



## FLEXIGLASS FITTING MANUAL - SECTION FORD FLA 3.0A

### FLEXIGLASS TRAY PX FORD RANGER SC FIT - ISSA4

**Note:** Familiarise yourself with the instructions before you start to ensure you are clear on all aspects of the fit

#### SAFETY EQUIPMENT

- Hearing protection as required
- Eye protection as required

#### TOOLS REQUIRED

- Pneumatic / electric drill
- Pneumatic / electric hacksaw
- Drill bits: 21/64", 1/4" & 3/16"
- Sockets: 10, 13 & 18
- Pneumatic driver
- Rivet gun with 5mm tip
- 243 Loctite

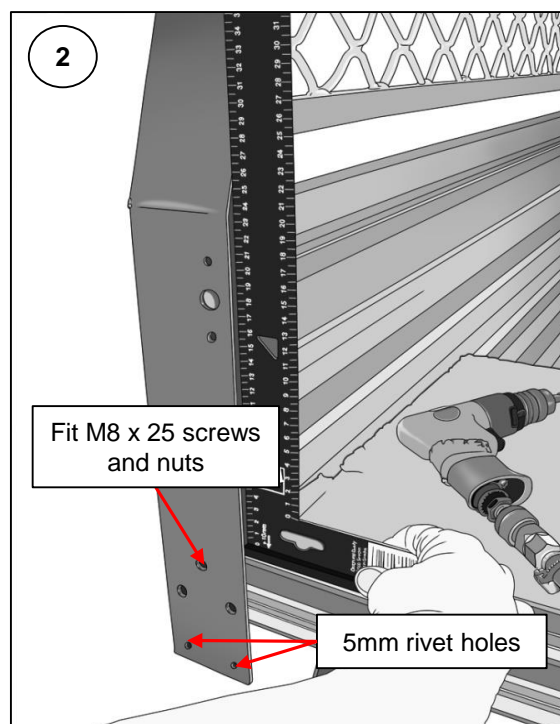
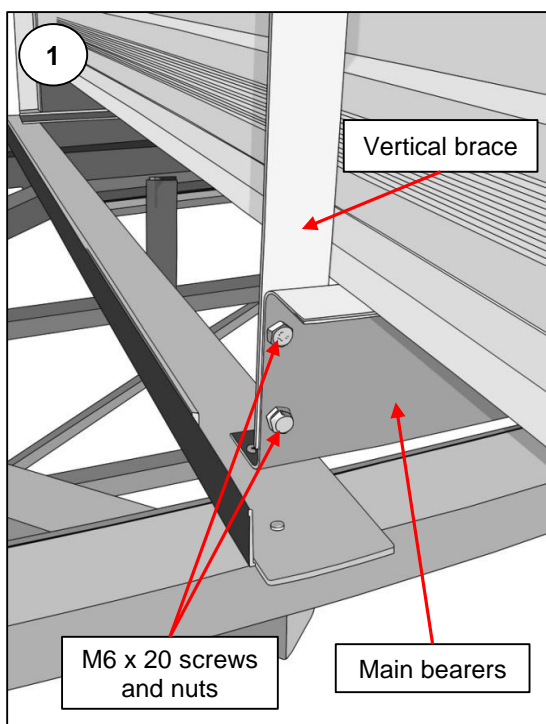
**NOTE:** If the vehicle is 2WD Hi-Rider or 4WD, 1 x PAN520 LHS & 1 x PAN530 RHS are required to replace 1 x PAN440 LHS & 1 x PAN450 RHS which are in TRSTDFITKIT.

