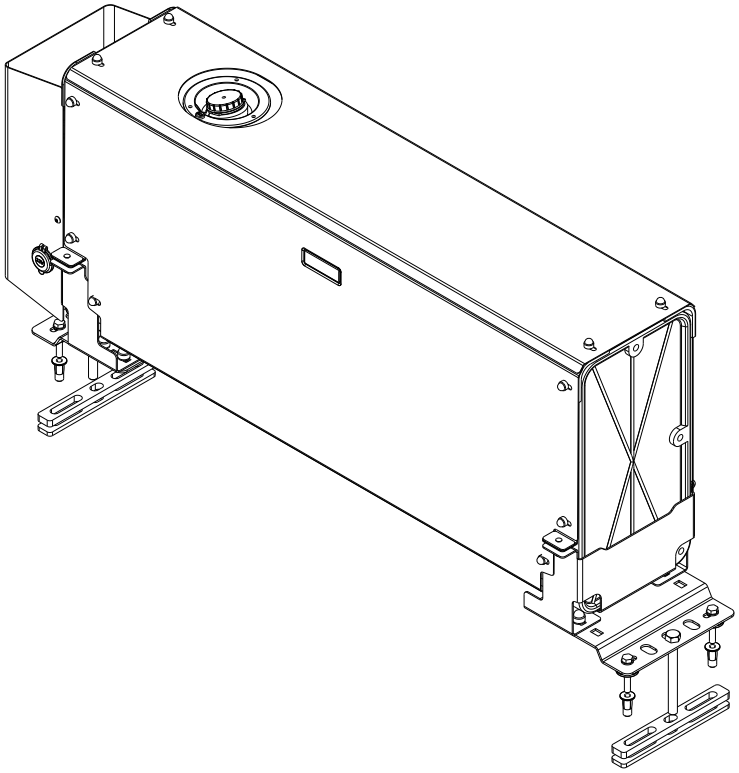
FRONT RUNNER

75 L LOAD BED WATER TANK/PUMP & MOUNTING BRACKETS

ENG

WTAN074



READ ME ! ⚠

Thank you for purchasing a 75L Load Bed Water Tank/Pump & Mounting Brackets.

Before you start, take a moment to familiarize yourself with the Fitting Instructions and the included components.

Refer to Page 2 for a list of all the components, quantities and tools required.

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. 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 PRECAUTIONS 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.

NOTE: Front Runner will not be responsible for any damage caused by the failure to install the product according to these instructions.

Please call us if you have any questions about the installation of this product.

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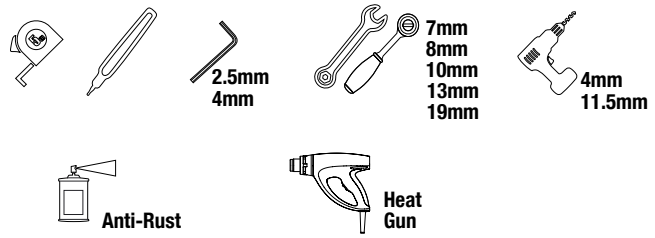
1 GET ORGANIZED

WTAN074

IN THE BOX

1	1 X	Pump Bracket Assembly
2	1 X	Water Pump / 12.5L/Min
3	1 X	Water Hose 1/2" Clear - 155mm Long
4	1 X	Water Hose 1/2" Clear - 325mm Long
5	4 X	Hose Clamp 1/2"
6	4 X	M5 x 10 x 1 Flat Washer
7	4 X	M5 Nyloc Nut
8	2 X	Mounting Bracket
9	8 X	M8 x 20 Carriage Bolt (Black)
10	12 X	M8 x 16 x 1.6 Flat Washer
11	8 X	M8 Nyloc Nut
12	2 X	M12 x 120 Hex Bolt (Replacement for Toyota Tacoma / Tundra bolts)
13	4 X	M8 x 50 Hex Bolt
14	16 X	M12 x 30 x 3 Flat Washer
15	4 X	M8 Plus Nut
16	2 X	10mm HDPE Spacer
17	2 X	6mm HDPE Spacer
18	1 X	Pump Cover
19	3 X	M6 x 10 Button Head Bolt
20	2 X	Strap Assembly - 1 LH & 1 RH
21	16 X	M6 Nyloc Nut
22	16 X	M6 Nut Cap
23	2 X	Stud Plate Assembly
24	4 X	Tank Strap Rubber - PLRU160
25	1 X	Tank Support Bracket Assembly
26	8 X	M8 Nut Cap
27	1 X	Top Tank Cover
28	10 X	M6 x 19 x 1 Flat Washer
29	2 X	M4 x 12 Button Head Bolt
30	2 X	M4 Nyloc Nut
31	1 X	M8 x 70 Hex Bolt
32	1 X	M8 Hex Nut
33	2 X	M8 x 19 x 3 Flat Washer
34	4 X	M5 Nut Cap
35	2 X	M4 Nut Cap
36	1 X	SAE Panel Socket
37	1 X	12V Cigarette to SAE Extension Cable

