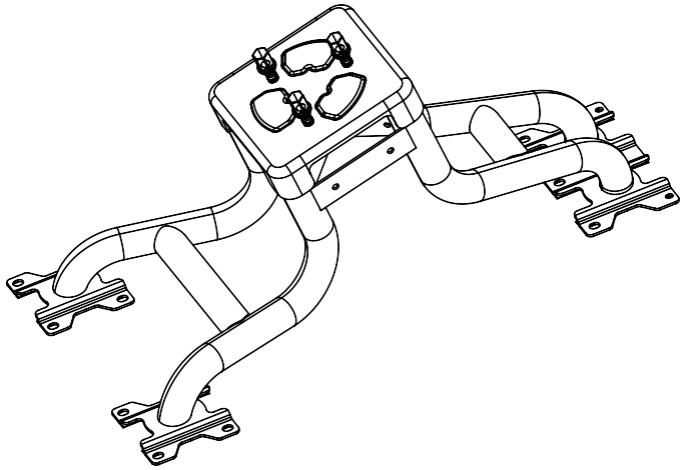




# RAM SPARE TIRE CARRIER



<b>1X A</b>	<b>B 2X</b> M6 Hex Bolt	<b>C 11X</b> M10 Hex Bolt	<b>D 1X</b>	<b>E 2X</b>
<b>F 1X</b>	<b>G 1X</b>	<b>H 1X</b>	<b>I 4X</b>	
<b>J 3X</b>				

CALLOUT	DESCRIPTION	PART NUMBER	QUANTITY
A	SPARE TIRE CARRIER	82216108AA	1
B	M6 X 35 HEX HEAD BOLT	06513586AA	2
C	M10 X 40 HEX HEAD BOLT	06513587AA	11
D	FRONT UNDERBODY BRACKET	68546264AA	1
E	REAR UNDERBODY BRACKET		2
F	FRONT RH GASKET		1
G	FRONT MIDDLE GASKET		
H	FRONT LH GASKET		
I	REAR GASKET		
J	M14 CAPPED HEX NUT	68546265AA	3

Corrosion Inhibitor



05179671AB (5oz SPRAY CAN) OR  
06103087AA (DAUBER PEN) OR EQUIVALENT  
05179671AB VAPORISATEUR OU 06103087AA BROSSE  
05179671AB PINTURA SPRAY O 06103087AA CEPILLOS



Center Punch



3MM  
11MM  
15MM



8MM  
16MM



Torque Specs  
M6 - 10Nm +/-1Nm  
M10 - 60Nm +/-5Nm



**NOTE: Step 6 requires 2 people**

## STEP 1: Remove Spare Tire

Refer to Owner manual for removal of Spare Tire (below truck bed)



Fig 1



# RAM SPARE TIRE CARRIER

## STEP 2 : Locate the Spare Tire Carrier

Place the Spare Tire Carrier centered in the Pickup Box (cross car) .

Position the front slot of the carrier centered at 1689 MM or 1690 MM (with Spray on Bed liner) from the back edge of the box ,( Fig 2 )

