



FLEXIGLASS FITTING MANUAL - SECTION FORD FLA 3.0B

FLEXIGLASS TRAY PX FORD RANGER SUPER CAB FIT - ISSA3

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

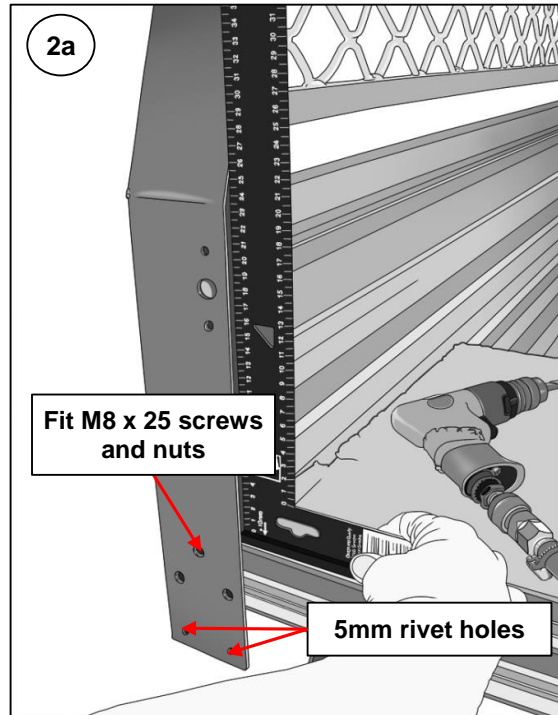
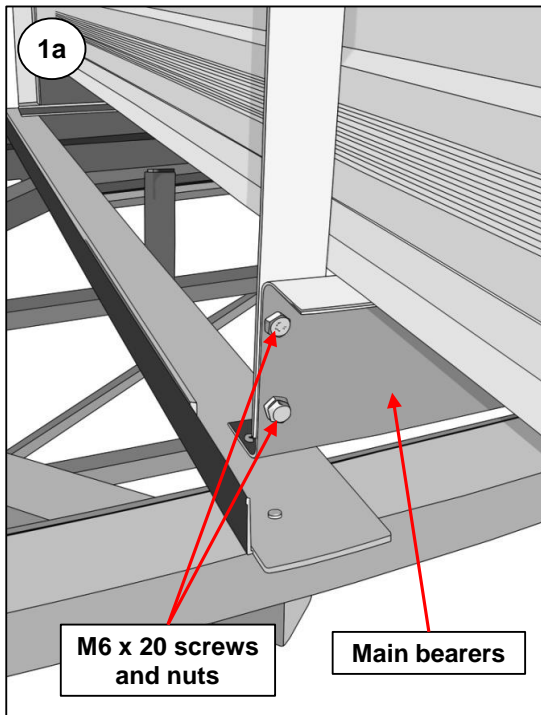
- Pneumatic / electric drill
- Pneumatic / electric hacksaw
- Drill bits: 21/64", 1/4" & 3/16"
- Sockets: 10, 13 & 18
- Pneumatic driver
- Rivet gun with 5mm tip
- Loctite 243

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.

