



FRONT RUNNER

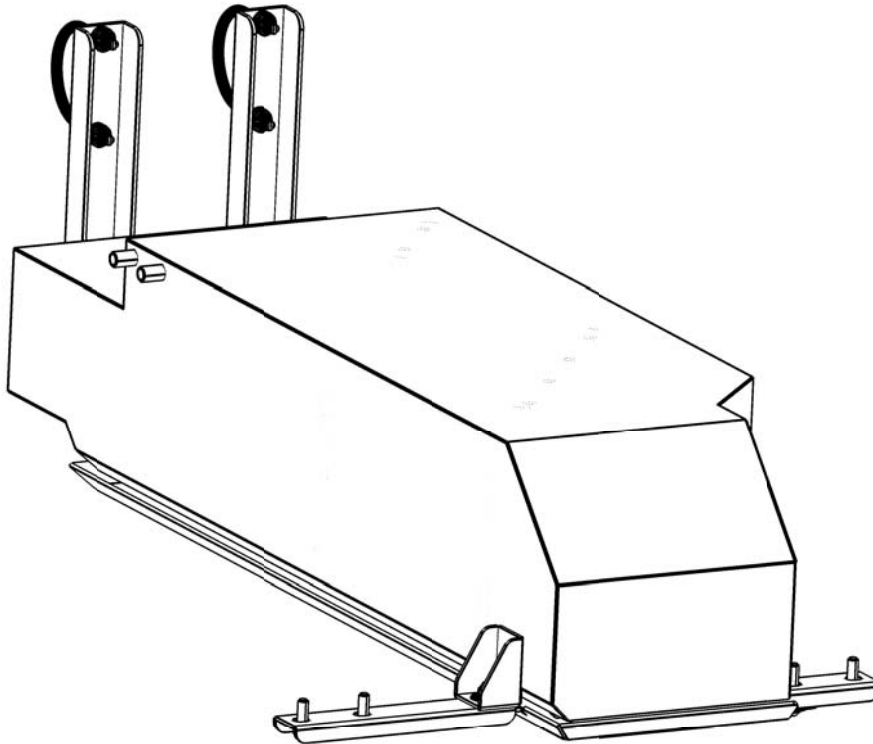
**MERCEDES-BENZ GELÄNDEWAGEN
55L ADDITIONAL FUEL TANK
(DIESEL VEHICLES ONLY)**

ENG

FTMG001



INSTALL TIME: 2 Hours



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.