#### FORD RANGER SC KITBOM

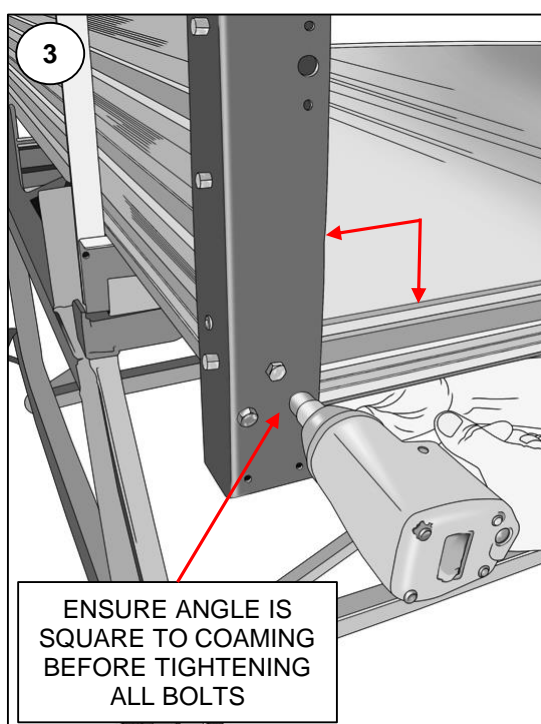
No.	Description	Quantity per	Unit of Measure Code
BADGE140	Badge Ford Oval	1	EACH
MFLP290	Mudflap Black Wide Ford	2	EACH
BAR310FC	Bar Universal Cross Mount Coat	4	EACH
BLK200C	Block For Cross Bars 40MM Coat	8	EACH
BLTHHZP1290	Bolt & Nut Hex ZP 12X90mm	6	EACH
NUT12C	Nut Channel M12	8	EACH
NUT6N	Nut Nyloc M6	29	EACH
NUT8N	Nut Nyloc M8	16	EACH
PLT390C	Fish Plate forTrayBearers Coat	8	EACH
RIVET200	Rivet 6-6 Steel	12	EACH
SCRHHSS620	Screw Set Hex Head S/S 6x20mm	16	EACH
SCRHHSS825	Screw Set Hex Head S/S 8x25mm	16	EACH
SPACER40	Mounting Cross Bar Spacer	10	EACH
SPACER50	Mounting Block Spacer 10MM	8	EACH
BKT420	Bracket Fuel Filler	1	EACH
TIE100	Tie Cable BLK 4.8x300mm	6	EACH
WSH10	Washer BRT Z/P 1/2x1-7/8x14G	9	EACH
WSH180	Washer Brt Z/P 1/4x5/8x18G	4	EACH
WSH220	Washer 5/16 X 3/4 Flat	4	EACH
WSH240	Washer Brt Z/P 1/2x1-1/8x16G	8	EACH
BLTHHZP12100	Bolt & Nut Hex ZP 12X100mm	2	EACH
WSH300	Washer Spring Z/P 12x2.5x2.5mm	8	EACH
FPTSTD07	FP Tray Std 2390x1860	1	EACH

## ATTACHING THE HEADBOARD

- 1 Lift the front of the deck up and support the bearers on blocks.
- 2 Lift the headboard into place on the front of the tray deck and clamp the ends of the vertical braces to the front end of the main bearers. Loosely fit the M6 screws and nuts. See ILL 1.
- 3 Use a square to position the headboard perpendicular to the deck (the clamps will allow enough slip for a bump from the heel of your hand to move it forwards or backwards). See ILL 2.



- 4 Fit the **SCRHHSS825 & NUT8N** through the holes, check again for square, then tighten them. See ILL 3.



- 5 Fix the vertical braces to the front floor plank with 2 of **RIVET200** 5mm pop rivets.
- 6 Fit 5mm pop rivets through the headboard angle and into the rope rail tube, pull up tight with a suitable pop rivet gun or plier.

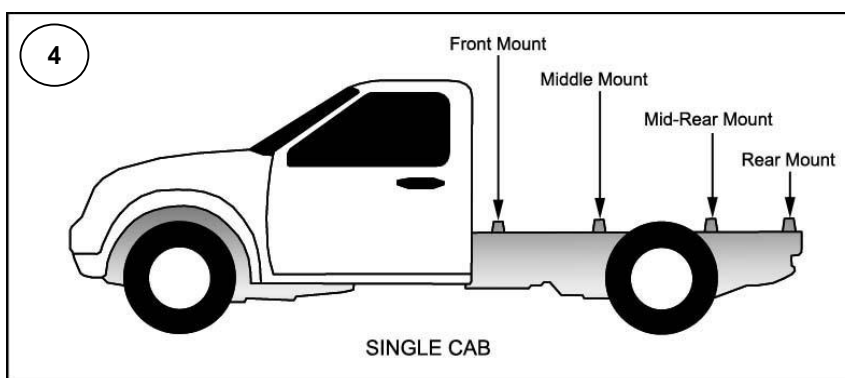
## FITTING THE TRAY

### Note:

When removing the fuel filler transit bracket from the chassis leave it attached to the fuel filler neck as it will be re-used when mounting the tray.

