

GA50002043



Fitting Guide

HINO 500 STANDARD CAB

MY19 MODEL

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

Index

Pages 2-3

Index and Important Information

Pages 4-5

Stage 1	Vehicle Preparation
Stage 2	Bumper Door End Cover Removal
Stage 3	Bumper Step cover removal
Stage 4	Bumper Plastics Removal
Stage 5	Bumper Plastics Removal
Stage 6	Bumper Plastics Removal

Pages 6-7

Stage 7	Wiring Harness Preparation
Stage 8	Headlight removal
Stage 9	Sensor and Temperature Sensor Removal
Stage 10	Tow Hook Relocation
Stage 11	Grille Support Bracket Removal
Stage 12	Steel mounting Bracket Installation

Pages 8-9

Stage 13	Sensor and Temperature Sensor Refitment
Stage 14	Headlight Installation and Wiring
Stage 15	Bullbar Installation
Stage 16	Finishing, Checks and Alignments

Supplied Product Assemblies

Pages 10-11

Fitting Kit
Torque Guide
Finished Product

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.

Important Information:

This bullbar has been designed to allow the vehicle operator to use the wheel brace to tilt the bullbar for access to the engine compartment.

As the lug nuts are different from the FC-FD models to the FE Model the front bolt of the bullbar may require to be changed to suit, both bolts and nut plates are included with this bullbar.

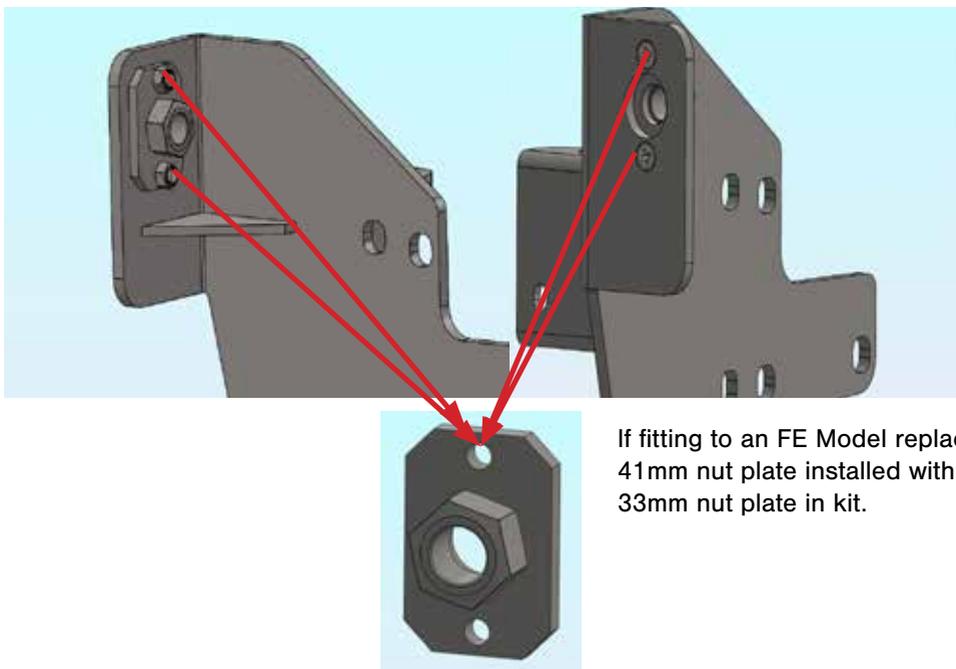
Please check and install:

FC - FD model - 41mm front bullbar bolt and nut plate installed on steel mounting brackets.

FE model - 33mm bullbar tilt bolt and nut plate supplied in kit.

Unbolt nut 41mm nut plate installed on steel mounting brackets four (2) M8 x 25mm countersunk bolts each side. Attach 33mm (angled corner) nut plates with removed M8 x 25mm countersunk bolts, flat washers and nyloc nuts.

NOTE: Bolt used should match wheel nuts - check with wheel brace in vehicle.



GA50002043

Stage 1

- Park the vehicle on level ground and apply the park brake.
- Check installation hardware and read fitting instructions before commencing.
- Lift bonnet.



Stage 2

- On end covers of bumper, remove two (2) push pull clips and one (1) 10mm head bolt on underside.
- Remove end cover.
- Remove two (2) 10mm head screws from behind covers.



Stage 3

- On front of bumper at ends of step, gently pull plastic cover forward.
- Remove covers.



HINO MY19 500 SERIES STANDARD CAB

Stage 4

- From underside of bumper remove seven (7) 10mm head screws.



