



PARTS ALERT

AIR FAIRINGS

LAYDON COMPOSITES LTD.

COE & NAPS HINO TRUCKS

Laydon Composites developed two air deflectors for the COE and Conventional cabs. Design was in conjunction with Hino USA and Hino Canada. This designs reduce aerodynamic drag and improves fuel economy. Hino Japan had the final say on 3 different shapes that were designed using Computational Fluid Dynamics (CFD) electing to chose the most fuel efficient.

- ✓ Fiberglass construction for years of life, UV stable with no thermo expansion. Color is white matching gel coat included in the price - no need to paint if white (dealer may paint if needed).
- ✓ Aerodynamic design for optimum fuel savings; validated by independent testing company in wind tunnel
- ✓ One unit for city and highway applications
- ✓ Deflectors fit onto existing hard points on cab
- ✓ On Canadian Hino Trucks since 2011

PART #: HMSF100 - COE AIR FARING 36 INCH MY 12-17 KIT

PART #: HMSF200 - NAPS AIR FARING 36 INCH MY 12-17 KIT

TO:

Dealer Principals
Parts - All
Dealer Managers - All

BULLETIN: PA-2016-050
DATE: 5-23-2016
EXP: NA

* Freight is prepaid & added to the invoice as a separate line item. These are direct shipped from supplier to dealer in effort to save costs. See the Laydon QR Guide for full details.



Hino Trucks reserves the right to make changes, including change in price, content, description, terms, time period, etc. at any time without notice.



Hino Trucks National PDC
Phone: (866) 372-4466 | Fax: (662) 342-5151
E-Mail: helpdesk@hino.com

Supplier:

Laydon Composites Ltd.

Supplier Information

Laydon Composites Ltd. Supplies Air Deflectors for Hino Trucks. With over 30 years of experience, LCL is a one stop shop providing solutions to the transportation industry through all stages from conception, design, computer simulation, tooling development, prototyping, testing, and production tooling to manufacturing of components. All made possible with our experienced staff, state of the art software, equipment and affiliation with several development and testing organizations around the world.

Hino Parts Support Phone: 866-372-4466

Hino Parts Support Email: helpdesk@hino.com

Customer Service & Technical Support

Hino Parts Support Fax: 662-342-3939

Laydon Composites Phone: (905) 829-9200 ext 23

Laydon Composites Email: cbaier@laydoncomp.com

Laydon Composites Web: <http://www.laydoncomp.com/>



Order Procedures:

All orders are to be placed through the Hino Dealer Connect System (DCS). For special orders or for customer support contact Supplier directly via phone number.

Stock Orders

Enter orders in DCS Screen DC202 under Sales Type "S". All direct ship (DS Orders) items will be shipped from a local Supplier PDC.

Emergency Orders

Emergency orders (EM) may be entered into DCS screen DC202 as a Sales Type "E" or "V". All emergency orders will be processed with a "rush" order. Freight and Handling fees will be identified on the Hino invoice.

Minimum Order Quantity

There is no minimum order requirement on emergency or stock orders.

Freight Policy:

Shipments within the Continental United States are shipped freight pre-paid & added to the invoice for all orders. All orders are shipped from Oakville, Ontario unless otherwise specified. All orders will be shipped via the most efficient method. In a effort to reduce freight costs to the dealer & end customer, Air deflectors are shipped direct to the dealer from LCL (rather than shipping to the Hino PDC & then shipping to the Hino Dealership which would add costs). To obtain a freight quote contact luttman@hino.com with part number, quantity & part ship to zip code.

Free Freight Policy:

Stock orders of 28+ air deflectors will ship free freight (Laydon covers costs). Shipped to one location. All stock orders under 28 will be shipped freight prepaid & added to the invoice.

Options:

Decals installed on request. Contact supplier directly for pricing details.

Order Fulfillment Policy:

The standard order processing time is 7-12 business days from date of order placement.

Part Number Pricing:

Pricing will be available on-line in the Hino DCS system. In addition, the prices will be forwarded to your service bureaus within two weeks of each pricing update.

Format:

Standard Part numbers are directly carried over; no prefix or suffix.

Mega Fleet:

All-Makes parts are not included in the Hino Mega Fleet pricing file but should be sold to Mega Fleet customers and filed as Miscellaneous Items in Corcentric when submitting for reimbursement.

Warranty:

Please view Supplier warranty documents as warranty varies based on item. Contact Supplier directly.