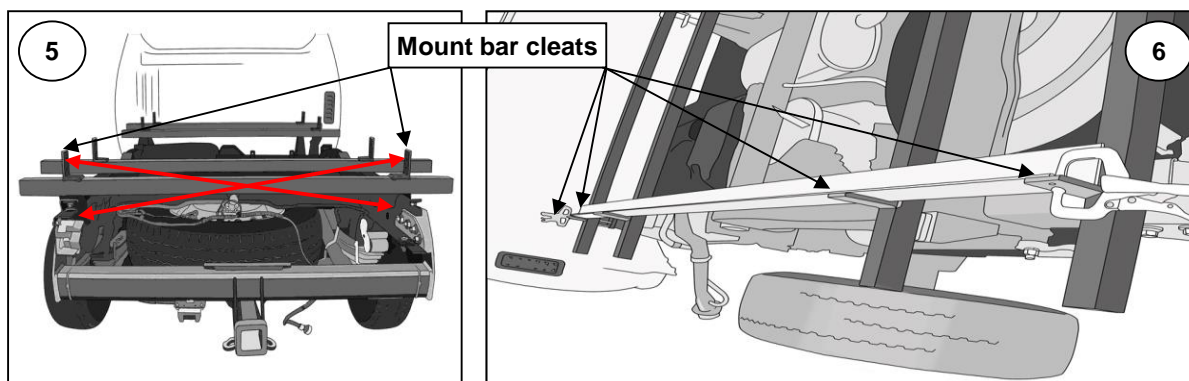
- 1 Refer to **image 4** showing single cab mounting positions. Locate these positions on the vehicle.  
**Note:** All mount points on the vehicle must be used when fitting a Flexiglass Tray.
- 2 Refer to mount diagrams on **Page 4** which illustrates standard part usage for mounts on S/C Ford Ranger and Flexiglass Tray.

