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## **APPROVED / DO NOT SERVICE**

### **Approved Service List**

### **DO NOT SERVICE**

Filter	Make / Model	Year Range	Filter Position
XF56117	Chevy Silverado 2500 / 3500	2001 - 2016	Top
	GMC Sierra 2500 / 3500	2001 - 2016	
XF10322	Chevy Silverado 2500 / 3500	2017 - 2022	Bottom
	Chevy Silverado 4500 / 5500 / 6500	2019 - 2020	
	GMC Sierra 2500 / 3500	2017 - 2022	
XF55590	Ford F250 / 350 / 450 / 550	2003-2007	Top / Bottom
XF76160	Ford F250 / 350 / 450 / 550	2011-2016	Top / Bottom
XF10591	Ford F250 / 350 / 450 / 550	2017-2022	Top / Bottom
XF56097	Dodge Ram 2500	2000-2009	Top
	Dodge Ram 3500	2000-2007	
XF10309	Dodge Ram 2500 / 3500 / 4500 / 5500	2010 - 2022	Top
XF10337	Dodge Ram 2500 / 3500 / 4500 / 5500	2013 - 2018	Bottom
XF11883	Dodge Ram 2500	2019-2020; 2022	Bottom
	Dodge Ram 3500	2019-2022	
	Dodge Ram 4500 / 5500	2021-2022	

**Dodge RAM Models  
2007-2009**

**6.7 Cummins Engine**  
High chance to break  
the canister during  
service.

**Ford Models  
2008 - 2010**

**6.4 Powerstroke**

Can take hours to prime  
even when following  
the proper process.

## **STANDARD CALLOUTS**

- Fuel filter out, gasket (not) intact, bay #
- Filter XF##### going in, bay #
- Fuel filter tight, ready for prime and safety, bay #

## **MODIFIERS**

You need to confirm that any water sensor or fuel lines are reconnected if you removed them during service.

- Filter tight, sensor plugged in, ready for prime and safety, bay #
- Filter tight, fuel lines plugged in, ready for prime and safety, bay #

## **TOP AND BOTTOM**

If you have two filters you will need to distinguish between top and bottom in your callouts.

- Top fuel filter out,...
- Filter XF##### going in top,...
- Top fuel filter tight, top ready for prime and safety,...
- Bottom fuel filter out,...
- Filter XF##### going in bottom,...
- Bottom fuel filter tight, both filters ready for prime and safety,...

## **SAFETY CALLOUTS**

Safety callouts have the same rules as for installation.

- Fuel filter is tight, sensor is tight, fuel lines are secure, bay #
- Fuel filters are secure, safety checks complete, bay #

**XF56117**

## **COMPATIBLE MODELS**

Chevy Silverado 2500 / 3500  
2001 - 2016

GMC Sierra 2500 / 3500  
2001 - 2016

## **REQUIRED TOOLS**

Chemical Resistant Gloves  
Protective Eyewear  
Large Band Wrench  
Chevy Water Sensor Wrench  
13mm Socket and Wrench  
Flathead Screwdriver or 8mm  
socket  
Drain Pan and Rag



## **FILTER COMPONENTS**

Filter Canister  
Filter Gasket  
Water Sensor Gasket  
WIF Sensor (optional)  
Bleeder Screw (optional)



