



INSTALLATION INSTRUCTIONS GA32602005 2 POST BULLBAR 300 STANDARD CAB

PLACE THESE INSTRUCTIONS IN VEHICLE GLOVE COMPARTMENT AFTER INSTALLATION

Care Instructions:

Check bolt torque settings at 5000 km and at recommended service intervals when driving on asphalt roads. When used in extreme service, look over product on vehicle morning check, check bolt torque settings at 1000 km and every 10,000 km thereafter.

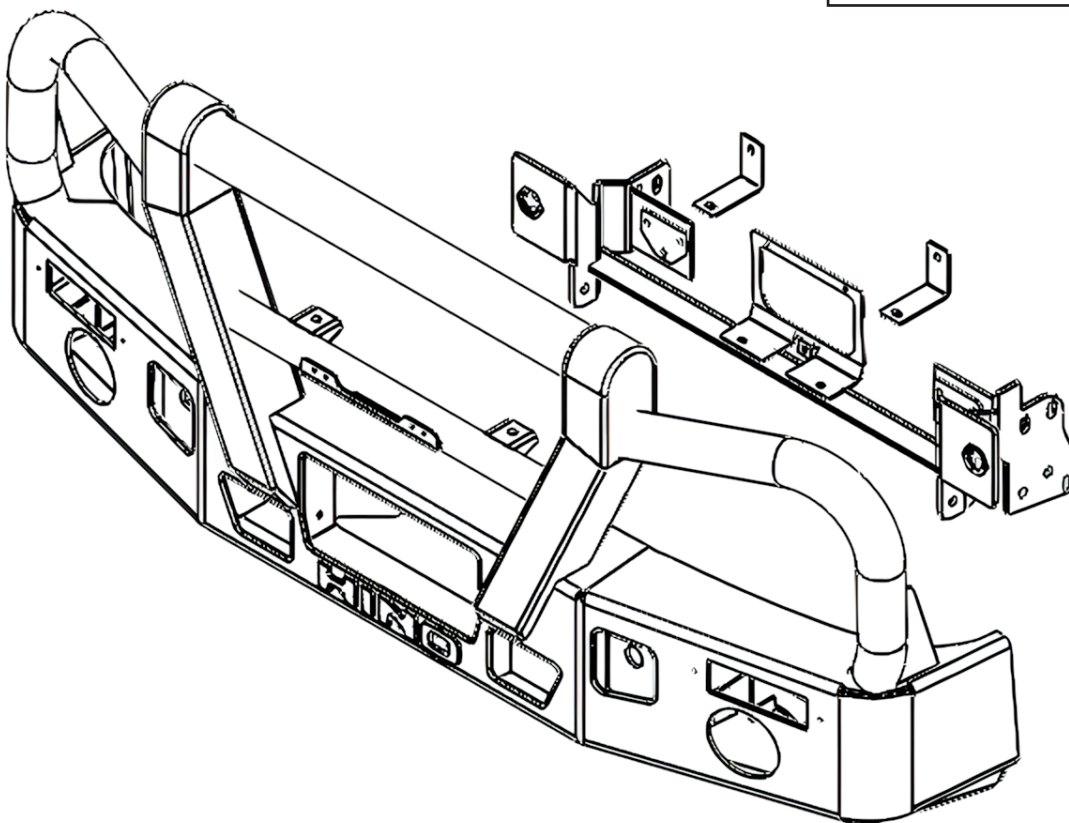
Parts List: Check contents of kit before commencing and report

ITEM NO.	DESCRIPTION	QTY
1	Bullbar Assembly	1
2	Mount Assembly	1
3	Electrical Cable Harness	2
4	Bolt Kit	1

Installation Time:

Required tools:

- 10 mm Socket
- 12 mm Socket
- 13 mm Socket
- 16 mm Socket
- 22 mm Socket
- 10 mm Spanner
- 13 mm Spanner
- 16 mm Spanner
- 22 mm Spanner
- Flat Blade Screwdriver
- Side Cutters
- Long Nose Pliers
- Spirit Level
- Phillips Screwdriver





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INSTALLATION KIT

2	Chassis Washer Plates	6	M8 x 35 Bolt
2	Underbelly Splash Guard Brackets	10	5/16 X 1 X 16 Flat Washers
1	Pair Fog Light Mounts (LH and RH)	6	M8 Spring Washers
2	M14 x 1.5 x 70 Bolts (Grade 10.9)	2	M8 Nyloc Nuts
2	M14 x 1.5 x 40mm Bolts	3	M6 X 16 Black Phillips Screw
5	M14 Flat Washers	6	M6 Flat Washers
1	M14 Spring Washers	3	M6 Nyloc Nuts
5	M14 X 1.5 Nyloc Nuts (2 nuts to replace shipping nuts)	2	M5 X 12 Stainless PK Screws
4	M10 x 1.5 x 25mm Bolts	4	M5 x 20 PK Screws
1	M10 x 1.5 x 35mm Bolts	2	M5 Stainless Nyloc Nuts
2	M10 x 1.25 x 35mm Bolts	2	Quick Click Harness (IC26H1300NAIPWH)
12	M10 Flat Washers	6	300mm Zip Ties
2	M10 Spring Washers	10	150mm Zip Ties
5	M10 x 1.5 Nyloc Nut	1	Tilt Sticker
2	M8 x 1.25 x 30mm Bolts		

