



FRONT RUNNER

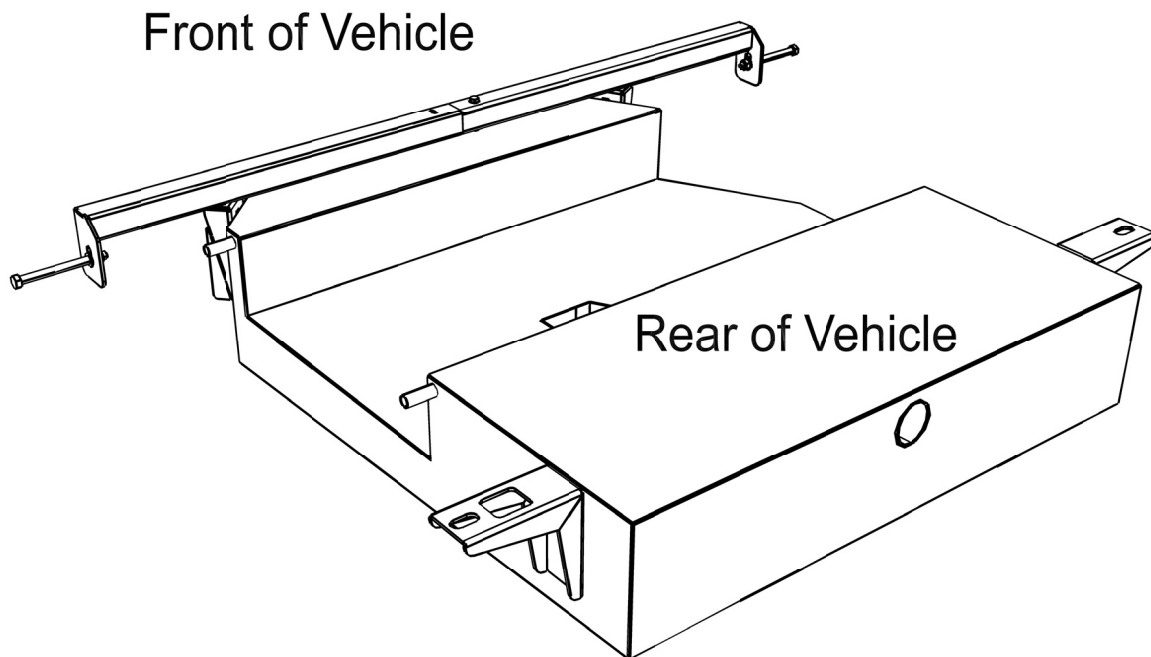
**ISUZU D-TEQ 2ND GENERATION
AUXILIARY 54L
PETROL - DIESEL FUEL TANK**

ENG

FTIS009



INSTALL TIME: 1 Hour 30 mins



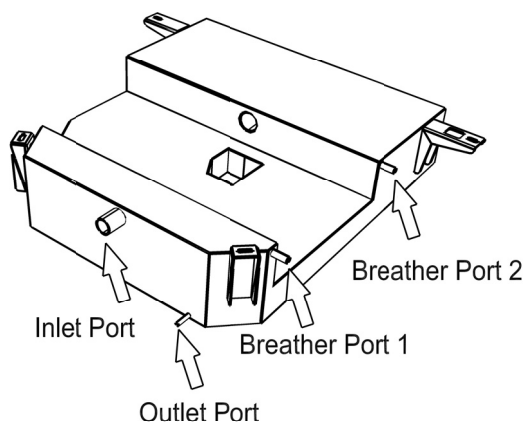
IMPORTANT WARNING!

IT IS CRITICAL THAT ALL FRONT RUNNER PRODUCTS BE PROPERLY AND SECURELY ASSEMBLED AND ATTACHED TO YOUR VEHICLE. IMPROPER ATTACHMENT COULD RESULT IN AN AUTOMOBILE ACCIDENT, AND COULD CAUSE SERIOUS BODILY INJURY OR DEATH TO YOU OR TO OTHERS. YOU ARE RESPONSIBLE FOR ASSEMBLING AND SECURING ALL FRONT RUNNER PRODUCTS TO YOUR VEHICLE, CHECKING THE ATTACHMENTS PRIOR TO USE, AND PERIODICALLY INSPECTING THE PRODUCTS FOR ADJUSTMENT, WEAR, AND DAMAGE. THEREFORE, YOU MUST READ AND UNDERSTAND ALL OF THE INSTRUCTIONS AND CAUTIONS SUPPLIED WITH YOUR FRONT RUNNER PRODUCT PRIOR TO INSTALLATION OR USE. IF YOU DO NOT UNDERSTAND ALL OF THE INSTRUCTIONS AND CAUTIONS, OR IF YOU HAVE NO MECHANICAL EXPERIENCE AND ARE NOT THOROUGHLY FAMILIAR WITH THE INSTALLATION PROCEDURES, YOU SHOULD HAVE THE PRODUCT INSTALLED BY A PROFESSIONAL INSTALLER OR OTHER QUALIFIED PERSONNEL.