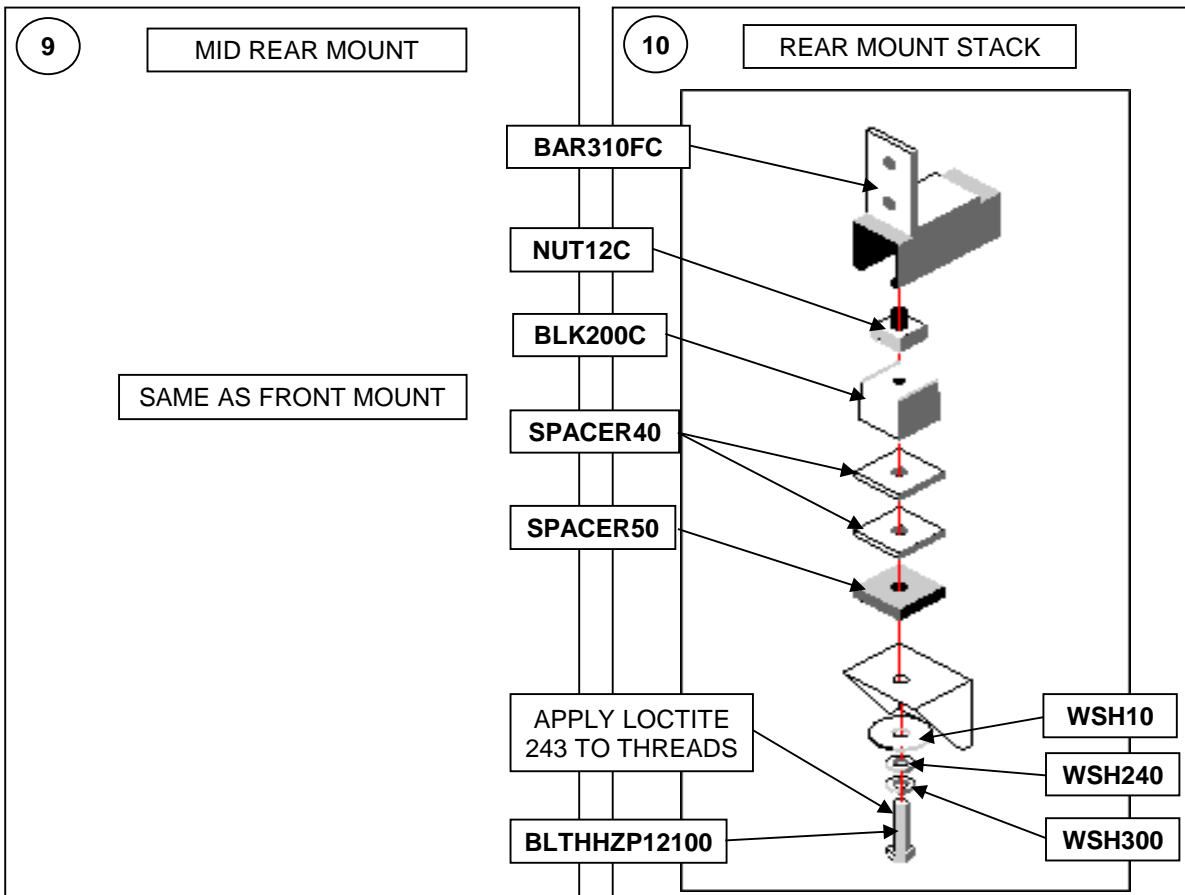
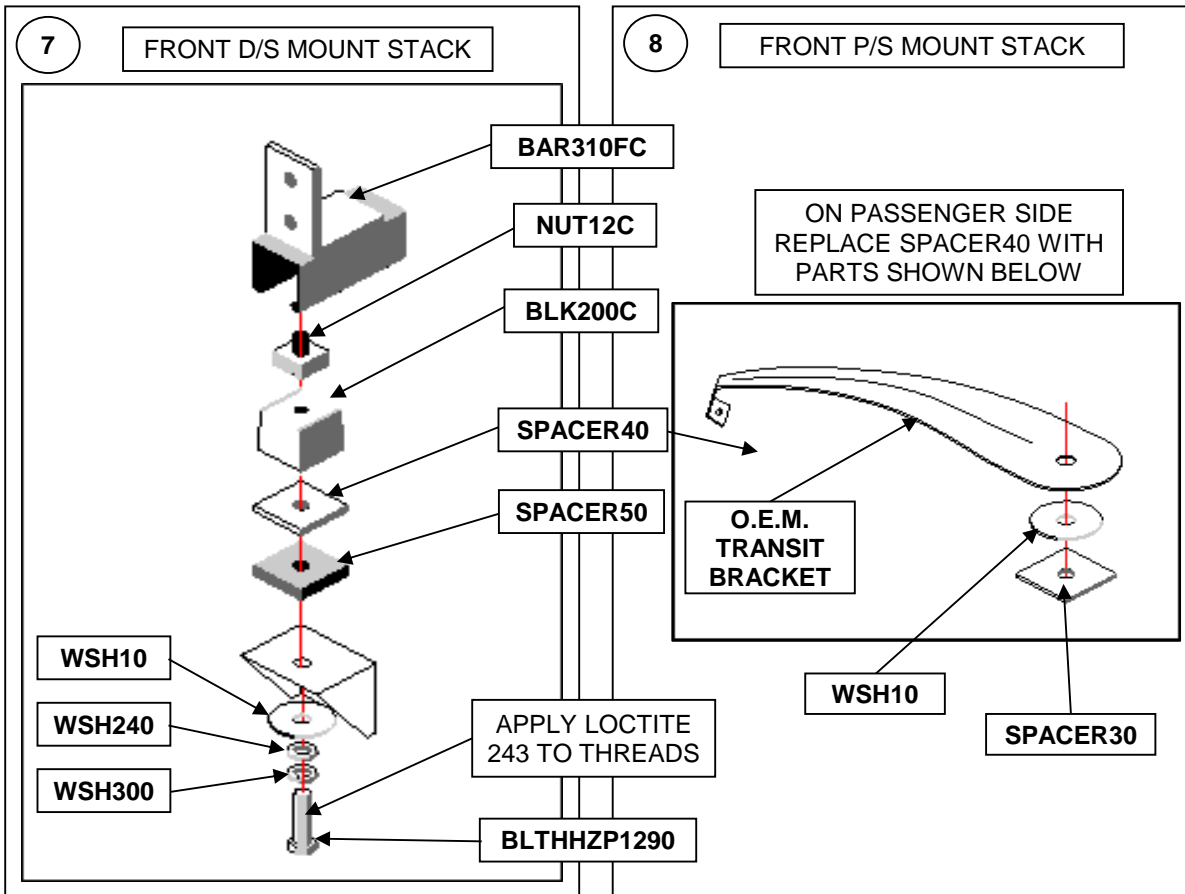
- 3 Fit the mounts in place on the chassis, using the parts and applying lock tight to thread as shown in the four diagrams on **Page 4**.



