



35 Pond Park Road, Hingham, MA 02043  
support@genconnex.net

Genconnex® **Honda EU7000is**  
EFI Propane & Natural Gas kit  
Assembly instructions  
Version 5.02

Online PDF

[https://genconnexdirect.net/Litature/Installation/EU7000is\\_Kit\\_r5.02\\_EC.pdf](https://genconnexdirect.net/Litature/Installation/EU7000is_Kit_r5.02_EC.pdf)




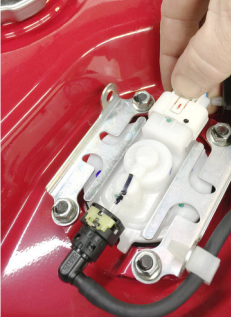



# Step 1

## Disassembly



#2 Phillips head screw driver  
#10mm box end wrench  
flat head screw driver  
10mm socket  
spark plug socket  
needle nose pliers or channel locks  
socket extension  
socket U joint (optional)

Step 1a - Remove fuel pump cover & left side door Disconnect fuel pump









1a-1 Remove #10mm side bolt holding corner cover on

1a-2 Pull back rubber gasket and remove 2 #10mm nuts then pull up and remove corner cover.

1a-3 Lift off door to gain access to air cleaner side of generator (left side when looking at front)

1a-4/5/6/7 Disconnect electrical connector for fuel pump by pressing tab. Then disconnect fuel line fitting from fuel pump by pushing down on yellow tab then pushing in fuel hose quick fitting, then pull out fitting (pushing in first makes release easier). Catch small amount of any remaining gasoline with small rag and use supplied caps to seal both ends. Push round end in first.

Step 1b - Remove fuel tank (USE CAUTION AS IT STILL MAY CONTAIN SOME FUEL)



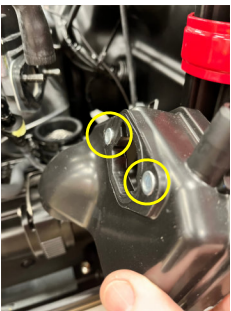
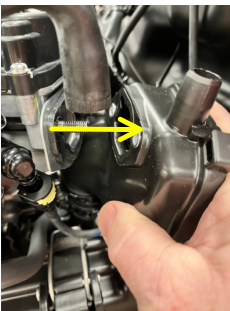



1b-1 Disconnect gas tank vent tube from underneath side of gas tank. No fuel should spill doing this. NOTE: pry down from top vs pulling so as not to rip tube.

1b-2/3 Gently twist tank vent tube and insert into forward hole on backside of door latch for safe keeping. This will only be needed if you switch back to gasoline.

1b-4/5 Locate and remove four #10mm corner bolts with washers then disconnect gas line from white clip on fuel pump bracket.

1b-6 Lift back edge of tank - pull back, up and away from back of unit to clear front frame bracket. TIP lift up pull starter side of lid above black handle as you are pulling back.

Step 1c - Disconnect gasoline fuel injector and remove upper airbox



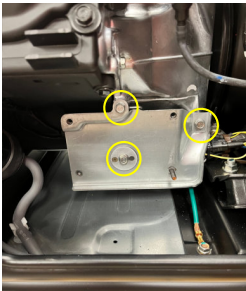

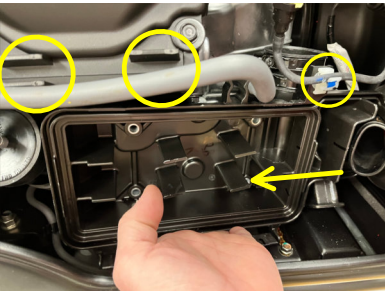
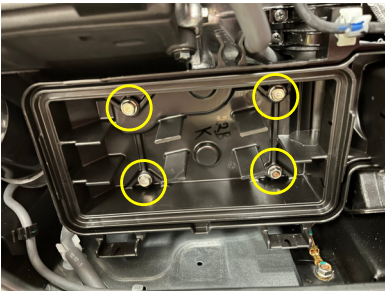
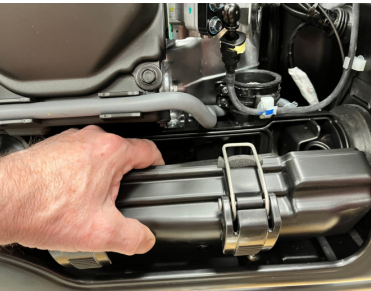
1c-1 Unplug gasoline fuel injector wire harness connector. This will prevent the gasoline fuel injector from getting damaged by "dry firing" while using alternate fuels. Tuck connector in behind throttle body to keep it from bouncing around.

1c-2 Remove air box cover by prying up on 4 corner clips. TIP: Remove lower air filter cover just below air box for better access to bottom two clips. The outer cover and clips are not used anymore.

1c-3 Remove the two nuts holding on inner air box and discard. New standoff nut will be put in their place.