1 GET ORGANIZED

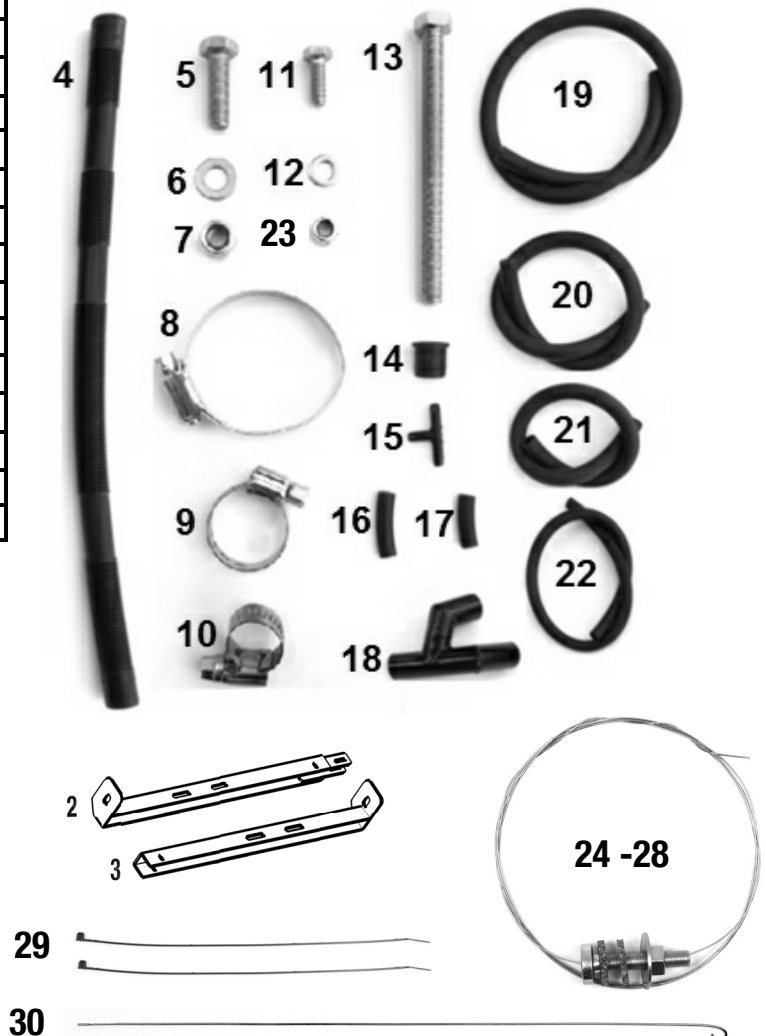
Here is what you are looking at:

Item #	Quantity	Description
1	1	AUXILLARY FUEL TANK
2	1	SUPPORT BAR PART 1
3	1	SUPPORT BAR PART 2
4	1	PLASTIC FILLER HOSE
5	2	M8 x 20 HEX BOLT
6	8	M8 FLAT WASHER
7	4	M8 NYLOC NUT
8	5	32 - 50 mm HOSE CLAMP
9	10	16 - 25 mm HOSE CLAMP
10	2	8 - 16 mm HOSE CLAMP
11	2	M6 x 16 HEX BOLT
12	4	M6 FLAT WASHER
13	2	M8 x 100 HEX BOLT
14	2	RUBBER BUNG
15	2	PLASTIC T-PIECE
16	1	12 mm FUEL HOSE - 50 mm LONG
17	1	12 mm FUEL HOSE - 40 mm LONG
18	1	FILLER Y-PIECE
19	1	12 mm FUEL HOSE - 1 000 mm LONG
20	1	12 mm FUEL HOSE - 800 mm LONG
21	1	12 mm FUEL HOSE - 600 mm LONG
22	1	8 mm FUEL HOSE - 800 mm LONG
23	2	M6 NYLOC HEX NUT
24	1	COPPER WIRE
25	1	M8 x 25 x 2 FLAT WASHER
26	1	BALANCE FITTING
27	2	CORK WASHER
28	1	M8 FINE THREAD HEX NUT
29	2	30mm CABLE TIES
30	1	WIRE RETRIEVAL TOOL



You will need:

Utility Knife
Measuring Tape
Hack Saw
17 mm Flat & Socket Wrench
Long Extension
13 mm Flat & Socket Wrench
Phillips / Star Point Screwdriver
Pair of Pliers
Thread Tape
Drill Machine
8 mm & 10 mm Drill Bit
Marking Pen
Hammer
Cable Ties



(A) Familiarize yourself with the parts and then step away from the work area and read through these instructions from beginning to end. Take a moment as a little prep now may save you a lot of time later.