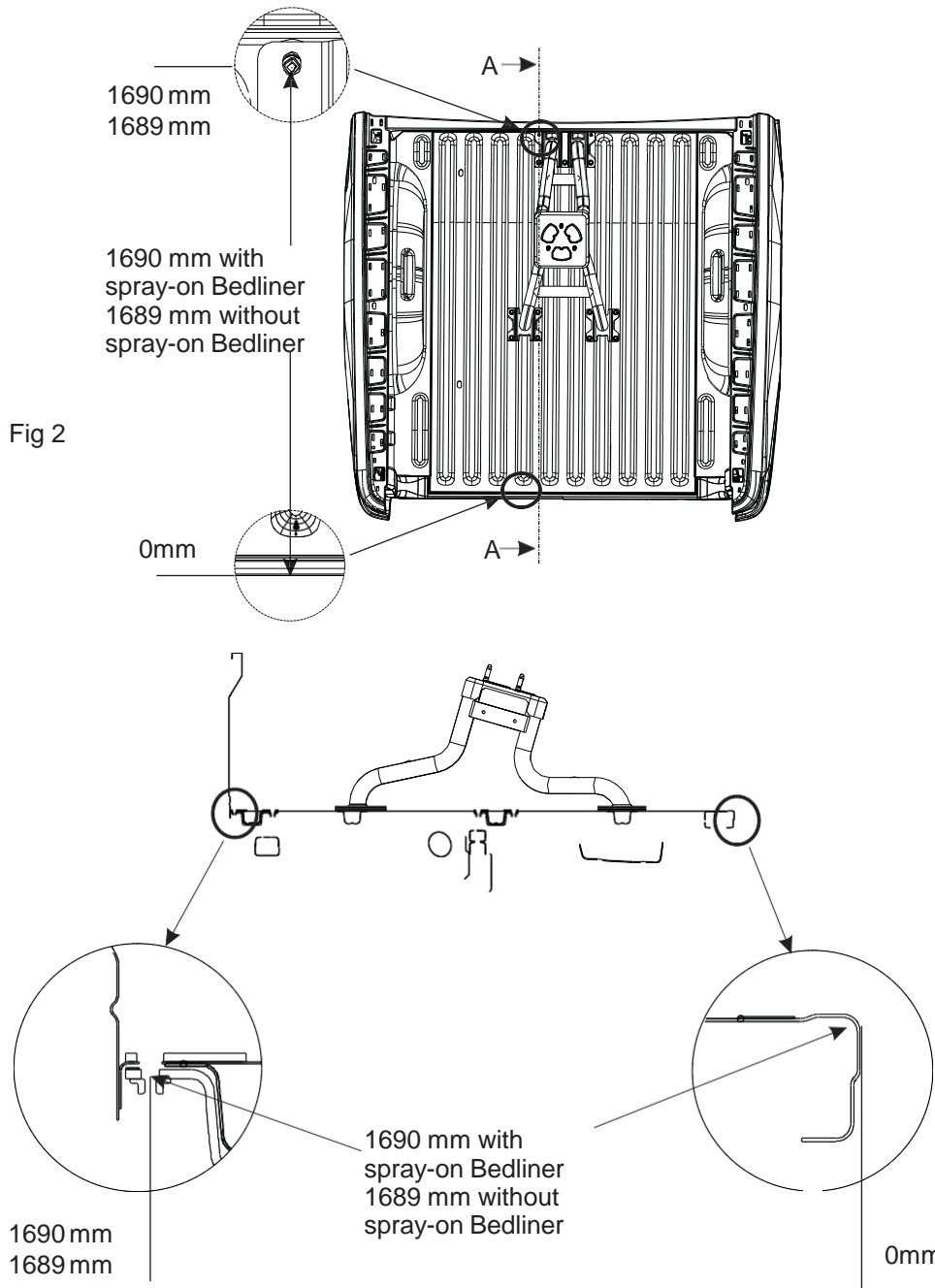


Fig 2A

Section A-A  
ROTATED 90

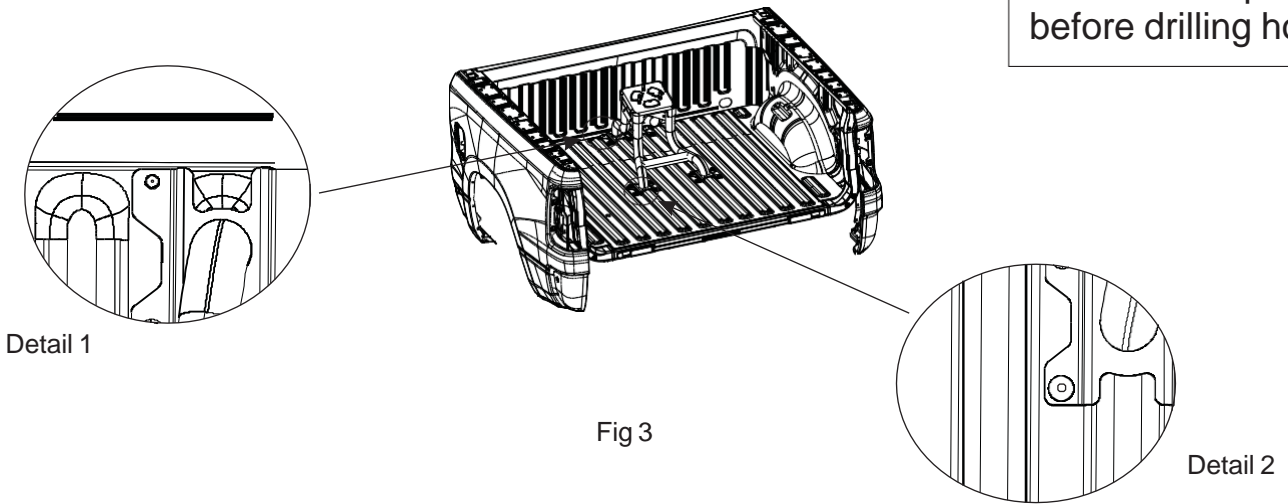


# RAM SPARE TIRE CARRIER

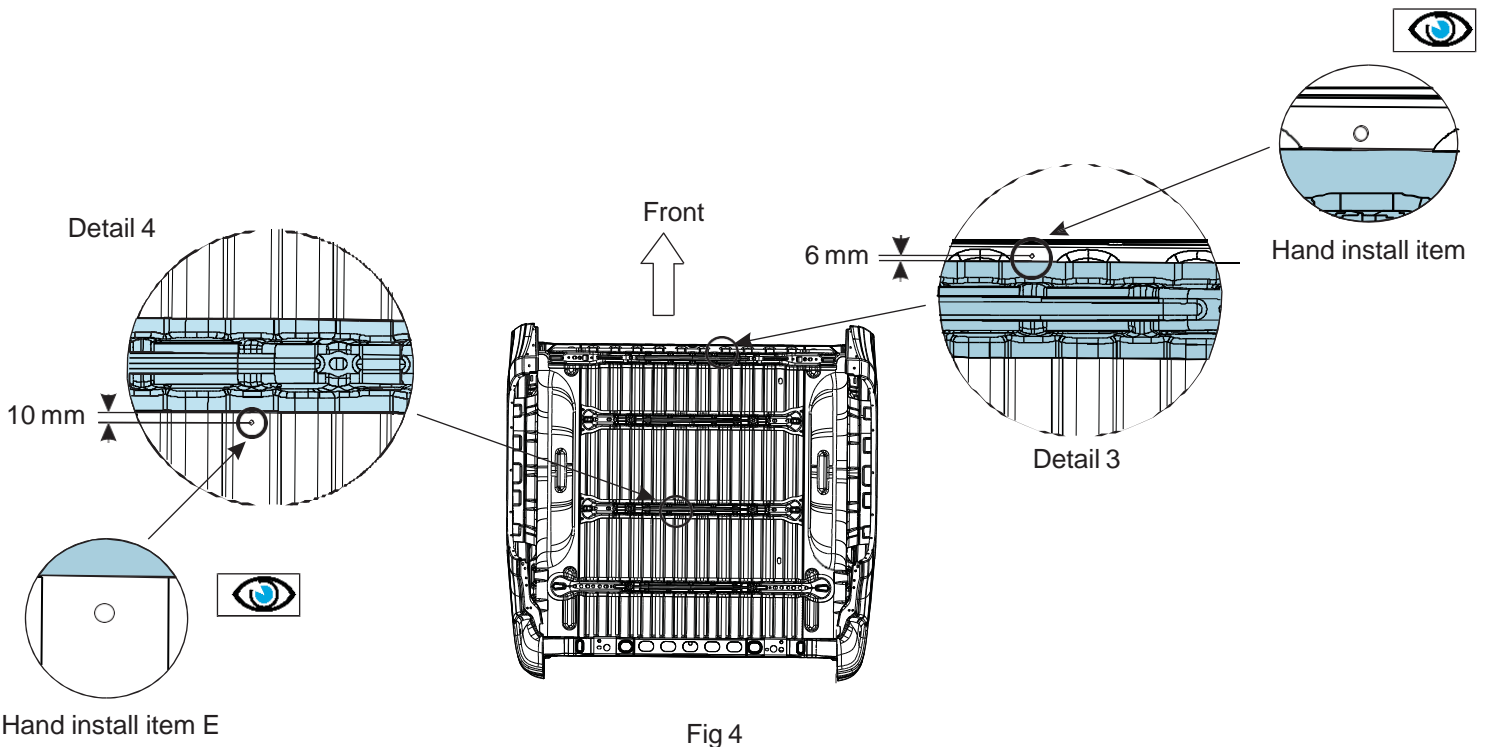
**STEP 3** : Mark and drill pilot holes (using Spare Tire Carrier as a template)  
 Mark the first hole of the Front bracket (1) and rear hole of the Rear bracket (2).  