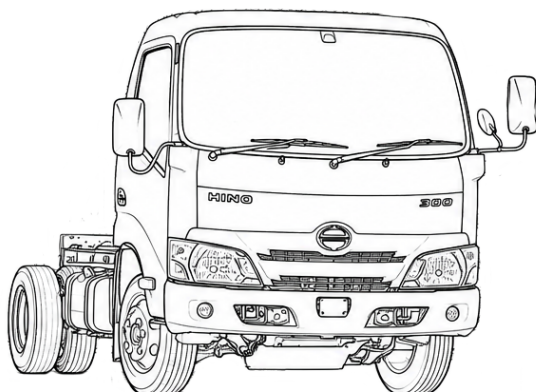
TORQUE GUIDE

DIAMETER	THREAD PITCH	RECOMMENDED ASSEMBLY SETTING	
M6	1.0mm	9.1Nm	6.8lbft
M8	1.25mm	22Nm	16.3lbft
M10	1.5mm	44Nm	33lbft
M12	1.75mm	76Nm	57lbft
M14 ¹	2mm	122Nm ¹	90lbft ¹
M27 ²	3mm	Hand tightened firmly only as overtightening will damage nylon washer	

CAUTION: Ensure cabin hinge bolts are tightened to correct torque setting.

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.



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.

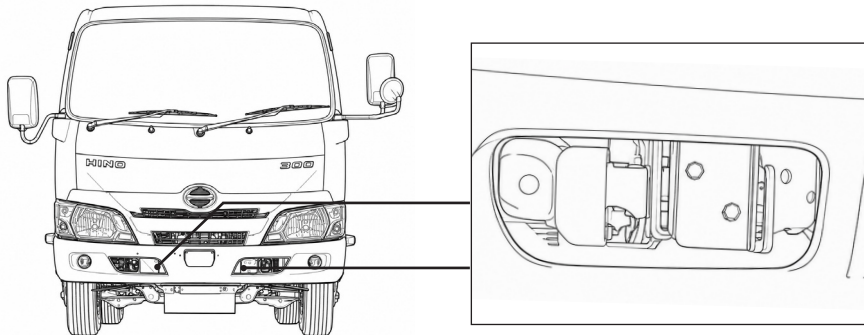


Figure 2

STEP 2

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

Remove two (2) 12mm head bolts from rear of plastic splash guard.

Unplug wiring loom and remove bumper.

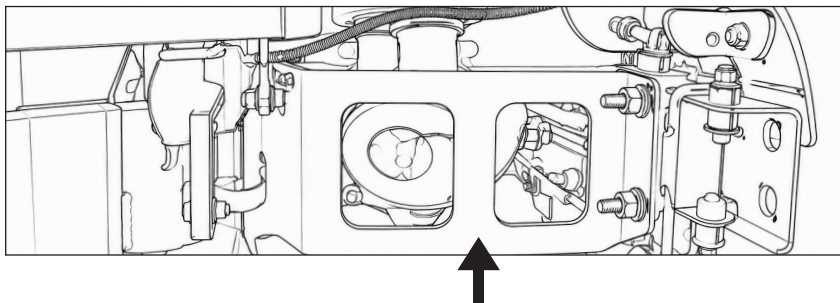


Figure 3

Bracket To Be Removed

STEP 3

Remove two (2) 12mm head nuts from front of steering box, one (1) 14mm head bolt from wire bracket

Remove two (2) 12mm head bolts from side of chassis rail.

Remove bracket.

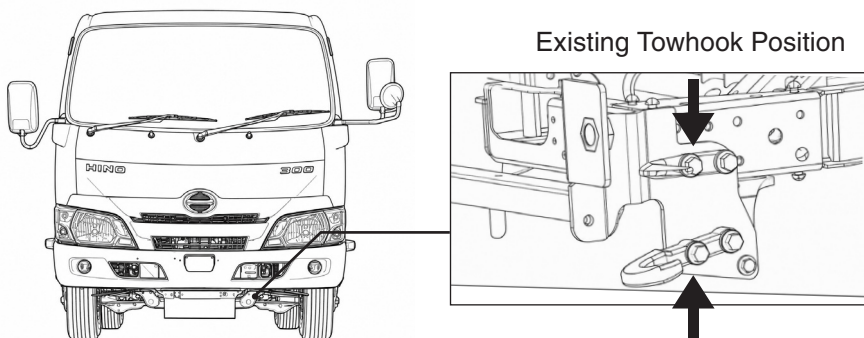


Figure 4

Existing Towhook Position

New Towhook Position

STEP 4

Remove tow hook from passengers side, two (2) 19mm head bolts.

