

## Replacing the intake air filter and cabin (air conditioning) filters: Lexus RX400h

Tools needed: None

Parts used for this procedure: NAPA air filter, FIL 9185: \$17.49 and cabin filter, FIL 4883: \$20.99

1.0. Pop the hood by pulling the lever that is under the dash.

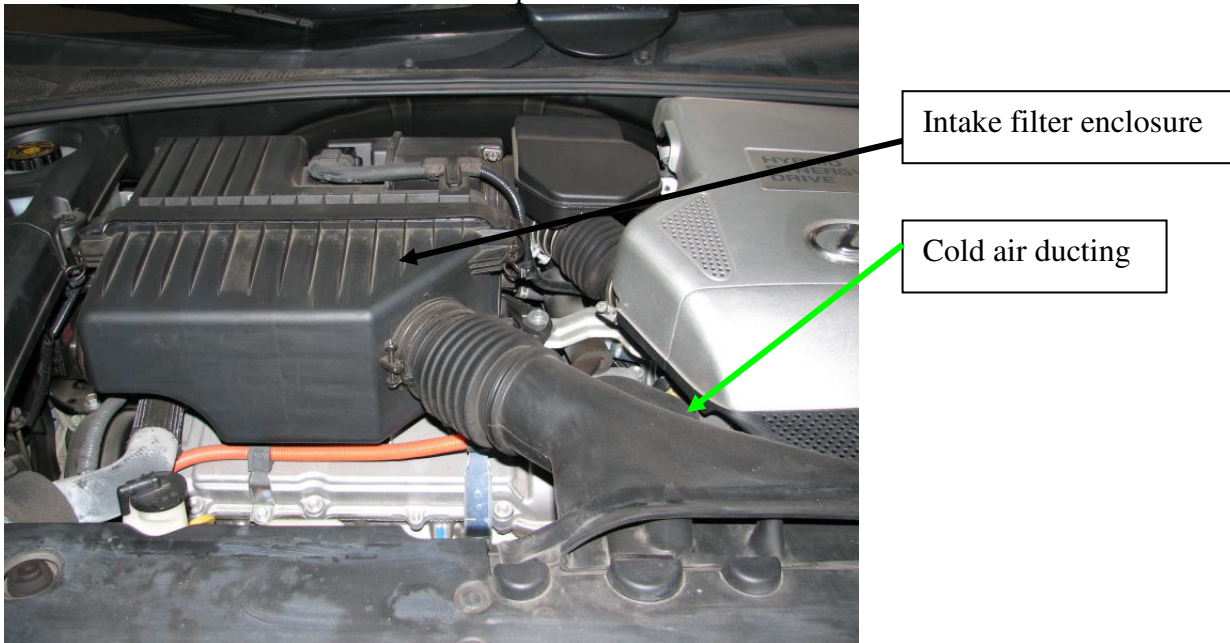
2.0. Pull the safety catch lever that is positioned approximately where shown in figure 1.



**Figure 1: Safety latch position**

3.0. Once you open the hood, notice the cold air intake duct that leads to the intake filter enclosure. This ducting allows outside air to be drawn in directly to the filter. Typically, only high-end sports cars have this feature. See figure 2.