Use the QR Code  
above to watch the  
training video for  
this filter



**STOP**

**DO NOT BEGIN SERVICE UNTIL THE OIL CHANGE  
AND OIL SAFETY ARE COMPLETE.**

**STOP**



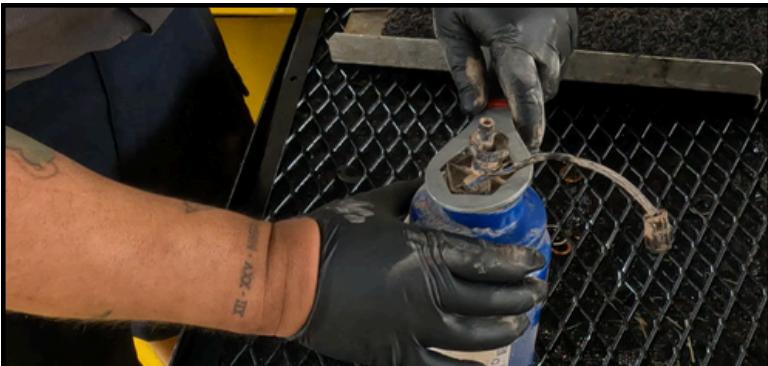
**Filter Location**

**The best place to access the filter is through the front wheel well on the passenger side of the vehicle.**



- 1. Start by removing the cover from the wheel well. There are around 10 T-15 screws to remove the cover.**
- 2. Disconnect the water sensor cable from the clip.**
- 3. Use a large band wrench to remove the filter. Check that the gasket is on the filter and not on mounting plate. Empty the fuel from the filter into drain pan.**

**Callout: "Fuel filter out, gasket (not) intact, bay #"**



- 4. Use the Chevy Water Sensor wrench to remove the water sensor from the bottom of the filter. Be careful not to damage or kink the cable.**



**5. Remove the old gasket from the Water Sensor and replace it with the new gasket.**

**6. Place the gasket into the top of the filter**

**7. Call to have the filters inspected**

**Callout: "Filter XF56117 going in, bay #"**

**8. Hand tighten the water sensor onto the bottom of the filter.**

**9. Feed the filter back up through the wheel well and hand tighten in place.**

**10. Use the band wrench to secure the filter in place.**

**11. Use the Chevy Water Sensor wrench to finish tightening the water sensor to the filter.**

**11. Reconnect the water sensor cable to the clip.**

**Callout: "Fuel filter tight, sensor plugged in, filter ready for prime and safety, bay #"**



## **PRIMING ENGINE**

- 12. Next step is to prime the engine which requires removing the cold air intake. Use a flathead screwdriver or an 8mm socket to remove the hose straps on either end of the intake.**
- 13. Use a 13mm socket to open the bleeder screw. It should only take between half to a full turn. Be careful with the bleeder screw as it's made of plastic.**
- 14. Repeatedly press the plunger until the bleeder screw starts spitting fuel. Tighten down the bleeder screw and then press the plunger a few more times until it doesn't move.**
- 16. Replace the cold air intake.**
- 17. Have the customer start the engine and perform the pressure test before closing up the wheel well cover.**

**XF10332**

### **COMPATIBLE MODELS**

Chevy Silverado 2500 / 3500  
2017 - Current

Chevy Silverado 4500 / 5500  
2019 - 2020

GMC Sierra 2500 / 3500  
2017 - Current



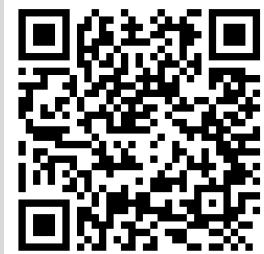
### **REQUIRED TOOLS**

Chemical Resistant Gloves  
Protective Eyewear  
36mm Socket and Wrench  
Drain Pan and Rag



