

INSTALLATION INSTRUCTIONS
SK52I12-S
2012 CHEVY IMPALA
STEEL SKID PLATE

Pro-gard[™]
PRODUCTS LLC.

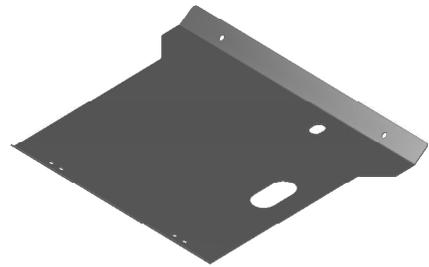
Read all instructions before beginning installation!

Check to ensure all parts from the hardware list are included before beginning installation.

Hardware list:

3SK52I12-S - Steel Skid Plate
3SK111-S - Steel Passenger Side Bracket
3SK112-S - Steel Driver Side Bracket
3SK113-S - Steel Plates (2)
3E053 - Steel Plate with 1/2 - 13 weld nut (2)

3X120 - 3/8-16 Nylon locknut (6)
3X121 - 3/8" Flat washer (12)
3X119 - 3/8 - 16 x 1 1/2" bolt (4)
3X164 - 3/8 - 16 x 5 1/2" long bolt (2)
3X163 - 1/2 - 13 x 1 1/2" long bolt (2)
3X508 - 1/2" Flat washer (4)



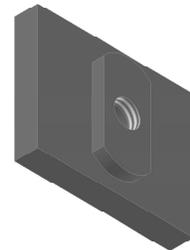
3SK111-S
STEEL
PASSENGER
SIDE BRACKET



3SK112-S
STEEL
DRIVER
SIDE BRACKET



3SK113-S
STEEL
PLATE



3E053
STEEL
PLATE WITH
WELD NUT

I. You will need the following tools to complete this installation:

Drill and 9/16" diameter drill bit for 1/2" fasteners
9/16" wrench and socket
3/4" wrench and socket

II. Installing the skid plate

Do not tighten the bolts until installation is completed.

1. Using the 5 1/2" bolts provided, clamp the 3SK112-S Driver Side Bracket and the 3SK113-S onto each side of the space in the aluminum frame, located to the rear of the engine. See Image 1. The 3SK112-S bracket should be attached on the inner part of the aluminum frame. The 3SK113-S plate should be attached on the aluminum frame closest to the outside of the vehicle. Use two 3/8" washers and one 3/8" locknut for each 5 1/2" bolt to loosely secure.



IMAGE 1

2. Orient the 3SK112-S bracket towards the inside of the car so the holes are facing down as shown in Image 2. These holes are used to mount the skid plate. Attach and orient the 3SK113-S plate on the opposite side of the aluminum frame, near the outside of the car as shown in Image 3.



IMAGE 2



IMAGE 3

3. Attach the 3SK111-S passenger side bracket and the other 3SK113-S plate using the same procedure as for the driver side.
4. Make sure the holes in the 3SK111-S and 3SK112-S brackets are properly oriented and the holes are facing down.
5. Lay the skid plate under the car. Lift the rear of the skid plate up to the corresponding brackets and align the holes.
6. Attach the skid plate using two $\frac{3}{8}$ " washers and one $\frac{3}{8}$ " nylon locknut per $\frac{3}{8}$ " bolt, for each side of the skid plate. See Image 4.

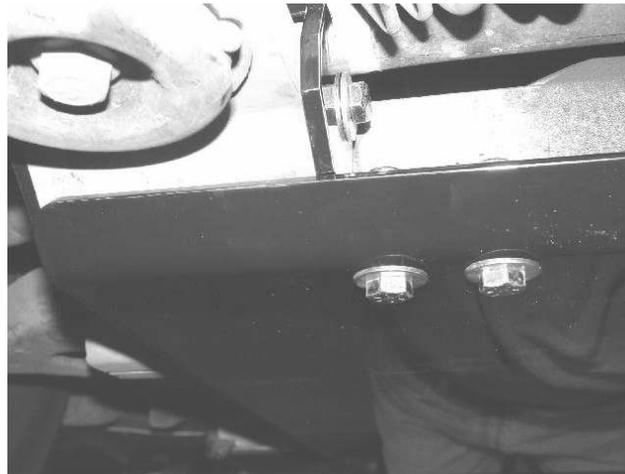


IMAGE 4

7. Raise the front of the skid plate up to the sub-frame of the vehicle. Using the front skid plate slots as a template, mark the 2 drill locations at the center of the slots. Lower the skid plate and drill clearance holes for $\frac{1}{2}$ " bolts through the aluminum sub-frame ($\frac{9}{16}$ " DIA. HOLES).

8. Insert the 3E053 Steel plates with weld nuts into each end of the frame rail. (See Image 5 and 6) Slide the 3E053 steel plates down the inside of the frame rail until the hole in the plate lines up with the hole drilled in the frame rail. It may be necessary to use a hook or magnet to slide the 3E053 plate back if it is inserted too far into the frame rail.

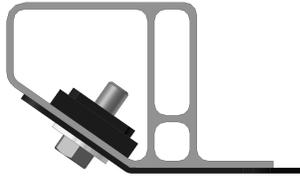


IMAGE 5
(DRIVER SIDE OF FRAME RAIL)

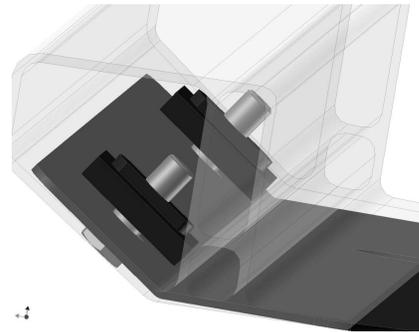


IMAGE 6

9. After both 3E053 plates are inserted in the frame rail, swing the skid plate up to the sub-frame. From below, insert a 1/2" bolt with steel washer through the skid plate and sub-frame at each side and fasten into the 3E053 steel plate. See Images 5 and 6. (It may be necessary to apply pressure to the back of the #e053 steel plate while threading the 1/2" bolt into it)

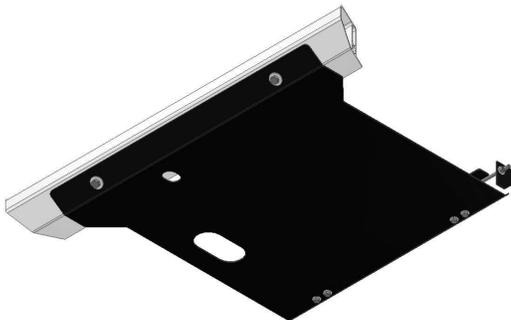


IMAGE 7
(VIEW FROM BOTTOM)

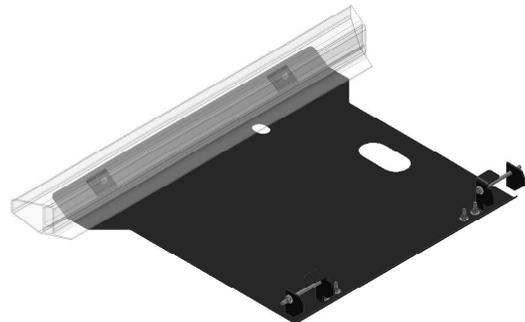


IMAGE 8
(VIEW FROM TOP)

- III. When all hardware is attached and the skid plate is installed correctly, go back and tighten all bolts.

IF THERE ARE ANY QUESTIONS OR CONCERNS PLEASE CONTACT:

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