## Lexus RX400h Filter installation procedure



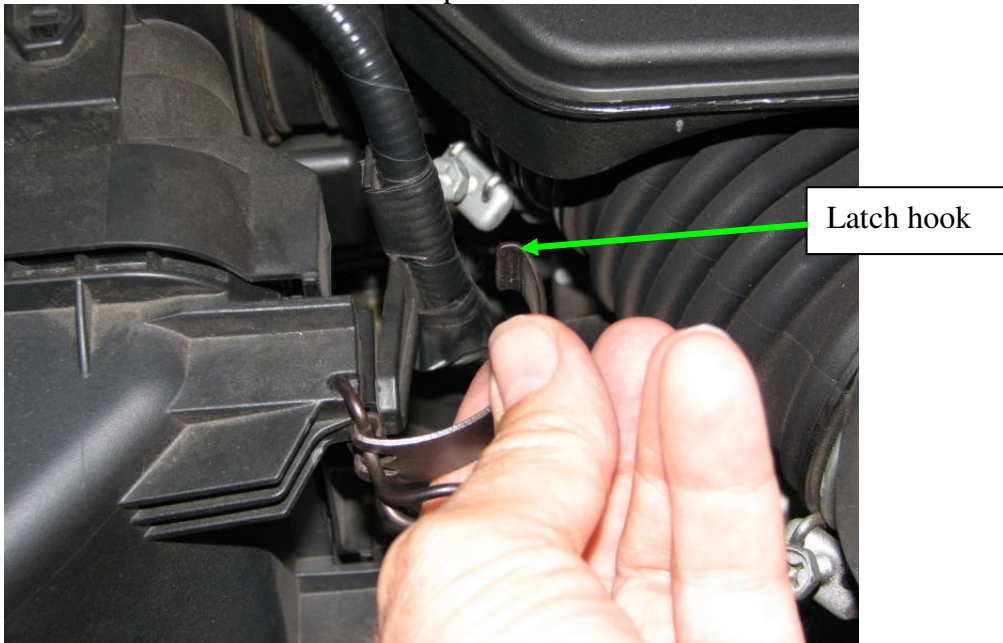
**Figure 2: Intake filter enclosure and cold air ducting**

4.0. Unlatch the front half of the filter enclosure by pulling on the four latches (Pull away from the enclosure). Now pull the latch hooks away from the rear half of the enclosure. See figures 3 and 4.



**Figure 3: Front-to-rear latch**

## Lexus RX400h Filter installation procedure



**Figure 4: Pulling back latch hook**

5.0. Now pull away the front half of the filter enclosure, just enough so you can remove the intake air filter. See figure 5.



**Figure 5: Removing old air filter**

6.0. Take a look at the filter. On the top side of the rear of the filter, there will be wording such as that in figure 6.



## Lexus RX400h Filter installation procedure



**Figure 6: Rear of filter**

7.0. If you buy a NAPA replacement filter, there will be no similar markings to indicate the upper rear of the filter. Fortunately, the NAPA filter has similar geometric features that will allow you to position it correctly before installing it into the enclosure. See figures 7 and 8.



OEM filter

NAPA filter

**Figure 7: Comparison of NAPA (FIL9185: \$17.49) filter to OEM Lexus filter**

## Lexus RX400h Filter installation procedure



**Figure 8: NAPA filter box**

8.0. Install the new filter in the same position as was the old one. See figure 9.



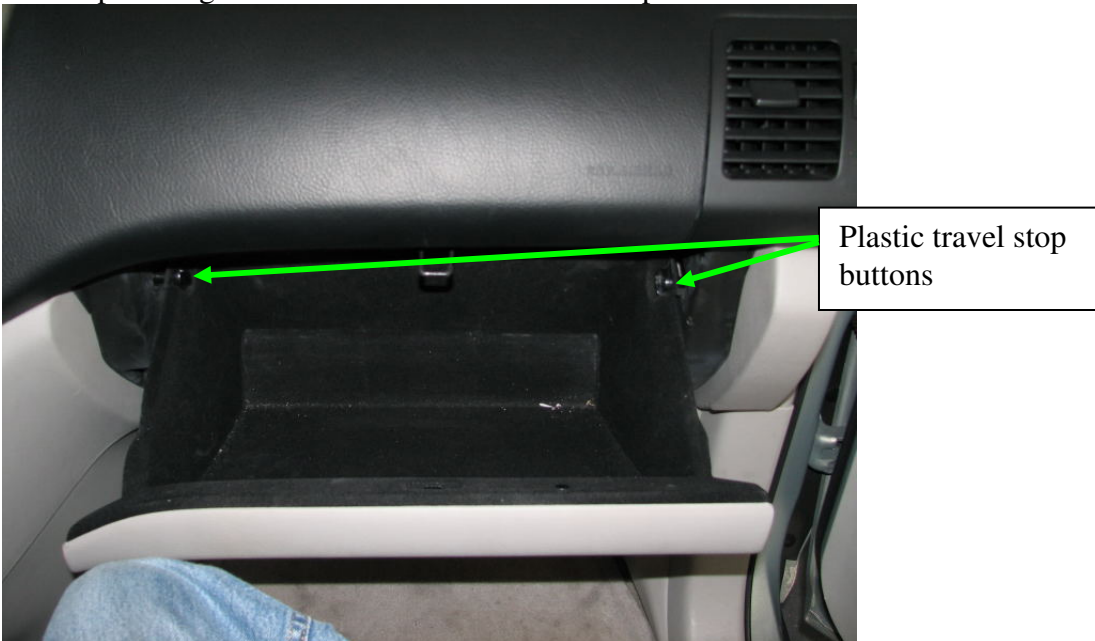
**Figure 9: New filter installation**

9.0. Reassemble the filter enclosure front half, clamp all four latches and you're good for another 10,000 – 15,000 miles!

