



Rusty's Off-Road Products
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Rusty's 2012-2018 JK Wrangler Evaporator Skid Plate

RA-JS812-JK

INSTALLATION INSTRUCTIONS

Last Revised: 1/5/2018

Introduction:

Rusty's recommends that this installation be performed by a certified automotive technician or a person with professional mechanical knowledge. Installing this kit without this expertise may jeopardize the handling and safety of the vehicle.

Read instructions several times before starting. Be sure you have all the needed parts and know where they install. Read each step completely as you go. Exhaust modifications may be necessary. Prior to drilling or cutting, check behind the surface being worked on for any wires, lines, or hoses that could be damaged. After any drilling or cutting, remove burrs and grind smooth any surfaces. An inclinometer or similar tool may be needed to measure driveshaft angles before and after the installation.

Warning:

- It is the owners' responsibility to inspect all Rusty's products for proper torque specs to prevent loosening of components.
- Seat belts and shoulder harnesses should be worn at all times.
- Re-check all bolts and nuts after the first 100 miles and after any off-road usage during the first 300 miles.
- Although all of our products are made from the highest quality materials possible, they are not a substitute for Safe and Careful driving. In other words, have good safe on-road / off-road sense. Know the terrain, the speed limitations, and any obstacles that may lie ahead. Please remember to preserve our right to enjoy public land through the proper use of off-road vehicles.

Before Starting Installation:

1. Carefully Read all warnings and instructions completely before beginning.
2. Verify all parts have been received in this kit by checking the parts list on page#2 of this document.
3. Only install this kit on the vehicle for which it is specified.
4. Park the vehicle on a clean, dry, flat, level surface and block the tires so the vehicle cannot roll in either direction.
5. Be certain the vehicle is safely secured on jack stands or a vehicle lift prior to working around or under a vehicle. Never rely on a jack alone to support a vehicle's weight; use appropriately rated stands to support the vehicle's frame and any other heavy components.



For Questions or Suggestions, contact our Tech Department (256-442-0607)

Parts List:

Note: Please be sure that you have all the provided parts listed below before continuing with the installation.

<u>Part #</u>	<u>DESCRIPTION:</u>	<u>Quantity</u>
RA-JS812-JK	Rusty's JK Wrangler Evaporator Skid Plate	1
05724612	5/16" SAE Flat Washer	1
67488924	5/16" - 18 Grade 8 Hex Lock Nut	1

Installation Instructions

Note: Save all factory components and hardware for reuse, unless noted. Do not start the engine while the evaporative canister is disconnected; doing so may cause a check engine light.

1. Remove the stock evaporator skid plate by completing the following steps.
 - A.) Remove the bolt that attaches the evaporator canister to the stock skid plate with a 13mm socket and wrench.
 - B.) Pull the evaporator canister towards the rear of the vehicle in order to release it from the stock skid plate.
 - C.) Remove the hard lines from the back of the evaporator canister by unfastening the clip that secures the hard line to the evaporator canister. (**Note:** In order to remove the clip you must spread the clip and press down. We have found that using two small flat head screw drivers to spread the clip then pressing downward is the easiest way to remove the clips.) Take precautions to avoid damaging the clips.
 - D.) Disconnect the wire harness connector from the evaporator canister.
 - E.) Remove the soft line by either disconnecting at the canister or at the connection near the frame rail.
 - F.) Remove the three bolts holding the stock skid into place with a 16mm socket. Remove the skid plate and evaporator canister. Save all hardware for re-use.

2. Attach the evaporator canister to the supplied Evaporator Skid Plate by completing the following steps.
 - A.) If you left the soft hose connected to the evaporator canister, insert it through the smaller hole on the new evaporator skid plate.
 - B.) Line up the two holes on the front of the evaporator skid plate with the two mounting tabs on the evaporator canister. Insert the two tabs into the holes and push forward until the hole in the evaporator aligns with the threaded stud on the evaporator skid plate. Secure using the supplied 5/16" SAE Flat Washer and 5/16" - 18 Grade 8 Hex Lock Nut.



Installation Instructions (Continued)

3. Install the evaporator canister and skid assembly by completing the following steps.

A.) Attach the evaporator canister and skid assembly with the two front factory bolts as shown in the image below. Only start the bolts at this time in order to allow the skid to hang in position temporarily.



B.) Reattach all of the connectors disconnected in step 2 as shown in the image below. **(Note:** If any of the clips were damaged during removal, replacements can be obtained using the listed part numbers below. These should be available locally at most auto parts stores.)

5/8" Retainer Clip (Napa Part# 730-7381)

3/8" Retainer Clip (Napa Part# 730-6676)



Installation Instructions (Continued)

- C.) Lightly pull each connection to make sure everything is connected securely.
- D.) Install the factory bolt removed from the rear mounting point at this time using a 16mm socket as shown below.



- E.) Apply thread lock and tighten each of the three factory bolts to secure the skid to the frame. (**Note:** Tighten all mounting hardware to factory specifications.)

4. Installation is now complete.

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