### **FILTER COMPONENTS**

Filter  
Filter Gasket  
Canister Gasket

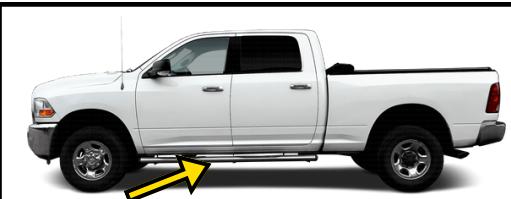


Use the QR Code  
above to watch the  
training video for  
this filter

**STOP**

**DO NOT BEGIN SERVICE UNTIL THE OIL CHANGE  
AND OIL SAFETY ARE COMPLETE.**

**STOP**

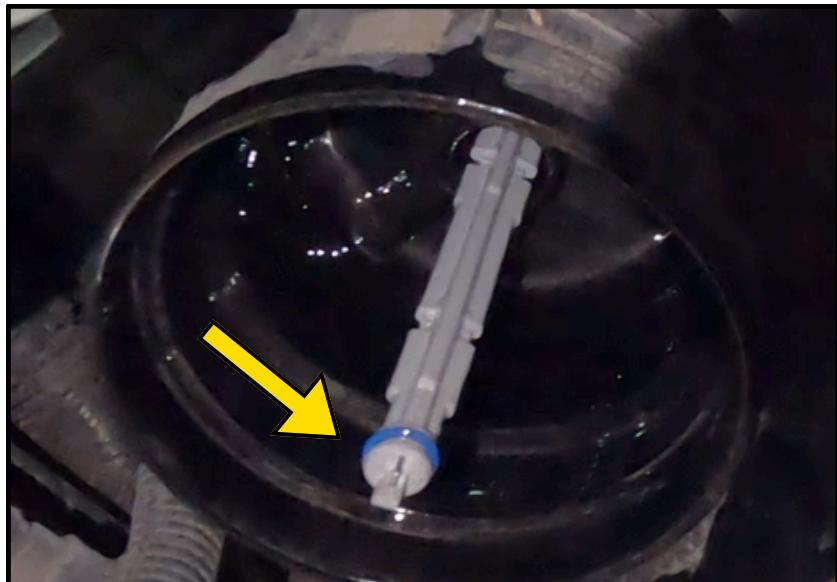


**Filter Location** The filter can be found under the truck behind the driver's door.

1. Place your drain pan under the filter and loosen the filter cap using a 36mm socket with an extension.
2. Take down the filter and drain the fuel into the drain pan.
3. Remove the filter and the gasket from the cap.
4. Remove the second gasket from the center pin in the canister on the truck.

**Callout: "Fuel filter out, gasket (not) intact, bay #"**





- 5. Replace the filter on the cap. This may take a bit of pressure to get it to seat in properly.**
- 6. Replace the gaskets on the center pin and the gasket cap. Use fuel from the drain pan to lubricate the new gaskets if you have trouble getting them on.**

- 7. Call to have the gaskets inspected.**

**Callout: "Filter XF10322 going in, bay #"**

- 8. Start installing the filter cap by hand and finish with the wrench. Do not over tighten as this is a plastic cap on a plastic canister.**

## **PRIMING ENGINE**

**Work with the customer to complete the following steps.**

- 1. Turn key to RUN**
- 2. Wait 30 seconds**
- 3. Turn key to OFF**
- 4. Repeat 1-3 for 6 times and then start the truck**

## **COMPATIBLE MODELS**

Ford F250 / F350 / F450 / F550  
2003 - 2007



## **REQUIRED TOOLS**

Chemical Resistant Gloves  
Protective Eyewear  
36mm Socket and Wrench  
24mm Socket  
Drain Pan and Rag