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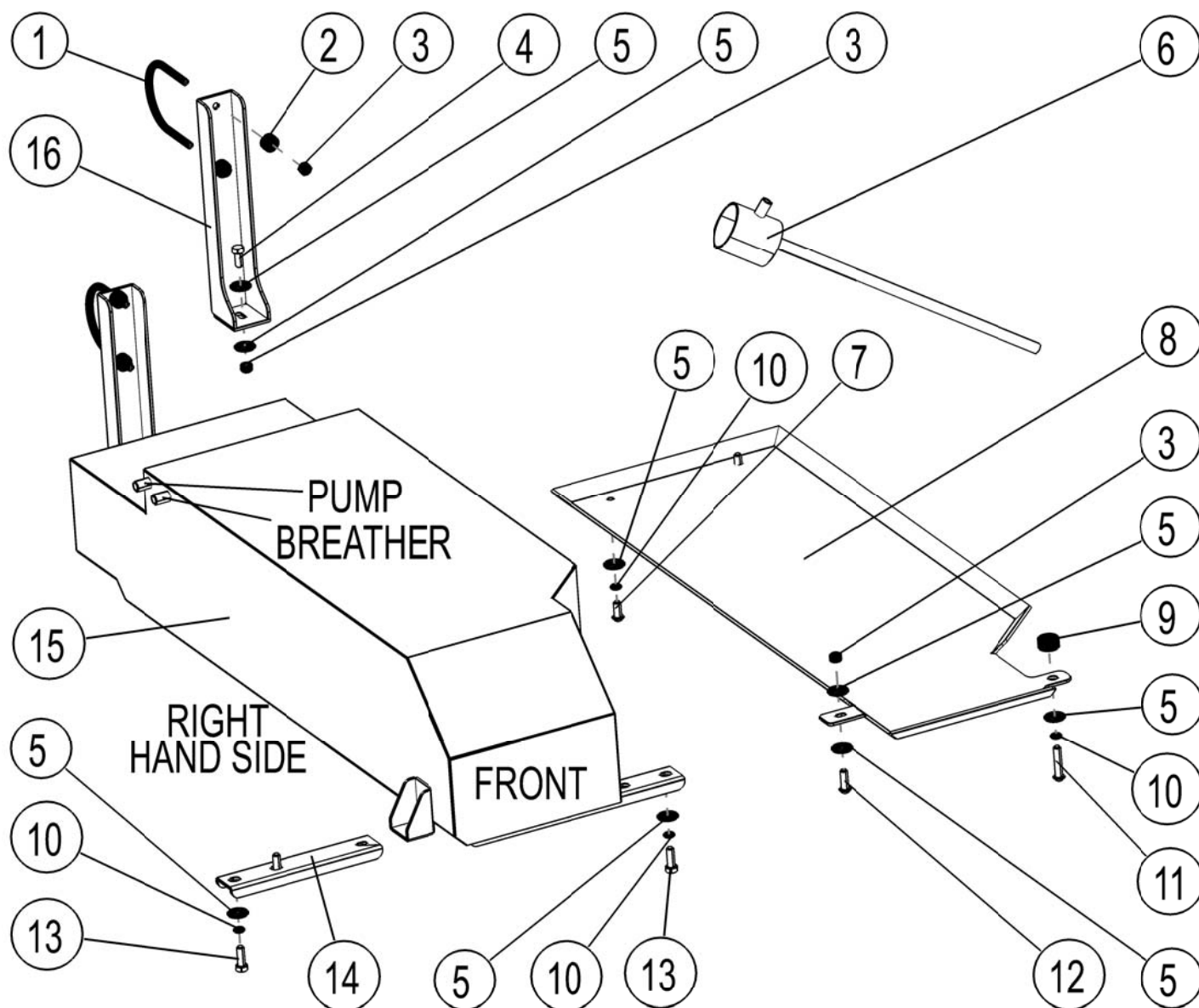
GET ORGANIZED...

Here is what you are looking at:

Item #	Quantity	Description
1	2	U-BOLT
2	4	20x18mm SPACER
3	7	M8 NYLOC NUT
4	2	M8x20 HEX BOLT
5	12	M8x25 FLAT WASHER
6	1	PICKUP NECK
7	2	M8x20 BUTTON HEAD BOLT
8	1	TANK GUARD
9	1	25x12mm SPACER
10	6	M8 SPRING WASHER
11	1	M8x40 BUTTON HEAD BOLT
12	1	M8x25 BUTTON HEAD BOLT
13	3	M8x25 HEX BOLT
14	1	RIGHT FRONT MOUNTING BRACKET
15	1	ADDITIONAL FUEL TANK
16	2	REAR MOUNTING BRACKET

You will need:

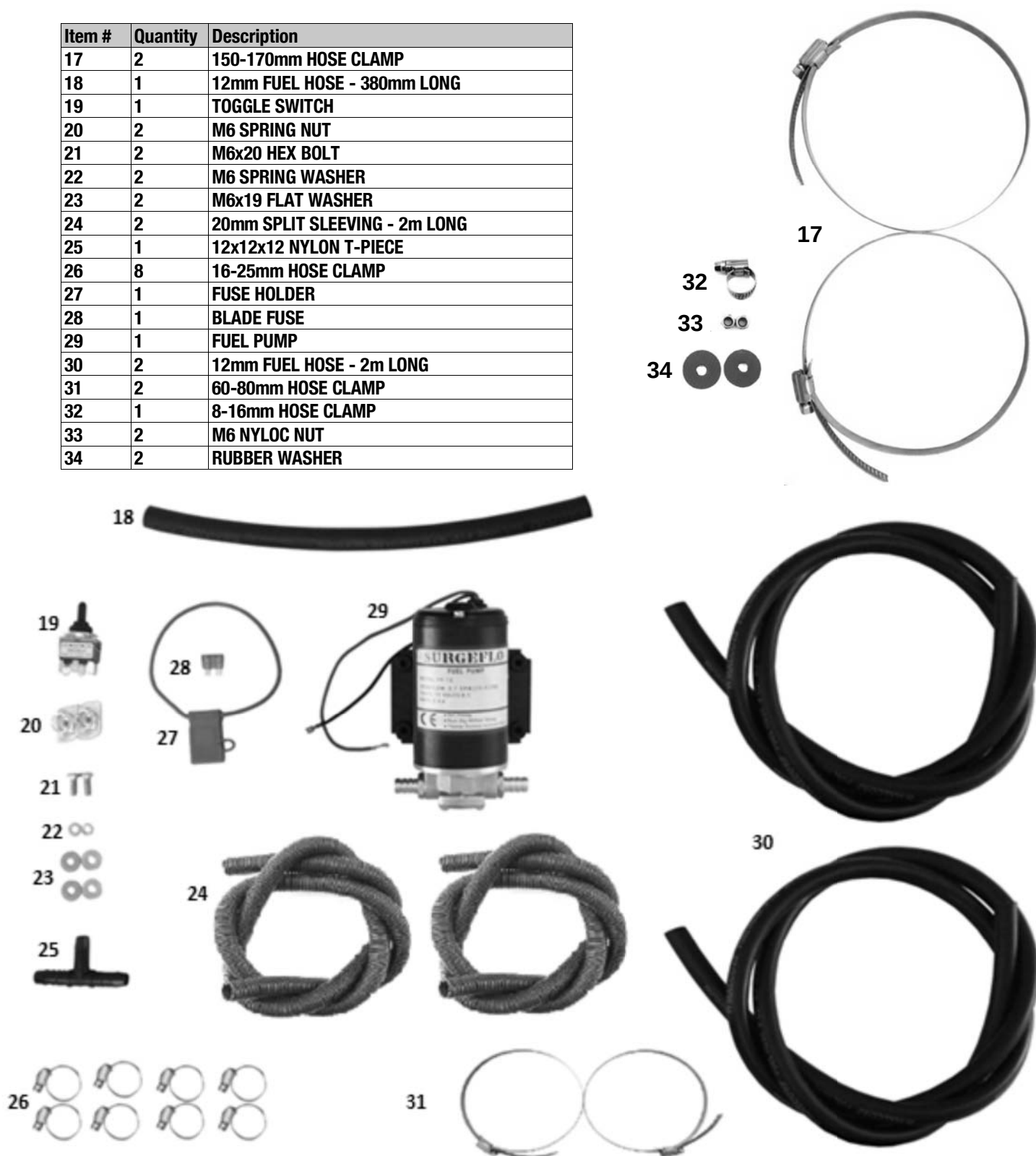
- ☐ 5 mm Hex Key
- ☐ 13 mm Socket Wrench
- ☐ Socket Wrench Extension
- ☐ 13 mm Flat Wrench
- ☐ 10 mm Flat or Socket Wrench
- ☐ 7 mm Flat or Socket Wrench
- ☐ 8 mm Flat or Socket Wrench
- ☐ Utility Knife
- ☐ Star Screwdriver
- ☐ White Marking Pen
- ☐ Suitable Wire for Pump & Switch
- ☐ 6.5 mm Drill Bit & Drill Machine
- ☐ Hack Saw



1 GET ORGANIZED CONT...

Here is what you are looking at:

Item #	Quantity	Description
17	2	150-170mm HOSE CLAMP
18	1	12mm FUEL HOSE - 380mm LONG
19	1	TOGGLE SWITCH
20	2	M6 SPRING NUT
21	2	M6x20 HEX BOLT
22	2	M6 SPRING WASHER
23	2	M6x19 FLAT WASHER
24	2	20mm SPLIT SLEEVING - 2m LONG
25	1	12x12x12 NYLON T-PIECE
26	8	16-25mm HOSE CLAMP
27	1	FUSE HOLDER
28	1	BLADE FUSE
29	1	FUEL PUMP
30	2	12mm FUEL HOSE - 2m LONG
31	2	60-80mm HOSE CLAMP
32	1	8-16mm HOSE CLAMP
33	2	M6 NYLOC NUT
34	2	RUBBER WASHER



(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.

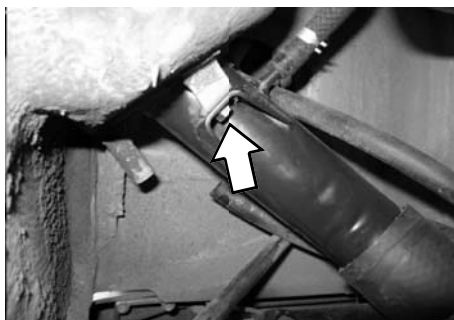
2 FIT PICKUP NECK

- (A) Remove the filler cap and rubber grommet.

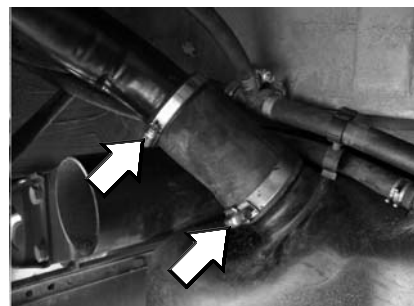


- (B) Remove the right hand side wheel arch liner.

- (C) Loosen the Bolt securing the Filler Neck to the vehicle's body.

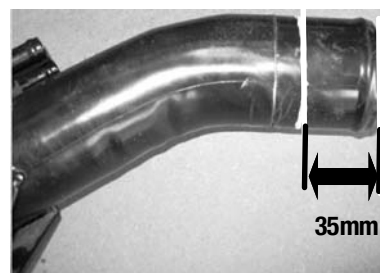


- (D) Loosen the two Hose Clamps securing the Rubber Filler Hose that runs between the Original Tank and Filler Neck.

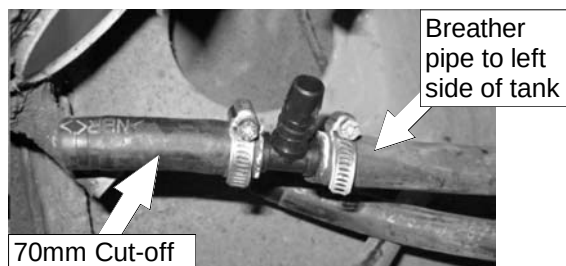


- (E) Pull the Filler Neck free from the Rubber Filler Hose. Disconnect the three Breather Pipes and remove the Filler Neck from the vehicle.

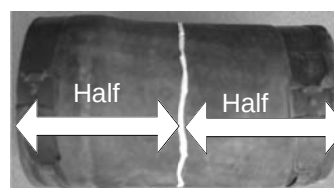
- (F) Using a hack saw, cut 35mm off the filler neck.



- (G) Locate the Breather Pipe that runs across to the left hand side of the Original Tank and vehicle. Cut off a 70mm piece from the end of the Breather Pipe and connect the Nylon T-piece supplied as shown

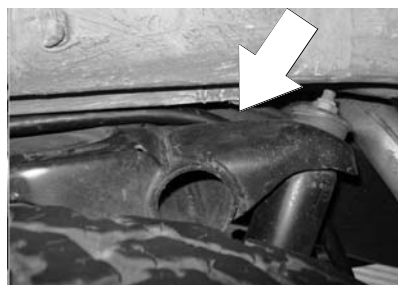


- (H) Remove the Rubber Filler Hose (Step 2D) and cut it in half. Each half should be +/- 58mm.