2 PREPARE BREATHER HOSES



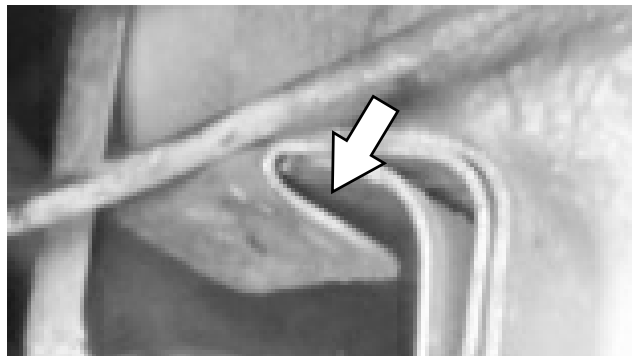
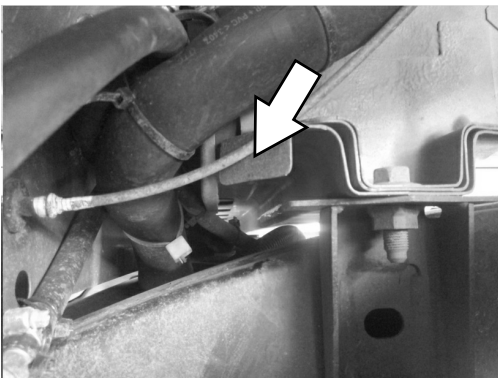
NOTE:

- Please ensure the fuel tank is below half full before starting with the instillation.
- Try to position all hose clamps in such a manner that they are easily accessible in the event of a possible fuel leak.

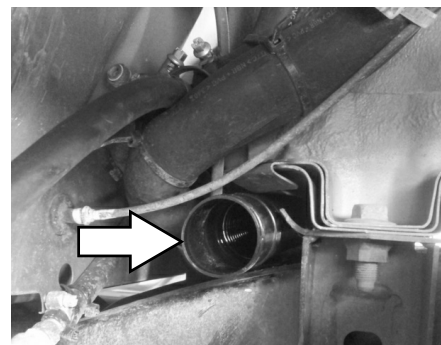
- (A)** Loosen and lower the filler cap side wheel arch liner enough to gain access to the filler neck and pipes by removing the plastic retaining clips with a star point screw driver.



- (B)** Using a hammer, bend the "Lip" as shown below.

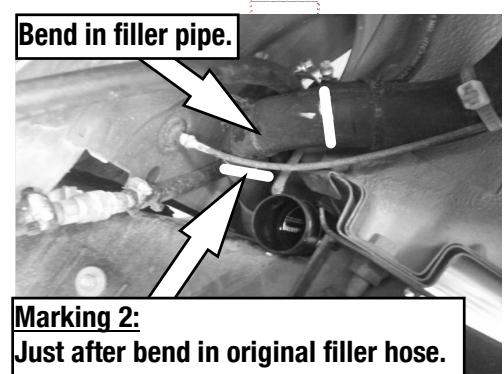
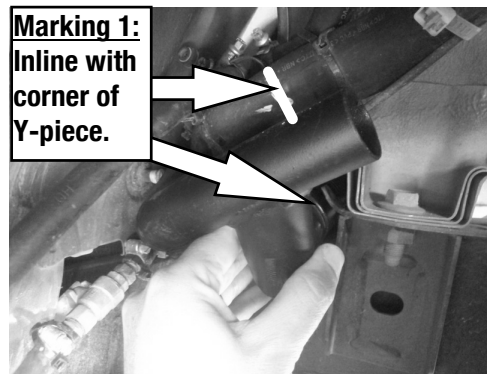
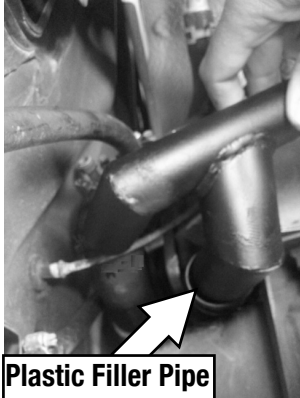


- (C)** Feed the Plastic Filler Pipe (Item 4) through the opening created after bending the "Lip" in Step 2B.



2 PREPARE BREATHER HOSES CONT...

- (D)** You will need to mark, cut and remove a section of the vehicle's original filler hose in order to fit the Filler Y-piece (Item 18). Start by inserting the Filler Y-piece into the Plastic Filler Pipe as shown. Using a suitable marker, mark the vehicles original filler hose in the two place as shown.



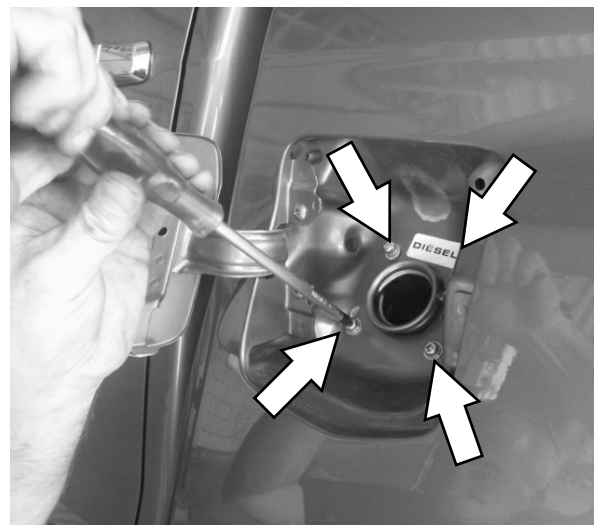
- (E)** Loosen and remove the original filler hose and breather hose from the vehicle's filler neck.