Install tow hook to steel mounting bracket with M14 x 1.5 x 70 bolts, flat washers and Nyloc nuts.

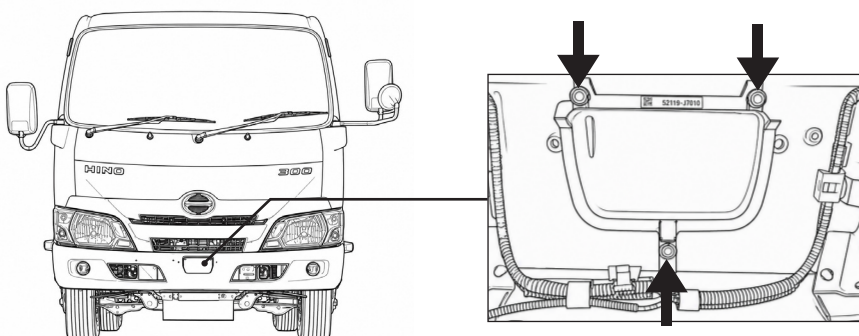


Figure 5

STEP 5

Remove three (3) Phillips head screws from sonar lens in rear of bumper.

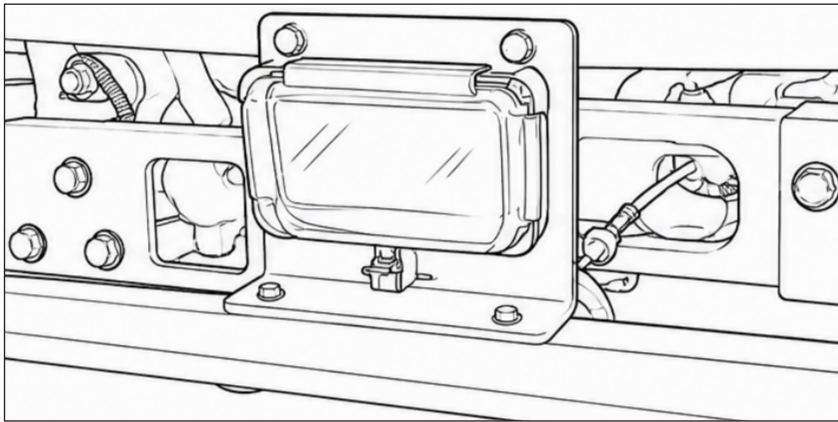


Figure 6

STEP 6

Relocate lense onto Alloy mount using three (3) M6 x 16mm black phillips screws, flat washers and Nyloc nuts.

NOTE: Lens bracket attached to steel mount does not need to be removed to install.