Stage 5

- From bumper behind number plate, remove one (1) 10mm head bolt.
- Remove four (4) 10mm head bolts from behind of top center grille.
- Gently pull on ends of centre grilles to remove.



Stage 6

- Remove two (2) plastic push pull clips from inner edge of headlight panel. Gently pull to remove headlight panel.



GA50002043

Stage 7

- From behind bumper support panel, remove two (2) 10mm head bolts for wiring harness retaining bracket.



Stage 8

- Unplug headlights from wiring.
- Unclip wiring and remove center grille from vehicle. Two (2) 14mm head bolts, two (2) 12mm head bolts and one (1) 14mm head nut (per side).
- Remove headlights and headlight mounting brackets from chassis rail bracket.

NOTE: It is easiest to remove all the bolts from the front leaving the top bolt till last. Ensure lights are supported when removing.

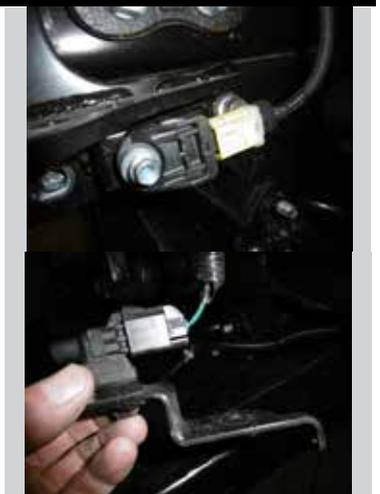


Stage 9

- Remove sensor from left hand of chassis.

CAUTION: Do not hit or drop sensor.

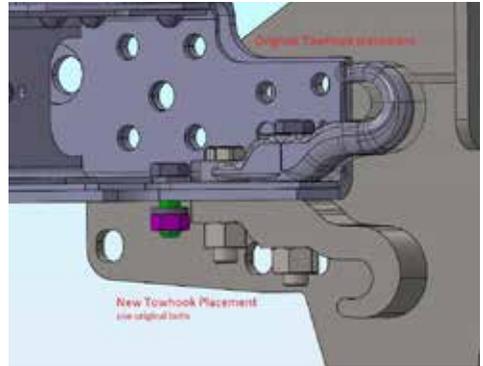
- On right hand side of chassis, unplug and remove temperature sensor.



HINO MY19 500 SERIES STANDARD CAB

Stage 10

- Remove tow hook from top of left hand chassis rail, two (2) 22mm head bolts.
- Refit tow hook to underside of chassis rail using original equipment bolts.



Stage 11

- Remove grille support brackets from under headlights, two (2) 10mm head bolts.



Stage 12

- Install steel mount brackets to chassis rails using three (3) M12 x 1.25 x 40 bolts, spring washers and flat washers into captive nuts and two (2) M12 x 1.25 x 40 flat washers, spring washers and nyloc nuts for top holes.
- Using a level, align steel mounting brackets to vertical on the front face and horizontal across the top of the steel mounting brackets.
- **Tighten all bolts**
- **Check front bolts in bullbar match wheel nuts. Should the bolt head size not match, change rear nut plate by removing two (2) countersunk screws (per side) and reinstalling new plate.**



GA50002043

Stage 13

- Refit sensor to left side of steel mounting brackets using M6 x 25 bolt, flat washer and nyloc nut.



Stage 14

- Fit temperature sensor to the drivers side steel mounting brackets using M6 x 25 bolt, flat washer and nyloc nut.
- Install headlights to steel mounting brackets using five (5) M10 x 1.5 x 50 bolts, flat washers and nyloc nuts (supplied).
- **Tighten all bolts.**
- Reconnect wiring to lights and secure wiring to chassis using zip ties (supplied).



Stage 15

- Install Bullbar
- Align front bolt holes in channel and fit the applicable size bolt to suit the wheel brace in the truck FC-FD models M27 bolt, nylon washer and flat washer, FE 7/8 x 2.5 bolt, M24 nylon washer and flat washer.
- Fit hinge bolts to lower mount hole using M16¹ x 70 bolts, flat washers and nuts (supplied).
- Hand tighten M16¹ bolts to be firm to alloy only. **DO NOT OVERTIGHTEN.**