Using a utility knife, cut the original filler hose on Marking 1 from Step 2D and keep the section of hose as it will be used later in Step 4B.

Cut the original filler hose on Marking 2 and discard the section of pipe.

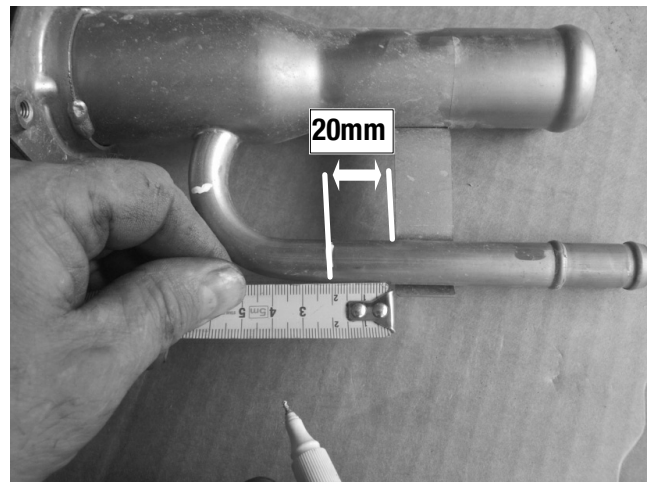
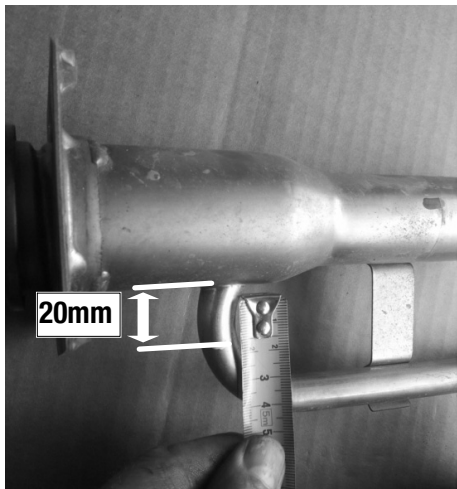


- (F)** Loosen the four screws as indicated by the arrows and remove the filler neck from the vehicle.



2 PREPARE BREATHER HOSES CONT...

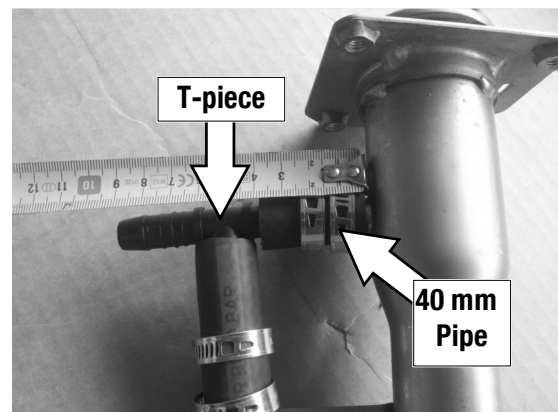
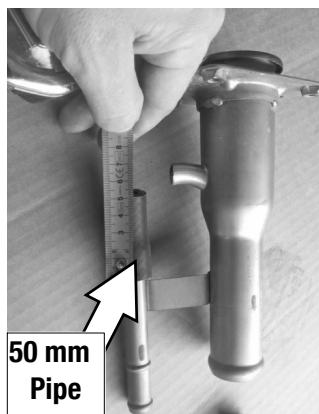
(G) Using a tape measure, mark the filler neck as shown.



(H) Using a Hack Saw, cut-off the section of steel pipe between your two markings from Step 2E and clean any rough edges using a steel file.

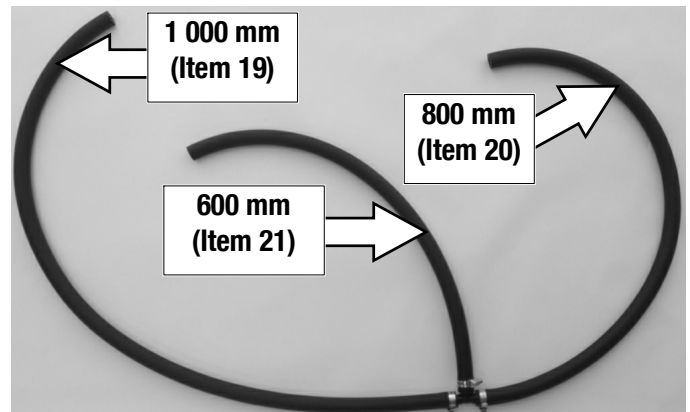


(I) Assemble the 40 mm and 50 mm pieces of 12 mm Fuel Hose (Items 16 & 17) to the filler neck and 12 mm Plastic T-piece (Item 15) as shown and fasten in position using four 16 - 25 mm Hose Clamps (Item 9).