## **FILTER COMPONENTS**

Top Filter  
Top Filter Gasket  
Bottom Filter  
Bottom Filter Gasket

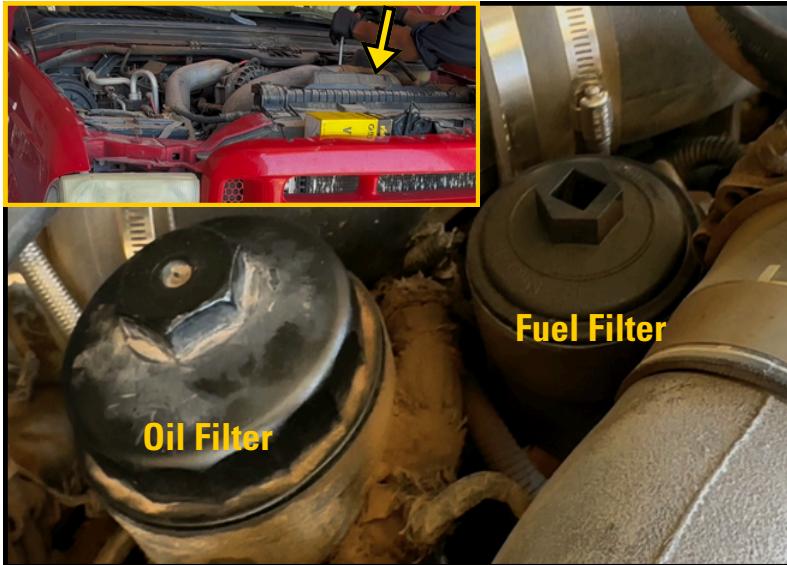


Use the QR Code  
above to watch the  
training video for  
this filter

**STOP**

**DO NOT BEGIN SERVICE UNTIL THE OIL CHANGE  
AND OIL SAFETY ARE COMPLETE.**

**STOP**



**Filter Location** The top filter is on the back right, on top of the engine.

1. Use the 24mm socket to remove the fuel filter cap.



**WARNING:** Never use the 1/2 inch drive cut out in the cap as it can cause it to split.

2. Remove the old gasket from the cap.
3. Pull the filter out of the canister.

**Callout: "Top fuel filter out, gasket (not) intact, bay #"**



4. Install the new gasket on the cap.

5. Call to have the gasket inspected.



## **XF55590: Ford 2003 - 2007 (Top/Bottom)**



**Callout: "Filter XF55590 going in top, bay #"**

- 5. Place filter into the canister with the closed side up.**
- 6. Hand tighten the cap onto the canister and finish with the socket.**

**Callout: "Top fuel filter tight, top filter ready for prime and safety, bay #"**

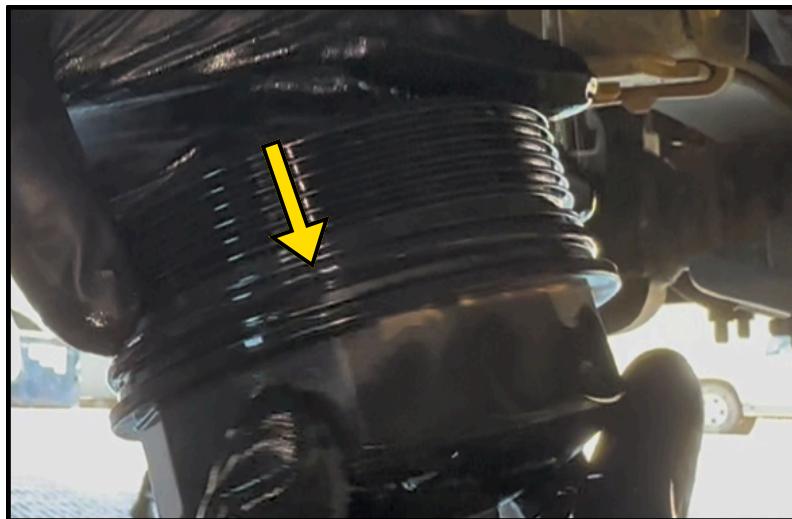


**Filter Location** The bottom filter is underneath the truck behind the driver's door.

- 7. Put the drain pan under the filter and remove the cap with a 36mm socket. If this is a 4WD you will need a long extension as the front drive axle will be in the way.**
- 8. Remove the filter from the canister and the gasket from the cap.**

**Callout: "Bottom fuel filter out, gasket intact, bay #"**

## **XF55590: Ford 2003 - 2007 (Bottom / Prime)**



**9. Install new gasket onto the cap.**

**10. Call to have the gasket inspected.**

**Callout: "Filter XF55590 going in bottom, bay #"**

**11. Insert the filter into the canister.**

**12. Hand tighten the cap in place and finish tightening with the socket. Be careful as this is a plastic cap.**

**Callout: "Bottom fuel filter tight, both filters ready for prime and safety, bay #"**

### **PRIMING ENGINE**

**Work with the customer to complete the following steps.**

- 1. Turn key to RUN**
- 2. Wait 30 seconds**
- 3. Turn key to OFF**
- 4. Repeat 1-3 for 6 times and then start the truck**