10.0. Ah, but did you really think you were done? Of course you're not; let's replace that filthy cabin filter.....

## Replacing the cabin (air conditioning) filter

11.0. Open the glove box door and note the black plastic retainer buttons on each side. See figure 10.



**Figure 10:**

## Lexus RX400h Filter installation procedure

12.0. Rotate each button until you can pull it toward the center of the glovebox. See figures 11 and 12.



**Figure 11: Pulling left side button inward**

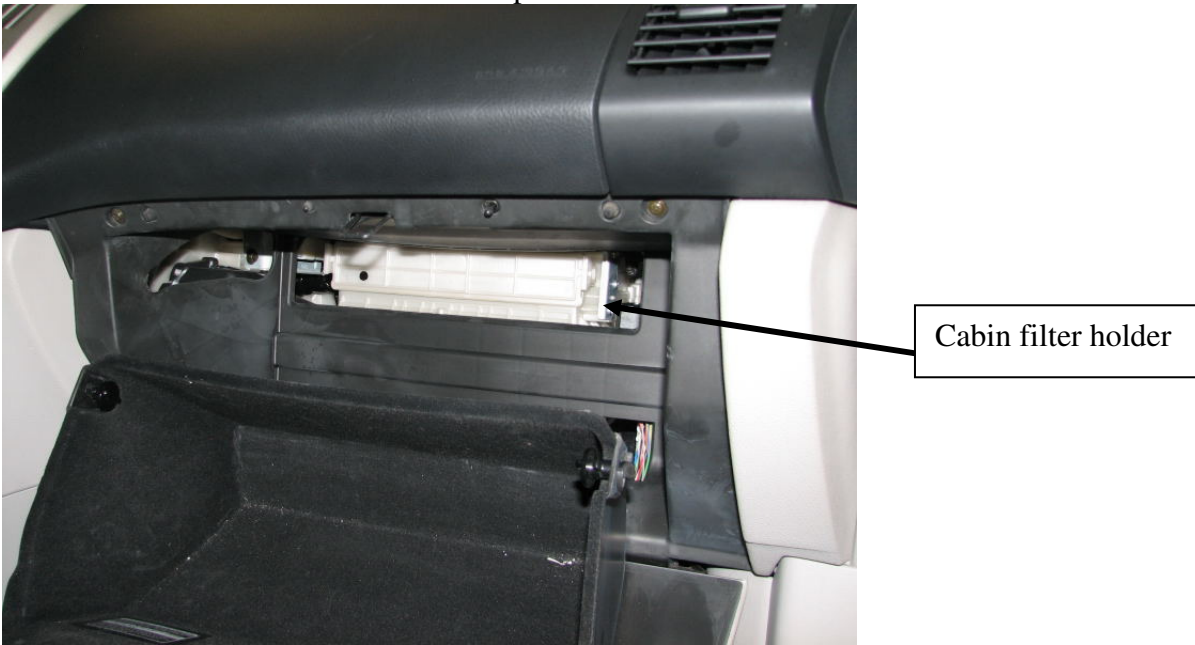


**Figure 12 : Right side button**

13.0. Once each button is pulled inward enough to clear the outer support structure, the glove box door can be dropped down, revealing the cabin filter holder. See figure 13.