 Drill pilot hole using 3 mm drill bit..( see Fig 3).



Refer to Caution Notes on Step 4 before drilling holes



From under the vehicle, ensure both pilot holes clear the cross-member flanges. (see Fig 4)

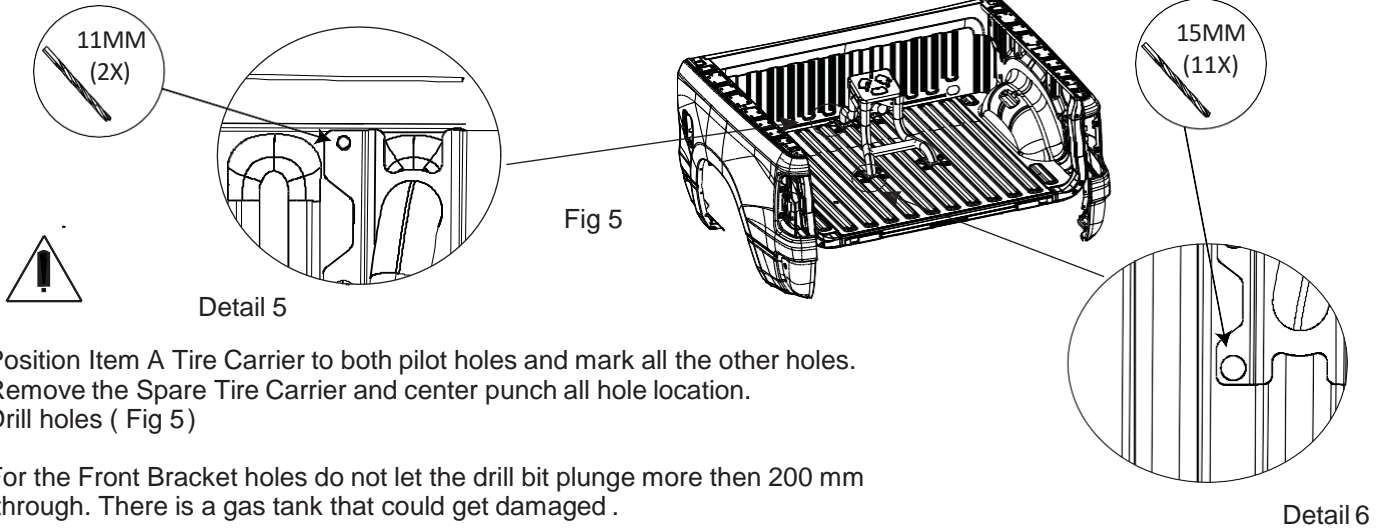


If pilot holes do not line up with item D or E, re-position the Spare Tire Carrier in the box forward or backward and drill new pilot holes .