TOOLS NEEDED



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1 GET ORGANIZED

WTAN074

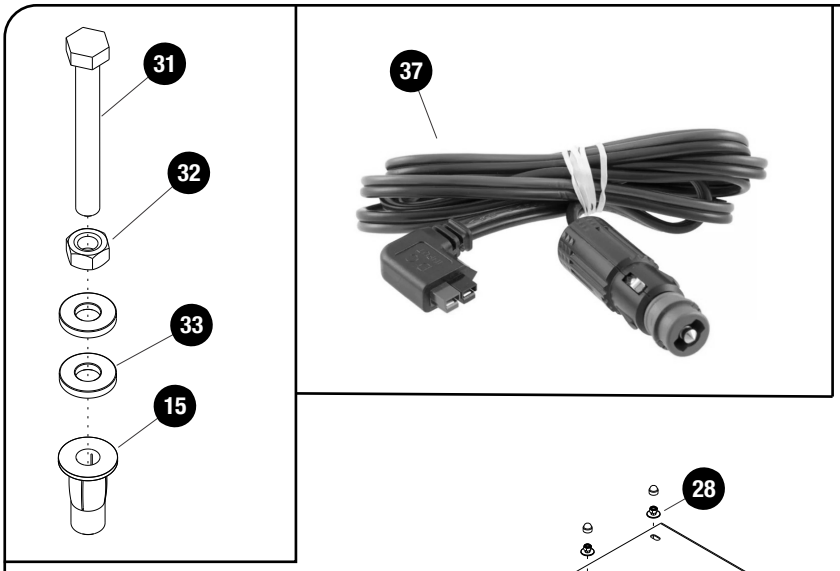
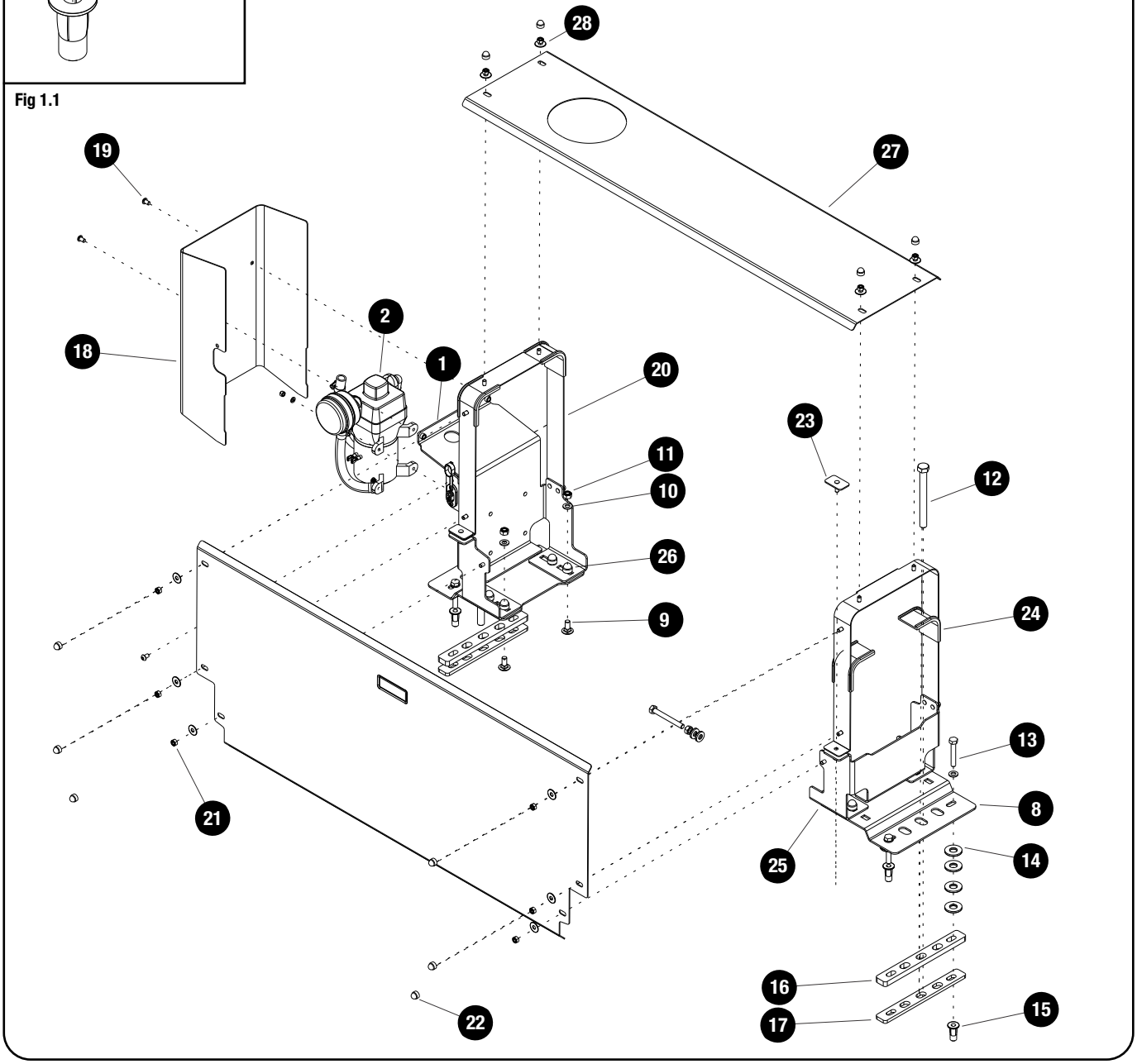


Fig 1.1



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2 GET ORGANIZED

WTAN091

IN THE BOX

1	1 X	75L Water Tank
2	1 X	3/4" x 1/2" Hose Barb
3	1 X	3/4" Back Nut
4	1 X	3/8" x 1/2" Hose Barb
5	1 X	25ft Expander Hose
6	1 X	Front Cover
7	1 X	3/4" Shut Off Valve