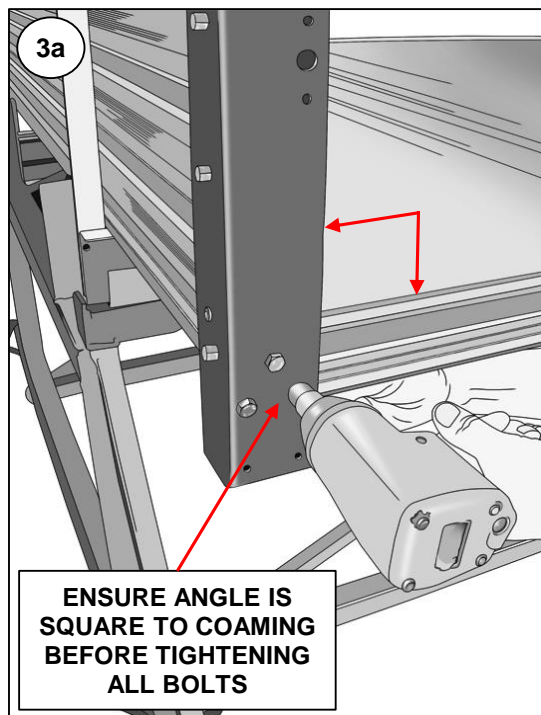
No.	Description	Quantity per	Unit of Measure Code
BADGE140	Badge Ford Oval	1	EACH
MFLP290	Mudflap Black Wide Ford	2	EACH
BAR310FC	Bar Universal Cross Mount Coat	3	EACH
BLK200C	Block For Cross Bars 40MM Coat	6	EACH
BLTHHZP1290	Bolt & Nut Hex ZP 12X90mm	6	EACH
NUT12C	Nut Channel M12	6	EACH
NUT6N	Nut Nyloc M6	16	EACH
NUT8N	Nut Nyloc M8	12	EACH
PLT390C	Fish Plate forTrayBearers Coat	4	EACH
RIVET200	Rivet 6-6 Steel	14	EACH
SCRHHSS620	Screw Set Hex Head S/S 6x20mm	12	EACH
SCRHHSS825	Screw Set Hex Head S/S 8x25mm	12	EACH
SPACER30	Mounting Spacer 50 X 50 X 3	1	EACH
SPACER40	Mounting Cross Bar Spacer	5	EACH
SPACER50	Mounting Block Spacer 10MM	6	EACH
TIE100	Tie Cable BLK 4.8x300mm	6	EACH
WSH10	Washer BRT Z/P 1/2x1-7/8x14G	7	EACH
WSH180	Washer Brt Z/P 1/4x5/8x18G	4	EACH
WSH220	Washer 5/16 X 3/4 Flat	12	EACH
WSH240	Washer Brt Z/P 1/2x1-1/8x16G	6	EACH
WSH300	Washer Spring Z/P 12x2.5x2.5mm	6	EACH
FPTSTD05	FP TRAY STD 2135X1860	1	EACH
FUELSTAY10	Fuel Neck Stay	1	EACH
PAN520	PANEL LH MUDGUARD	1	EACH
PAN530	PANEL RH MUDGUARD	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 1a**.
- 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 2a**.



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

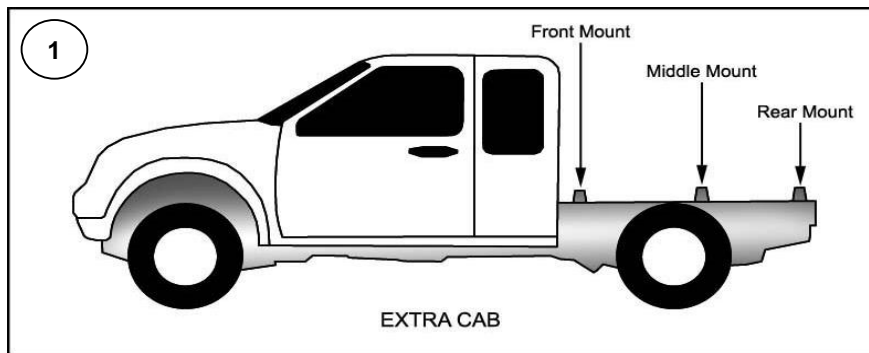


- 5 Fix the vertical braces to the bearer ends by tightening 4 of **SCRHHSS620 & NUT6N** as in **ILL 1a**. At the same time fit 5mm pop rivets into the front plank and tighten with a rivet gun or plier.
- 6 Fit 5mm pop rivets through the headboard angle and into the rope rail tube, pull up tight with a suitable pop rivet gun or plier.