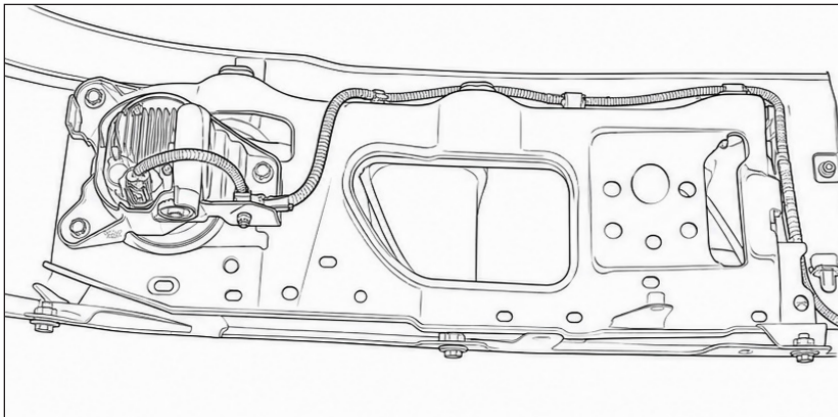


Figure 7

STEP 7

In rear of bumper carefully disconnect and remove wiring harness

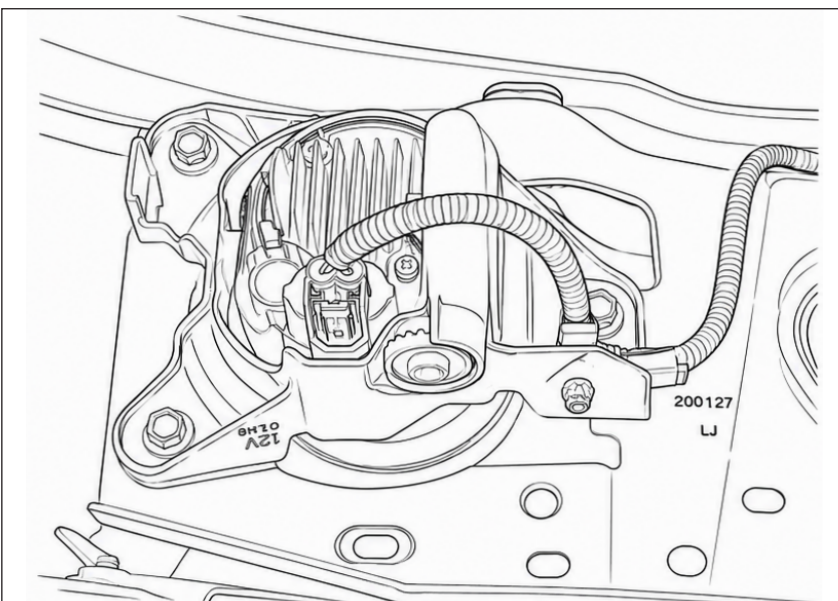


Figure 8

STEP 8

From plastic surround containing fog lights in rear of bumper, remove three (3) 10mm head bolts per side.

Required Tools:

- 10mm spanner or socket with appropriate driver

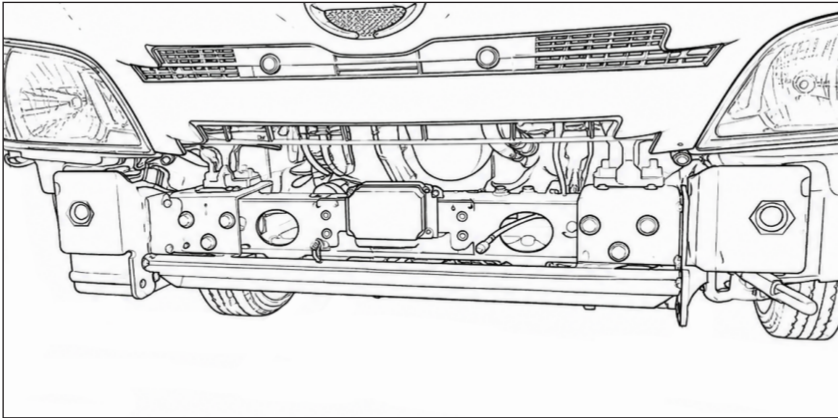


Figure 9

STEP 9

Fit steel mounting bracket onto chassis rails using six (6) M8 x 1.25 x 35mm bolts, spring washers, flat washers and washer plate in front holes on crossmember.

Install two (2) M10 x 1.25 x 35mm bolts, spring washers and flat washers on drivers side.

Install one (1) M14 x 1.5 x 40mm bolts, spring washers, flat washers, one (1) M14 x 1.5 x 40mm bolts, flat washers and Nyloc nut and one (1) M10 x 1.5 x 35mm bolts, flat washers and Nyloc nut on passengers side.

NOTE: Rear hole has captive nut on passenger side.

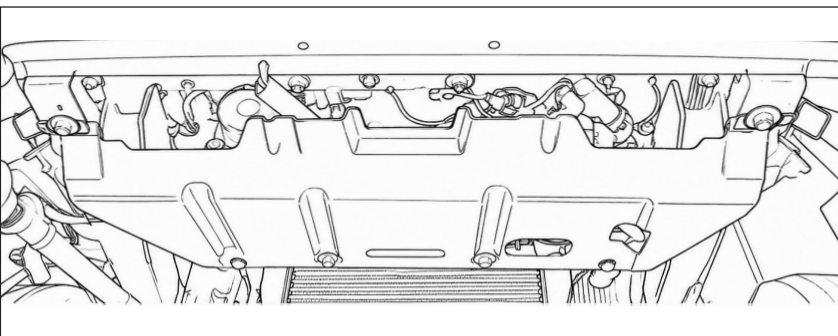


Figure 10

STEP 10

Remove plastic splash guard from front bumper.

Using lower front bolt of steel mounting bracket at chassis, fit brackets using M8 x 1.25 x 35mm bolts, spring washers and flat washers previously installed.

Fit plastic splash guard with two M8 x 1.25 x 30mm bolts, flat washers and Nyloc nuts. Fit original bolts in rear holes.

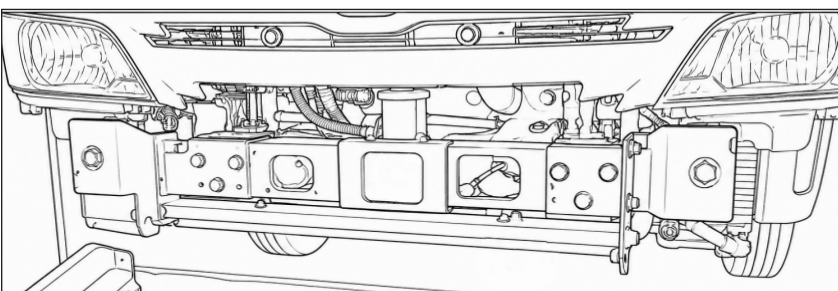


Figure 11

STEP 11

Align steel mounting bracket so front of mounting bracket is vertical and horizontally to match body of truck.