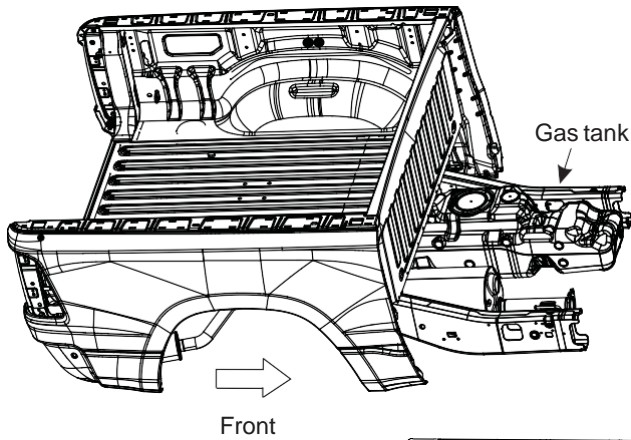
# RAM SPARE TIRE CARRIER

STEP 4: Mark and drill all holes (using Spare Tire Carrier as a template) Fig 5

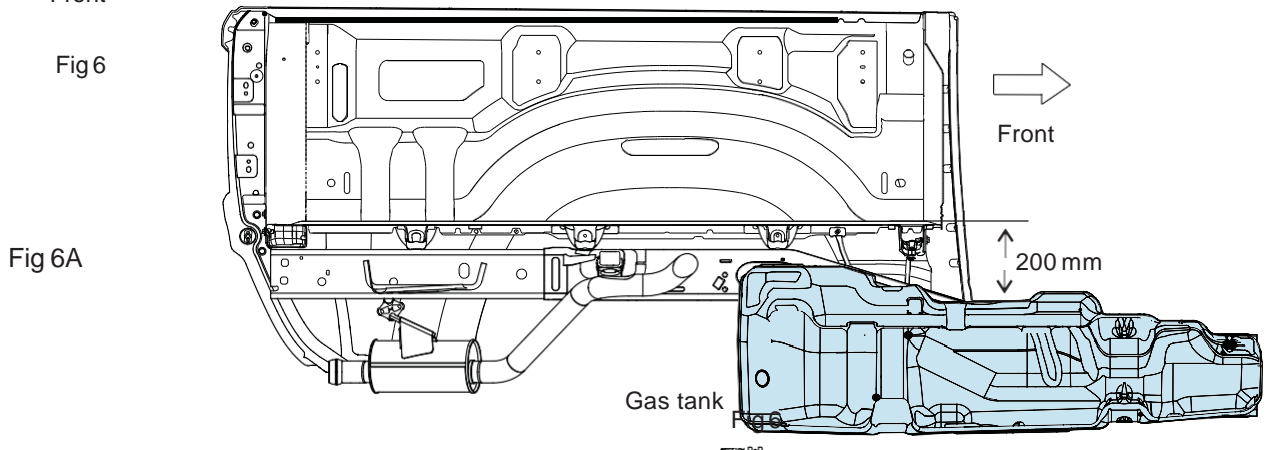


Position Item A Tire Carrier to both pilot holes and mark all the other holes. Remove the Spare Tire Carrier and center punch all hole location. Drill holes ( Fig 5)

For the Front Bracket holes do not let the drill bit plunge more then 200 mm through. There is a gas tank that could get damaged .

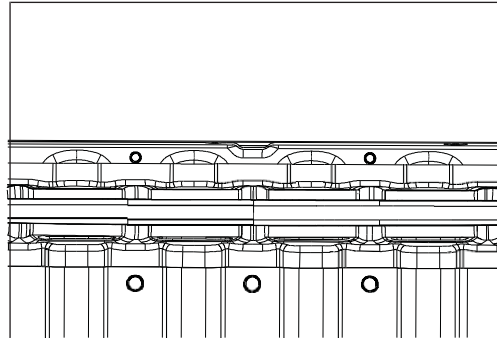


For the Front Bracket holes do not let the drill bit plunge more then 200 mm through. There is a gas tank that could get damaged .(Fig 6A)





# RAM SPARE TIRE CARRIER



↑  
Front of vehicle

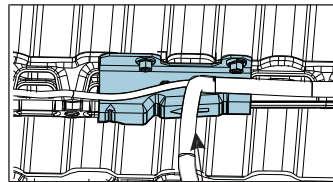
Front of Truck Bed

Fig 7



For the Rear Brackets do not let the drill bit plunge more then 25 mm through. There is a Wiring Harness ( Fig 7A ) that could get damaged under these holes.

Detail 7



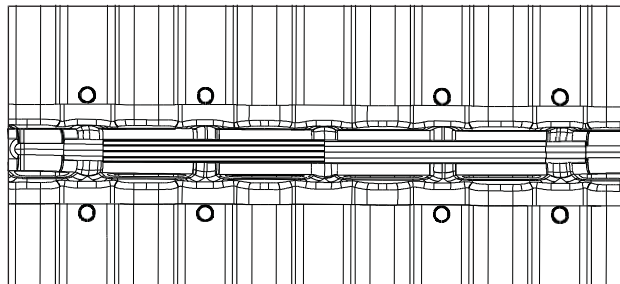
Drill depth to 25mm MAX



Wire Harness location



Front of vehicle



Rear of Truck Bed

Fig 7A

**STEP 5:** Make sure drill holes should be free from burs (13X) Apply corrosion inhibitor to all drilled holes (Fig 7 & Fig 7A).

