



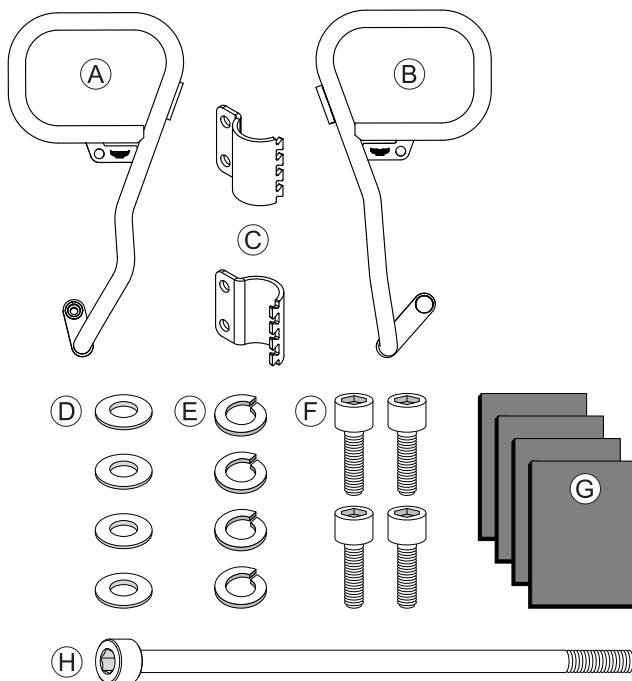
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Thank you for purchasing a National Cycle product. Read these instructions carefully and thoroughly before beginning work. Dealers, if installing this product for a customer, please give them this manual upon completion. It contains information needed to properly maintain and use this product.

Description:	Side Guards	Model:	2021-Current Honda® CMX1100 Rebel
Part Number:	P4000	Installation Time:	60-90 min. Difficulty Level: Professional

### P4000 PARTS LIST

ITEM QUANTITY	PART NO.	DESCRIPTION	
A	90-970570-000	Side Guard, Left, Black	1
B	90-970571-000	Side Guard, Right, Black	1
<b>BAG#1389</b>			
C	37-370257-000	Frame Clamp, Black	2
<b>BAG#1374</b>			
D	49-490457-000	Flat Washer, M8, 1x14x1.0, 18-8, Stainless	4
E	49-491503-000	Split Washer, M8, 8.5x14.8x2, Stainless	4
F	51-515722-000	Hex Socket Cap Screw, M8x20, Nylock	4
G	75-762402-000	Clamp Spacer, 2.19x1.75x.047, Neoprene	4
H	51-515851-000	Socket Head Bolt, M10x1.5, 220mm	1



### TOOLS REQUIRED FOR ASSEMBLY

Motorcycle Lift or Wheel Chocks	8mm Regular Socket
Mechanical Scissor Lift	14mm Regular Socket
5mm Allen Wrench	Ratchet or Socket Wrench
6mm Allen Wrench	Short Ratchet Extension
8mm Allen Socket	14mm Box End Wrench



**ATTENTION:** Special notes and cautionary measures which can prevent damage to the accessory or vehicle.



**NOTE:** Tips for facilitation of operation, control and adjustment, as well as maintenance work.

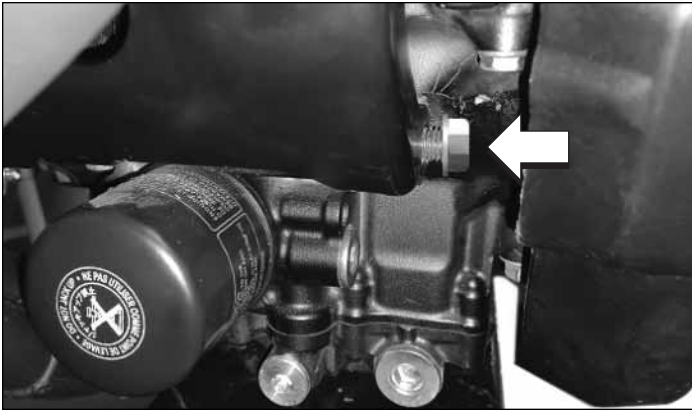


**ATTENTION:** To complete this installation, you will need a small mechanical scissor lift to support the motor when the lower motor mount bolt is removed. In addition, you should have a motorcycle shop lift or, at a bare minimum, pro-quality wheel chocks. If you do not have these, your P4000 Side Guards should be installed by a professional motorcycle mechanic.