1c-4/5 Remove inner upper airbox by rotating plastic away from studs then remove from unit. NOTE if the steel standoffs stay on the bolts you will need to remove them and put them back into the plastic housing as shown

Step 1d - Remove air cleaner box outer and inner half for re-installation later



1d-1 Unlatch the air cleaner cover in two places then pull out with air cleaner filter.

1d-2 Remove 4 fasteners (3 bolts and one nut) holding the air cleaner back half onto engine and save for later.

1d-3 Remove the gray tube from its two holding tabs, then remove the fuel line from its white plastic clip, then pull the air cleaner back half directly towards you to free it from the one bottom right threaded stud (arrow). There will be some resistance because the far right side of the housing is still inserted into the front bulkhead.

1d-4 Once you get the back half of the air cleaner housing free of the threaded stud, carefully pull the left side out of the cabinet first. Note the fuel line tends to catch on the rubber coupler circled in the picture.

1d-5 Remove the three bolts holding the air cleaner support bracket in place and remove the bracket. Note it will help to keep the bolts in the holes they came from while the bracket is off.

**WARNING:**

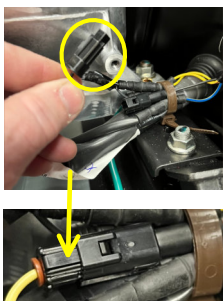
Propane is a combustible fuel. It should be kept outdoors at all times, If you suspect a leak in you generator or any hoses / connections, you should immediately turn off the fuel at the tank then test connections with soapy water. Do not attempt to use any components including hoses that have leaks. Replace them immediately.



# Step 2 Reassembly



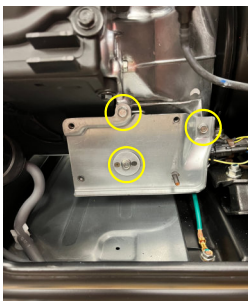
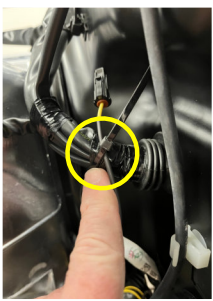
## Step 2a - Install the provided O2 sensor coupling/extender cable and install screen into air filter



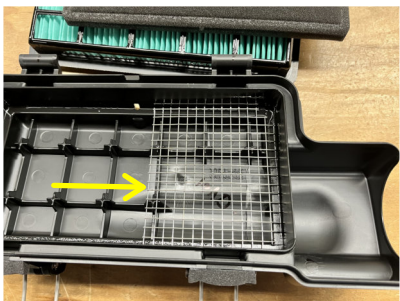
2a-1/2 Locate the black wire with single connector and disconnect it. Press on small tab (arrow) to disconnect.



2a-3/4/5 Install the supplied O2 sensor splice/extender yellow wire harness as shown. Note it's designed to reconnect the original wire with a loop and have an additional connector for connecting to later added electronic fuel control module. Add a zip tie as shown to fasten it down low and one above to keep it from falling down.

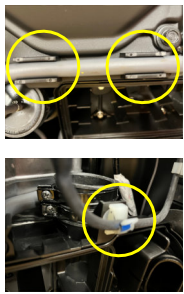
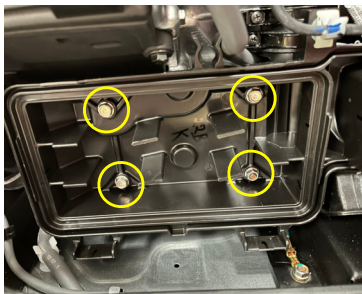
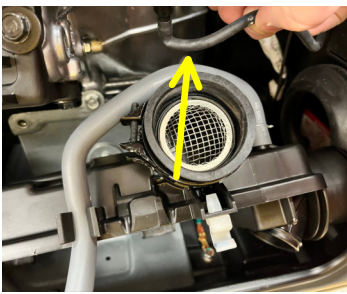
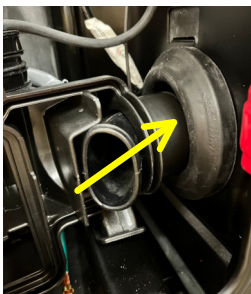
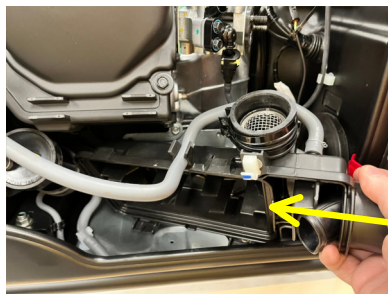


2a-6 Re-install the support bracket and air cleaner back and front half per how they were removed earlier.



2a-7 Install the Genconnex wire mesh between the plastic air cleaner lid and foam air filter at the front of the filter as shown. This mesh screen is designed to prevent the front edge of the foam element from slipping down into the lid and restrict airflow which would cause the generator to run too rich.