**XF76160**

## **COMPATIBLE MODELS**

Ford 250 / 350 / 450 / 550  
2011 - 2017



## **REQUIRED TOOLS**

Chemical Resistant Gloves  
Protective Eyewear  
32mm Socket and Wrench  
Drain Pan and Rag



## **FILTER COMPONENTS**

Top Filter  
Bottom Filter  
Bottom Gasket

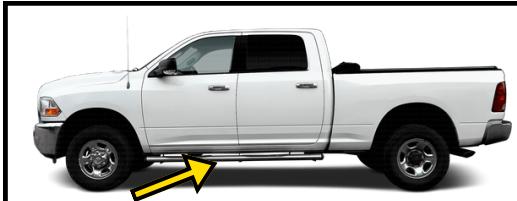


Use the QR Code  
above to watch the  
training video for  
this filter

**STOP**

**DO NOT BEGIN SERVICE UNTIL THE OIL CHANGE  
AND OIL SAFETY ARE COMPLETE.**

**STOP**



**It's best to start by draining the bottom filter.  
This takes enough time to complete installing  
the top filter.**

**Filter      The bottom filter is underneath the truck  
Location      behind the driver's door.**

**1. Disconnect the water sensor cable**

**2. Place the drain pan under the filter and open the  
yellow bleeder valve.**

**Move to the top filter.**





**Filter Location** The top filter is in the back right, on top of the engine.

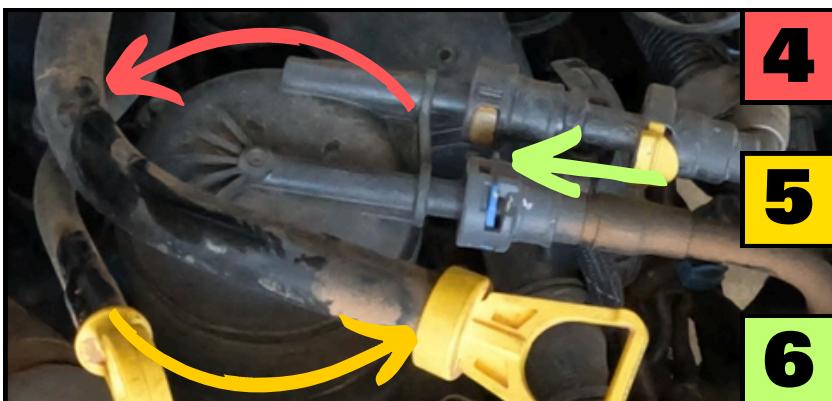
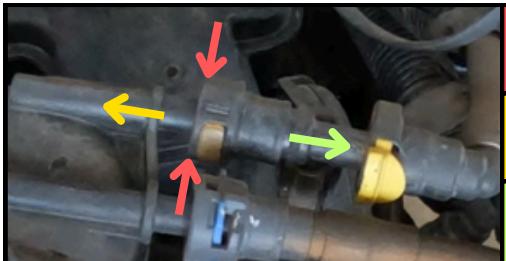
### 3. Disconnect the fuel lines; the locks are different on each.

- Rear: pinch in on the white clips and push forward. Pull back on the line to remove
- Front: pull the edge of the blue clip forward and then push down until the blue clip slide out.

