



## INSTALLATION INSTRUCTIONS

**Item Description**

**Swing out Gate installation and accessories**

**Vehicle**

**2007-2016 Toyota FJ Cruiser**

## DEMELLO-OFFROAD

[www.demello-offroad.com](http://www.demello-offroad.com)

12785 magnolia ave  
Riverside ca 92503 Suite 1

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

### Kit contents

1-Swing out gate	1-carter pin
1-large bearing	1-aluminum cap
1-small bearing	1-large washer
1-seal for bearing	1-castle nut

### Tools recommended for installation

1-large adjustable wrench or channel locks	1-allen wrench 1/8in
1-red grease	1-rubber mallet



Rear swing out shown with optional Jerry can holders on both sides.

**Installation notes:**

**Please be sure to use the Rear 3 piece bumper install instructions for the bumper it-self before attempting to install the rear swing out gate portion.**



1.) Step one un-package your rear swing out gate. It's important to lay everything out before you get started.



2.) Locate the hinge hardware for your swing out gate. You will need to grease the bearings. Please refer to Youtube <https://www.youtube.com/watch?v=JXYvJv-zWlw> for how to pack bearings. There is also a seal NOT SHOWN that goes with the bearing kit.



3.) Also make sure to grease your shaft.



4.) Remove the 2 bolts and 2 nuts that hold on your factory tire mount. Do not discard them you will use them again in step 5.



5.) Re-install the factory bolts and nuts in the door to plug the holes.



6.) Make sure to install the bearings in the order shown. The large bearing on the bottom, then the seal (not shown goes over it then slide the gate over the greased shaft. Then install the smaller bearing shown followed by the large washer. The nut can then be screwed on.



7.) Tighten the nut, once the nut is tighten, continue to tighten it while moving the whole gate up and down and side to side. It is best to have someone help you with this step.



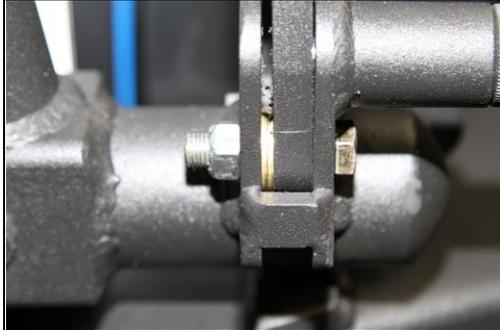
8.) Once you are sure the gate is free from any slack or movement. Insert the carter pin and bend over the edges.



9.) There is an aluminum cap that caps off the exposed nut and greased bearings. We recommend a rubber mallet to gently tap the cover into place. So you don't scar it. There is also a set screw that holds the cap in place. Be sure to tighten it without over tightening it.



10.) Cap installed. In this picture you will notice there is a zert fitting for adding grease to the bearing hinge later on. Do not use this as your only way to grease the bumper when you are installing it. Make sure you follow step 2.



11.) The latch system is pretty simple but if you have any questions about it please refer to the following pictures for function and use.



Notes: This is the locking pin that should automatically lock the gate shut and keep it from opening when in the lock position.



Notes: when closing the gate the latch should be in the down position or pulled back position.



Notes: when closed it should be in the fully vertical locked position. Notice the T-handle is inserted all the way into the latch.



Notes: Full lock position, be sure when gate swings open that you DO NOT let it fly open with out holding on to it. The lock out position is designed to hold the gate in the 90° position so that you can open your rear door. IT is NOT designed to stop the gate fully loaded from swinging freely. It is designed to hold it in place. To release the gate simply pull up on the T handle. Never drive with gate open!

## Optional Jerry Can holders

	<p>1.) Jerry cans use 4 grade 8 bolts to mount them to the gate. The top two bolts use washers on the back and nylock nuts to secure the cans to the gate.</p>
	<p>2.) The bottom two bolts are threaded into the gate, so use the two washers on the inside of the can holder. Leave the cans loose so that you can adjust them side to side.</p>
	<p>3.) The can hold downs use a 12mm 1.5 threaded studs that will except your factory lug nuts. We recommend purchasing acorn locking style lug nuts for the hold downs.</p>
	<p>4.) This is how the can and mount should look when properly installed.</p>

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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