2 FIT PICKUP NECK CONT...

- (I) Cover both 2m long Fuel Hoses (Item 30) with the Split Sleeving (Item 24). Connect one of the 2m long Fuel Hoses to the Nylon T-piece fitted in Step 2G. Label the other end of the hose as the breather pipe and feed it through to the other side of the shock mounting bracket as shown.



- (J) Place one half of the Rubber Filler Hose from Step 2H over the inlet to the Original Fuel Tank along with two Hose Clamps (one original and one supplied). Feed the Pickup Neck through the Filler Neck Hole in the vehicle's body and into the Rubber Filler Hose and Original Tank.



- (K) Slide the second half of the Rubber Filler Hose (Step 2H) over the filler neck along with two Hose Clamps (one original and one supplied). Secure the three Breather Pipes removed in Step 2E using two 16-25mm Hose Clamps and the 8-16mm Hose Clamp (Items 26 & 32) back onto the Filler Neck and position the Filler Neck back into it's original position. Slide the Rubber Filler Hose down the Filler Neck and over Pickup Neck as shown. Fasten all four Hose Clamps. Do not fasten the Filler Neck back onto the vehicle's body as it will pull through the body work over time.

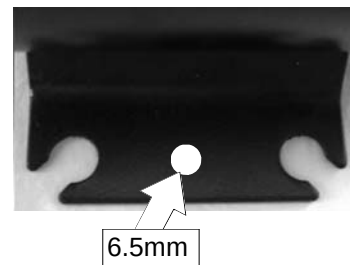
Refit the rubber grommet from Step 2A.



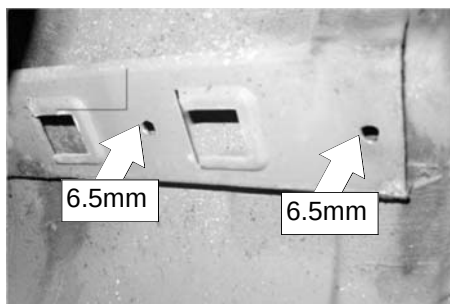
2 INSTALL PUMP

- (A) Remove the four Rubber Feet from the Pump Mounting Bracket and drill a 6.5mm Hole in the center of each Mounting Bracket "Foot" as shown.

Looking into the wheel arch, locate the bracket shown center picture below. Place the pump up against the bracket and mark the two drilled holes in the pumps mounting plate onto the bracket. Drill a 6.5mm hole on both markings. Fasten the pump to the bracket using the two Spring Nuts, two M6x20 Hex Bolts, two M6 Flat Washers and two M6 Spring Washers and two Rubber Washers (Items 20, 21, 22, 23, 34). Stretch the spring from the Spring Washer to give you a wire handle. The Rubber Washers must go between the vehicle's body and the Pump's Mounting Plate.



If your vehicle does not have the bracket (as shown below), you will need to drill and mount the Pump to the wheel arch following the same procedure as mentioned above. Fasten the Pump to the vehicle's body using two M6x20 Hex Bolts, four M6 Flat Washers, two M6 Nyloc Nuts and Rubber Washers (Items 21, 23, 33, 34).



- (B) Connect the pump to the Pickup Neck using the 380mm long piece of Fuel Hose and two 16-25mm Hose Clamps supplied.



- (C) Connect the second length of 2m long Fuel Hose Supplied to the other end of the Fuel Pump using a 16-25mm Hose Clamps supplied. Run the Hose through to the other side of the shock tower as in Step 21.