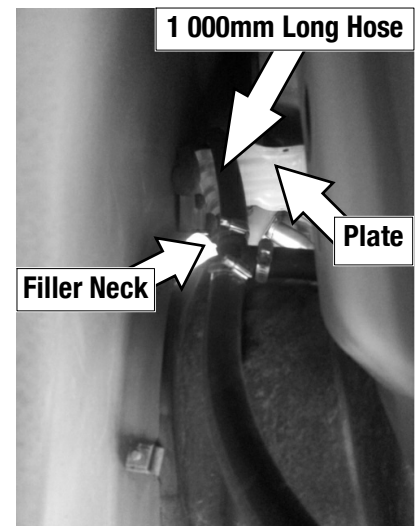


2 PREPARE BREATHER HOSES CONT...

- (J)** Make up the following Hose assembly using the various lengths of 12 mm Fuel Hose (as indicated) one 12 mm Plastic T-piece and three 16-25 mm Hose Clamps (Items 9, 15, 19, 20, 21).



- (K)** Feed the 1 000 mm long end of the Hose Assembly from Step 2J over the plate that is found in the wheel arch cavity (as indicated by the arrow) through to the filler neck.



- (L)** Connect the 1 000 mm long Hose from Step 2H to the open end of the Plastic T-piece of the filler neck assembly and secure using a 16-25 mm Hose Clap (Item 9).



- (J)** Refit the filler neck to the Vehicle.

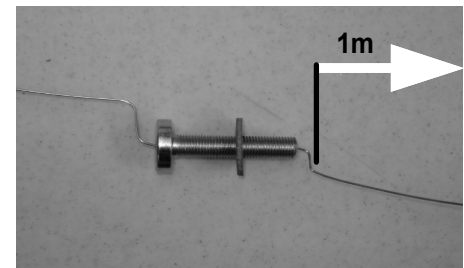
3 FIT THE BALANCE FITTING

- (A)** Working underneath the vehicle and on the right hand side of the fuel tank. Using a suitable marker, make a mark on the tank as indicated by the arrow and white dot.

Grab your drill and 8mm drill bit and drill a hole on your mark.

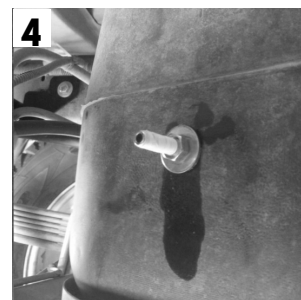


- (B)** The copper wire supplied needs to be modified (Item 24). Measure a 1m length of wire and make a kink in the wire and slide the balance fitting (Item 26) onto the wire. Ensure that the balance fitting has only one fibre/cork washer (Item 27) on its length. Make another kink in the wire after the balance fitting. Make sure that there is some play for the balance fitting along the length of the wire.



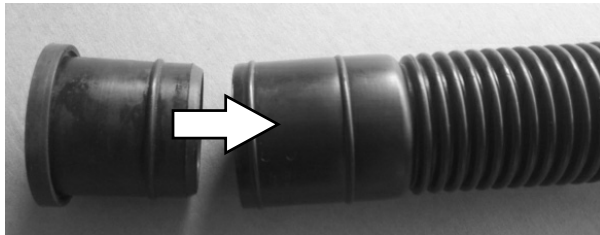
- (C)** The wire with the balance fitting from Step 3C must be inserted into the tank (right side from image first). Keep the left end of the wire sticking out the tank. Insert the wire retrieval tool supplied (Item 30) into the hole you have already drilled in the existing tank. Locate the wire within the tank and pull the balance fitting through. Add the remaining fibre/cork washer (Item 27), the M8x25X2 Flat washer (Item 25) and M8 Fine thread Hex Nut (Item 28) onto the Balance Fitting and flatten the kink on the wire. You can now pull the wire out from the top of the tank.

Grip the Balance Fitting with a pair of pliers to prevent it from rotating and fasten with a 13mm wrench. Wrap balance fitting threads with thread tape.

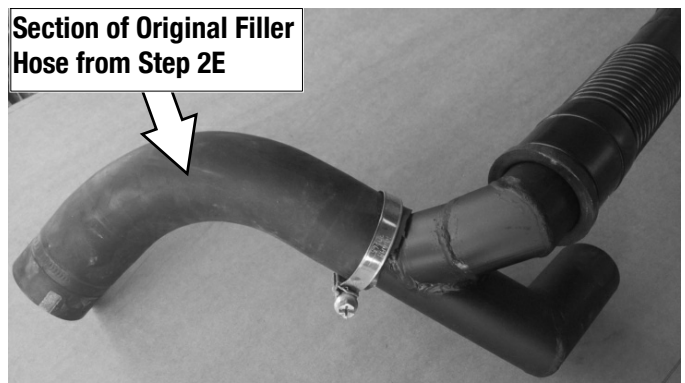


4 PREPARE THE PLASTIC FILLER PIPE FOR FITMENT

- (A)** Remove the Plastic Filler Pipe from Step 2C and insert a Rubber Bung (Item 14) into each end of the Filler Pipe as shown.



- (B)** Assemble the section of original filler hose from Step 2E and one end of the Plastic Filler Pipe to the Y-piece (Item 18) as shown and secure using two 32-50 mm Hose Clamps (Item 8).