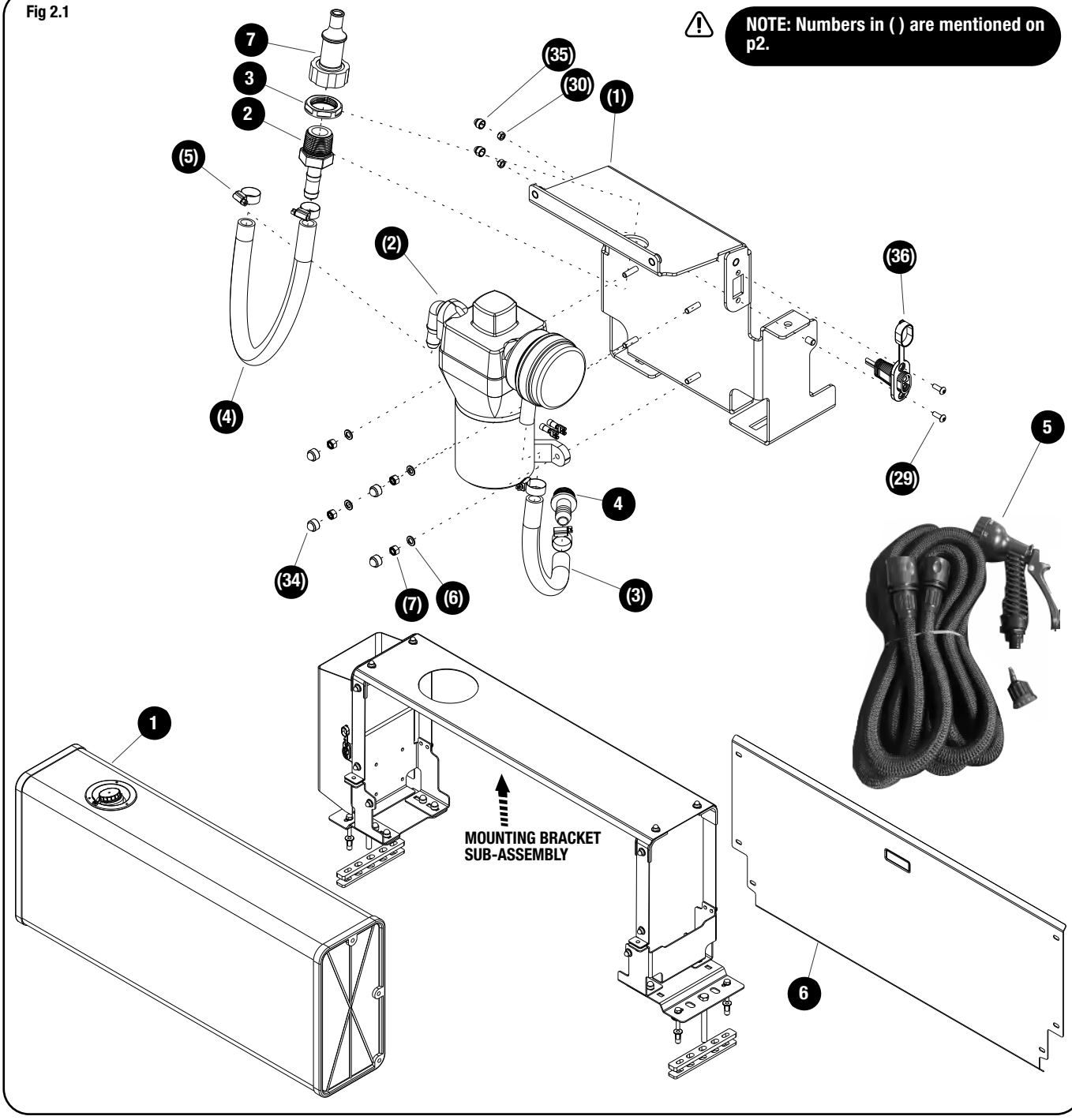
TOOLS NEEDED


Teflon Tape


#2

Fig 2.1

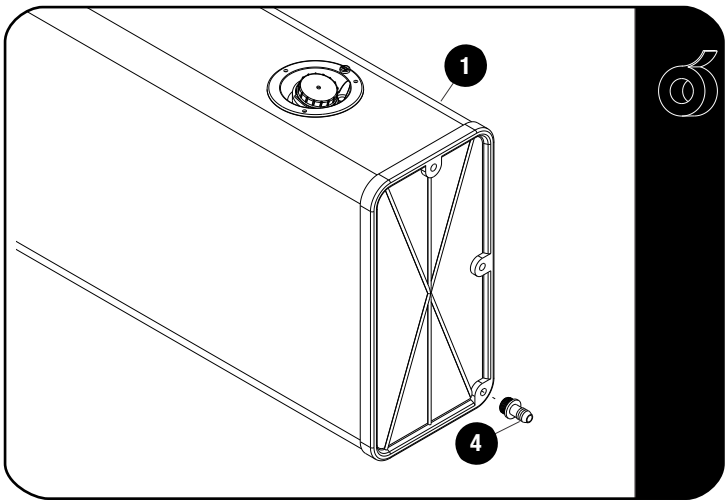
NOTE: Numbers in ( ) are mentioned on p2.



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3 ASSEMBLE - PUMP

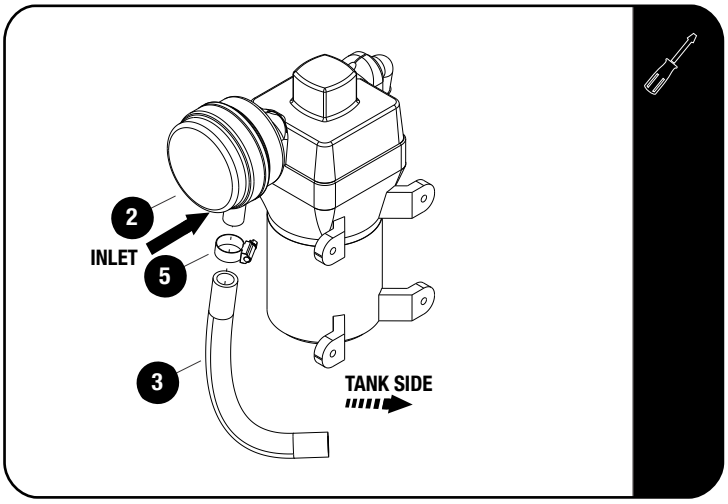
3.1



Fit the 3/8" x 1/2" Hose Barb (Item 4) to the lower water port of the Tank (Item 1).

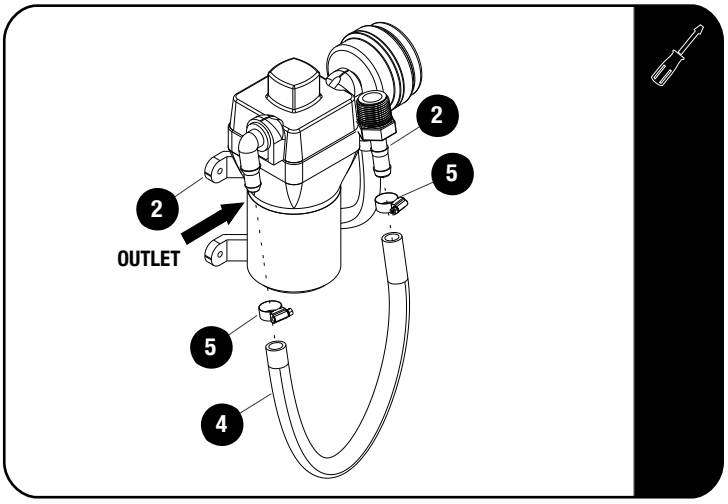
Use some PTFE Thread Tape to ensure no leaks and take care not to over tighten.

3.2



Fit the 155mm Length of 12mm Clear Water Hose (Item 3) to the Water Pump (Item 2) inlet, and secure using a Hose Clamp (Item 5), as shown.