Tighten all bolts.

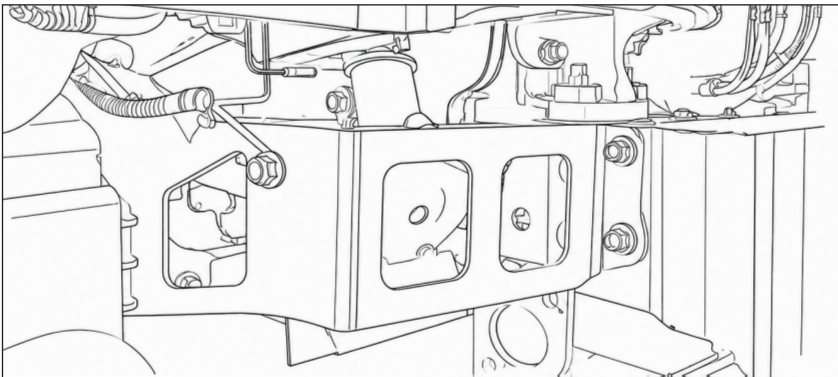


Figure 12

STEP 12

Refit steering box bracket with original equipment nuts and bolts.

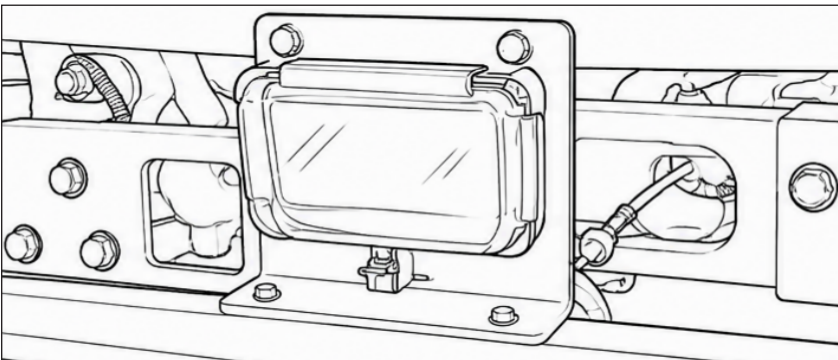


Figure 13

STEP 13

Fit sonar lens mount onto steel mounting bracket using two (2) M6 x 25mm black Phillips screws, spring washers and flat washers.

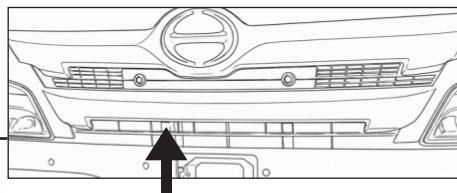
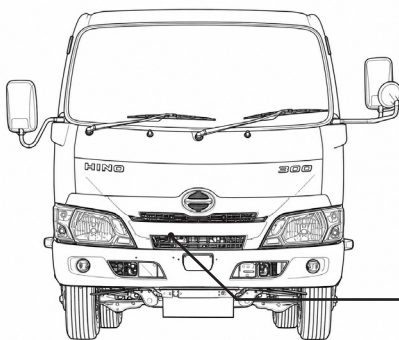


Figure 14

STEP 14

Remove one 10mm head bolt from centre of grille.

Gently pull grille forward from the vehicle.

Remove grille.

NOTE: Grille attaches up over headlights. Care needs to be taken when removing not to overstress these areas.

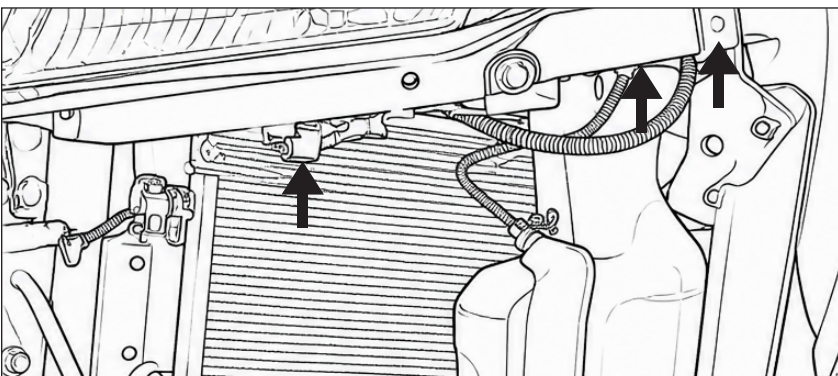


Figure 15

STEP 15

Disconnect head lights on the vehicle, three connectors.

