handle.

NOTE: Two (2) M5 x 12 screws and nyloc nuts have been included for installation of the number plate. Please ensure they are attached to the number plate bracket on the bullbar.

# Supplied Product Assemblies

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Fig.1 - 1x Bullbar assembly

Fig.2 - 1x Steel mounting brackets (Fitted to Bar)



Figure 1 - Bullbar assembly

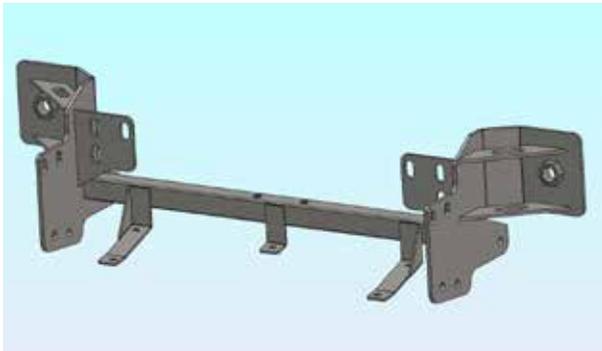


Figure 2 - Steel mounting brackets (fitted to bar)

# Fitting Kit

## Pre-fitted bolts and Parts

1 - Steel mounting bracket	4 - M6 x 25mm black combo screws
1 - Sonar guard	4 - M6 flat washers
2 - M27 x 70mm hex bolts (used in eye bolt holes)	4 - M6 nyloc nuts
2 - M27 Flat washers (used in eye bolt holes)	1 - Hino Lettering
2 - M27 Nylon washers (used in eye bolt holes)	8 - 4mm Starlock fasteners (to attach lettering)
2 - M14 x 1.5 x 70mm hex bolts (used for hinge bolt)	2 - Incandescent park / indicator
2 - M14 x 1.5 Nyloc nuts (used for hinge bolt)	4 - 3/16 X 3/4 stainless PK screws
4 - M14 flat washers (used for hinge bolt)	4 - 10-24 stainless nyloc nuts

## Fitting Kit

2 - 3 hole triangular washer plates	6 - M8 spring washers
2 - 40 x 40 x 4 (15mm hole) Square flat washer	3 - M8 nyloc nuts
2 - M14 x 1.5 x 70mm bolts (Grade 10.9)	2 - M6 x 25 black combo screws
2 - M14 x 1.5 x 60mm bolts	2 - M6 spring washers
1 - M14 x 1.5 x 40mm bolt	2 - M6 flat washers
1 - M14 x 1.5 x 30mm bolt	2 - M5 x 12 stainless PK screws
11 - M14 flat washers	2 - M5 stainless nyloc nuts
4 - M14 spring washers	6 - 300mm zip ties
6 - M14 x 1.5 Nyloc nuts (2 nuts to replace hinge nuts)	2 - indicator and parking light harness (IC20HI300IPH)
9 - M8 x 35mm bolts	1 - Tilt sticker
12 - 5/16 x 1 x 16 flat washers	1 - Tube medium thread lock

## Torque Guide

Diameter	Thread Pitch	Recommended Assembly Setting	
M8	1.25mm	22Nm	16.3lbft
M12	1.75mm	76Nm	57lbft
M14 <sup>1</sup>	2mm	122Nm <sup>1</sup>	90lbft <sup>1</sup>
M27	3mm	Hand tightened firmly only as overtightening will damage nylon washer	

### Notes:

1. M14 x 70 bolts used to secure bullbar to steel mount require to be tightened only to touch the alloy mount firmly. Over-tightening of this bolt will result in damage to the bullbar and possible inability to align bullbar correctly to vehicle.
2. M27 bolts are used as securing bolts for the bullbar. This allows the bullbar to be release from the vehicle using the wheel spanner of the vehicle. Over-tightening of this bolt will damage the nylon washer causing possible vibration rattles to develop.

# Finished Product

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