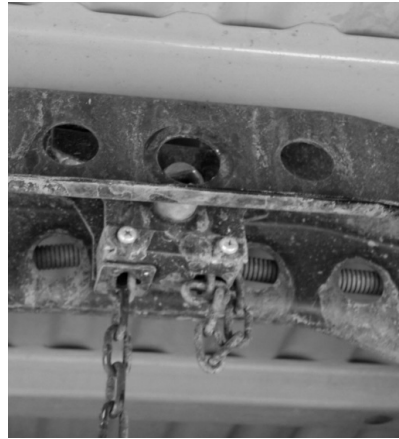
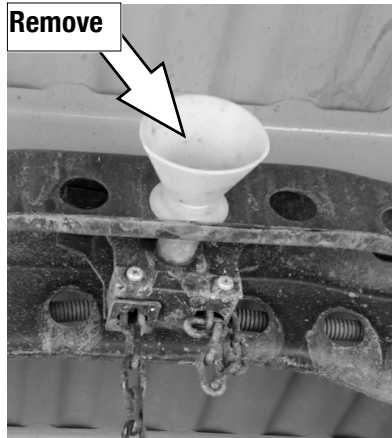
- (C)** Referring to Step 2C, feed the open end of the Plastic Filler Pipe through the opening as before. Insert the open end of the Y-piece into the section of original filler hose that runs to the original fuel tank and secure using a 32-50 mm Clamp (Item 8).

Connect the original breather pipe and original filler hose back to the filler neck and secure in position using the original hose clamps.

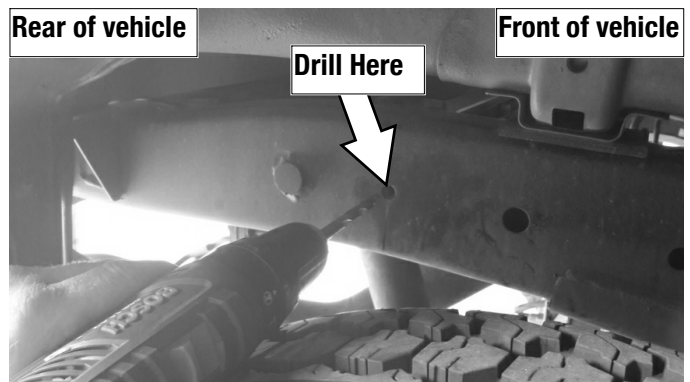


6 PREPARE FOR TANK FITMENT

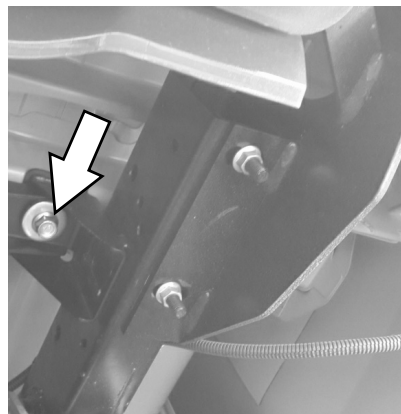
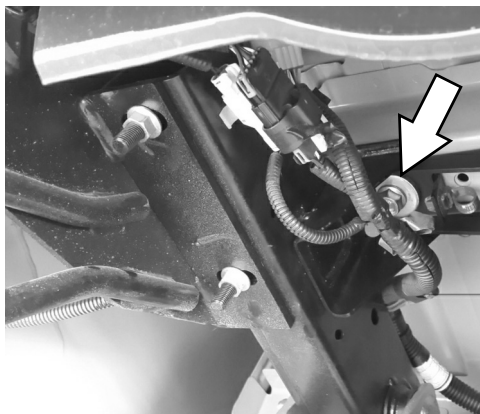
- (A)** Drop the spare wheel from underneath the vehicle and store the spare wheel out of the way. If your vehicle is fitted with a plastic wheel winder guide as shown, remove it by pulling it towards the rear of the vehicle.



- (B)** Using a drill machine and 10 mm drill bit, drill a hole through the right hand and left hand side chassis rail, using the original hole, as indicated by the arrow and a guide.

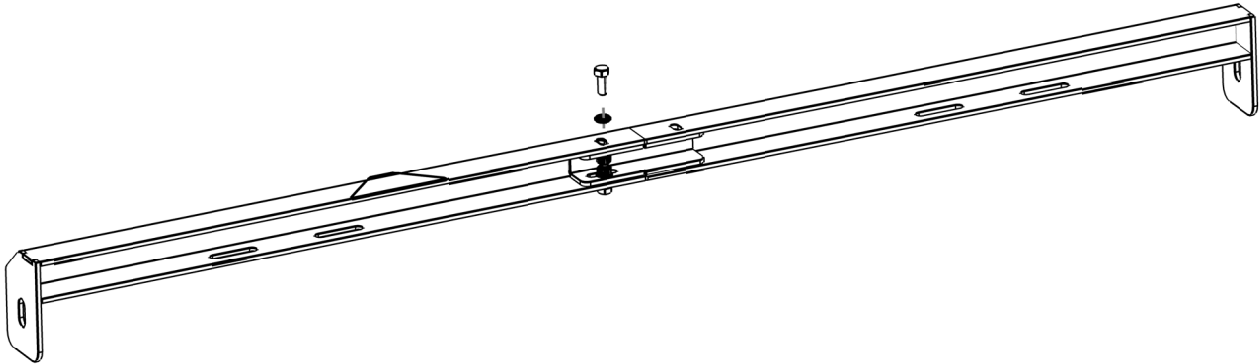


- (C)** Looking underneath the rear of the vehicle in the left and right hand corners, loosen and remove the chassis bolt as indicated by the arrow each side. Keep the bolts for Step 7B. On the left hand side, loosen and remove the wiring harness from its cable clamp as it will need to be moved out of the way when fitting the Auxiliary Tank.