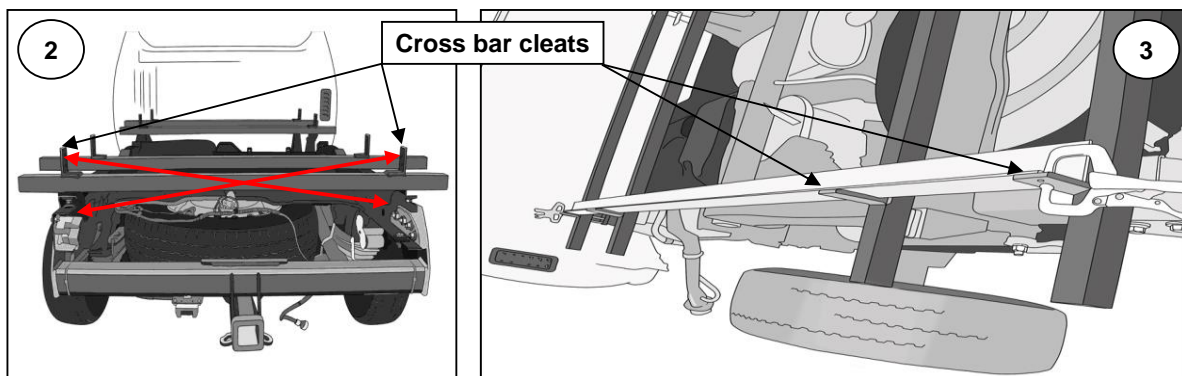
FITTING THE TRAY

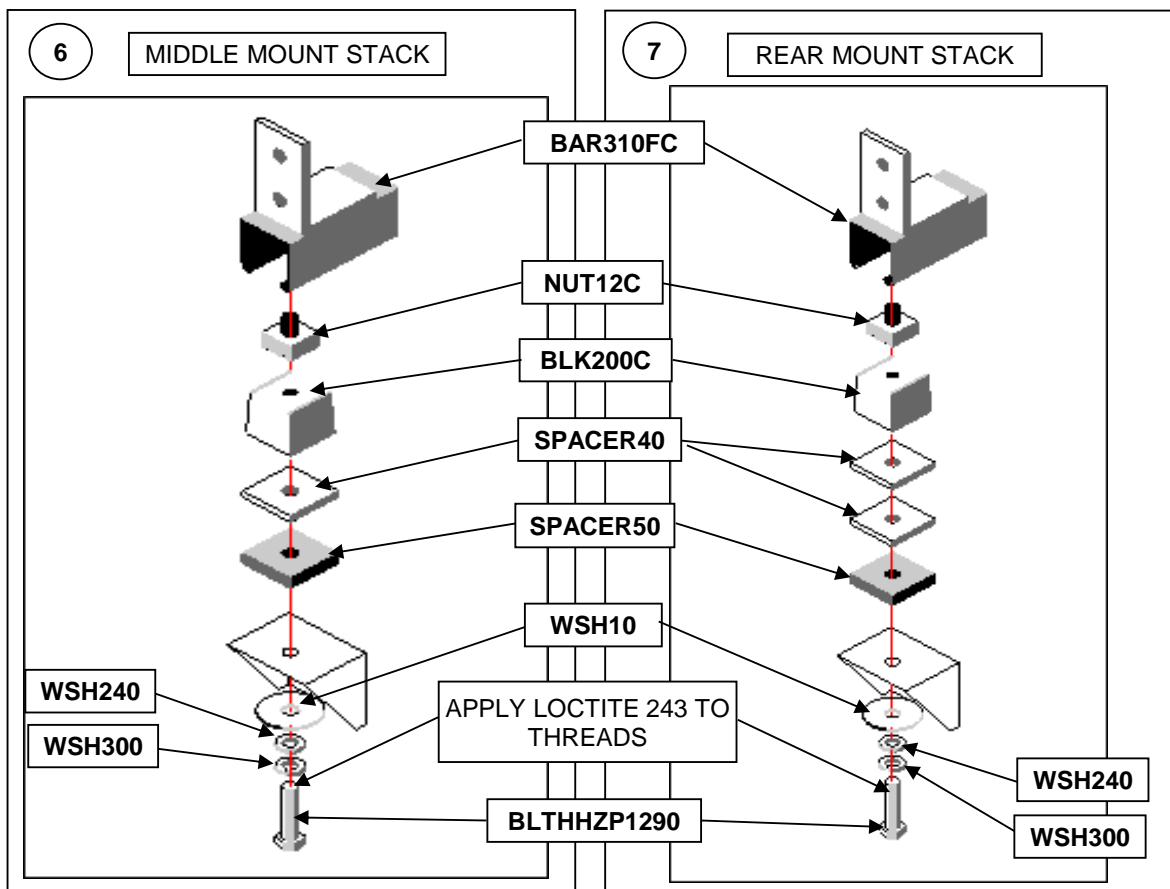
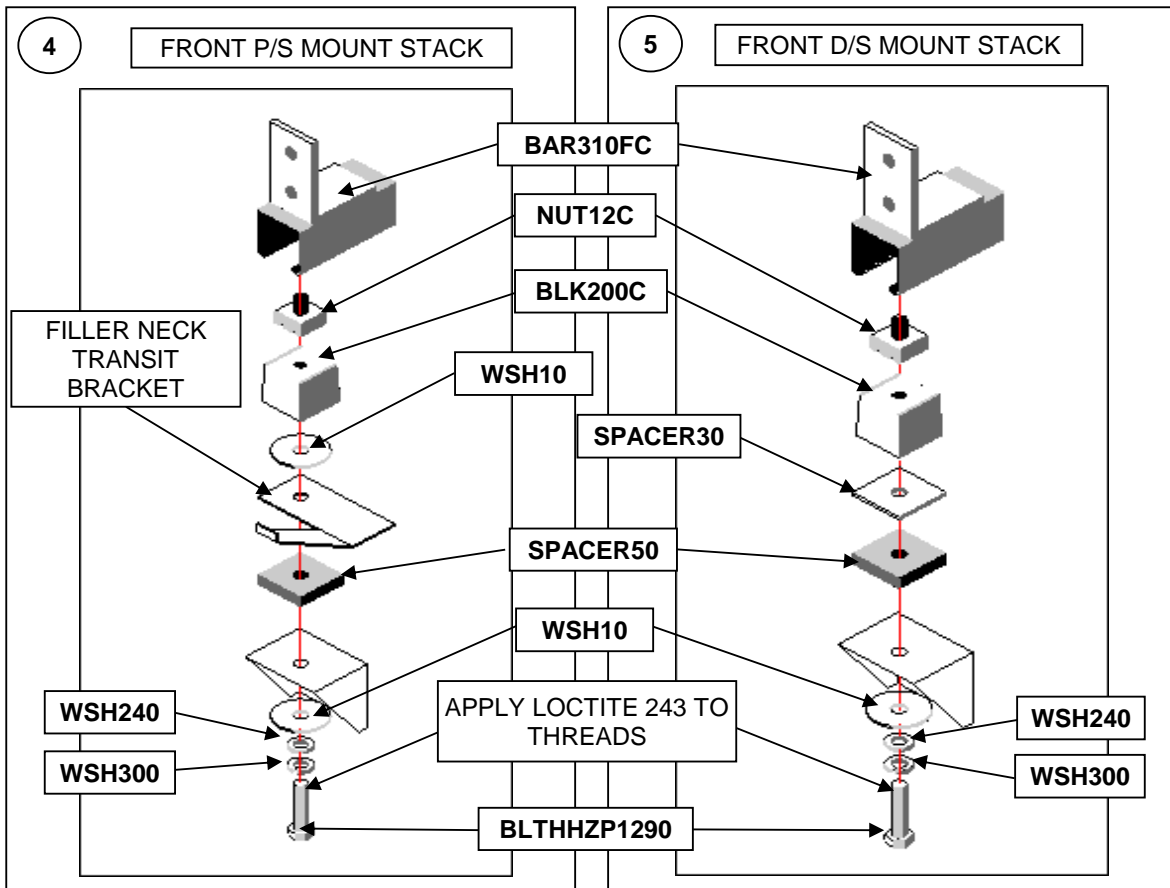
- 1 Refer to **ILL 1** showing extended cab mounting positions. Locate these positions on the vehicle.
Note: All mount points on the vehicle must be used when fitting a Flexiglass Tray.
- 2 Refer to mount diagrams on **Page 4** which illustrates standard part usage for mounts on EC Ranger PX and Flexiglass Tray.
- 3 Fit the mounts in place on the chassis, using the parts and applying lock tight to thread as shown in the diagrams on **Page 4**.