Removing the lower motor mount bolt without the requisite equipment can result in damage to the motorcycle and injury to yourself.

### PREPARATION

Begin by securing the motorcycle upright. Whether using a motorcycle lift or wheel chocks, secure the bike with sturdy tie-down straps.



Step 01

## INSTALLATION

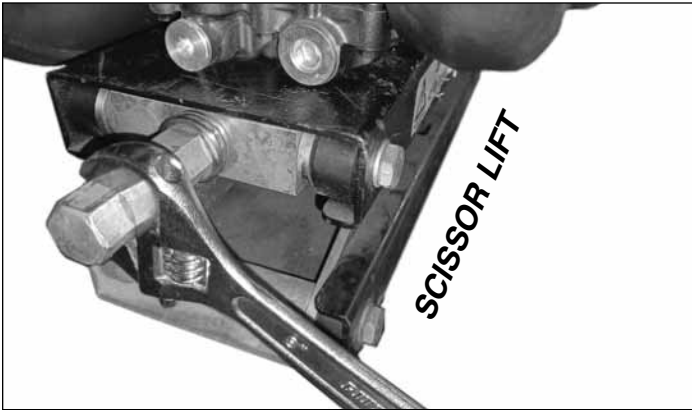
### Step 01

Begin on the left side of the motorcycle. Loosen – but do not remove – the nut on the lower motor mount with a 14mm Box Wrench.

### Step 02

Move your scissor lift into place beneath the engine case. The lift should contact the engine case only and not any other components on the motorcycle.

Elevate the lift until there is enough pressure to support the engine case.



Step 02

### Step 03

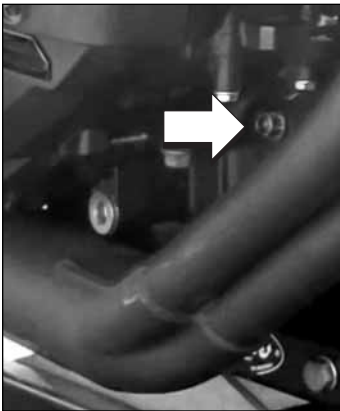
Remove the loosened nut on the lower motor mount bolt and push the motor mount bolt towards the right side of the motorcycle. You may need to make slight adjustments to the scissor lift to take pressure off the bolt.

### Step 04

Move to the right side of the motorcycle. Use a Ratchet Extension and 14mm Socket to remove the lower motor mount bolt and pull it completely out.



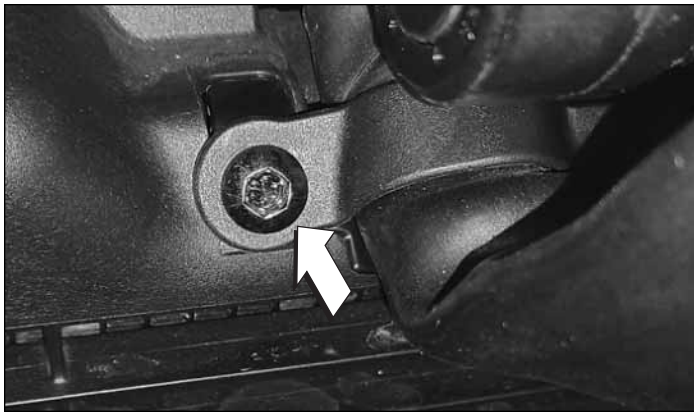
A spacer will fall loose when the bolt is removed. The spacer fits between the motor mount and the engine block, and will need to be reinserted during the final installation.