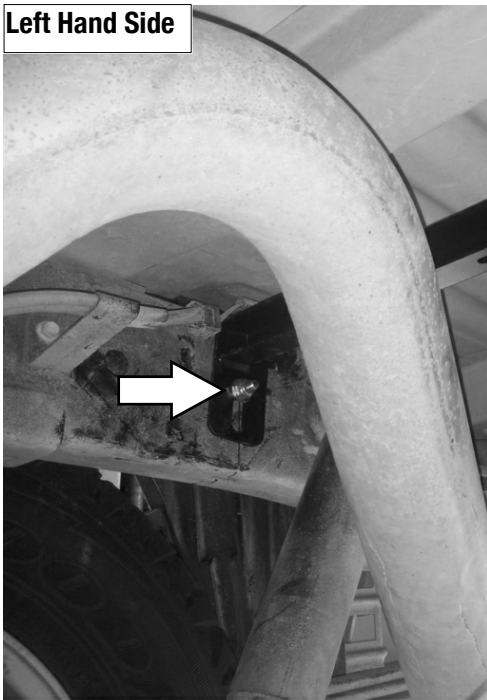
6 PREP FOR TANK FITMENT

- (D)** Assemble Front Support Bar (Items 2 & 3) using two M6 x 16 Hex Bolts, four M6 Flat Washers and two M6 Nyloc Hex Nuts (Items 11, 12, 23).



- (E)** Fit the Rear Mounting Strap between the two chassis rails as shown with the "open face" face of the "U" channel facing towards the front of the vehicle. Secure the Strap to the vehicle using two M8 x 100 Hex Bolts, four M8 Flat Washers and two M8 Nyloc Nuts (Items 6, 7, 13).

Left Hand Side



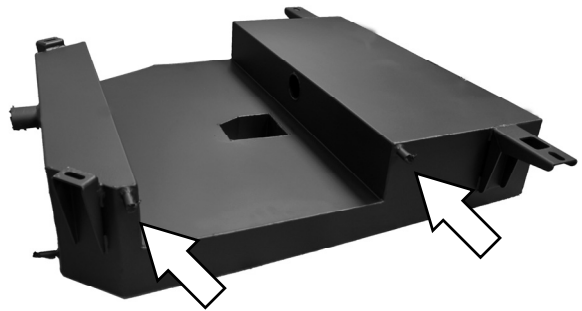
Right Hand Side



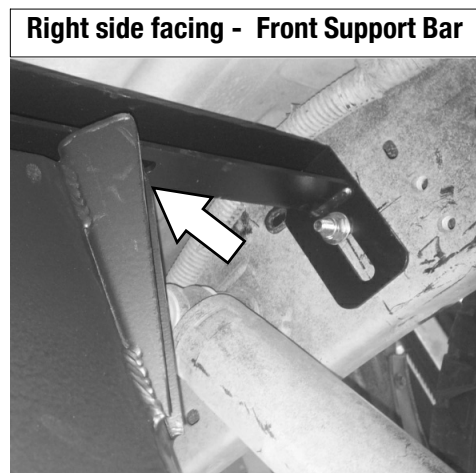
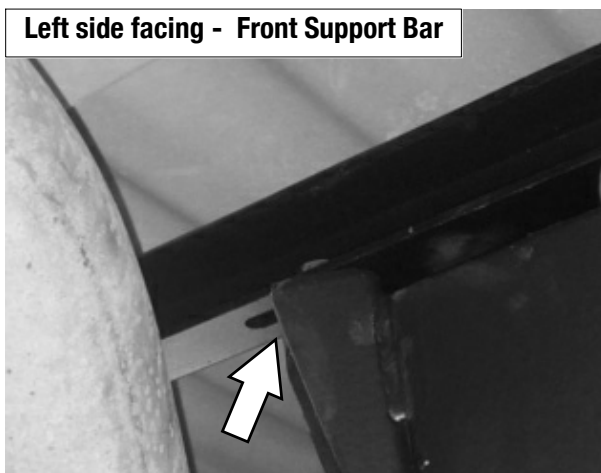
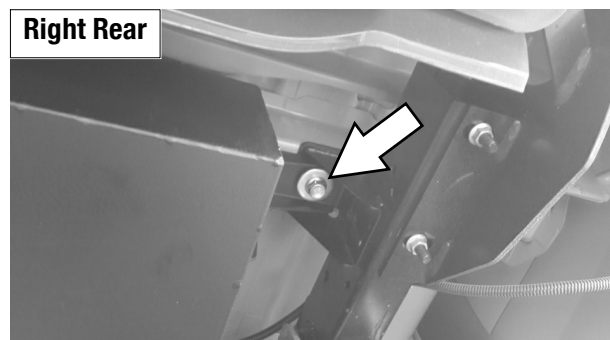
7 FIT THE AUXILIARY TANK

- (A)** Remove all the masking tape from all the ports on the Auxiliary Tank (Item 1). Pass the wheel lift chain through the hole in the center of the Auxiliary Tank. Ensure the two Breather Ports as indicated are on the left hand side of the vehicle.