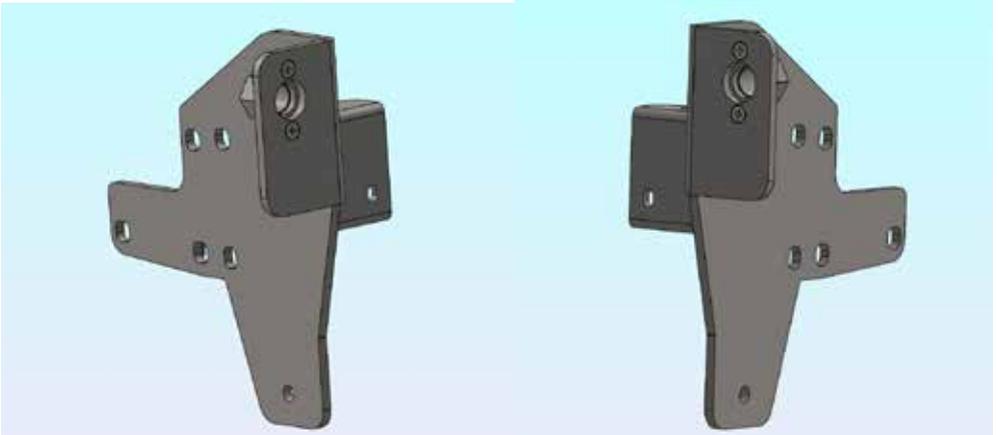


HINO MY19 500 SERIES STANDARD CAB

Stage 16

- Check and align lights to correct levels.
- Tilt bar to ensure clearance of lights and cabin.
- Place tilt warning sticker in a prominent position on rear of cabin next o the tilt release lever.

Supplied Product Assemblies



Pair Steel mounting brackets (fitted to bar) - with FC-FD 41mm nut plates installed

Torque Guide

Diameter	Thread Pitch	Recomended Assembly Setting	
M6	1.0mm	9.1Nm	6.8lbft
M8	1.25mm	22Nm	16.3lbft
M10	1.5mm	44Nm	33lbft
M12	1.25mm	76Nm	57lbft
M14	2mm	122Nm	89.9lbft
M16 ¹	2mm	190Nm ¹	140lbft ¹
7/8	9 TPI	Hand tightened firmly only as overtightening will damage nylon washer	
M27	3mm	Hand tightened firmly only as overtightening will damage nylon washer	

Notes:

1. M16 bolts used to secure bullbar to steel mount require to be tightened only to touch the alloy mount firmly. Overtightening of this bolt will result in damage to the bullbar and possible inability to align bullbar correctly to vehicle.

Fitting Kit

GA50002043

Pre-fitted bolts and Parts

1 - Pair Steel mounting brackets (YP4HN-6550SYF)	4 - M8 x 25mm countersunk bolts (used for nut plates)
1 - Perspex sonar cover (P4HN6550_A2PL) (fitted to mount)	4 - M8 flat washers (used for nut plates)
2 - M16 x 2.0 x 70mm hex bolts (used for hinge bolt)	4 - M8 nyloc nuts (used for nut plates)
2 - M16 x 2 Nyloc nuts (used for hinge bolt)	2 - Black Plastic steps
4 - M16 flat washers (used for hinge bolt)	8 - M6 x 25mm black combi bolts (used to attach sonar cover to mount and steps)
2 - M27 nut plates (square corner)	8 - M6 flat washers (used to attach sonar cover to mount and steps)
2 - M27x 70mm hex bolts (used in eye bolt holes)	8 - M6 nyloc nuts (used to attach sonar cover to mount and steps)
2 - M27 Flat washers (used in tilt bolt holes)	1 - Hino Lettering
2 - M27 Nylon washers (used in tilt bolt holes)	8 - 4mm Starlock fasteners (used to attach lettering)

Fitting Kit

2 - 7/8 nut plate (angled corner)	10 - M10 x 1.5 x 50mm bolts
2 - 7/8 x 2.5 bolts	20 - M10 flat washers
2 - M24 Flat washers	10 - M10 x 1.5 nyloc nuts
2 - M24 nylon washers	2 - M6 x 25mm bolts
2 - M16 x 2 Nyloc nuts (replacements for hinge bolt nuts if required)	4 - M6 flat washers
10 - M12 x 1.25 x 40mm bolts	2 - M6 nyloc nuts
14 - M12 flat washers	4 - M8 nyloc nuts (for nutplates if required)
6 - M12 spring washers	6 - 300mm zip ties
4 - M12 x 1.25 Nyloc nuts	1 - Tilt sticker

Finished Product



REPLACES: 01.12.21

REVISED: 00.00.00

Revisions:

01/12/21 - Created instruction from P4HN6550SYF
as product changed to have extra cutouts for cooling
in the front next to the uprights