Returns:

Contact Supplier directly to obtain a Return Goods Authorization code by phone number or email address listed above. All returned items MUST have prior approval and the Return Goods Authorization (RGA) marked on the outside of the box. RGAs have an expiration date of sixty (60) days; after sixty (60) days the return will become null and void. All returns are subject to a 25% or greater restocking fee. Will not authorize any returns that are not properly packaged or in the original packaging. No credit will be issued for product that has been damaged, altered, or installed on equipment. The customer is responsible for all freight charges on the returned merchandise. Special

Shipping Inspection and Damaged Product:

All merchandise should be inspected upon arrival and carrier damage claims should be filed with the carrier immediately. We are not responsible for, nor are we in a position to make a claim after the freight carrier accepts the shipment from us. For excess stock returns, contact the Supplier directly.

Web Site:

<http://www.laydoncomp.com/>

HINO C.O.E. INSTALLATION INSTRUCTIONS

PART DESCRIPTION: ROOF WIND DEFLECTOR

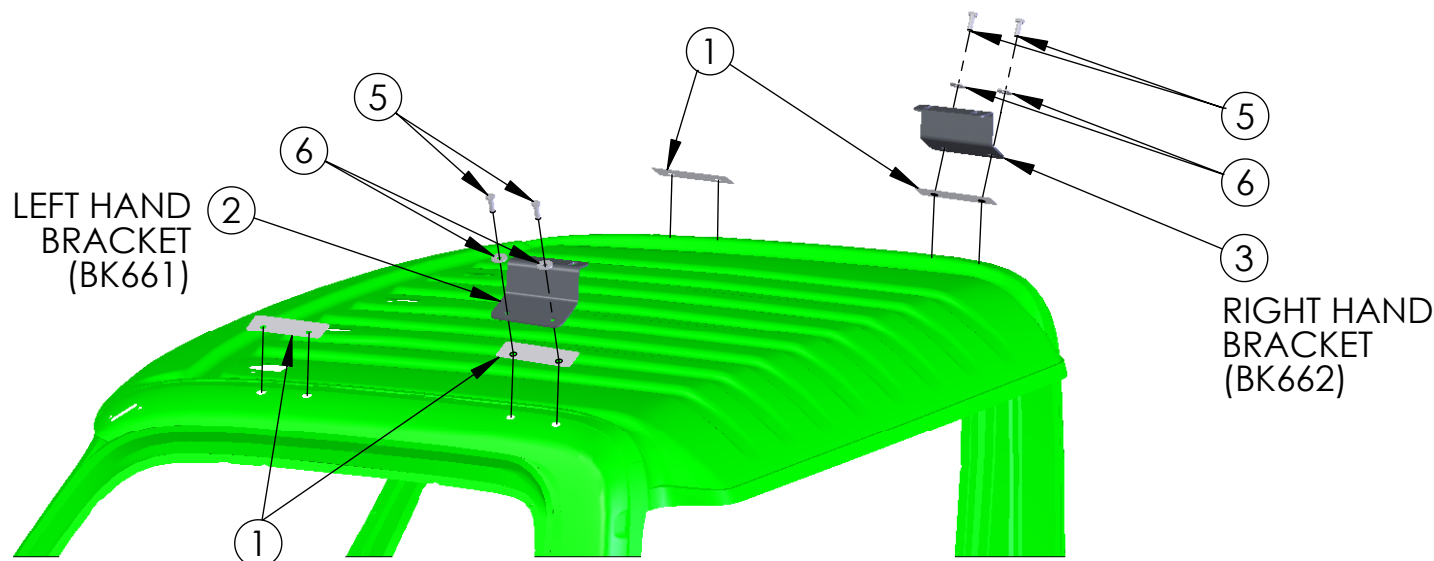
PART NUMBER: HMDF 100

TOOLS REQUIRED:

50/50 ALCOHOL/WATER, LINT FREE CLOTH, TORX T-40 DRIVE, LOCTITE 262 or EQUIVALENT, 13mm WRENCH, 13mm TORQUE WRENCH [13 FT-LBS (17.6Nm)]

PROCEDURE:

1. CAB ROOF AND DEFLECTOR SHOULD BE ASSEMBLED IN A CLEAN ENVIRONMENT WITH TEMPERATURE BETWEEN 60°F AND 90°F FOR OPTIMUM INSTALLATION.
2. CLEAN ENTIRE ROOF AREA OF DIRT, GREASE AND WAX. THOROUGHLY CLEAN THE ROOF MOUNTING POINT AREAS WITH A SOLUTION OF ONE PART ISOPROPYL ALCOHOL AND ONE PART WATER. THOROUGHLY DRY THE INSTALLATION AREA USING A CLEAN LINT FREE CLOTH.
3. REMOVE EXISTING (8) TORX SCREWS FROM ROOF MOUNT HOLES AND DISCARD.
4. MOUNT (4) PROTECTIVE FILM PADS (ITEM #1) OVER ROOF MOUNTING HOLES. NOTE THE PAD HOLES ARE CLOSER TO ONE EDGE. MOUNT THE SHORT EDGE TOWARDS THE OUTSIDE CAB FACE. ALIGN PAD HOLES WITH MOUNTING HOLES.