NOTE: THERE IS A DIFFERENCE BETWEEN THE PASSENGER AND DRIVER SIDE FRONT MOUNT STACKS, READ DIAGRAMS CAREFULLY.

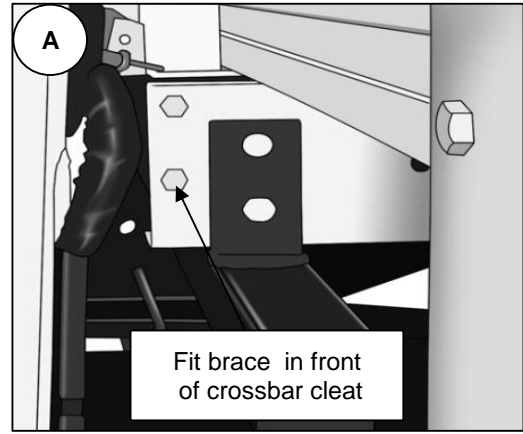


- 4 With all parts in place and the bolts still loose check the front and rear mounts are central over the chassis by measuring from the inside of one mount cleat to the inside of the opposite chassis rail. Repeat this for the other mount cleat and rail sliding the mounting cross bar "to and fro" until the measurements are equal. See **ILL 2**.
- 5 Tighten the four bolts securing the mount bars to the chassis mounts front and rear.
- 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 3**.
- 7 Slide the middle cross bar across until the cleats are against the same face of the angle as the front and rear cleats. **Note:** This ensures that all three bars are now central and in line with each other.
- 8 Tighten the two bolts securing the middle mounting cross bar.