## Lexus RX400h Filter installation procedure



**Figure 13: That elusive cabin filter**

14.0. Use two hands to pull out the filter and its holder. See figure 14.

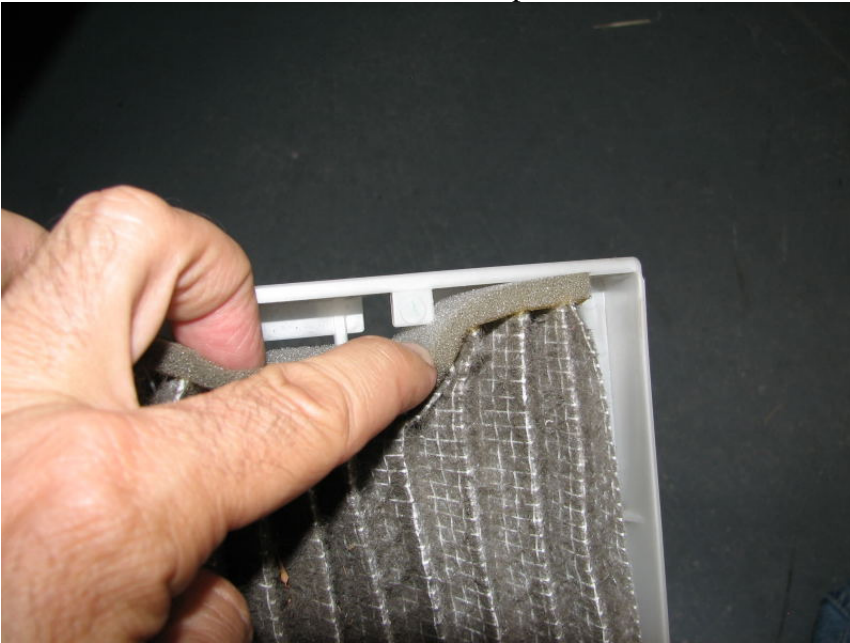


**Figure 14**

15.0. Remove the filter from its holder by pulling the filter sides inward, away from the plastic tabs. See figure 15.



## Lexus RX400h Filter installation procedure



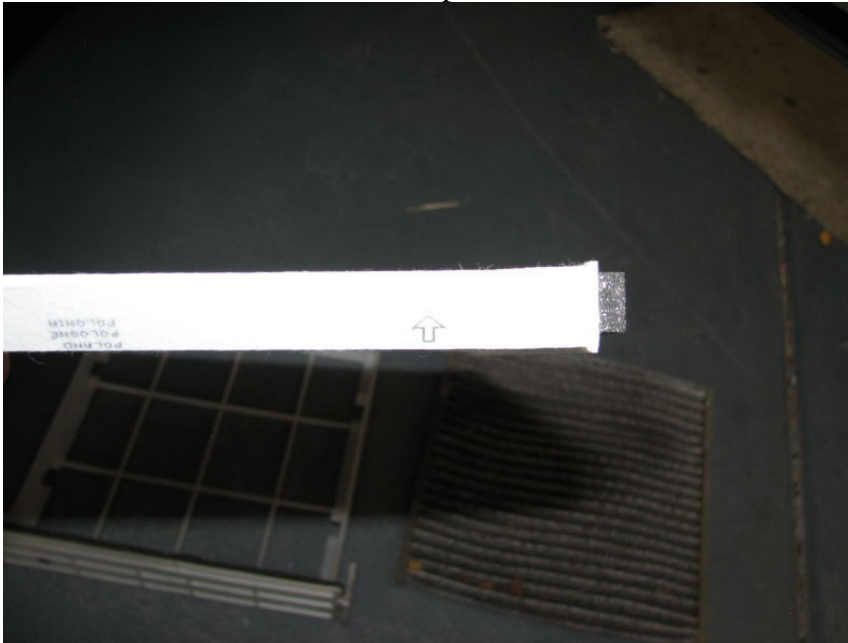
**Figure 15: Removing the filter from its holder**

16.0. Note the orientation of the filter. There is a word or symbol on one of the sides that shows which side should be facing up. The replacement filter I purchased (NAPA FIL 4883: \$20.99) has an arrow printed on its side. See figures 16 and 17 for a comparison of the OEM and NAPA filters.



**Figure 16 : OEM filter mounting direction indication**

## Lexus RX400h Filter installation procedure



**Figure 17: NAPA FIL 4883 filter mounting direction indication**

17.0. The empty filter holder can be seen in the background of figure 17. Place the new filter in this holder in the correct orientation (See figure 18) and reinsert the filter/holder assembly into the opening at the back of the glovebox.



**Figure 18: Now THAT'S a clean cabin filter!**

18.0. Close the glovebox door enough so that you can reinsert the stop buttons.

19.0. Enjoy that fresh, clean air for another 10,000 – 15,000 miles!