- 4 With all parts in place and the bolts still loose check the front and rear mounts are central over the chassis by measuring from the inside of one mount cleat to the inside of the opposite chassis rail. Repeat this for the other mount cleat and rail, sliding the mounting cross bar "to and fro" until the measurements are equal. See **ILL 5**.

- 5 Tighten the four bolts securing the front and rear mount bars to the chassis mounts.
- 6 Place a length of **ALUM10** between the vertical faces on one side of the front and rear mounting cross bar cleats and clamp it to them. See **ILL 6**.
- 7 Slide the middle and mid-rear mount cross bars across until the cleats are against the same face of the angle as the front and rear cleats.  
**Note:** This ensures that all four bars are now central and in line with each other.
- 8 Tighten the four bolts securing the middle and mid-rear mounting cross bars.

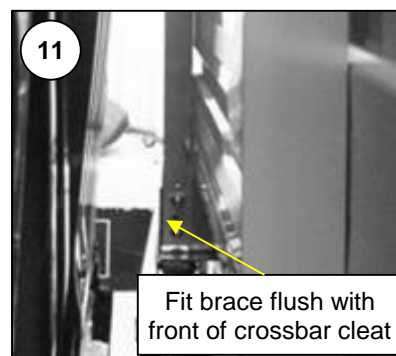




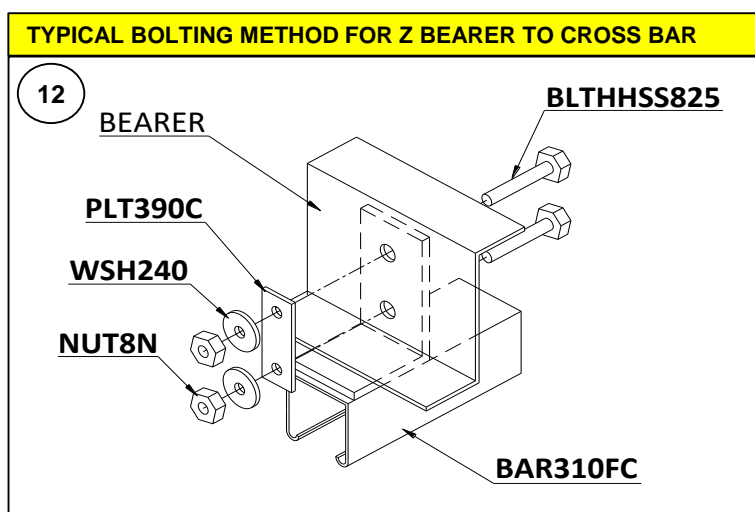
**Note:**

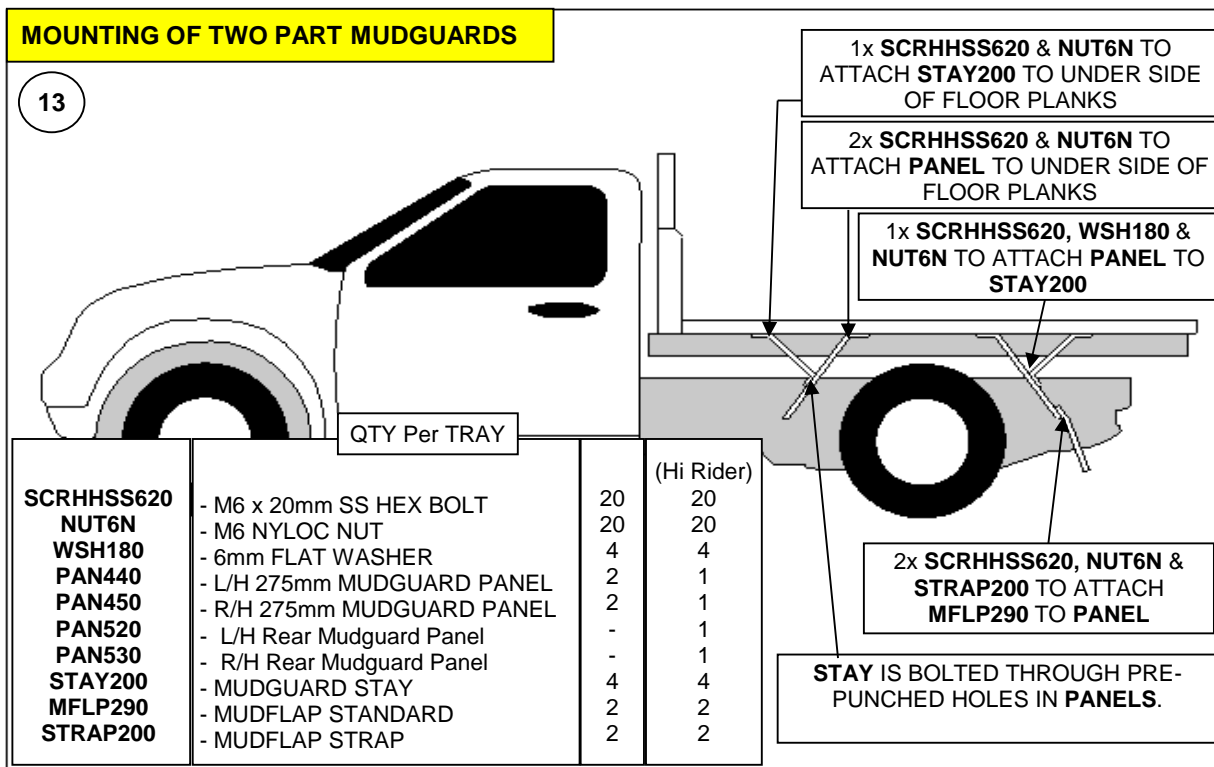
When tightening the left hand middle mount bolt, ensure that the fuel filler neck is at ninety degrees to the chassis, looking from above.