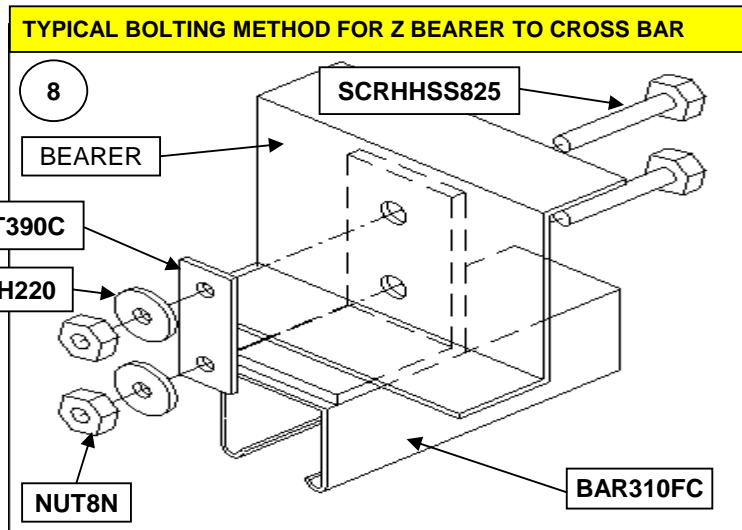




- 9 Lower the tray with the bearers between the cross bar cleats and the brace bearer bolts just in front of the front ones. See **photo A**. There will only be about a fingers width between the tray headboard and the cab vents. Ensure the tray does not overhang more than 700mm from the last mounting 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 8**. **Note:** It will not be possible to fit **PLT390C** fishplates at the front crossbar.

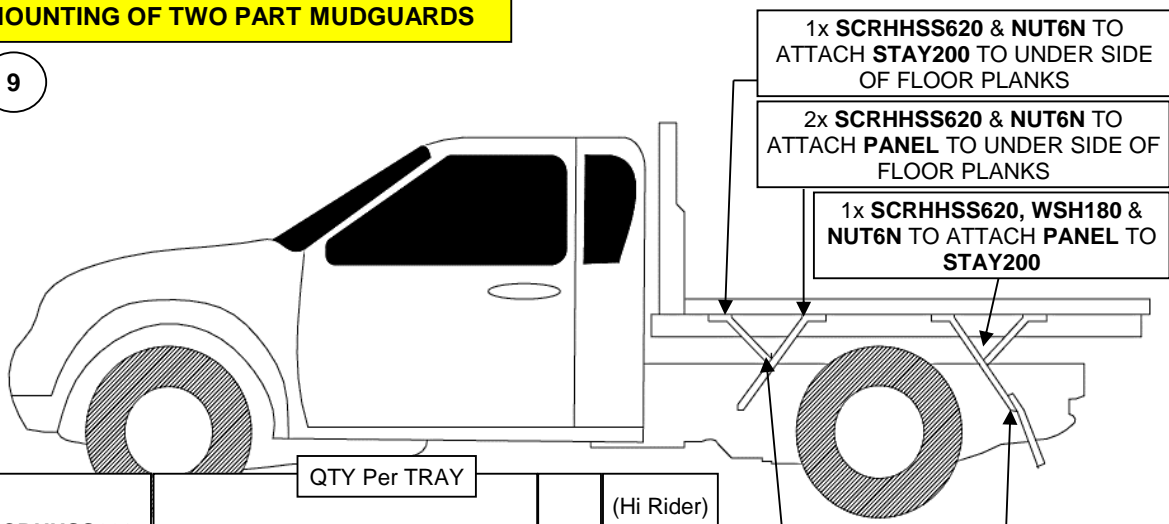


- 12 Secure tray to the bearers as shown in the diagrams adjoining.
- 13 The stays are mounted to the mudguards in pre-drilled holes using 1 of **SCRHHSS620**, **WSH180** & **NUT6N**.