### 4. Twist the filter counter-clockwise and pull it out.

Callout: "Top fuel filter out, bay #"

Callout: "Filter XF76160 going in top, bay #"



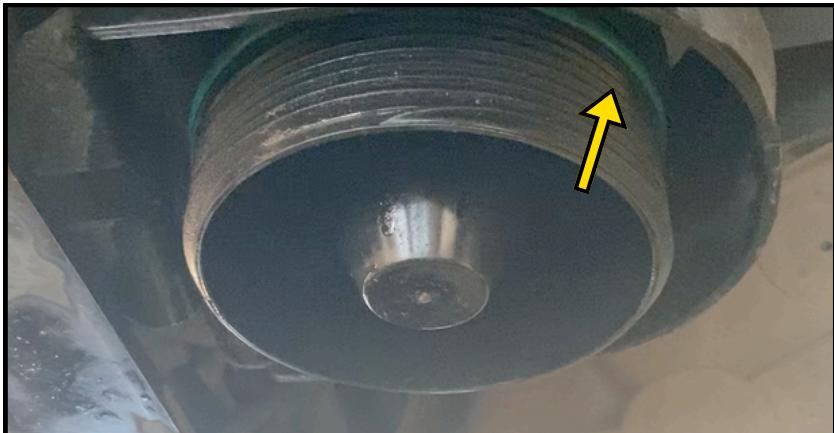
### 5. Put the new filter into the canister with the lines to the back and twist clockwise into place.

### 6. Push the fuel lines into place on the new canister. They should lock in place once they've been pushed on.

### 7. Pull back on the lines to test that they are locked.

Callout: "Top fuel filter tight, filter ready for prime and safety, bay #"

## **XF76160: Ford 2011 - 2017 (Bottom)**



**8. Close the bleeder valve.**

**9. Use a 32mm socket to remove the cap and filter.**  
Pour any remaining fuel into the drain pan.

**10. Remove the filter from the cap.**

**11. Remove the gasket from the canister.**

**Callout: "Bottom fuel filter out, gasket intact, bay #"**

**12. Install the new gasket on the canister.**

**13. Call for the gasket to be inspected.**

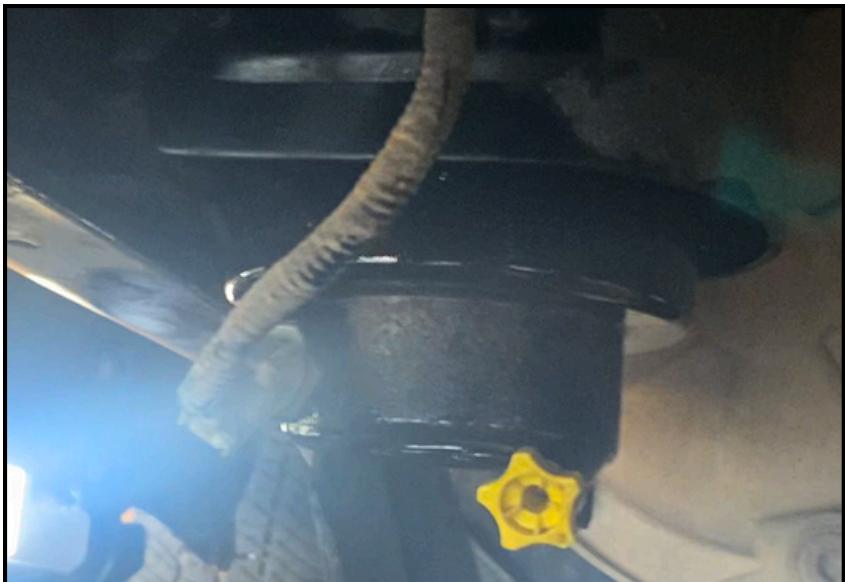
**Callout: "Filter XF76160 going in bottom, bay #"**

**14. Place the new filter on the cap.**

**15. Hand tighten the cap onto the canister. Finish tightening with the socket.**



**Be careful when tightening down as it's a plastic cap on a plastic canister.**



**16. Reconnect the water sensor valve**

**Callout: "Bottom fuel filter tight, both filters ready for prime and safety, bay #"**

**PRIMING ENGINE**

**Work with the customer to complete the following steps.**

- 1. Turn key to RUN**
- 2. Wait 30 seconds**
- 3. Turn key to OFF**
- 4. Repeat 1-3 for 6 times and then start the truck**