3.3



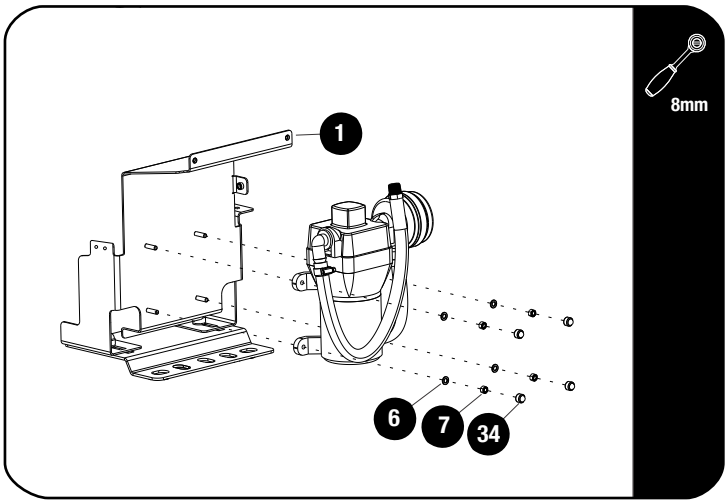
Fit the 325mm Length of 12mm Clear Water Hose (Item 4) to the Water Pump Outlet (Item 2) and secure using a Hose Clamp (Item 5), as shown.

Fit the Male Barbed Fitting 3/4 x 1/2 (Item 2) to the opposite side of the outlet hose and secure with a Hose Clamp (Item 5), as shown.

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3 ASSEMBLE - PUMP & SOCKET

3.4



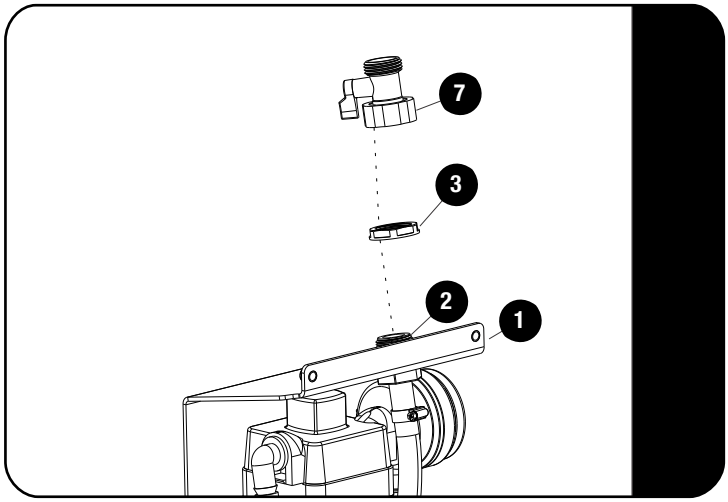
Secure the Pump, as shown in Step 3.2 and 3.3, to the Pump Bracket (Item 1) using M5 x10 x 1 Flat Washers (Item 6) and M5 Nyloc Nuts (Item 7).

Tightening Torque:

M5 : 7Nm / 3.6 ft lb

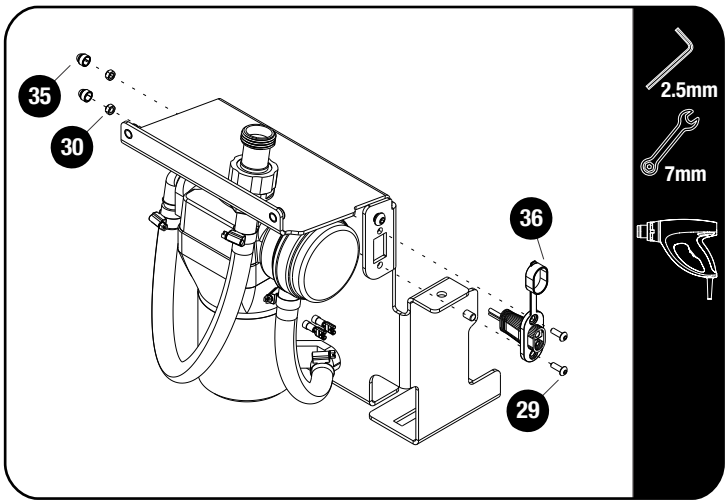
Tighten all fasteners. Place a M5 Nut Cap (Item 34) on each M5 Nyloc Nut.

3.5



Insert the Male Barbed Fitting 3/4 x 1/2 (Item 2) assembled in Step 3.3 through the top hole in the Pump Bracket (Item 1) and secure with the Lock Nut 3/4 (Item 3). Fit the 3/4" shut off valve (Item 7).

3.6



Insert the Pump wiring through the bracket cut out and slide the incl heat shrink over the two wires before connecting them to the SAE Panel Socket (Item 36). Shrink the sleeving using a heat gun.

Position the Socket over the bracket cut out and secure with M4 x 12 Button Head Bolts and Nyloc Nuts (Items 29 & 30).

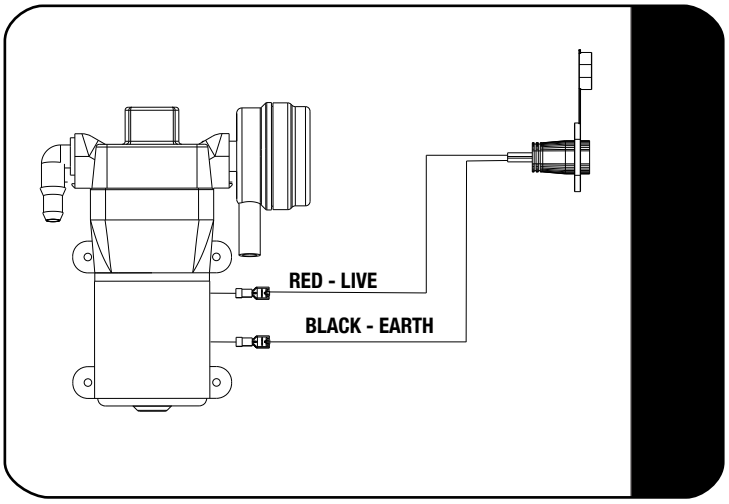
Fully Tighten the fasteners and place a M4 Nut Cap (Item 35) on each Nyloc Nut.

Seek the help of an Auto-Electrician if required.