- 9 Lower the tray with the bearers between the cross bar cleats and the brace bearer bolts just in front of the front ones. See **photo 11**. There will only be about a fingers width between the tray headboard and the cab vents. Ensure the tray does not overhang more than 700mm from the last mounting point at the chassis rear.
- 10 Once the tray is lined up drill 21/64" holes into the bearers using the mounting cross bar as a guide. See **ILL 12**.  
**Note:** It will not be possible to fit **PLT390C** fishplates at the front crossbar.



- 11 Once the tray is lined up drill 21/64" holes into the bearers using the mounting cross bar as a guide. See **ILL 12**.
- 12 Secure tray to the bearers as shown in the diagram adjacent.  
**Note:** It will not be possible or necessary to fit the **PLT390C** fish plates to the front mounts.
- 13 The stays are mounted to the mudguards in pre-drilled holes using 1 of **SCRHHSS620**, **WSH180** & **NUT6N**.





**Note:**

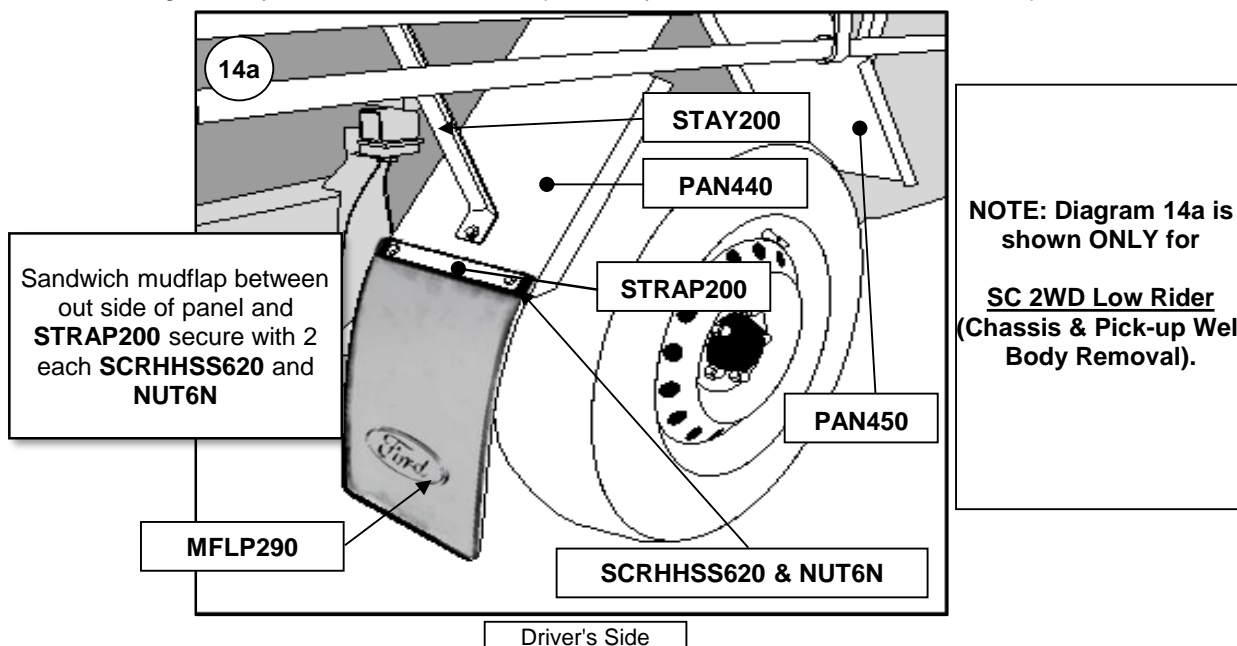
Due to the proximity of a body mount bracket on the chassis one pair of **STAY200** will need to be altered to have the same angles; so that the front mudguard panels can be mounted at an increased angle to give adequate clearance. **See ILL 15 for finished position.**