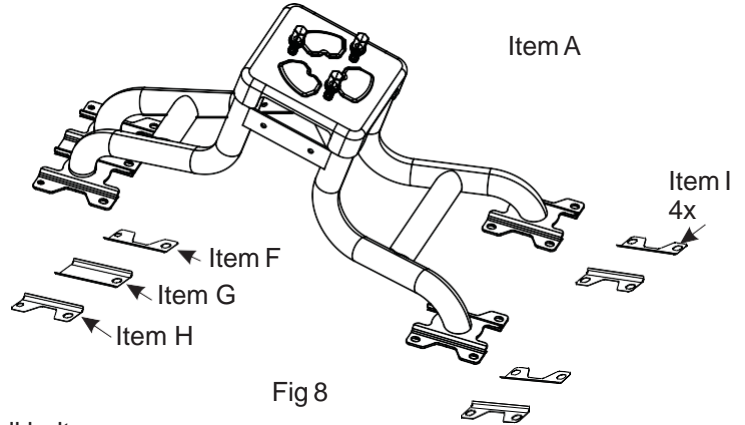




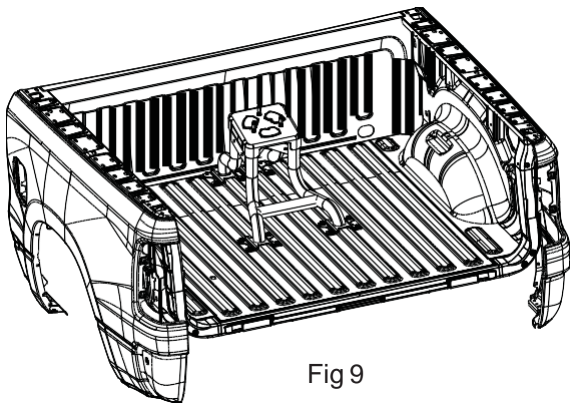
# RAM SPARE TIRE CARRIER

STEP 6 : Apply Gaskets to bottom of item A brackets

Not required when installed on the top of bed liner



STEP 7: Align Carrier over drilled holes and loosely install bolts.



Item D installation  
Step requires 2 people

From under the Pick-up box, hold Item D Front lower attachment bracket in position aligning the holes in the Pick-up box with the weld nuts.. Have 1 person from inside the Pick-up box insert and loosely install 2 M6 Hex Bolt and 3 M10 Bolt.

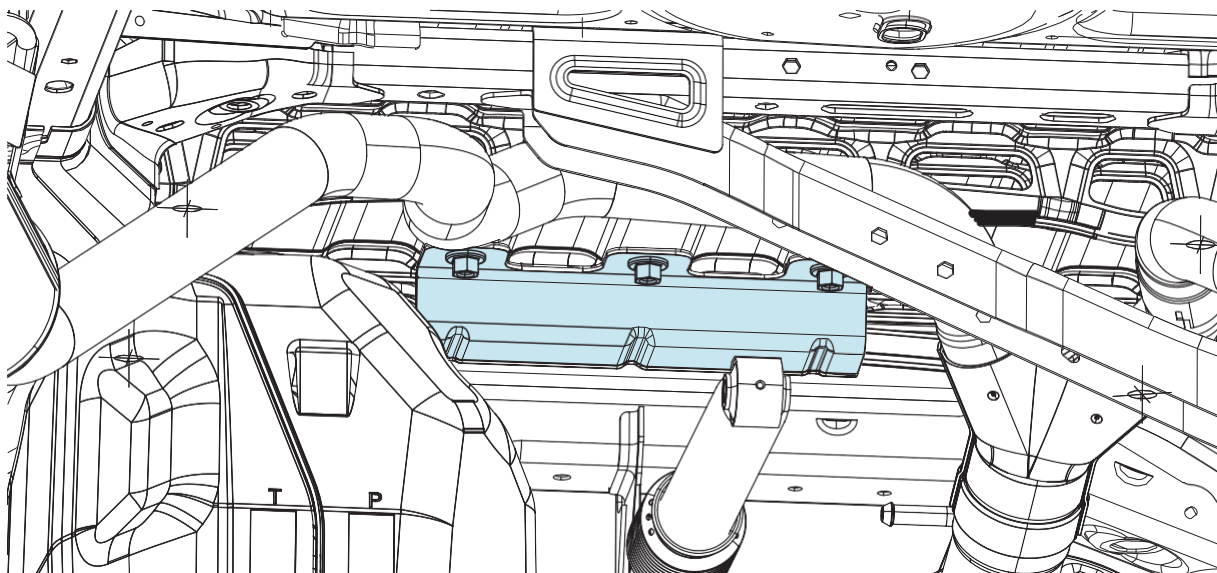


Fig 10



# RAM SPARE TIRE CARRIER

Item E installation (Step requires 2 people)

Hold Item E in position making sure the arrow is pointing outside away from the vehicle.

Loosely install 4 M10 Bolts at 2 places.