**XF10591**

### **COMPATIBLE MODELS**

Ford F250 / F350 / F450 / F550  
2018 - Current



### **REQUIRED TOOLS**

Chemical Resistant Gloves  
Protective Eyewear  
8mm Socket and Wrench  
Small Flathead Screwdriver  
Drain Pan and Rag



### **FILTER COMPONENTS**

Top Filter  
Bottom Filter  
Bottom Gasket



Use the QR Code  
above to watch the  
training video for  
this filter

**STOP**

**DO NOT BEGIN SERVICE UNTIL THE OIL CHANGE  
AND OIL SAFETY ARE COMPLETE.**

**STOP**



**It's best to start by draining the bottom filter.  
This takes enough time to complete installing  
the top filter.**

**Filter Location** The bottom filter is underneath the truck behind the driver's door.

- 1. Disconnect the water sensor cable**
- 2. Place the drain pan under the filter and open the yellow bleeder valve.**

**Move to the top filter.**



## XF10591: Ford 2018 - Current (Top)



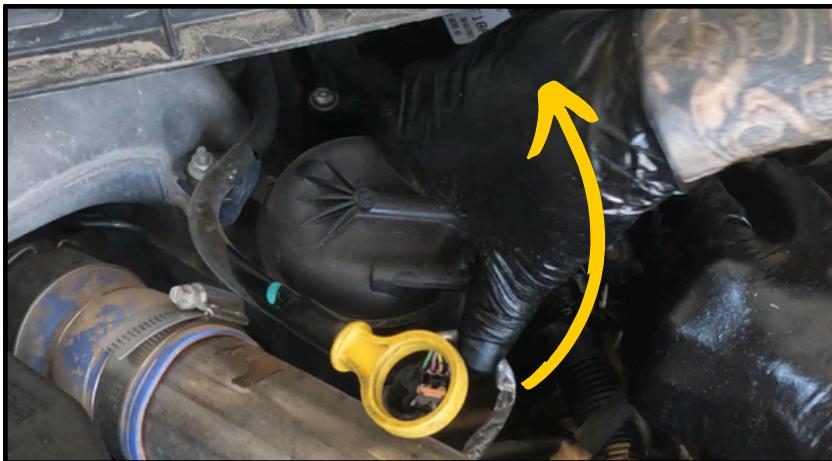
Back



Front



Up



**Filter Location** The top filter is in the back right, on top of the engine.

3. Disconnect the fuel lines; the locks all the same but they are all angled differently which can make the approach different.

- Rear: Push the white clips that are top and bottom to the back to unlock.
- Middle: Push the brown clips that are top and bottom to the front to unlock.
- Front: Push the green clips that are front and back up to unlock.



If needed, use a small flathead screwdriver to pry up the head of the clip. Be very careful when doing this as these clips can break which would require you to replace the line.

4. Twist the filter counter-clockwise and pull it out.

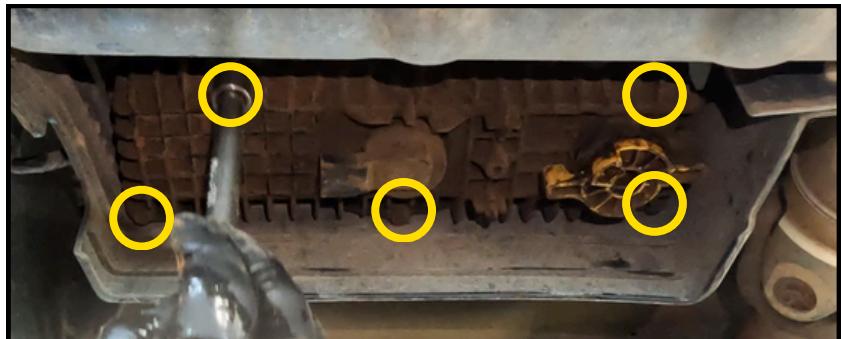
Callout: "Top fuel filter out, bay #"