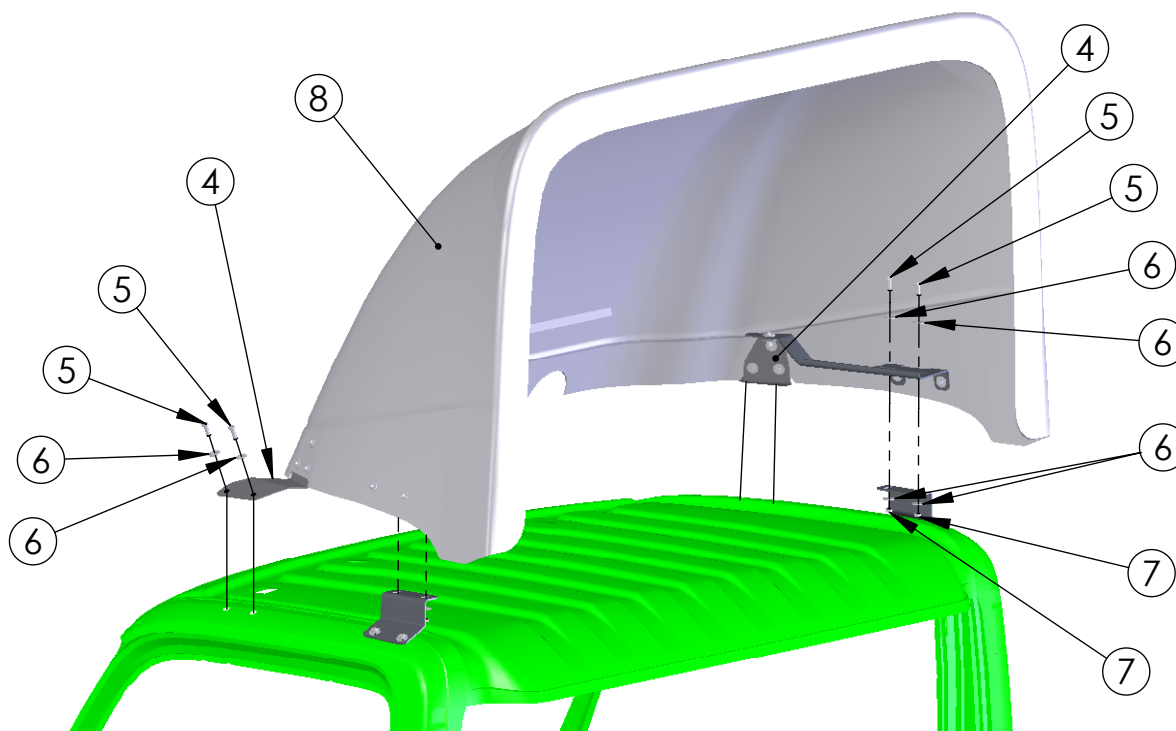
5. PLACE A SMALL AMOUNT OF LOCTITE 262(or EQUIVALENT) ONTO THE THREAD OF A M8 HEX BOLT. PLACE REAR BRACKET (ITEM #2 LEFT HAND OR #3 RIGHT HAND) OVER PROTECTIVE FILM PAD AND **HAND TIGHTEN** M8 HEX BOLT AND M8 WASHER TO THE WELDNUT IN THE CAB ROOF. REPEAT FOR THE OTHER 3 FASTENING POINTS SECURING BRACKETS TO THE CAB. TIGHTEN ALL HEX BOLTS TO 13 FT-LBS (17.6 Nm).

6. PLACE DEFLECTOR ASSEMBLY ONTO CAB, ALIGNING FRONT BRACKET HOLES (BOTH SIDES) WITH WELDNUTS ON ROOF. PLACE A SMALL AMOUNT OF LOCTITE 262(or EQUIVALENT) ONTO THE THREAD OF A M8 HEX BOLT AND **HAND TIGHTEN** M8 HEX BOLT AND M8 WASHER TO THE WELDNUT IN THE CAB ROOF. REPEAT FOR THE OTHER (3) FASTENING POINTS SECURING BRACKETS TO THE CAB.