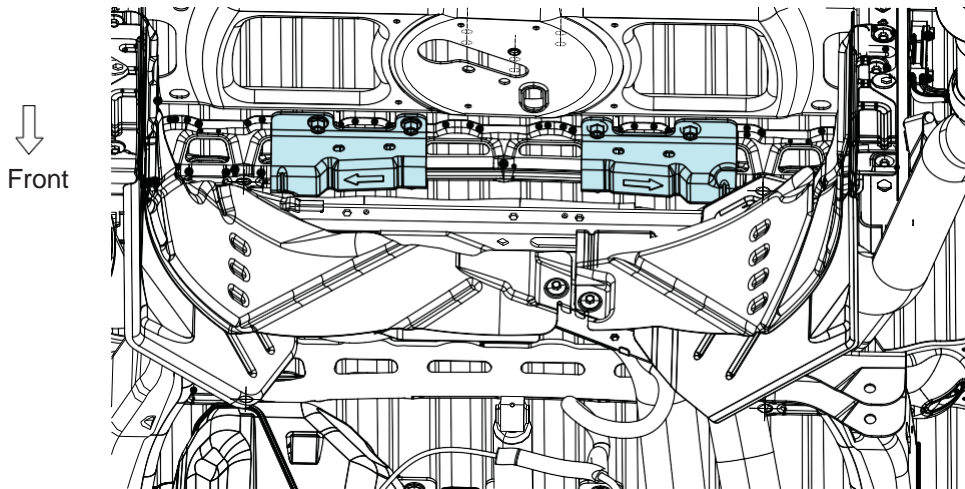


Fig 11

After all bolts are loosely installed, apply the following, torques:

M6 torque to 10 +/- 1 Nm

M10 torque to 60 +/- 5 Nm

See Fig 12 for final torque install sequence.

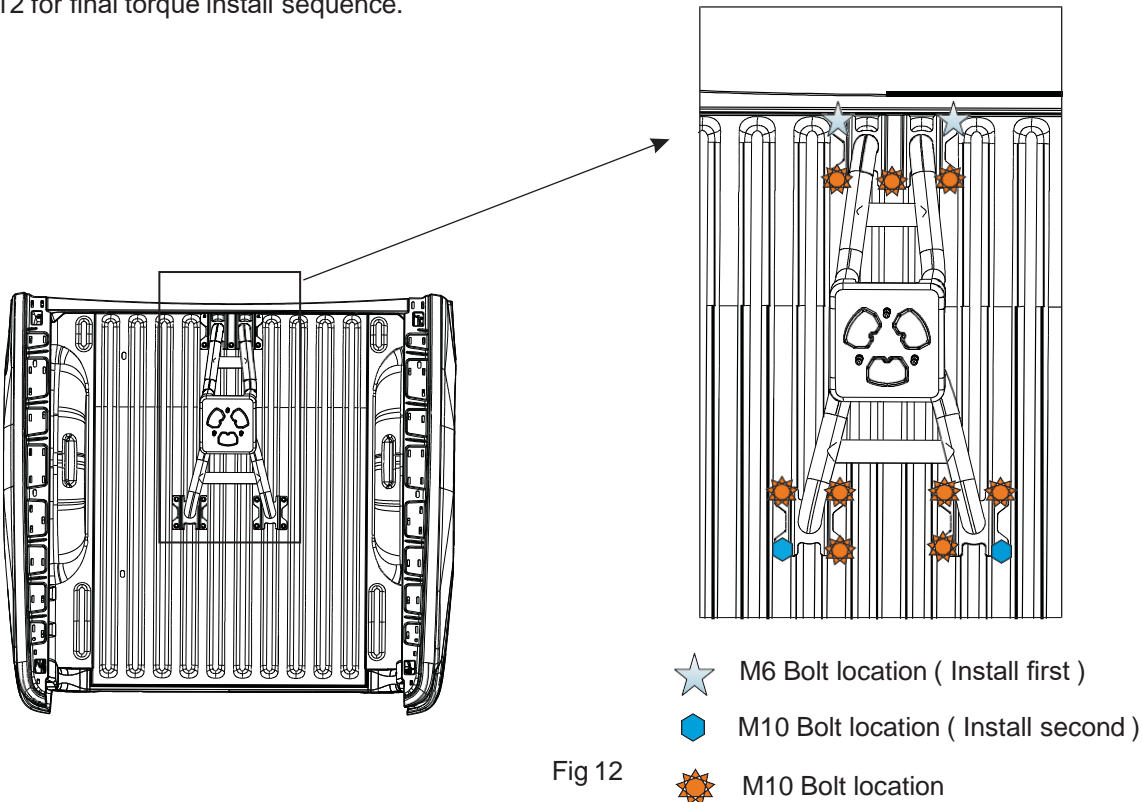


Fig 12



# RAM SPARE TIRE CARRIER

Torque M14 Lug Nuts (3X)

- 2Nm+/-1 without tire
- 80Nm with tire



Vehicle safety requirement.

