



INSTALLATION INSTRUCTIONS

Item Description
Vehicle

Front Bumper
2003-2009 4runner Bumper
Install

DEMELLO-OFFROAD

www.demello-offroad.com

12785 Magnolia Ave
Riverside CA 92503 Unit #1

phone: 1-951-735-4417
fax: 1-951-735-4644

Kit contents

1 – front bumper	1 – Plastic loom
2 – side brackets.	2 – M12 bolts with washers
6 – 3/8in bolts nuts and washers	2 – M8 bolts with washers

Tools recommended for installation

3/8" ratchet	10mm, 13mm, 14mm, 17mm 19mm sockets
Torque wrench (0-60 lb-ft)	Box cutter or other tool to cut inner fender liner.
Flat head screwdriver	Pliers

Hint: You will need the assistance of two friends to hold the bumper in place during installation.

Bolt torque settings

8 – front frame assembly bolts 48 lb-ft	4 – side frame bolts 60 lb-ft
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SRS airbag equipped vehicles

This bumper has not been tested with SRS Airbag equipped vehicles and may or may not adversely effect the operation of SRS Airbag systems. By installing this bumper you accept all responsibility and risks associated with the effect this bumper may have on the SRS Airbag system in your vehicle.

OEM bumper removal procedure



1.) Start by opening the hood on your 2003-2009 Toyota 4Runner. This installation should only be performed by a experienced mechanically inclined individual.



2.) on the out side edge of the stock bumper you will find 12 10mm bolts and screws. They are located in each fender well, under the bumper and under the grill. Remove all these bolts and screws.



3.) Carefully detach the bumper from each inner fender plastic by gently tugging at the bumper, working your way up and down and alternating from passenger side to driver side.



4.) On vehicles so equipped remove the electrical connection to the bumper on both sides that connect to the Turn singles and or fog lights. Note: 2003-2005 have turn singles, 2006-2009 do not.



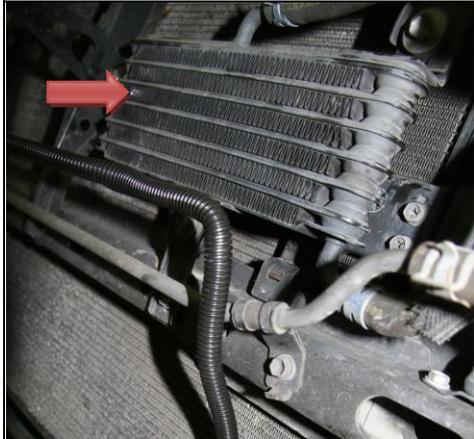
OPTIONAL: On 2003-2005 models have a small plastic piece that attaches to the factory bumper. This can be unclipped from the factory bumper and lined up below the grill. It will require drilling two small 1/8in holes in the factory head light mount and re-using some of the factory 10mm screws. This is optional and not required.



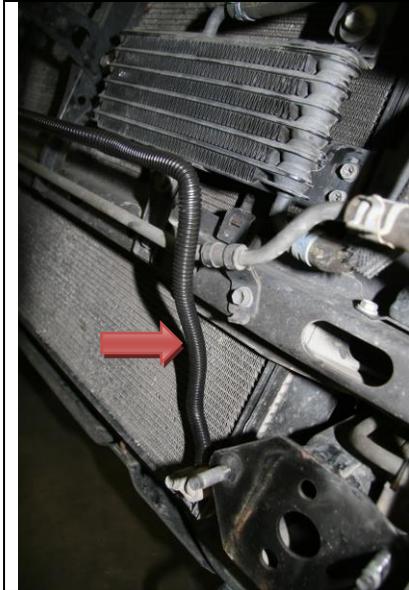
5.) Once the factory bumper is removed you will find a metal bash bar that is held on to two boxed brackets. You will need to use a 14mm deep socket and extension to remove the bash bar. Then use the same socket to remove the brackets on both sides of the frame.



6.) There should be 4 factory studs sticking out from the frame on both sides. The outer three on each side will need to be removed. Use a mini sledge or large hammer to hit them at a 45* angle. If you hit them right they will pop right out. Leave the two inner studs in place to help align the bumper on the 4runner.



7.) Temporarily remove the transmission cooler. Then remove the AC line bracket that holds it to the body. Then re-install the transmission cooler.



8.) Carefully bend the AC line near the bottom where the bumper would make contact. This should be done very carefully and be sure to check clearance again once you mount the bumper. We also provide a protective plastic wire loom for you AC line.



.9.) You will also need to carefully bend the power steering lines out of the way of your bumper and winch. Different models have different locations of these so test fitting the

	bumper and checking for clearance is key.
	10.) You are now ready to install the bumper. Use the inner factory studs that you left in the frame to help align the bumper onto the frame.
	11.) Having someone hold the bumper in place now you can slide the left and right brackets over the frame and over the bumper capturing the bumper to the frame and sandwiching it. Slide the 3/8in bolts from under and behind. Slide the bolt through the frame and the bracket that grabs the frame. Put the washer and nuts on the front side and snug down but do not tighten.
	12.) insert the 12mm bolt into the side of the bracket into the frame. And the 8mm bolt into the side of the frame.
	.13.) Having someone hold the bumper at the desired height. (please note mounting the bumper up against the body may result in rubbing while off road. Give it at least .25in-.50in of space between the bumper and body. Tighten down the bolts starting with the the m12 then the upper 8mm bolt on each side. Then the 3 bolts per side with nuts and washers. (HINT: you can also use a floor jack to help adjust the bumper from side to side)
	14.) Now that your bumper is on and tighten down you can cut the plastic inner fender liner hanging down on both sides. We recommend a sharp box cutter to cut through the material. Be careful on the passenger side to not hit the water bottle.

Professional installation required by a competent mechanic. User accepts all responsibility for proper installation and maintenance of item, Demello Off-Road only warranties said item for manufacturing defects.
Product is for Off-road use only.

Thank you for your business.

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