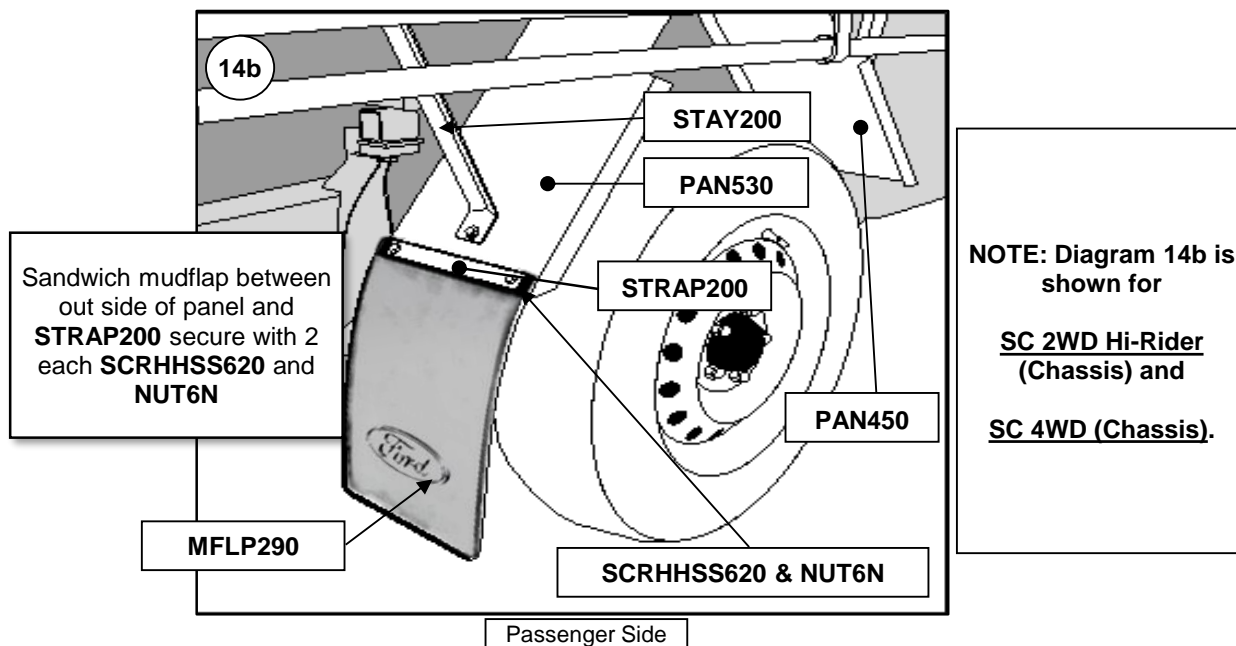
- 14 Mount the mudguards to the underside of the tray deck by lining up the pre-punched holes in the mudguard with one of the ribs running across the underside of the tray. Drill 1/4" holes and attach with 2 of **SCRHHSS620 & NUT6N**.

**Note:** Make sure the spacing between the mudguard and wheel is sufficient for both aesthetic and functional purposes. **See Diagram 13 above.**