MOUNTING OF TWO PART MUDGUARDS

9



		QTY Per TRAY	
			(Hi Rider)
SCRHHSS620	- M6 x 20mm SS HEX BOLT	20	20
NUT6N	- M6 NYLOC NUT	20	20
WSH180	- 6mm FLAT WASHER	4	4
PAN440	- L/H 275mm MUDGUARD PANEL	2	1
PAN450	- R/H 275mm MUDGUARD PANEL	2	1
PAN520	- L/H Rear Mudguard Panel	-	1
PAN530	- R/H Rear Mudguard Panel	-	1
STAY200	- MUDGUARD STAY	4	4
MFLP290	- MUDFLAP STANDARD	2	2
STRAP200	- MUDFLAP STRAP	2	2

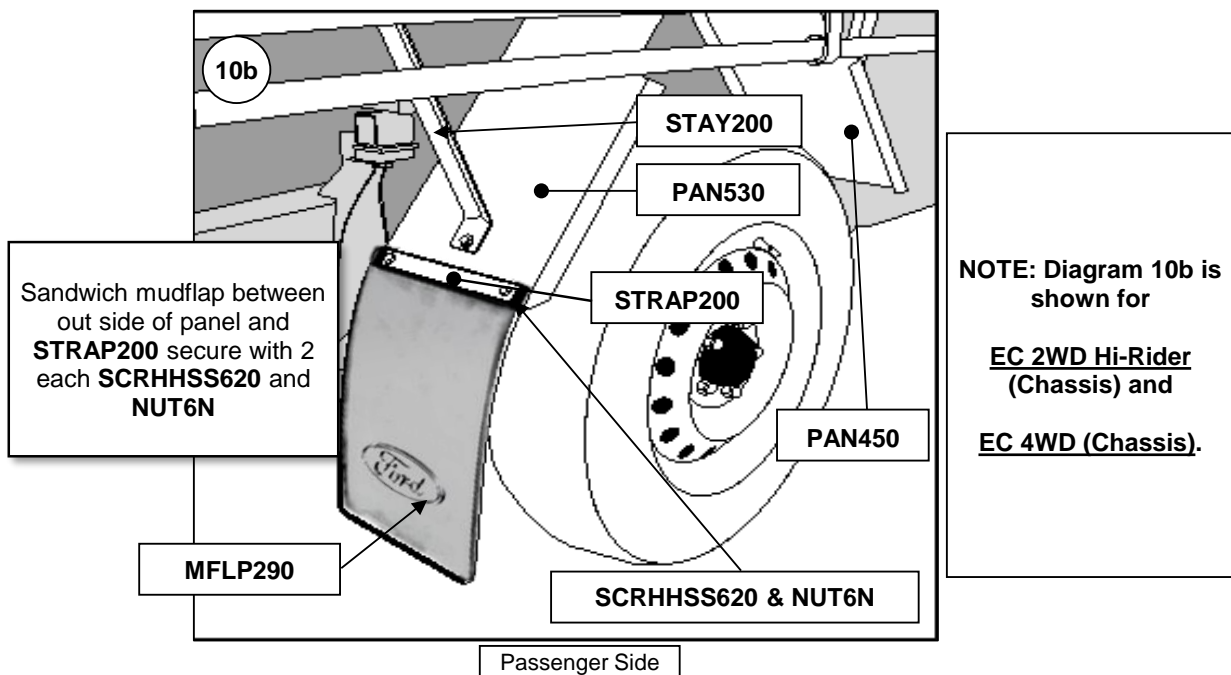
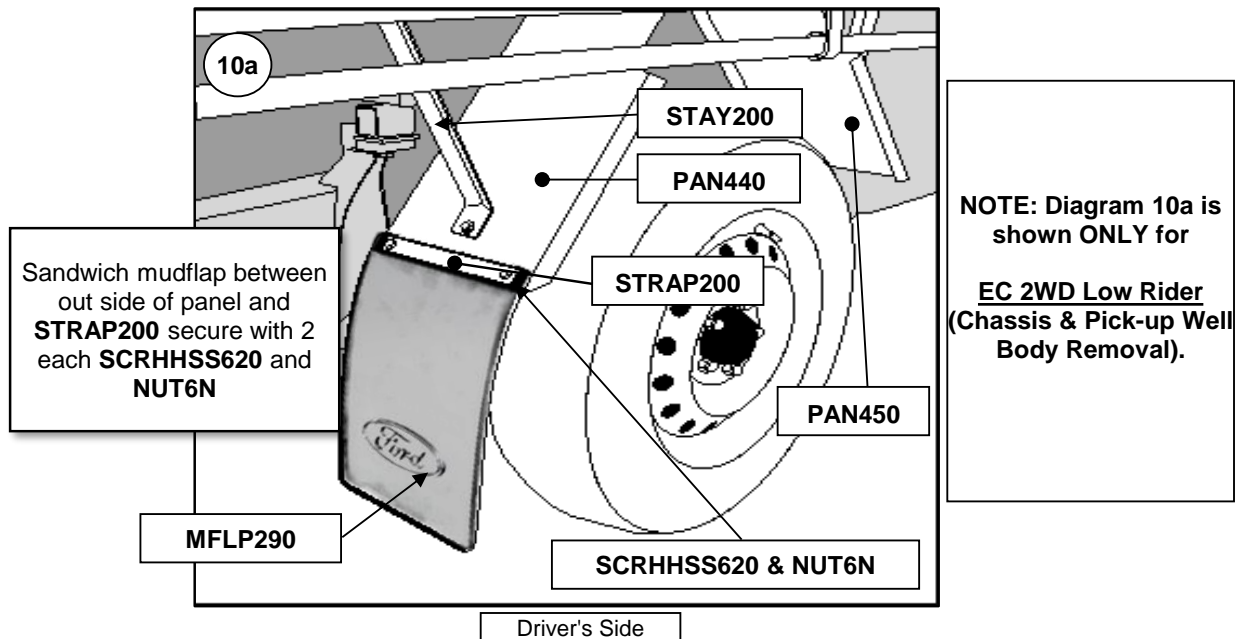
- 14 Mount the mudguards to the underside of the tray deck by lining up the pre-punched holes in the mudguard with one of the ribs running along the underside of the tray. Drill 1/4" holes and attach with 2 of **SCRHHSS620 & NUT6N**.