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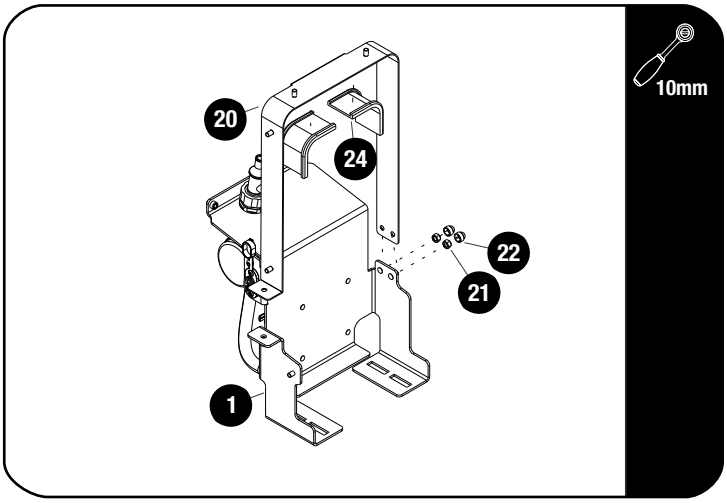
3 ASSEMBLE - PUMP & SOCKET

3.7



4 ASSEMBLE - TANK BRACKETS

4.1



Assemble the Strap (Item 20) with two Tank Strap Rubbers (Item 24), one in each corner, by placing them under the strap, as shown.

Fit the Tank Straps (Item 20) to the rear of the Pump Support bracket using two M6 Nyloc Nuts (Item 21) and fully tighten.

Tightening Torque:

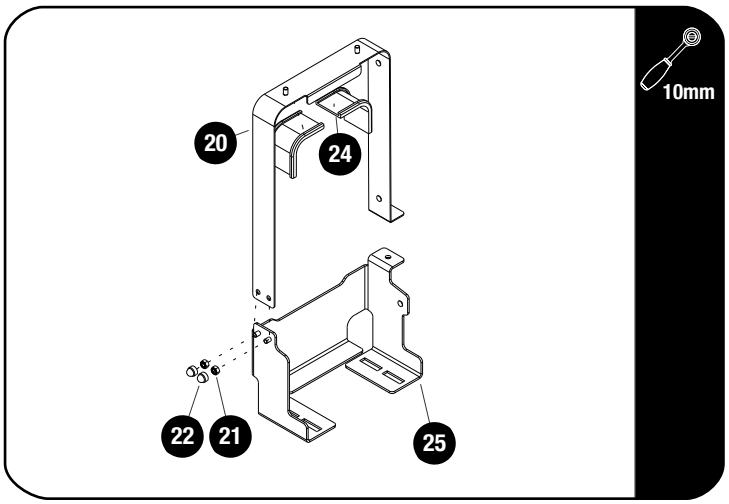
M6 : 8-10Nm / 5.9 ft lb - 7.38 ft lb

Place M6 Nut Caps (Item 22) on all M6 Nyloc Nuts.

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4 ASSEMBLE - TANK BRACKETS

4.2



Assemble the remaining Strap (Item 20) with two Tank Strap Rubbers (Item 24), one in each corner.

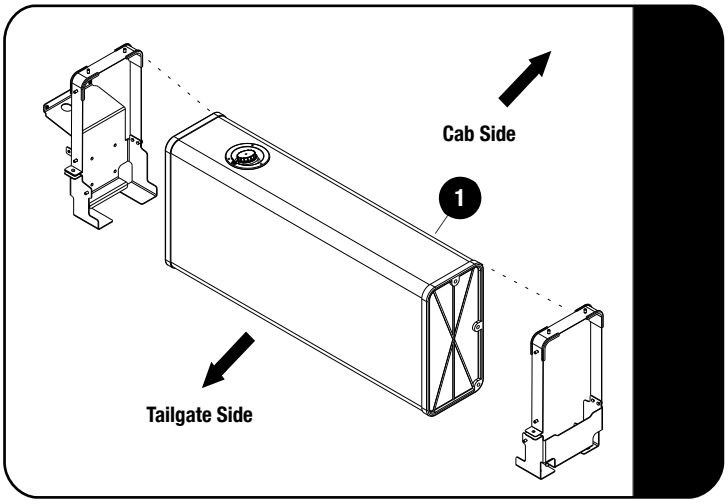
Fit the Tank Straps (Item 20) to the rear of the Tank Support bracket (Item 25)using two M6 Nyloc Nuts (Item 21) and fully tighten.

Tightening Torque:

M6 : 8-10Nm / 5.9 ft lb - 7.38 ft lb

Place M6 Nut Caps (Item 22) on all M6 Nyloc Nuts.

4.3



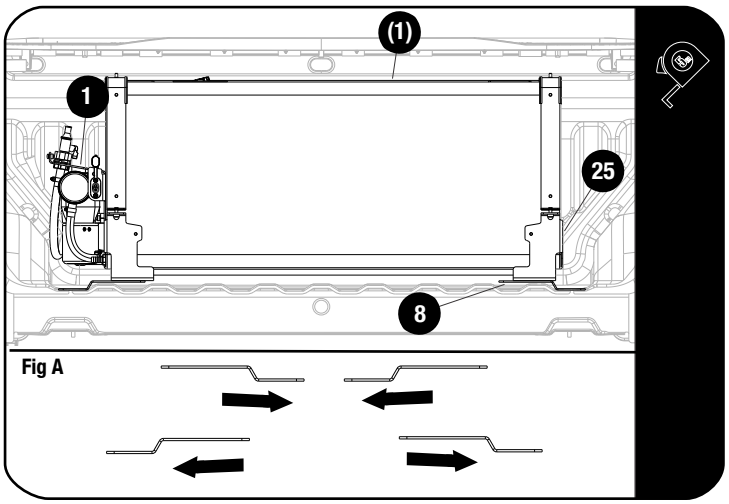
Slide the assembled Brackets and Straps over the tank ends.

Take note of Tank and Bracket orientation.

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5 FIT & SECURE - LOAD BED

5.1



Place the Tank and Bracket assembly in the load bed behind the cab. Center the tank between the wheel tubs and check for any interference and clearance on all 4 sides.