7. ATTACH DEFLECTOR ASSEMBLY TO REAR CAB MOUNTED BRACKETS USING (1) M8 HEX BOLT, (2) M8 WASHERS AND (1) M8 NYLOCK NUT PER CONNECTION POINT. **HAND TIGHTEN** IN (4) PLACES.

8. ALIGN DEFLECTOR ON CAB SO THAT IT IS CENTRED FROM LEFT TO RIGHT. ENSURING AT THE FRONT THAT THERE IS EQUAL CLEARANCE AROUND THE LIGHTS, AND AT THE REAR THAT THERE IS AN EQUAL AMOUNT OF REAR BRACKET EXPOSED.

9. ONCE THIS IS DONE, TIGHTEN ALL HEX BOLTS TO 13 FT-LBS (17.6 Nm).



ITEM	DESCRIPTION	PART #	QUANTITY
1	Protective Film Pad. Adhesive Backed	FP205	4
2	Rear Mounting Bracket (Left Hand)	BK661	1
3	Rear Mounting Bracket (Right Hand)	BK662	1
4	Front Mounting Brackets (Pre-Installed To Deflector)	-	2
5	Hex Bolt M8x1.25x25mm, SS	SC201	12
6	Fender Washer 8mm ID, 25mm OD, SS	WA201	16
7	M8 Nylock Nut, Zinc	NU201	4
8	Deflector	HMMF100	1

HINO CONVENTIONAL NAPS AIR DEFLECTOR

Installation Guide for Part # HMSF200

Part List

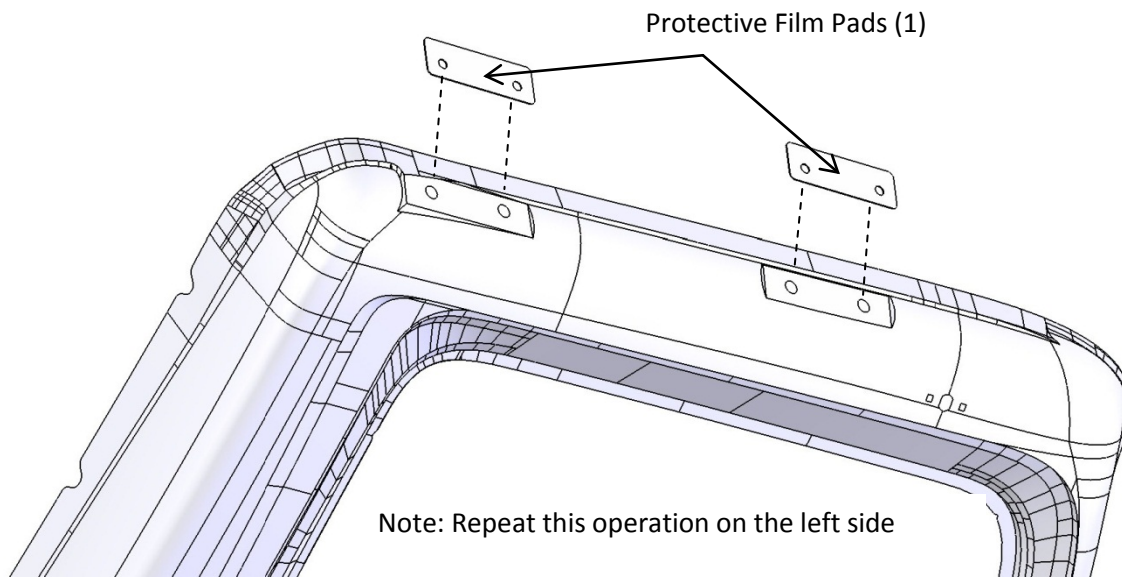
ITEM NUMBER	DESCRIPTION	PART #	QUANTITY
1	Protective film pad 3m Adhesive backed	GL204	4
2	Left Front Lower Mounting Bracket	BK681	1
3	Right Front Lower Mounting Bracket	BK680	1
4	Left Rear Lower Mounting Bracket	BK695	1
5	Right Rear Lower Mounting Bracket	BK694	1
6	Hex Bolt M10 x 1.25 x 25mm, (Black Oxide)	SC271	8
7	Hex Bolt M10 x 1.5 x 30mm, SS	SC272	8
8	Fender Washer 10mm ID 25mm OD, SS	WA206	16
9	Lock Washer 10mm, SS	WA245	8
10	Air Deflector Assembly	HMMF200	1