Note: The holes, pre-punched in the plank flange, position the mudguards at their widest position without reference to the vehicle track width. Legally the guard must cover both sidewalls of the tyres which may require the guard panels to be positioned off the plank holes. Make sure the spacing between the mudguard and wheel is sufficient for both aesthetic and functional purposes. See **ILL 9** above.

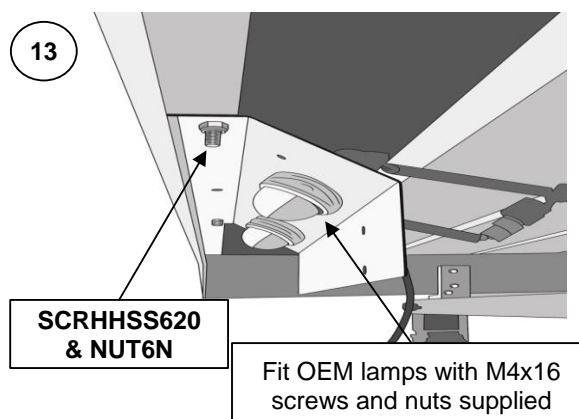
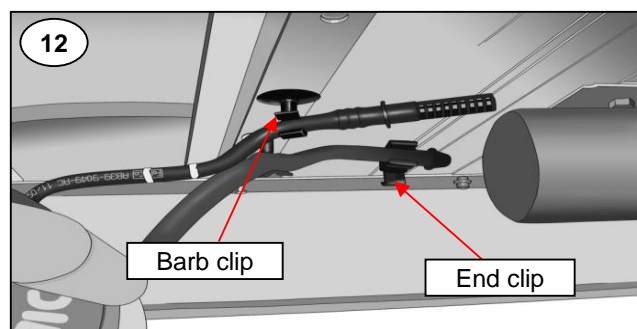
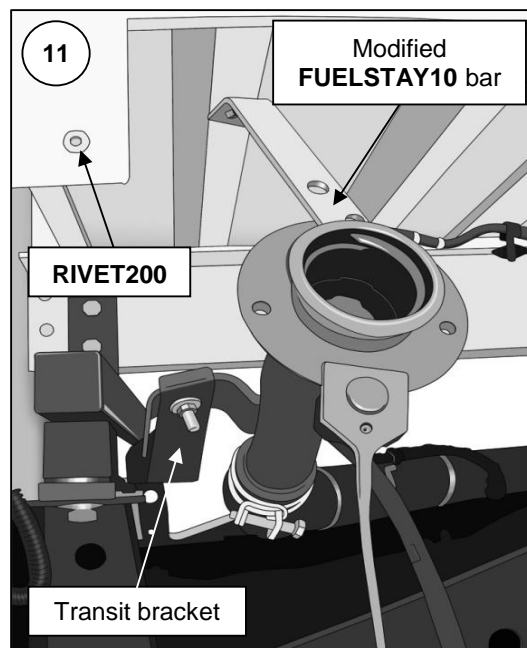
- 15 Attach the other end of the stay to the underside of the tray using same method but with only one fixing.