Step 03



Step 04



Step 05

**INSTALLATION: CONT'D**

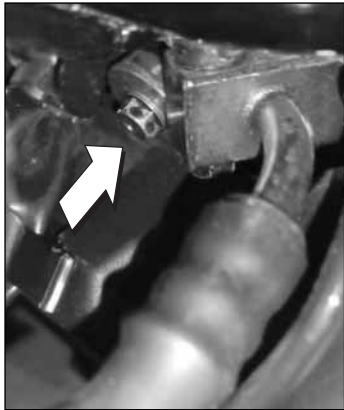
**Step 05**

Use a 5mm Allen Wrench to loosen and remove the plastic clamp that secures the wiring harness at the top of the radiator and move it out of the way.

**Step 06**

There are three bolts that hold the radiator to the motorcycle; one at the top middle and two at the bottom. Removing these bolts will allow the radiator to hang free but not fall off.

Use an 8mm Socket and Ratchet Wrench to loosen and remove all three of these bolts. The radiator can now be moved a little away from the motorcycle's frame tubes.



Step 06



**Step 07**

Remove the adhesive backing from two of the Neoprene Clamp Spacers (G) and install them on the inside curvature of the Right Side Guard (B) clamp half and on one of the Frame Clamps (C).

**Step 08**

Move the radiator out of the way and install the Right Side Guard (B) over the frame's right downtube.

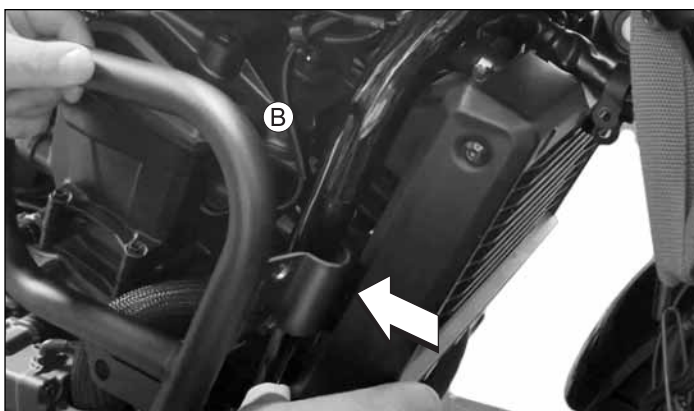
**Step 09**

Now swivel the Right Side Guard toward the front wheel to allow mating of the interlocking teeth of the Frame Clamp (C).

When the Right Side Guard and Frame Clamp are joined, swivel the assembly back over the right side of the bike.



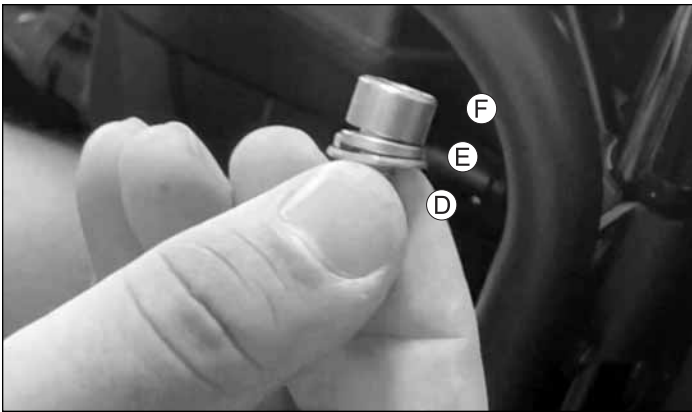
Step 07



Step 08



Step 09



**Step 10**



**Step 11**



**Step 12**



**Step 13**

## INSTALLATION: CONT'D

### Step 10

Secure the Right Side Guard and Frame Clamp together with two Hex Socket Cap Screws (F), two Split Washers (E) and two Flat Washers (D) into the threaded holes.

### Step 11

Secure them just finger-tight for now.