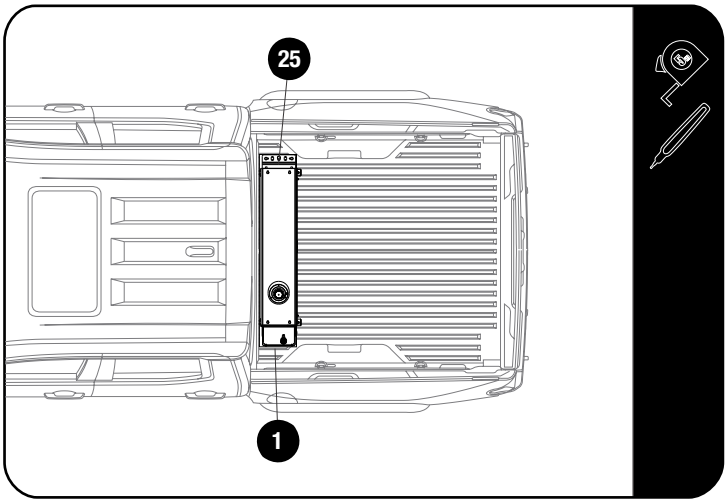
Lay the Mounting Brackets (Items 8) in front of the tank to identify the best placement between the load bed ribs, lowest section preferred

Mounting Brackets can be positioned facing inward or outward, as shown in fig A.

Identify which slots and holes is best suited to assemble the Brackets together.

NOTE: For Toyota Tacoma / Tundra fitment, the OEM Bed Bolt will be used to fit the brackets to the bed.

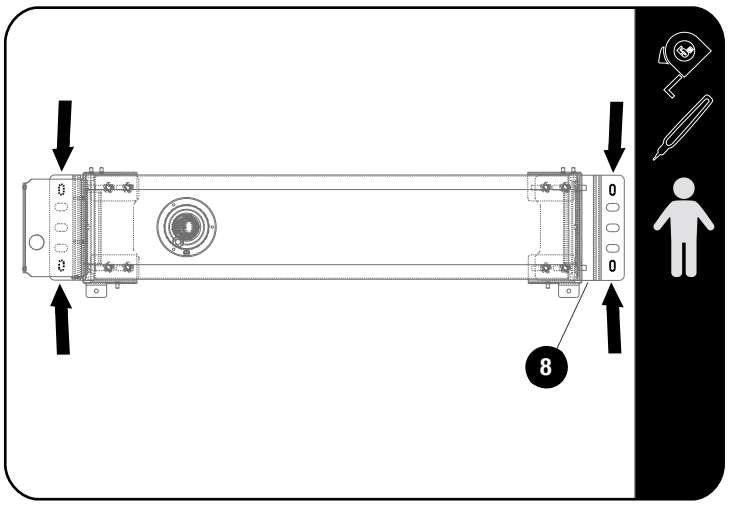
5.2



Remove the tank taking care not to move the bed brackets you positioned earlier.

Shift the bed brackets toward the cab in the position the tank was placed.

5.3



Mark the holes centers of the Bed Mounting Brackets (Item 8), as shown - 2 holes per bracket preferred.

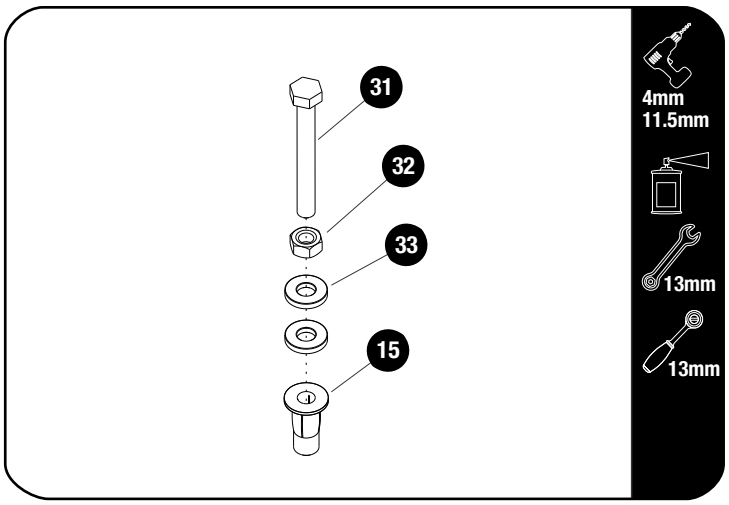
Check that marked positions do not interfere with any parts or assemblies on the under-side of the Load Bed, before drilling.

Remove all components from the Load Bed after marking.

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5 FIT & SECURE - LOAD BED

5.4



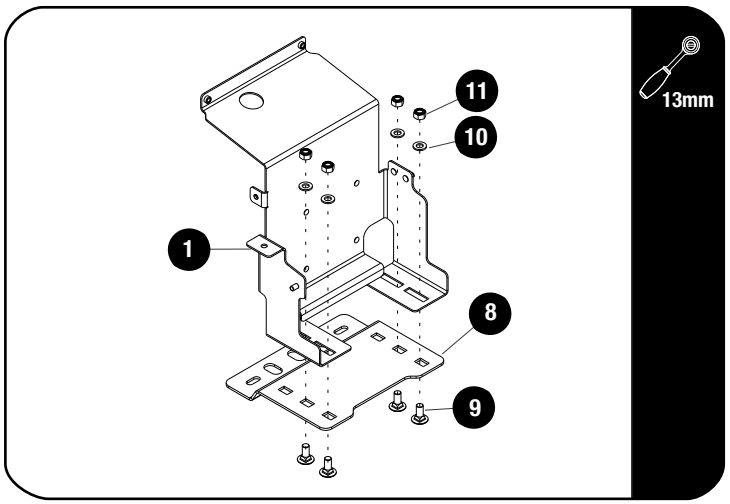
Drill a 4mm pilot hole on each of the markings made in Step 5.3. Open the holes to 11.5mm. Apply anti rust in and around each of the holes drilled.

Using the M8 x 70 Hex Bolt, thread the M8 Nut half way up the bolt threads (Item 31 & 32). Place two M8 x 19 x 3 Washers (Item 33)onto the nut before threading the M8 Plus Nut (Item 15) onto the bolt. Place the assembly into one of the holes. Use a 13mm wrench to hold the M8 Nut securely in place and use a ratchet/cordless driver with a 13mm socket to turn and set the Plus Nut in place.

Measure the height of the Rib in the Load Bed to determine the correct spacer or washer arrangement. The Mounting Bracket should be supported, and not raised above the Rib. The top section should rest on the raised rib where possible.

6 FIT AND SECURE - VEHICLE MOUNTING AND COVERS

6.1



Carefully remove the Tank from the brackets.