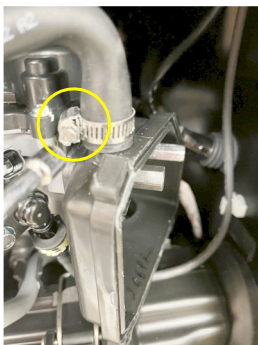
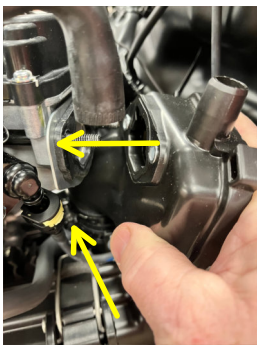
## Step 2b - Re-Install the air filter back housing and cover



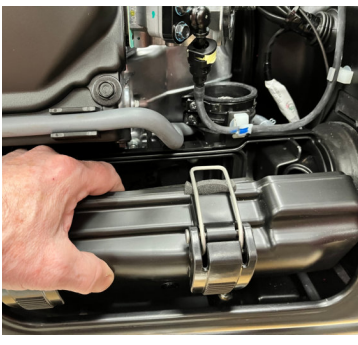
2b-1/2/3/4/5 THIS WILL BE THE HARDEST STEP OF THE PROJECT-TAKE YOUR TIME. Re-install the back housing of the air box by first inserting the left end (arrow pic 1). Move the fuel line out of the way (arrow pic 3) and push the right end into the front bulkhead intake hole (arrow pic 2) while lining up the threaded stud with the lower right hand hole (arrow pic 4). NOTE: This back housing must be straight up and down and pushed fully forward (towards battery) in order to match the stud hole up with the threaded stud (arrow pic 4). Once the back housing slips onto the stud and in place re-install 3 bolts and the one nut previously removed (pic 5).

2b-6/7 Re-install the gray vent tube in holder and fuel line in white clip.

## Step 2c - Install new airbox cover with integral fuel injector and replace spark plug



2c-4 Install the aluminum airbox cover as shown with the supplied two #10mm bolts.



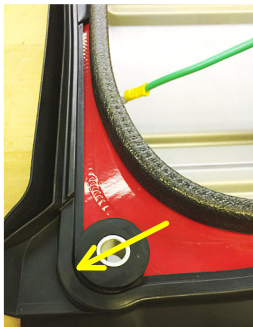
2c-5 Replace the air cleaner cover with the filters inside and latch shut.



2c-6 YOU MUST Change the spark plug to one supplied (NGK #5648). It comes pre-gapped 0.028".

## Step 2d- Install new tank lid with EFI gas module assembly

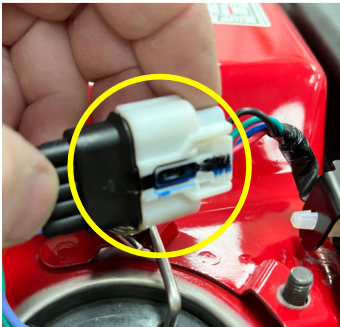
DON'T MISS THIS STEP



2d-1 Install gasket from old tank onto new tank lid. Note final fit of gasket should be neat and tight over lip of tank all around.



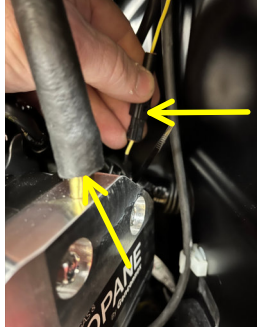
2d-2 Install the new tank lid from the rear. Push into place by pushing it forward to line up all 4 #10mm lid screws then install all 4 screws & washers. TIP: Install with pull starter side of top above the black top hand rail until almost fully forward. then drop it down to level.



2d-3 Connect Honda fuel pump harness to new fuel solenoid connector under top to generator. Push together until it they click into place.



2d-4 Install silver cover over vent section and fasten side bolt and two nuts under gasket. NOTE fuel selection switch location.



2d-5 (1) Connect the single connector yellow O2 wire from the new tank lid into the previously installed O2 splice/extender wire from step 1e-3/4/5. Then (2) push the fuel line from the cover unit onto the empty threaded brass injector tube. the threads are for a legacy product. No orifice should be in this brass tube.

## Step 2e - Install vent tube



2e-1/2 Route the long clear vent tube (attached to the demand regulator brass fitting under the new top) by routing it behind the latch and lower small 1/4" gray tube. Then push the reduced section through the slot in the floor alongside the existing 3/8" gray tube. The new vent tube should stick out about 3/4" to 1" below the bottom of the generator. MAKE SURE to not crush these tubes when the generator is in use.



## Step 2f - Install labels, and read safety information to finish



2f-1/2/3 Re-attach door and attach "Genconnex" label on rear handle, and "Propane & Natural Gas" labels one each side door as shown.



2f-4 Place new emissions label over existing label at top of engine (inside door).