### Step 12

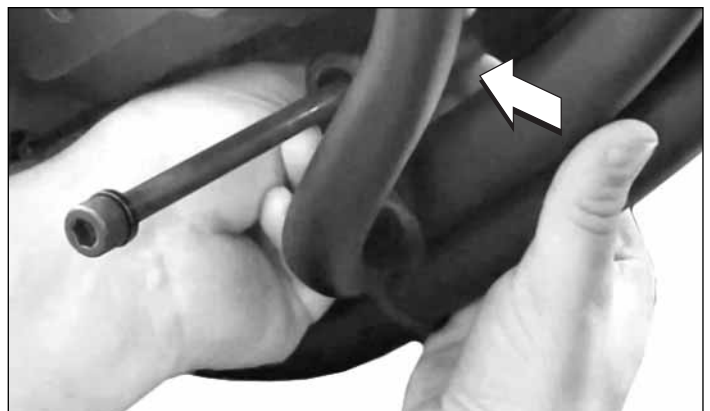
Next, install the new motor mount Socket Head Bolt (H). Insert the Bolt through the frame's motor mount tab. You may need to readjust the scissor lift to help align the Bolt with the motor mount and engine case channel.

### Step 13

Retrieve the spacer that came loose in Step 04.

### Step 14

Reinstall spacer between the frame's motor mount and the engine case. It's a tight squeeze to get it into position, so be careful.



**Step 14**



**Step 15**



**Step 16**



**Step 17**



**Step 18**

## INSTALLATION: CONT'D

### Step 15

Now push the new Socket Head Bolt (**H**) all the way through the Right Side Guard, the frame's motor mount, the spacer and the engine case and out to the left side of the bike.

Move to the left side of the bike to install the Left Side Guard (**A**). Remove the adhesive backing from the last two Neoprene Clamp Spacers (**G**) and install them on the inside curvature of the Left Side Guard (**A**) clamp half and the last Frame Clamp (**C**) as you did in Step 07.

### Step 16

Note that the Left Side Guard has a threaded boss at the bottom. This replaces the lower motor mount nut that was removed in Step 03.

Repeat the installation procedure from Steps 08-11.

### Step 17

Move back to the right side of the bike. Make sure that the Socket Head Bolt (**H**) and the bottom threaded boss of the Left Side Guard (**A**) are lined up properly, then thread the Socket Head Bolt into the Left Side Guard and tighten with a Ratchet Wrench, Extension and an 8mm Allen Socket.

### Step 18

Now tighten all four Hex Socket Cap Screws (**F**) with their Split Washers (**E**) and Flat Washers (**D**) with a 6mm Allen Wrench.



**Step 19**



**Step 20**

## INSTALLATION: CONT'D

### Step 19

To put the radiator back into place, align the two bottom mounts with the frame and reinsert the mounting bolts. Tighten with a Ratchet Wrench, Ratchet Extension and an 8mm Socket.

### Step 20

Reinstall the upper radiator mounting bolt using the same tools. Reinstall the upper plastic cable clamp and its mounting bolt, and tighten with a 5mm Allen Wrench.

**Your new P4000 Side Guards are now fully installed. Before hitting the streets, check all mounting bolts for tightness as well as any OEM screws that were removed and reinstalled.**

**Enjoy Your Ride!**

## **WARNING**

Never operate your vehicle with loose accessory mounting hardware. Check the hardware for tightness regularly.

Motorcycles are built with enough frame rigidity to withstand the moderate loads imposed on them by the foreseeable addition of an accessory(ies). If an accessory(ies) adversely affects your vehicle's stability, immediately remove the accessory(ies). Do not operate a vehicle that exhibits unsafe handling traits.

Have experienced service personnel correct any problem before driving with the accessory(ies) installed. For further questions concerning handling problems associated with an accessory(ies), contact your dealer, motorcycle manufacturer, or accessory manufacturer.

Load capacity: 10 lbs. (4.5kg). Do not exceed limits.

Do not block taillight or brake light with your gear or luggage.