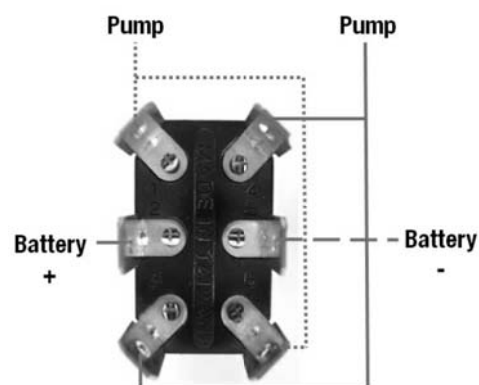


2 INSTALL PUMP CONT...

- (D) Find a suitable position to mount the Toggle Switch supplied.

Wire the switch to the battery and Pump following the diagram provided. This will allow the pump to change direction by flipping the switch to either of the two "On" positions. The Pump will transfer fuel from the Original Tank to the Additional Tank when +12v is applied to the Black Wire on the Pump and visa versa when +12v is applied to the Red Wire.

Note: The fuse supplied must be connect in-line with the positive wire running from the battery to the switch.

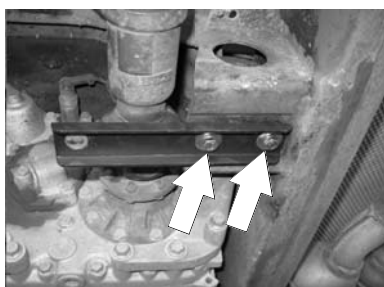


3 FIT THE TANK

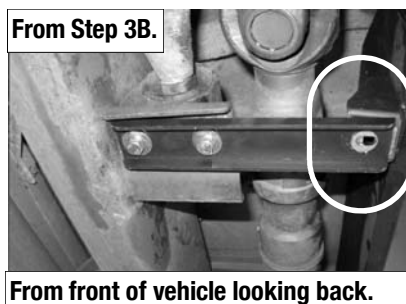
- (A) Loosely fit the two Rear Mounting Brackets over the rear chassis cross member using two U-Bolts, four 20x18mm Spacers and four M8 Nyloc Nuts (Items 1,2,3). Ensure that they are still able to move.



- (B) On the right hand side of the vehicle, remove the two original bolts and fasten the Right Front Mounting Bracket to the vehicle using two M8x25 Hex Bolts, M8 Spring Washers and M8x25 Flat Washers (items 5,10,13) supplied as shown.



- (C) Remove the two original bolts from the opposite side of the vehicle as with Step 3B. Lift the Additional Tank into position. Note that the Tank sits on top of the Right Front Mounting Bracket fitted in Step 3B.



3 FIT THE TANK CONT...

- (D) Loosely fasten the Tank to the Rear Brackets using two M8x20 Hex Bolts, two M8 Nyloc Nuts and four M8x25 Flat Washers (Items 3,4,5) supplied.

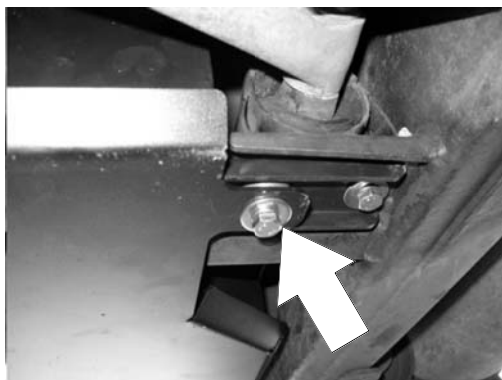


- (E) Loosely fasten the Front Left Mounting to the vehicle using the remaining M8x25 Hex Bolts, a M8x25 Flat Washer and M8 Spring Washer (Items 5,10,13).

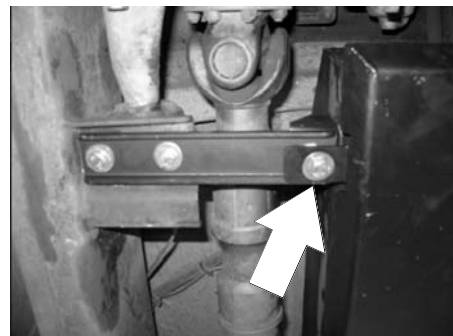


4 FIT THE TANK GUARD

- (A) Using a M8x40 Button Head Bolt, M8x25 Flat Washer and the 20x18mm Spacer (Items 5, 10, 13) supplied loosely fasten the front left of the Tank Guard to the vehicle. The Spacer goes between the front left tank mount and the Tank Guard.