Begin to lift the Auxiliary Tank up into position with the wheel lift chain. The Tank will knock up against the wheel winder before reaching its final home position. You will need to remove the winder and feed it through the "Tunnel" specially made in the Tank before continuing to lift it to its home position.

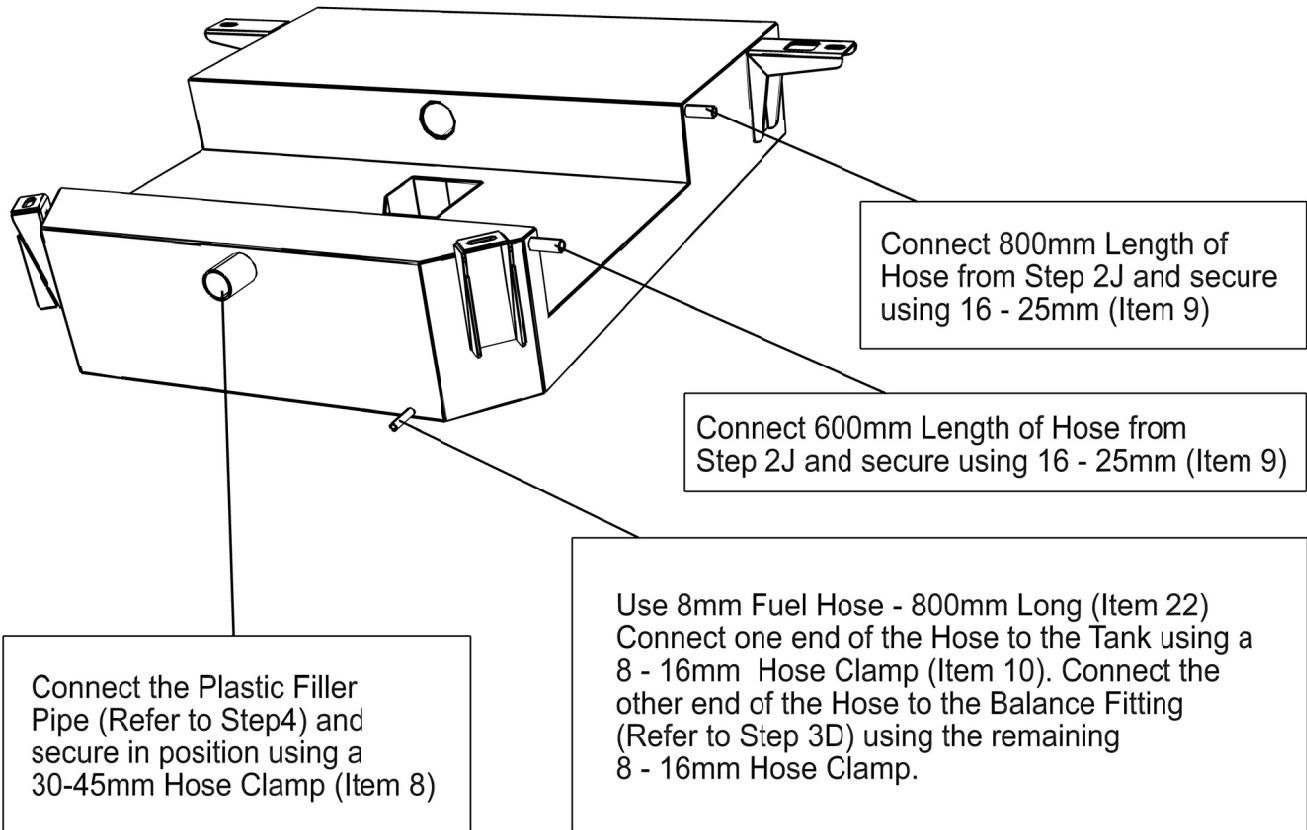


- (B)** Align the four mounting points on the Tank with the two mounting points from Step 6C and the mounting points in the Front Support Bar. Secure the Tank in position using the the original bolts removed earlier for the rear mountings and two M8 x25 Hex Bolts, four M8 Flat Washers and two M8 Nyloc Nuts (Item 5, 6, 7) for the Front Support Bar.



7 FIT THE ADDITIONAL TANK CONT...

(C) Connect all the Fuel Pipes as explained below.



(D) Secure the wiring harness on the left rear corner (Refer to Step 6C). Ensure that all fasteners, hose clamps and hoses are secure. Refit the wheel arch liner and spare wheel.

(E) Congratulations, you have completed your installation. Take a step back and admire your work. Good Job!

8 INSTALL OTHER VEHICLE AND RACK ACCESSORIES

(A) Now's the time to visit your favorite Front Runner dealer in person or online.