Press the release tab on the connector and gently pull apart.

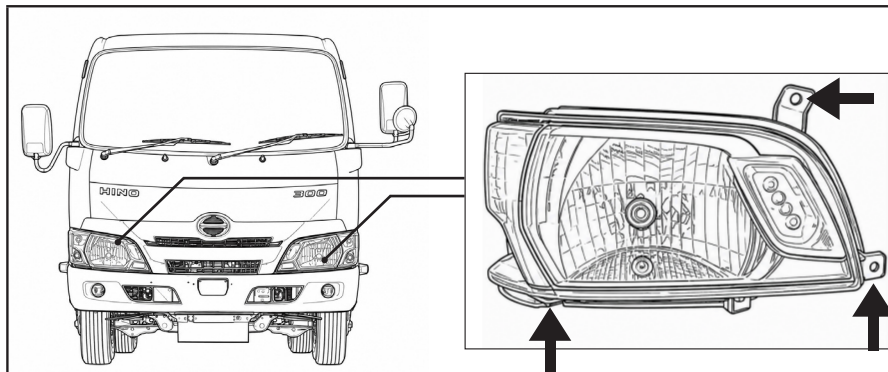


Figure 16

STEP 16

Whilst supporting light, remove two 10mm head bolts from inside of light and one 10mm head bolt from lower outer corner.

Remove light from vehicle.

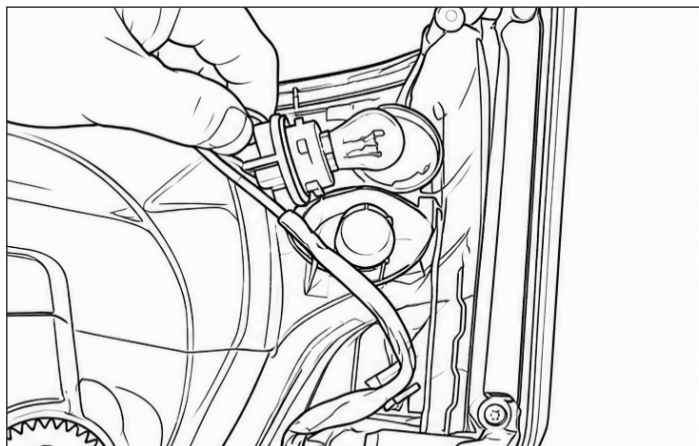


Figure 17

STEP 17

Remove indicator fitting from light and remove bulb. Refit light fitting without bulb.

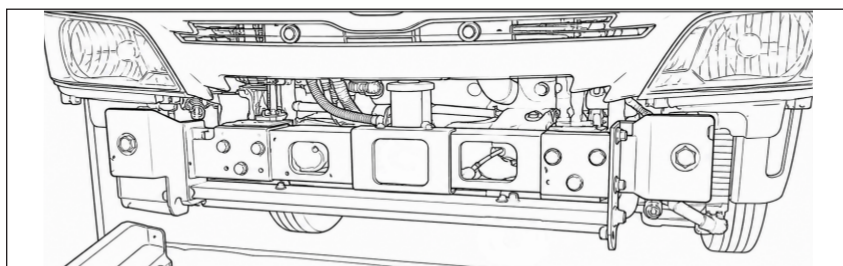


Figure 18

STEP 18

Refit light and grille to vehicle using original equipment bolts.

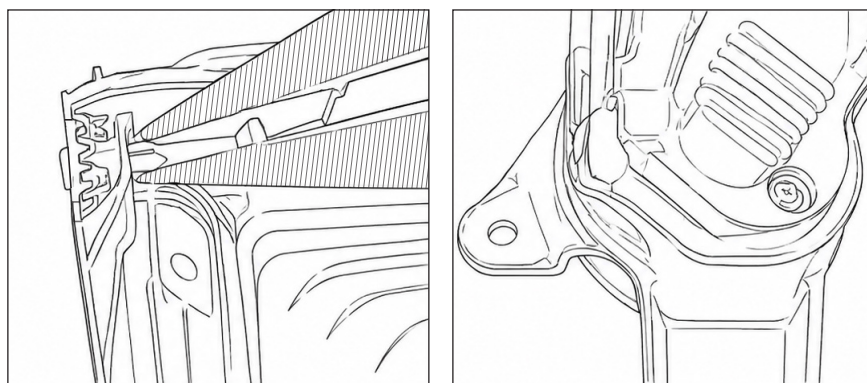


Figure 19

STEP 19

With a set of long nose pliers, crimp adjusting bolts hold in wing just to inside of casing and gently remove from casing.

Remove adjustment bolt from light. Using a flat blade screwdriver, gently pry sides of light away from casing and remove from casing.