- 16 Attach both **MFLP290** mud flaps to the mudguards using 4 of **SCRHHSS620 & NUT6N** as well as 2 of **STRAP200** as shown in the **Diagram 10a & 10b** below.

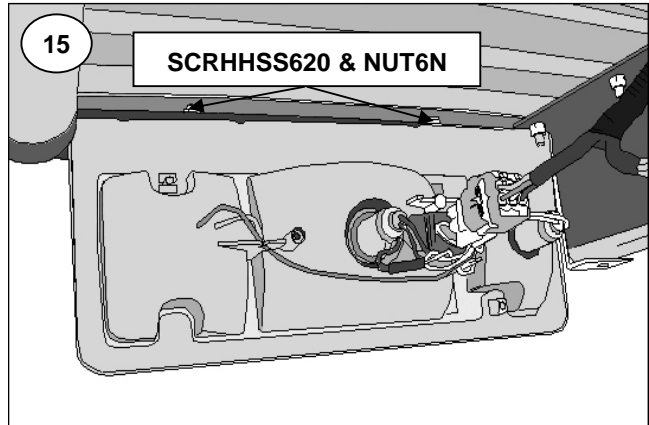
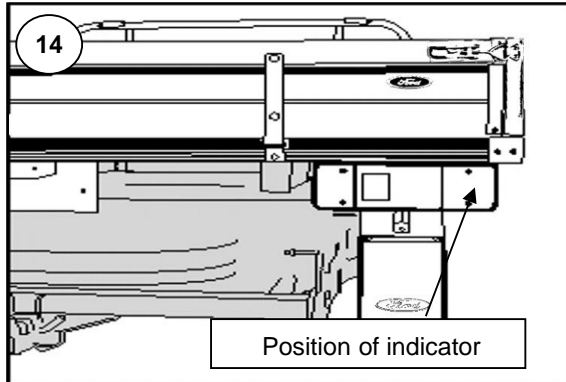
Note: Diagram only shows one side and requires only 2 bolts, washers, nuts and 1 strap.



- 17 On the passenger side of the tray, mark the rope rail about 30mm in front of the front side board hinge, cut through the rail at this point.
- 18 Drill out the rivets securing the cut piece to the headboard angle and discard. Fit new **RIVET200** to the vacant holes in the angle and fit a **CAP220** to the cut end of the rail. See **ILL 11**.
- 19 Attach the fuel filler neck to the transit bracket re-fitted to the front mount in stage 3 using a **SCRHSS620, WSH180 & NUT6N**.
- 20 Take the bent bar from the **FUELSTAY10** kit and modify it in the following way:
From the flat end mark and drill a 1/4" hole at a position of 45mm on the centre line, then cut 38mm off of that end and file off any rough edges.
- 21 Fix the bar to the top hole on the filler flange (this requires an M5 x 20 screw). Bend the transit bracket down until the bar can be positioned on the plank flange. See **ILL 11**.
- 22 Drill through the plank flange and fix the bar with a **SCRHSS620, WSH180 & NUT6N**, tighten all screws fully.
- 23 Attach the tank vent/breathers to the planks using existing 6mm holes for the plastic barb clips and the bearer edge for the end clip. See **ILL 12**.
- 24 Fit the vehicle licence plate lamps into the apertures provided in the **BKT660** and secure with the four **SCRPHSS416 & NUTSSM4** provided. See **ILL 13**.
- 25 Attach **BKT660** Number plate bracket in the centre at the rear end of the tray as far to the rear as possible. Use 4 of M6x20 SS bolts and M6 Nylock nuts to fit to the underside of tray.
- Important:** BKT660 Number plate bracket must be fitted to the rear end of the tray to meet ADR requirements (as shown in the image).



- 26 The OEM lamps and brackets should now be attached to the underside of the tray rear, ensure that the lenses are fully exposed and the indicator lenses are to the outside. See **ILL 14**.
- 27 All rear lamps can now be re-connected to the main harness using the original multi-pin snap connectors, check for correct operation.
- 28 Restrain loose electrical cables by tying to bearers, cross bars etc with the **TIE100** supplied.
- 29 If alterations to the wiring need to be made it is recommended that you consult an auto electrician first.
- 30 Detail and clean the tray for delivery to the client.



- 31 The OEM tail lamps and brackets should be lowered using **NUT10N** & **BLTHHZP640**. See **ILL 16**