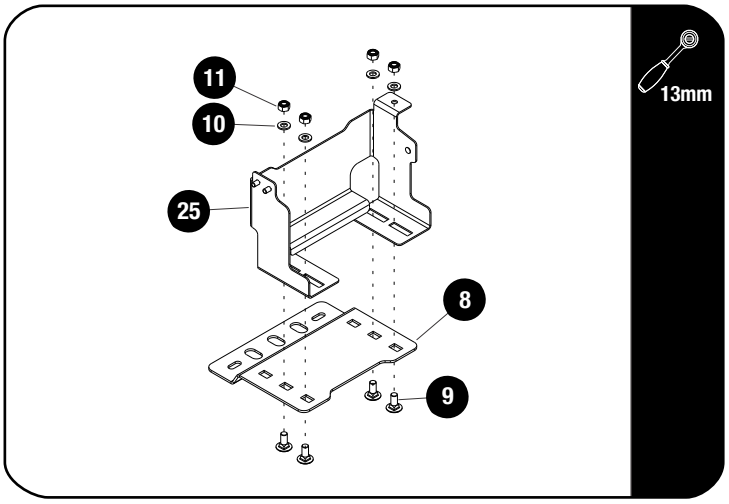
On a suitable surface, loosely assemble one of the Mounting Brackets (Item 8) with the Pump Bracket Assembly (Item 1), using four M8 x 20 Carriage Bolts (Item 9), four M8 x 16 x 1.6 Flat Washers (Item 10) and four M8 Nyloc Nuts (Item 11).

Take note of Step 5.1 indicating which slots to use.

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6 FIT AND SECURE - VEHICLE MOUNTING AND COVERS

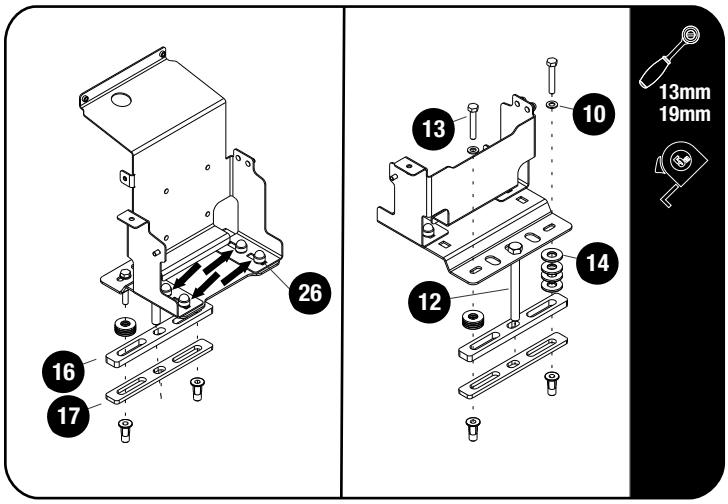
6.2



Loosely assemble the remaining Mounting Bracket (Item 8) with the Tank Support Bracket Assembly (Item 25), using four M8 x 20 Carriage Bolts (Item 9), four M8 x 16 x 1.6 Flat Washers (Item 10) and four M8 Nyloc Nuts (Item 11).

Take note of Step 5.1 indicating which slots to use.

6.3



Align the 6mm - and/or 10mm HDPE Spacers (Items 16 & 17) or washer stack best suited, with the Plus Nut holes, as shown. Place the M12 x 30 x 3 Flat Washers (Item 14) over each hole, as needed, to install the tank level to the Load Bed.

NOTE: 1 x 6mm and 1 x 10mm Spacer required for Toyota Tundra / Tacoma.

Place the assemblies from Steps 6.1 and 6.2 over their corresponding holes.

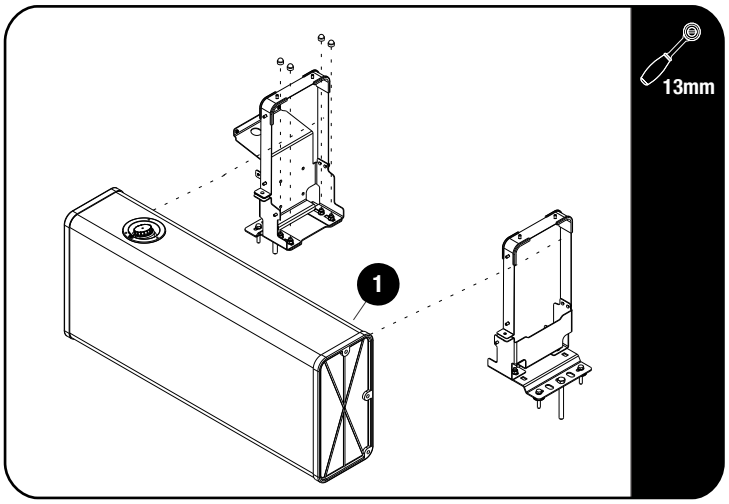
Loosely assemble using M8 x 50 Hex Bolts (Item 13) and M8 x 16 x 1.6 Flat Washers (Item 10), or using M12 x 120mm Fine Thread Hex Bolts (Item 12) for the Toyota Tundra/Tacoma.

Fully tighten all fasteners - including the Carriage Bolts on the marks made in Step 5.1 - and place M8 Nut Caps (Item 26) on all M8 Nyloc Nuts.

<u>Tightening Torque</u>:

M8 : 15-20Nm / 11.06 ft lb - 14.75 ft lb

6.4



Carefully lift the assembled Tank Straps installed in the Step 4.1 and 4.2 and position the Tank (Item 1) in the brackets.

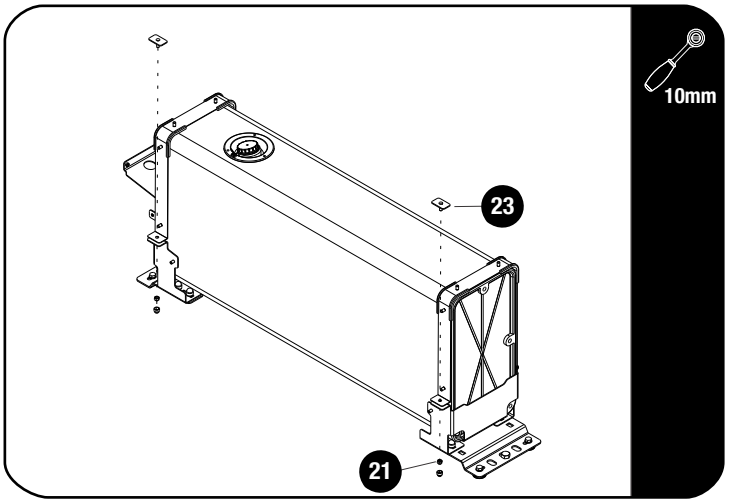
<u>Tightening Torque</u>:

M8 : 15-20Nm / 11.06 ft lb - 14.75 ft lb

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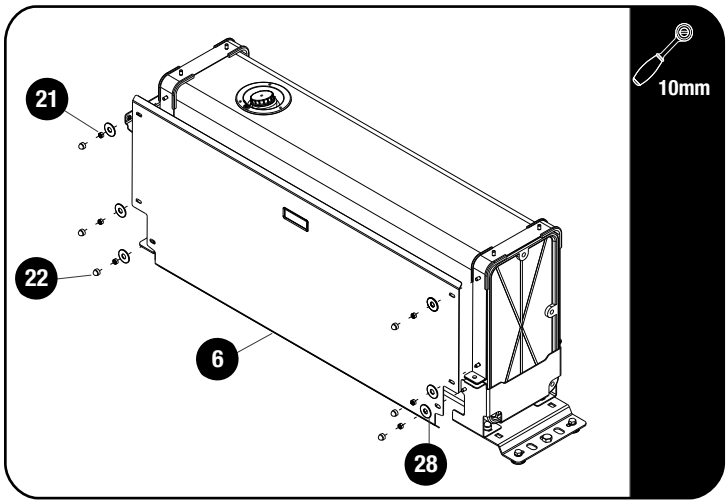
6 FIT AND SECURE - VEHICLE MOUNTING AND COVERS

6.5



Secure the Tank by placing the Stud Plate Assemblies (Item 23) on the flat wing of each of the Tank Staps. Loosely tighten using M6 Nyloc Nuts (Item 21).

6.6



Check the Tank and Straps are seated correctly before tightening the straps.

Fit the Front Tank Cover (Item 6) using M6 x 19 x 1 Flat Washers and M6 Nyloc Nuts (Items 28 & 21)

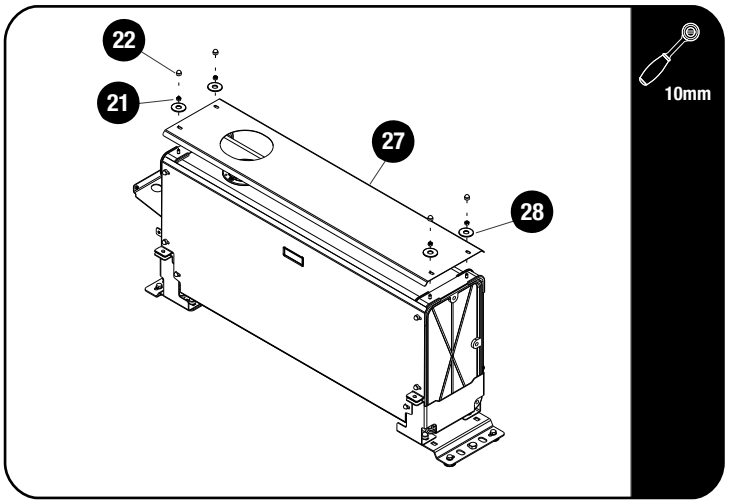
Connect the Tank Outlet pipe to the 3/8" x 1/2" Hose Barb on the Tank, using a Hose Clamp as shown in Step 3.2.

Tightening Torque:

M6 : 8-10Nm / 5.9 ft lb - 7.38 ft lb

Align the Cover and tighten all fasteners. Place a M6 Nut Cap (Item 22) on each M6 Nyloc Nut.

6.7



Loosely assemble the Tank Top Cover (Item 27) using M6 x 19 x 1 Flat Washers and M6 Nyloc Nuts (Items 28 & 21)

Tightening Torque:

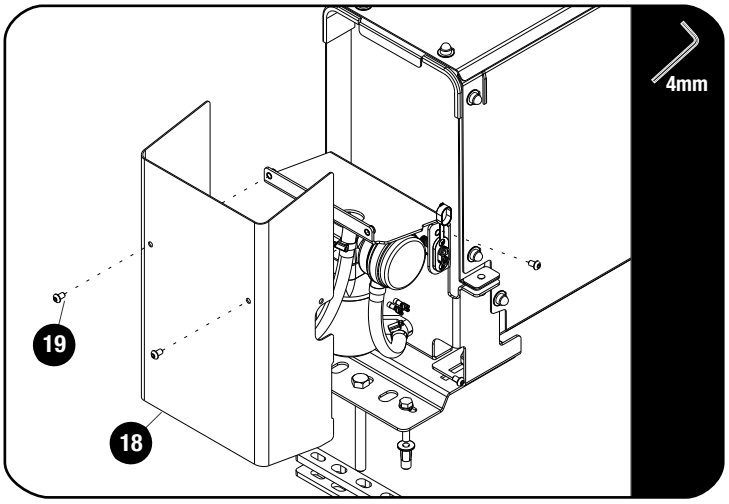
M6 : 8-10Nm / 5.9 ft lb - 7.38 ft lb

Align the Cover and tighten all fasteners. Place a M6 Nut Cap (Item 22) on each M6 Nyloc Nut.

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6 FIT AND SECURE - VEHICLE MOUNTING AND COVERS

6.8



Secure the Pump Cover (Item 18) to the Pump Bracket (Item 1) using three M6 x 10 Button Head Bolts (Item 19), as shown.

⚠ **Tightening Torque:**

M6 : 8-10Nm / 5.9 ft lb - 7.38 ft lb

Tighten all fasteners.

7 COMPLETION

7.1 Congratulations! You did it. Take a step back and admire your work!

8 INSTALL OTHER VEHICLE AND RACK ACCESSORIES

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

IMPORTANT! ⚠

FRONT RUNNER RACK KITS OFTEN HAVE A HIGHER LOAD RATING THAN THE VEHICLES THEY ARE MOUNTED TO. PLEASE REFER TO YOUR SPECIFIC VEHICLE MANUFACTURER FOR A RECOMMENDED ROOF RATING. FRONT RUNNER CANNOT BE RESPONSIBLE FOR IMPROPER LOADING BEYOND THE VEHICLE MANUFACTURER'S STATED LOAD CAPACITY.

Be sure to tag us. We love to see our gear in action! #FrontRunnerOutfitters #BornToRoam

Share your adventures on:

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