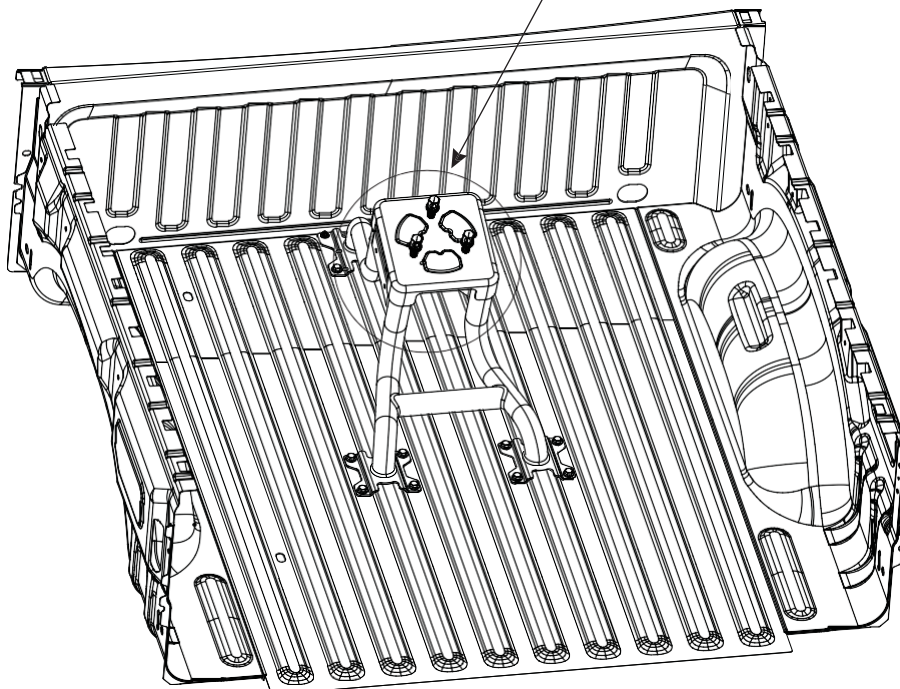
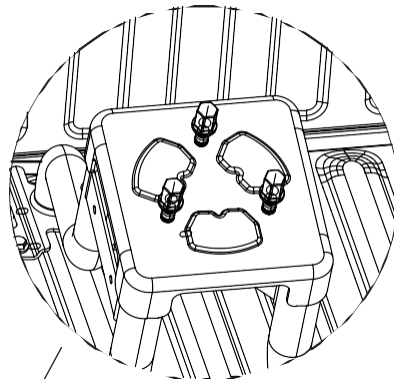


Fig 13

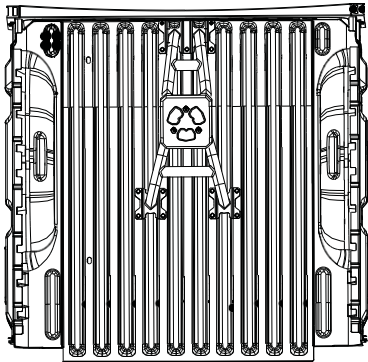




# RAM SPARE TIRE CARRIER

STEP 8 : Reinstall Production Spare Tire when driving on public roads (refer to owners manual).

## Service Removal Instructions



Front of Truck Bed

Fig 14

Insert 3 pins (100 mm long ) each, through underbody brackets and cross member. See Fig 15.

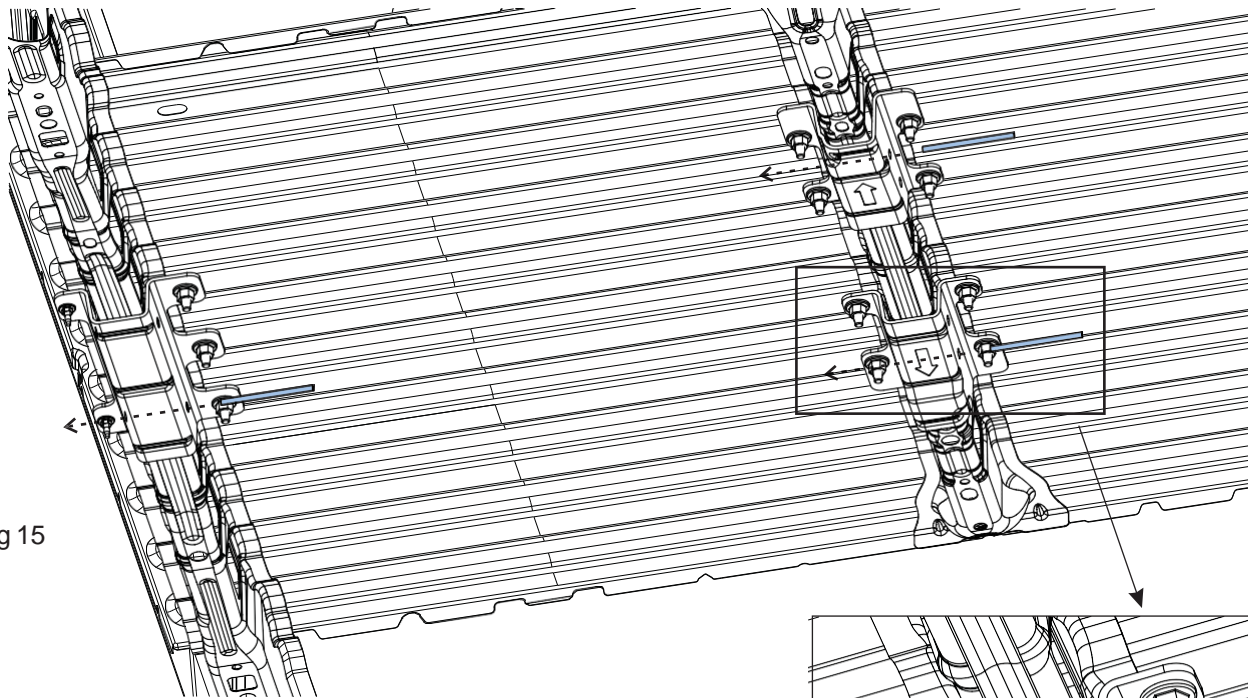
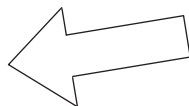