Tools required:

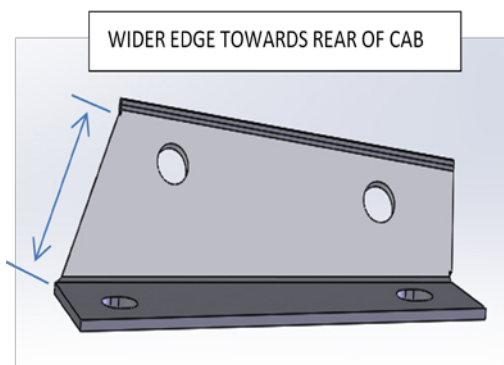
- 50/50 alcohol/water
- Lint free cloth
- Painter's tape, or similar surface protective material
- T50 torx screw adapter
- Silicone sealant, or equivalent
- 17mm short socket & wrench
- Socket extension
- Torque wrench (13 ft-lbs)

Procedure:

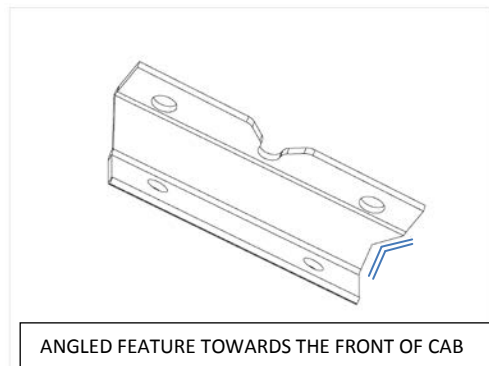
1. Cab roof and deflector should be assembled in a clean environment with a temperature between 60°F and 90°F for optimum installation.
2. Clean entire roof area of dirt, grease and wax. Thoroughly clean the roof mounting point area with a solution of one part isopropyl alcohol and one part water. Thoroughly dry the installation area using a clean lint free cloth.
3. Remove existing torx(8) screws from roof mount holes and discard.
4. Line the outside perimeter with painter's tape to protect the paint on the roof of the cab.
5. Mount protective film (4) pads (item # 1) over roof mounting holes. Note the pad holes are closer to one edge. Mount the short edge towards the outside cab face. Align pad holes with mounting holes.



6. Remove lower mounting brackets from the box. Identify the front and rear lower mounting brackets and align them within their designated areas.

