



HINO

Australia

GA32002002
(B3HN6361SY)



Fitting Guide

HINO 300 WIDE CAB HI HORSE POWER 6/20 ON

Tubular Fleet 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

- 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

No	Model description	Model code
721	WIDE CAB HHP	XJC710 / 720 / 740
920/921	WIDE CAB HPP	XJC710 / 720 / 740

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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 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 on the steel mounting bracket.
- On Sonar lens find lens of lower flange. Measure nutsert distance evenly from centre and 10mm from rear. Double check on steel mount to ensure correct.
- Drill two 8mm holes in lower flange to fit onto nutserts.
- Relocate lens onto steel mount using two (2) M6 x 25mm black combo screws, spring washers and flat washers.



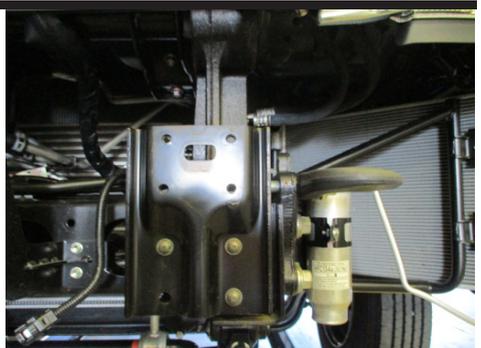
Stage 5

- Remove tow hook and cast bracket from passengers side, five (5) 19mm head bolts.
- Install tow hook to steel mount with M14 X 1.5 X 70 bolts, flat washers and nyloc nuts..



Stage 6

- Remove three (3) 10mm head bolts (per side) from end of chassis rail.
- Remove bumper mounting plates.



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Stage 7

- Remove one 19mm head bolt from underside end of drivers side chassis rail.



Stage 8

- Install steel mounting bracket onto chassis rails using six (6) M8 x 1.25 x 35mm bolts, spring washers, flat washers and washer plate into front holes.
- Fit three (3) M14 x 1.5 x 60mm bolts, flat washers spring washers and square flat washers in passenger side.
- Fit one (1) M14 x 1.5 x 40mm bolt, spring washer and flat washer and original cab bolt in drivers side.
- Once all bolts are fitted, align mount vertically on the front of the mount and horizontally to the vehicle. Tighten all bolts.



Stage 9

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

NOTE: indicator in vehicle is not reconnected.

- Connect parking light harness to Quick click harness and other side back to the head light connection.

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Stage 10

- Remove one (1) 10mm head bolt from lower outer corner of headlight. 
- Using removed 10mm head bolt, install under headlight infill to lower section of headlight.
- Wrap headlight infill panel around headlight and secure to hole in headlight using 3/16 x 3/4 PK screw and nyloc nut through the headlight aim access hole. 
- Drill 5mm hole through last hole in infill. Use 3/16 x 3/4 screw and nyloc to secure.

Stage 11

- Place the bullbar onto the chassis mounts and install the M14 x 1.5 x 70mm 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 12

- 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 protection bar is tilted.
- Return cabin to locked position.



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Stage 13

- Lift bullbar and fit locking bolts, steel washer and nylon washer. Tighten firmly using wheel nut wrench from tool kit of vehicle.

WARNING: Do not over tighten bolt.



Stage 14

- 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 protection bar.

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Supplied Product Assemblies

Fig.1 - 1x Bullbar assembly

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

Fig.3 - 1x Pair Headlight infills

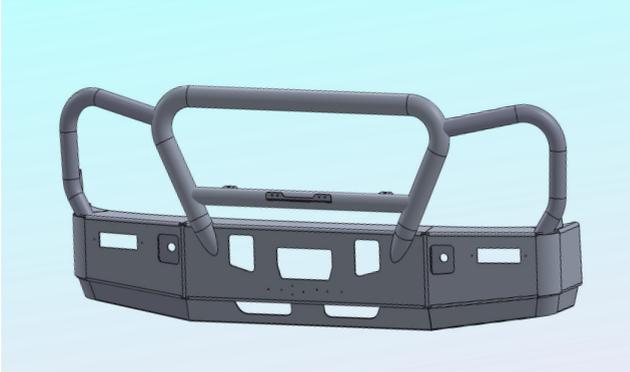


Figure 1 - Bullbar assembly

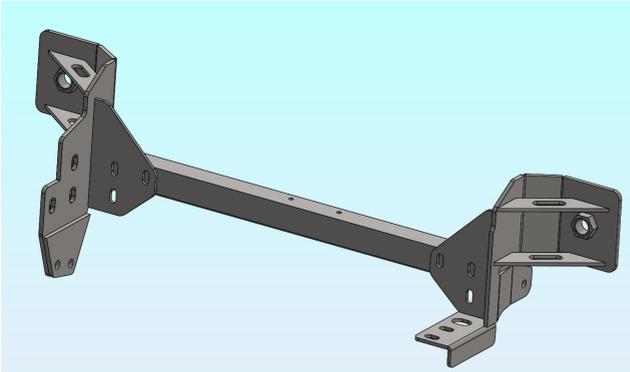


Figure 2 - Steel mounting bracket
(fitted to bar)

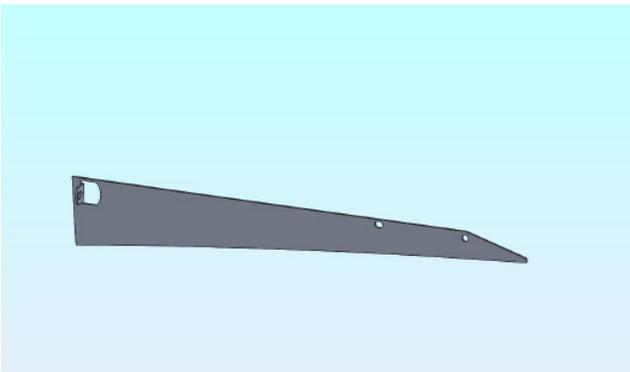


Figure 3 - Headlight infills

Fitting Kit

Pre-fitted bolts and Parts

1 - Steel mounting bracket	4 - M6 x 25 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 (used to attach lettering)
2 - M14 x 1.5 x 70mm hex bolts (used for hinge bolt)	2 - Incandescent park / indicator (IC87270 - 24)
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

1 - Pair headlight infills	6 - M8 spring washers
2 - 3 hole triangular washer plates	2 - M6 x 25 black combo screws
3 - 40 x 40 x 4 (15mm hole) Square flat washer	2 - M6 spring washers
2 - M14 x 1.5 x 70mm bolts (Grade 10.9)	2 - M6 flat washers
3 - M14 x 1.50 x 60mm bolts	2 - M5 x 12 stainless PK screws
1 - M14 x 1.5 x 40mm bolt	2 - M5 stainless nyloc nuts
11 - M14 flat washers	4 - 3/16 x 3/4 stainless PK screws
4 - M14 spring washers	4 - 10-24 stainless nyloc nuts
6 - M14 x 1.5 Nyloc nuts (2 nuts to replace hinge nuts)	6 - 300mm zip ties
6 - M8 x 1.25 x 35mm bolts	2 - Quick Click harness (IC20HI300IPH)
6 - 5/15 x 1 x 16 flat washers	1 - Tilt sticker

Torque Guide

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

Notes:

- M14 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.
- M27 bolts are used as securing bolts for the bullbar. This allows the bullbar to 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



REPLACES: 22.07.20

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