- (B) Using a M8x25 Button Head Bolt, two M8x25 Flat Washers and M8 Nyloc Nut (items 3, 5, 12), loosely fasten the front right of the Tank Guard to the tank.

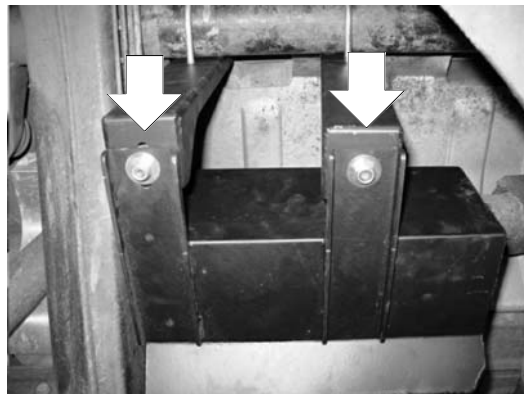


4 FIT THE TANK GUARD CONT...

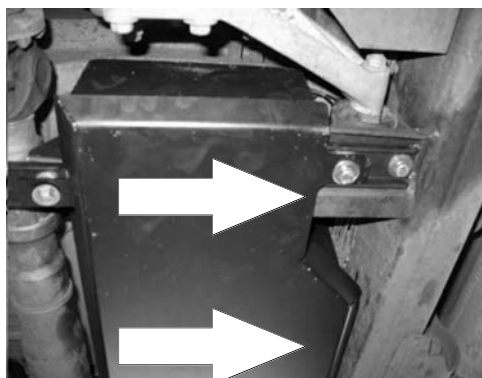
- (C) Fasten the rear of the Tank Guard to the tank using the remaining two M8x20 Button Head Bolts, M8x25 Flat Washer and M8 Spring Nuts (Items 5, 7, 10).



- (D) Push the two Rear Mounting Brackets forward until they are hanging vertically and fasten.



- (E) Push the Tank and Guard as far to the left side of the vehicle as possible (away from the prop shaft). Tighten all nuts and bolts



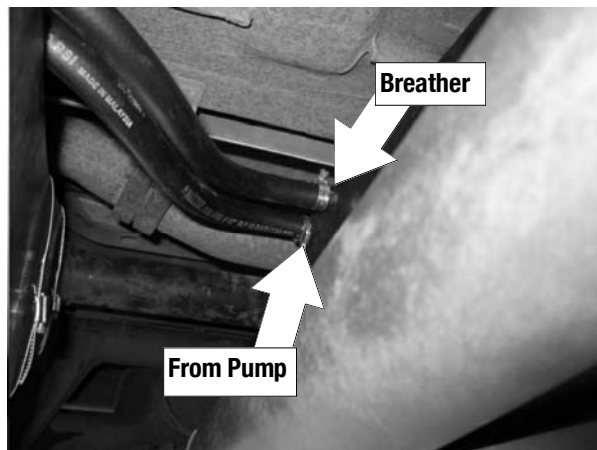
5 RUN THE PIPING

- (A) Locate two Fuel Hoses running from the filler neck and fuel pump - refer to Steps 2I & 3C and secure to the chassis rail using the two 150-170 mm Hose Clamps (Item 17). Provide as much clearance from the exhaust as possible.



5 RUN THE PIPING CONT...

- (B) Run the two Hoses over the chassis rail and connect them to the Tank using the remaining Hose Clamps (Item 26) provided. The Hose from Step 2I, labeled as "breather", gets connected to Front 12mm Port and the second pipe, running from the Pump (Step 3C), gets connected to the Rear 12mm Port.



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

6 INSTALL OTHER VEHICLE AND RACK ACCESSORIES

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