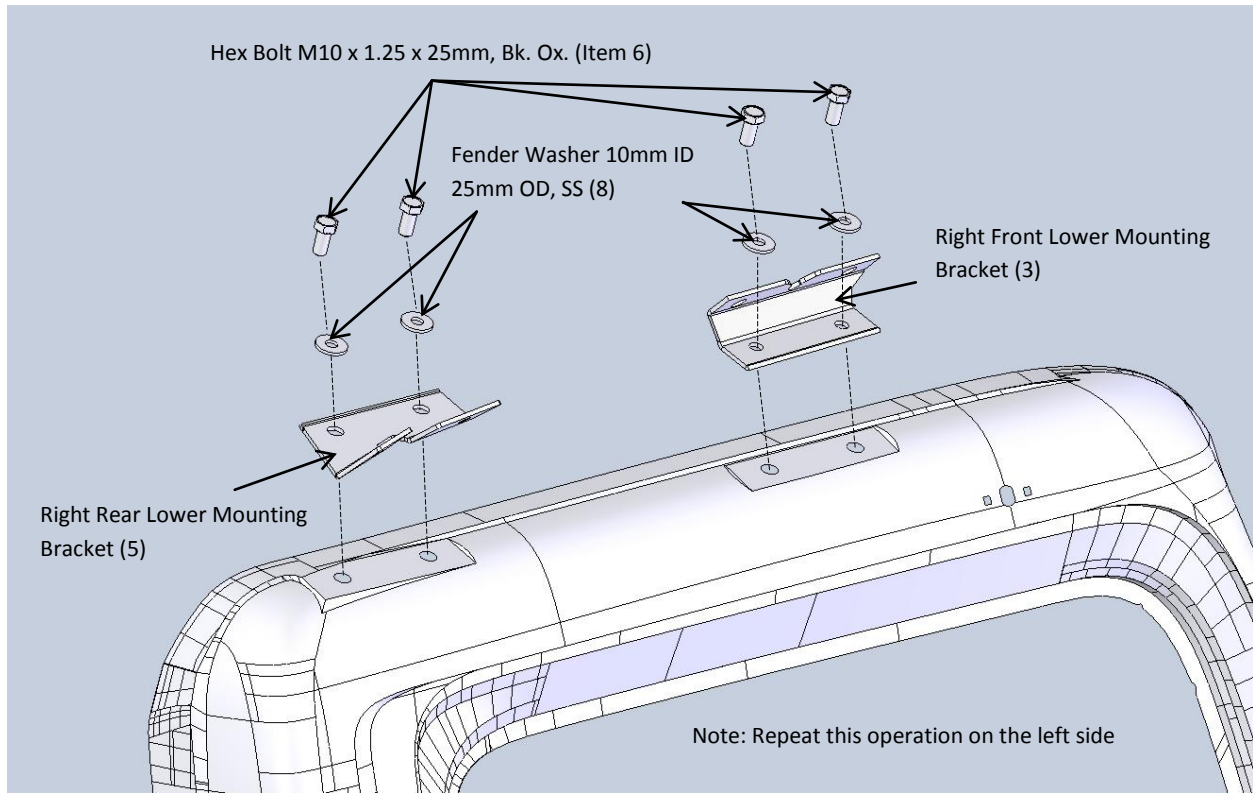


Right Rear Lower Mounting Bracket (3)



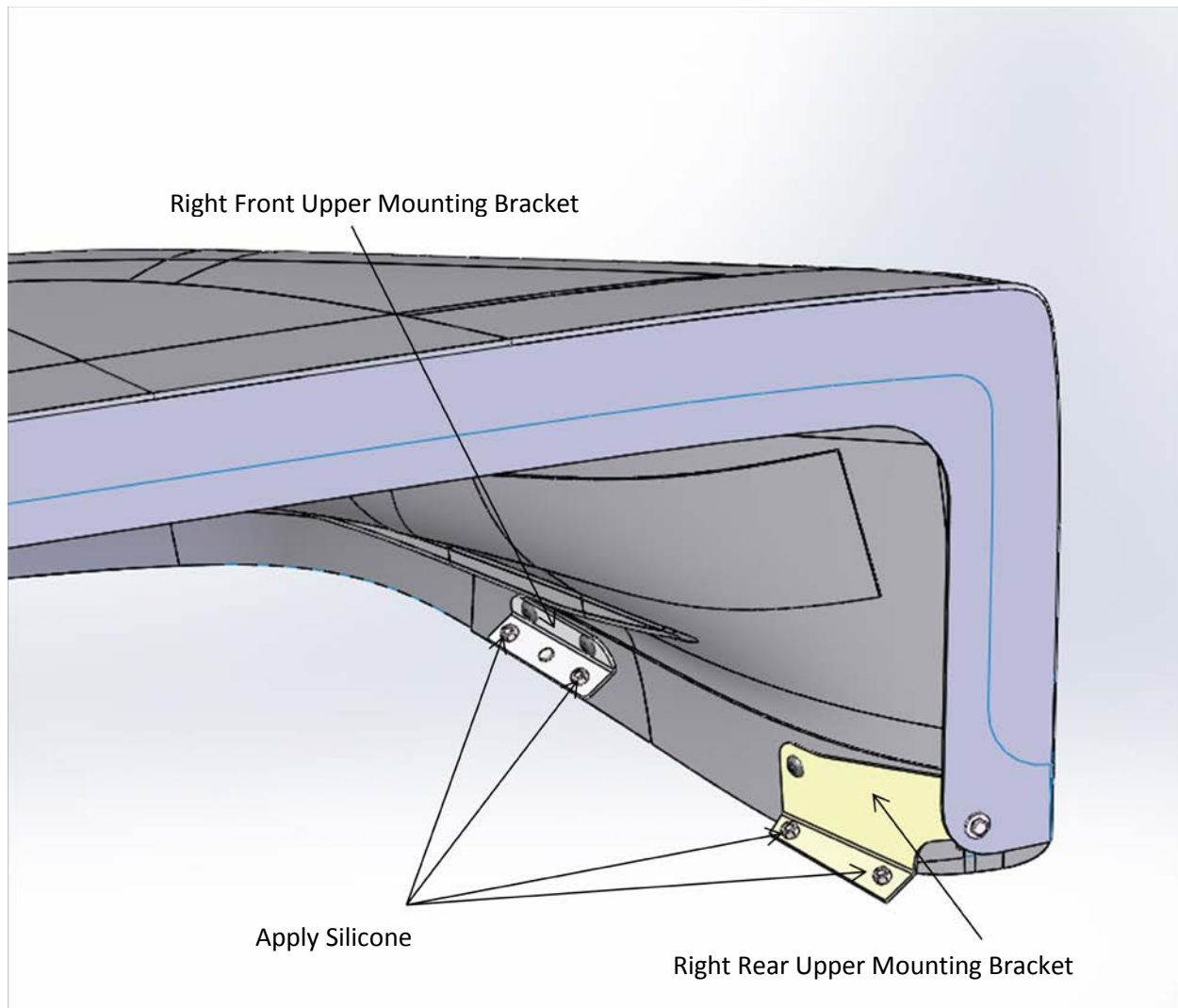
Right Front Lower Mounting Bracket (4)