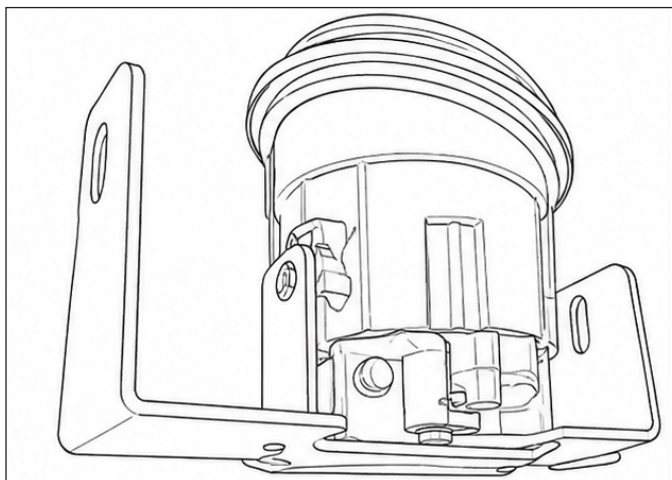


Figure 20

STEP 20

Please note, light brackets are sided.

Using correct mount for foglight side, place foglight between tabs and lock in position. Tabs may need to spread or shrink to lock into position on sides of light.

Attach to rear tab behind fog light using one M5 x 20mm PK screw.

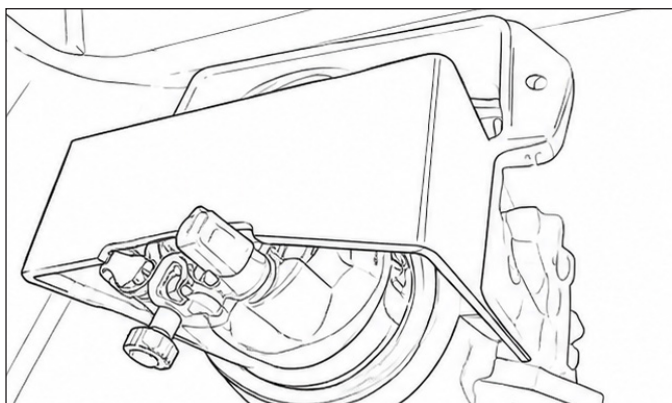


Figure 21

STEP 21

Attach fog light bracket to rear of Protection Bar using two M10 x 25 bolts, flat washers and nyloc nuts

Align light by adjusting at these points when Protection Bar is fitted to vehicle.

Tighten all bolts.

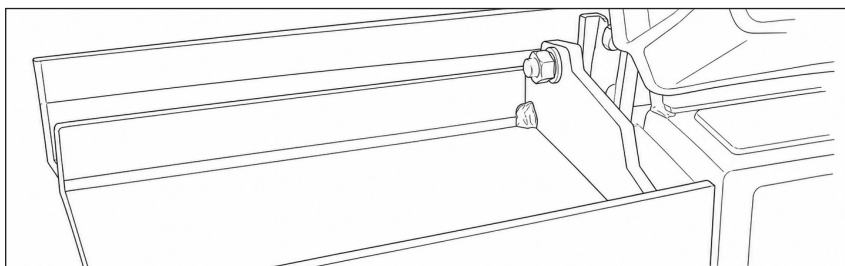


Figure 22

STEP 22

Place the Bullbar onto the chassis mounts and install the M14 x 70mm hinge bolts, flat washers and nyloc nuts and fasten until light pressure is applied on the alloy mount plates.

WARNING: Do not over tighten the hinge bolts.

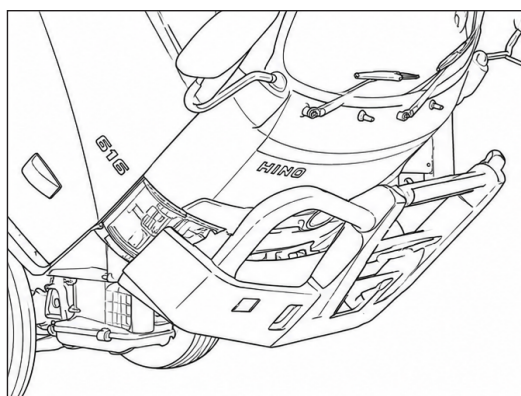


Figure 20

STEP 23

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.

STEP 24

From bottom of headlights, disconnect indicator and parking light connectors.

Connect supplied indicator harness between the light and the vehicle connection.

Figure 24

STEP 25

Zip tie harness up underneath light with tail toward grille.