Fig 15



Front of Truck Bed

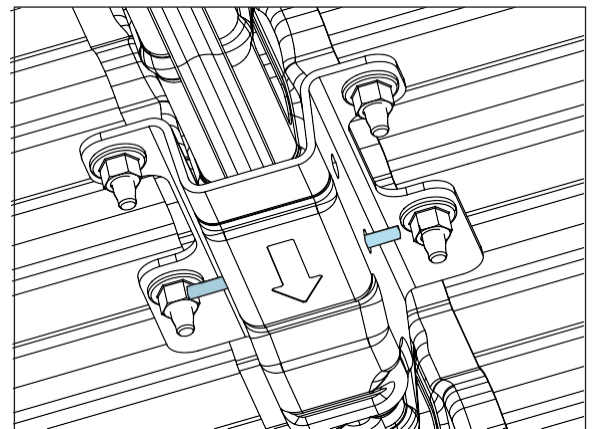
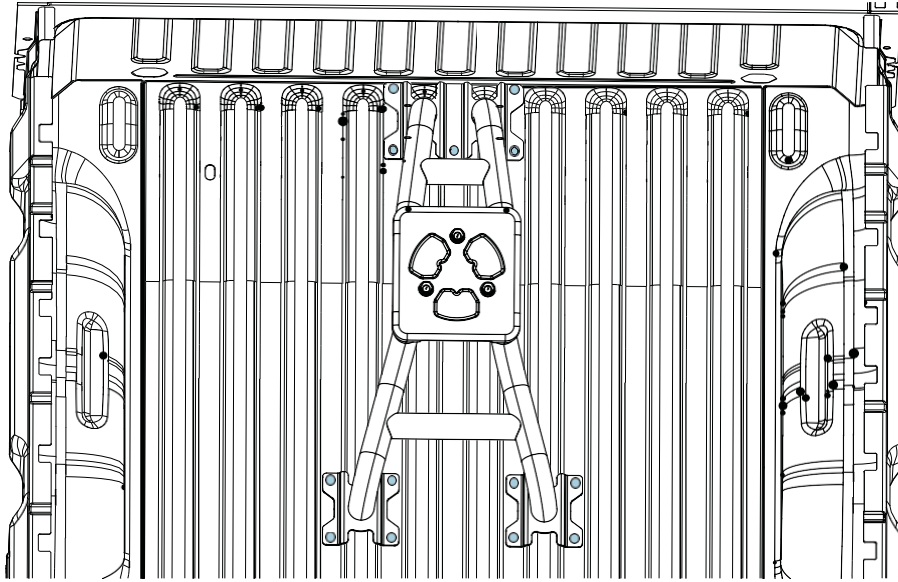


Fig 16

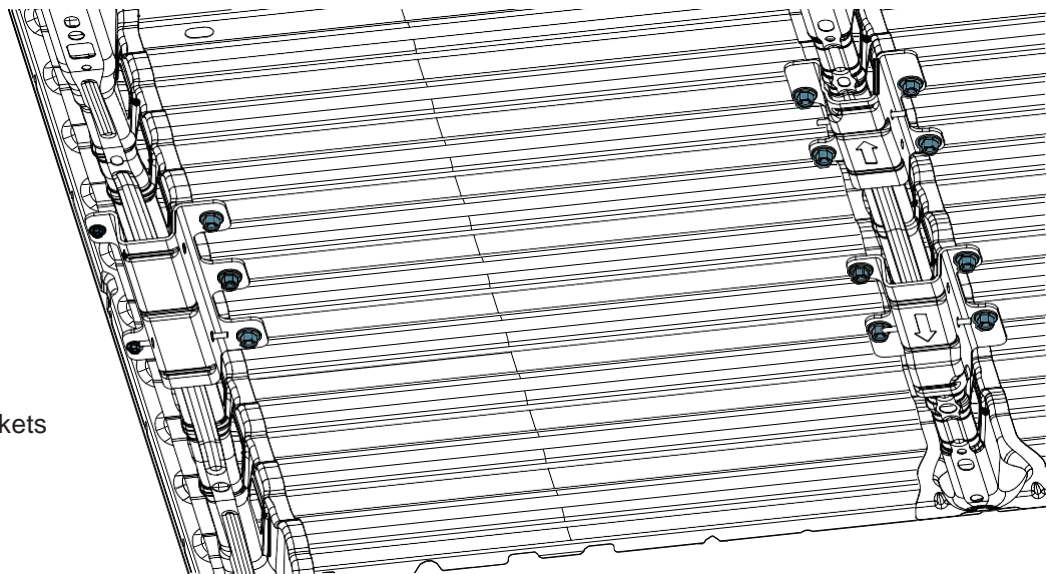


# RAM SPARE TIRE CARRIER



Remove bolts from all 13 locations. See Fig 17.

Fig 17



Remove pins holding the 3 lower brackets (Fig 16)

Fig 18