7. Place a small amount of silicone (or equivalent) onto the tread of a 10mm hex bolt (1.25 x 25mm). Thread the bolt, along with a 10mm washer, through the bracket and into the roof threaded weld nut. Hand-tighten hex bolt just enough to allow bracket movement for adjustment. Repeat for the other seven fastening points.



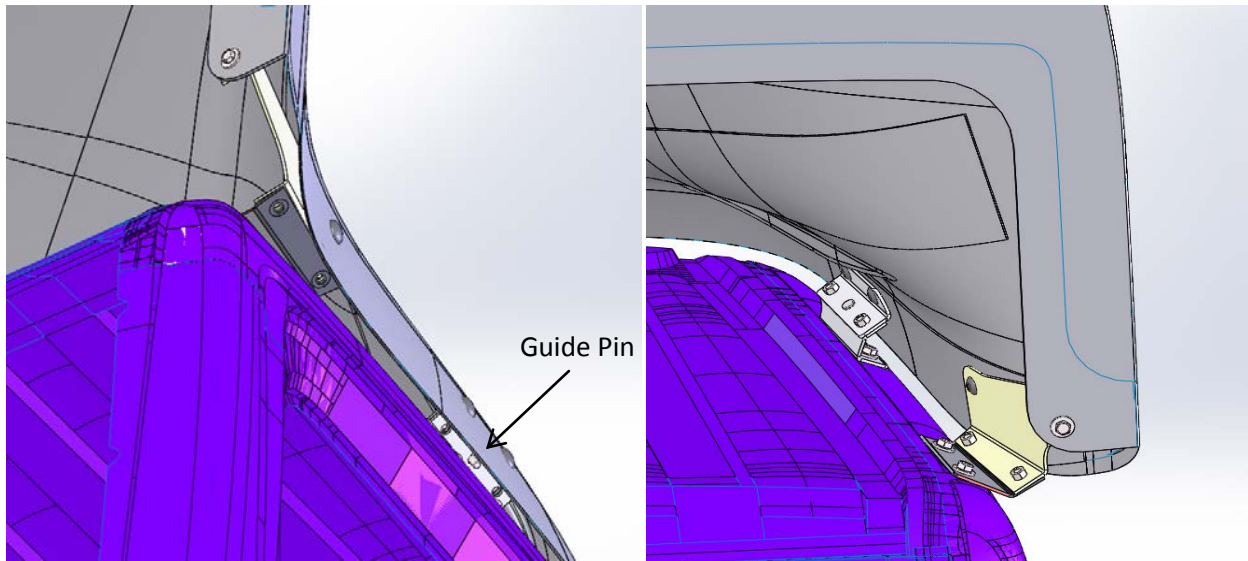
At this stage, all 4 lower mounting brackets should be attached to the roof of the cab, and all bolts should be hand tightened. The will lower mounting brackets should be in the following position:





8. Align the air deflector assembly with the lower mounting brackets (*The air deflector assembly should already be assembled with 4 upper mounting brackets*).

The front upper mounting brackets have guide pins in their centers, facing downward. When the guide pins on the right and left upper mounting brackets slide into the slots of the right and left front lower mounting brackets, this means the roof and deflector assembly are in alignment.