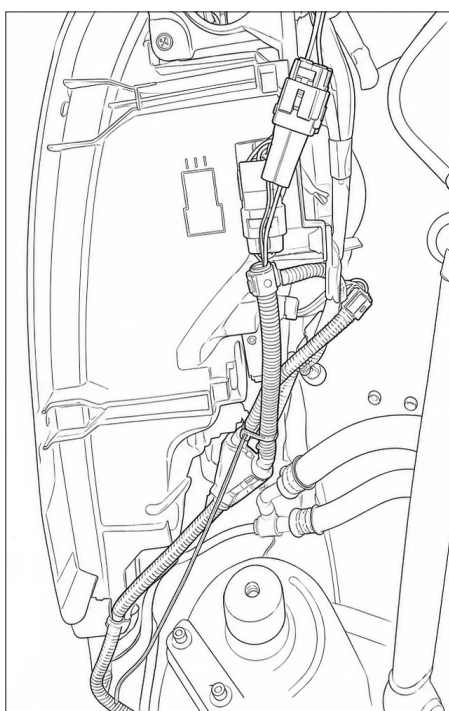


Figure 25

STEP 26

At connection point of lower headlight mount and grille, zip tie harness in place to rear.

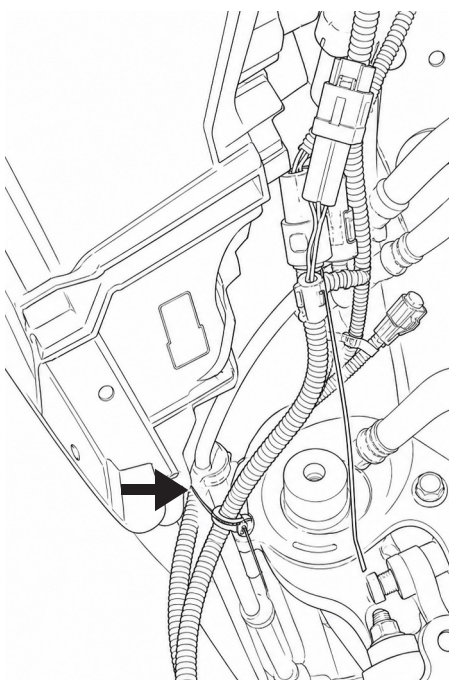


Figure 26

STEP 27

Working from other end of harness, feed connector through lower gusset on steel mount. Connect harness to indicator.

Attach harness to rear of Protection Bar on attachment tabs with fog light harness using zip ties supplied.

Figure 27

STEP 28

At steel mount, pick center of remaining harness and attach harness to lower mount gusset using zip tie supplied.

TO LIGHT

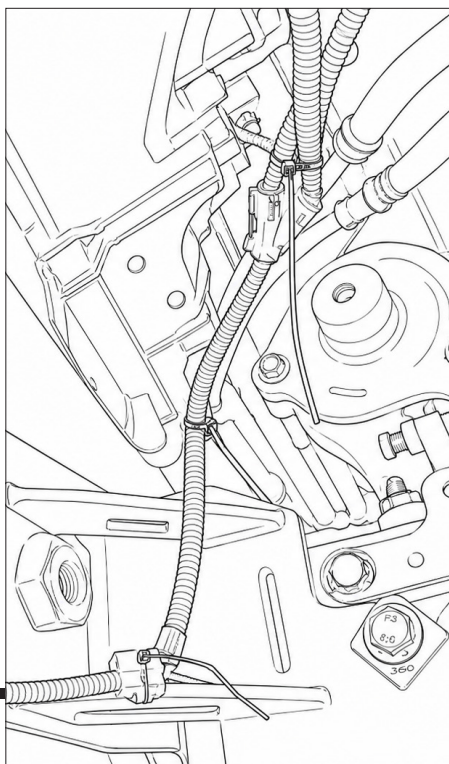


Figure 28

STEP 29

Carefully lift bullbar and check positioning of sonar guard. Adjust if required.

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.

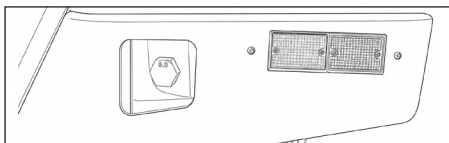
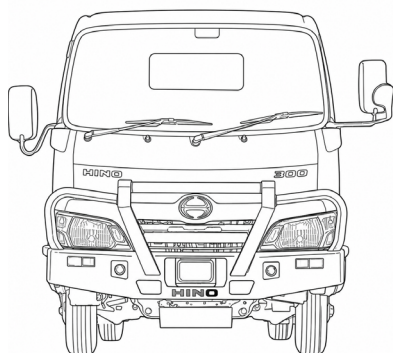


Figure 29



INSTALLATION INSTRUCTIONS
GA32602005 2 POST BULLBAR
300 STANDARD CAB

STEP 30

Check all electrical equipment for correct operation.

Place 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.

Figure 30



INSTALLATION INSTRUCTIONS
P2HN6352SY 2 POST BULLBAR 300
STANDARD CAB

REPLACES: 22.07.20
REVISED: 18.06.26