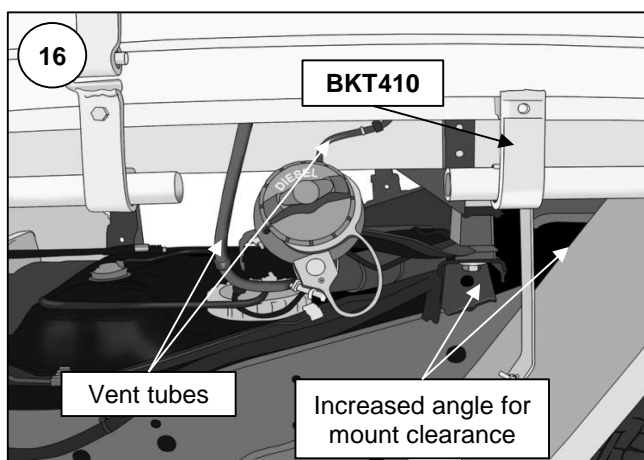
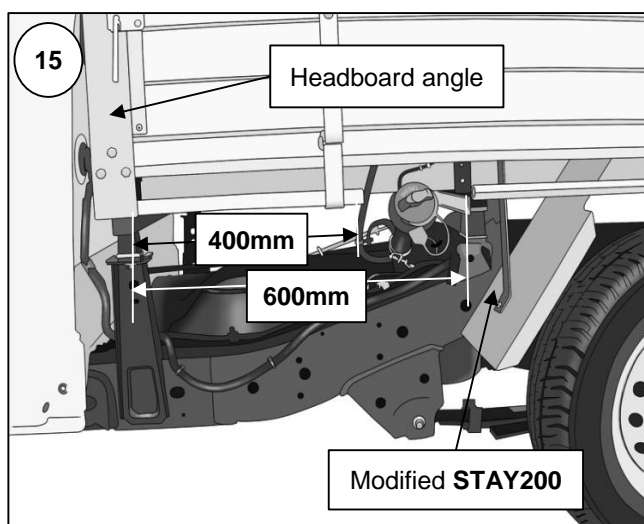
- 15 Attach the other end of the stay to the underside of the tray using same method but with only one fixing.
- 16 Attach both MFLP290 mud flaps to the mudguards using 4 of SCRHHSS620 & NUT6N as well as 2 of **STRAP200** as shown in **Diagram 14a & 14b** below.

**Note:** Diagram only shows one side and requires only 2 bolts, washers, nuts and 1 strap.





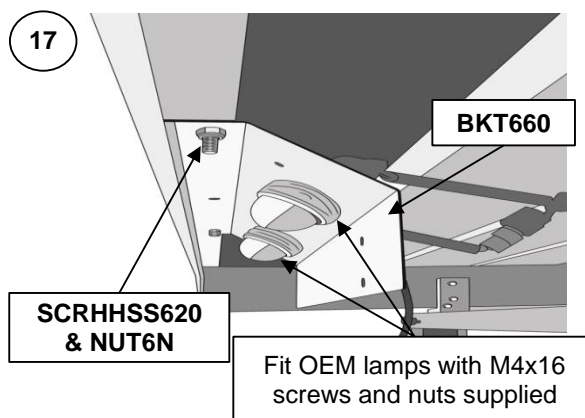
- 17 From the rear of the headboard angle measure and mark two cutting positions, 400mm and 600mm towards the rear (this will bracket the fuel filler position). Cut and remove the 200mm of rope rail between the marks. See ILL 15.
- 18 Slide a **BKT410** over the rearward section of rope rail so that it matches the other cut end. Fix with a **SCRHHSS625 & NUT6N** to the coaming and a **RIVET200** to the rail. See ILL 16.
- 19 Fit a **CAP220** to the cut ends of the rope rail.
- 20 Attach the vent hoses to the underside of the deck planks, using the clips fitted to them, wherever convenient.



- 21 Attach **BKT660** Number plate bracket in the centre at the rear end of the tray as shown in the image to the right. Use 2 of M6x20 SS bolts and M6 Nylock nuts to fit to the underside of tray. See **ILL 17**.

**Important:** BKT660 Number plate bracket must be fitted to the rear end of the tray to meet ADR requirements (as shown in the image).

- 22 Pass connectors and cables through the holes in the the **BKT660** and fix the OEM lamps in place using the four **SCRPHSS416** & **NUTSSM4** supplied.



- 23 The OEM tail lamps and brackets should now be attached to the underside of the tray rear using **SCRHHSS620** and, **NUT6N**, ensure that the lenses are fully exposed and the indicator lenses are to the outside. See **ILL 18 & 19**.

- 24 All lamps can be re connected using the existing plugs and sockets, check for correct operation.

- 25 Restrain loose electrical cable by tying to bearers and cross bars with **TIE100** supplied.

- 26 Detail and clean the tray for delivery to the client.

- 26 The OEM tail lamps and brackets should be lowered using **NUT10N** & **BLTHHZP640**. See **ILL 20**