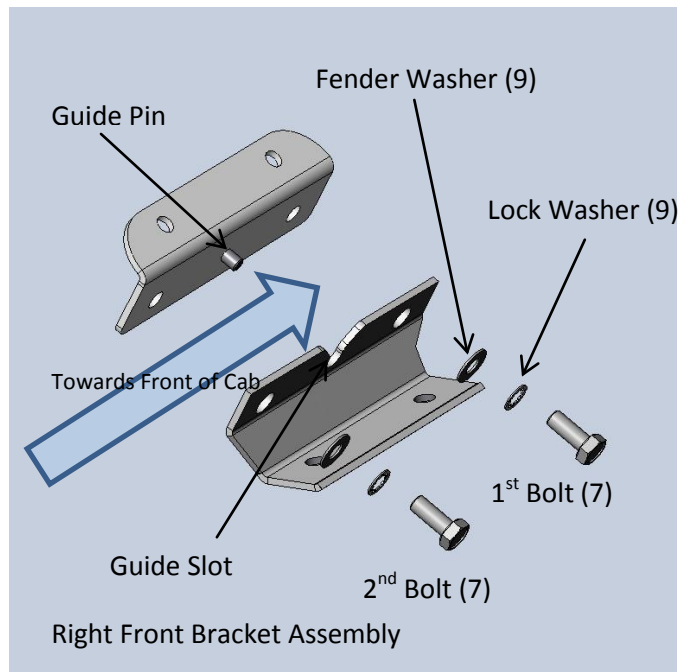


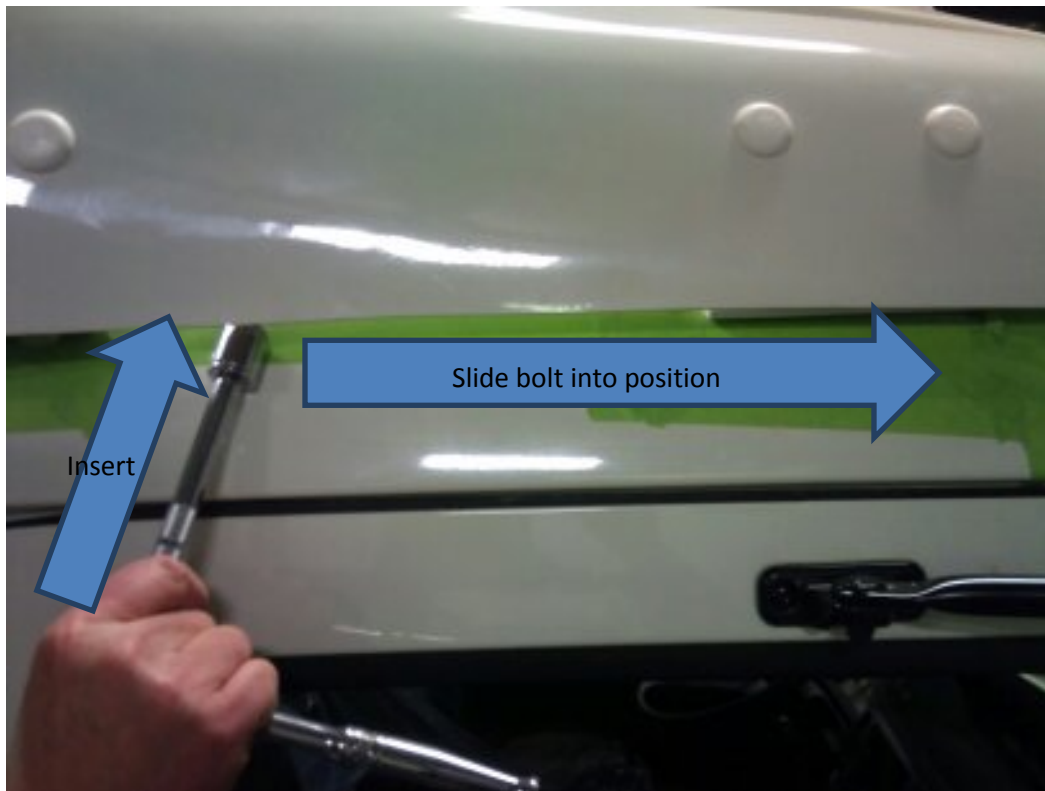
The center pin on the left and right, front upper mounting brackets must slide into the center slots of the left and right, front lower mounting brackets.

9. After applying silicone inside of the weld nuts, start assembling the front mounting brackets first (left and right), starting with the holes closest to the front of the cab. Assemble the Hex Bolt M10 x 1.5 x 30mm, SS, Fender Washer 10mm ID 25mm OD, SS and Lock Washer 10mm, SS.

The first bolt on each side should be aligned and threaded at the same time.

The socket and extension must be inserted through the gap near the middle of the deflector, with the bolt positioned in the socket. Then, slide the socket and bolt into position. Thread the bolts all the way through and hand-tighten them (with the socket extension) for slight adjustment. Continue to thread the other bolts through the other holes of each bracket assembly.





10. Once all of brackets are assembled, complete the mating process by torquing all 8 bolts, with the torque wrench, to 13 ft-lbs.

11. Use a 17mm open-ended wrench to torque down the roof bolts.

The installation of the Hino Conventional NAPS Air Deflector is now complete. This assembly should look like the pictures below.

