

Part Number:	KS0163
Product Description:	Rear Water Tank 30L
Suited to Vehicle/s:	TOYOTA PRADO 150 SERIES

Contents

1 x 30L Water Tank	1.0m, 8mm Clear Tubing
2 x Mounting Brackets	4 x M8 x 25 High Rubber Isolators
0.22m, 6mm Clear Tubing	8 x M8 Flanged Nuts
2 x 1/8 NPT x 6mm Push On Banjo Fitting	1 x 15mm Chrome Tap
2 x 1/8 NPT x 8mm Push On Fitting	1 x 15mm Brass Extension
2 x 1/4 Brass Breather	1 Roll Teflon Thread Tape
2 x 1/4 Female NPT x 8mm Push On Fitting	

Preparation

Apply 4 or 5 turns of Teflon tape to the 2 x 90-degree banjo fittings and 2 x 1/8 NPT x 8mm push on fittings.

The Banjo fittings are for the sight level.

Install these fittings to the 4 tapped holes in the water tank. Do not over tighten. These have a tapered thread and need only be tightened firmly to seal. Do not wind all the way down.

Cut the 6mm clear hose for the water level gauge and install between the fittings of the front face of the tank. Push the hose firmly into the fitting to ensure a good seal.

Cut the 8mm clear hose in half and push these into the fittings on top of the tank. These are the breather hoses.

Rinse and wash the tank with a weak detergent solution prior to use.

Vehicle Preparation

Remove the plastic trim that covers the gap between the towbar and vehicle.

Attach the 4 rubber isolators to the underside of the mounts on the water tank with supplied M8 flanged nuts.



BOLT TORQUE	Dia. (mm)	5mm dia	6mm dia.	8mm dia.	10mm dia.	12mm dia.
	(Nm)	5 Nm	9 Nm	22 Nm	44 Nm	77 Nm

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Vehicle Preparation Continued...

Remove towbar nuts and attach the towbar mounting bracket to the towbar using existing nuts. Attach loosely to the right-hand side only.

Remove the 2 M10 bolts that attach the towbar to the side arms on the opposite side. Left hand side only. This will make installing the tank much easier.

Ensure there are no wires or hoses in the cavity where the tank will be installed.



Tank Installation

Lift the tank into position. Lift the RH side up and ensure the isolators are sitting on top of the bracket.

Lift the LH side up and position the mounting bracket and re-install the bolts that were removed from the towbar. The original towbar nuts are re-used.

Adjust the position of the tank to ensure even gap to the vehicle. You might need to remove the tank to adjust the position of the isolators and to tension the nuts on the top of the brackets.

Ensure breather lines are clear and unobstructed.



Tighten and torque all bolts.

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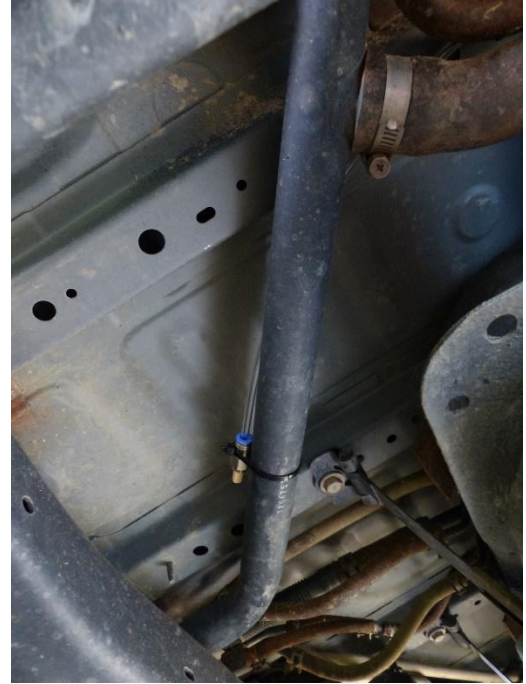
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Plumbing

Use the supplied Teflon tape to seal the following connections.

Attach the brass breathers to the 1/4 female NPT 8mm push on fittings. Position the breather hoses under the vehicle and determine a suitable position for the breather which is higher than the top of the tank. Push on the fitting and secure in place.

Attach the brass extension to the 15mm threaded tank outlet. Wind on the supplied tap. You may need to add more Teflon tape so that the tap winds on firmly to the position you require.



Filling

Attach a standard garden hose fitting to the end of the tap.

The tank is filled and drained from the same outlet. Ensure the tap is turned on in the open position to allow the water to enter the tank.

Fill to the desired level or until water escapes from the breathers.

Excessive pressure or flow may cause tank to swell. Turn off water as soon as tank is full.

If the breathers get wet, the flow from the outlet is reduced until they dry out. This is because the tank cannot breathe as freely when the breathers are wet.



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