Callout: "Filter XF10591 going in top, bay #"



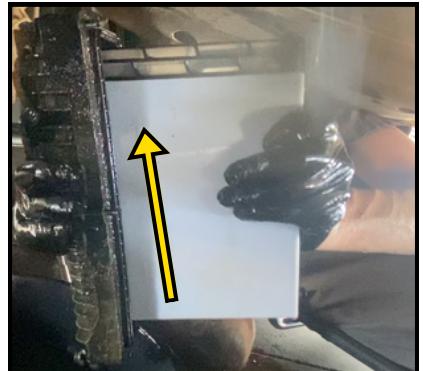
5. Put the new filter into the canister with the lines to the back and twist clockwise into place.
6. Push the fuel lines into place on the new canister and push in on the flat of each clip to lock.
7. Pull back on the lines to test that they are locked.

**Callout: "Top fuel filter tight, filter ready for prime and safety, bay #"**



8. Close the bleeder valve.
9. Use an 8mm socket to remove the bolts on the cap. There are 5 total, two on one side and three on the other.
10. Pull down on the cap to remove the filter and cap.
11. Slide the filter to unlock it from the cap.
12. Remove the gasket from the cap.

**Callout: "Bottom fuel filter out, gasket intact, bay #"**



## **XF10591: Ford 2018 - Current (Top / Bottom)**



**13. Apply the new gasket onto the cap.**

**14. Call to have the gasket inspected.**

**Callout: "Filter XF10591 going in bottom, bay #"**

**15. Slide the filter onto the cap. The tube on the filter should align with the bleeder valve on the cap.**

**16. Fit the cap into the canister and tighten down the 5 bolts with the socket.**

**17. Plug the water sensor cable back into the port.**

**Callout: "Bottom fuel filter tight, sensor plugged in, both filters ready for prime and safety, bay #"**



### **PRIMING ENGINE**

**Work with the customer to complete the following steps.**

- 1. Turn key to RUN**
- 2. Wait 30 seconds**
- 3. Turn key to OFF**
- 4. Repeat 1-3 for 6 times and then start the truck**

**XF56097**

### **COMPATIBLE MODELS**

Dodge RAM 2500  
2000 - 2009

Dodge RAM 3500  
2000 - 2007



### **REQUIRED TOOLS**

Chemical Resistant Gloves  
Protective Eyewear  
29mm Socket and Wrench  
Long Extension  
Universal Joint  
Drain Pan and Rag



### **FILTER COMPONENTS**

Filter  
Gasket

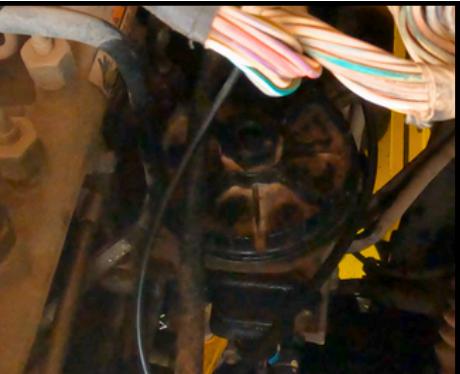


Use the QR Code  
above to watch the  
training video for  
this filter

**STOP**

**DO NOT BEGIN SERVICE UNTIL THE OIL CHANGE  
AND OIL SAFETY ARE COMPLETE.**

**STOP**



**Filter Location**

**The filter can be found in down in the engine at the back right.**

**1. Use a 29mm socket with a long extension and universal joint to remove the filter cap.**

**2. Remove the gasket from the filter cap.**

**3. Remove the filter from the canister.**

**Callout: "Fuel filter out, gasket (not) intact, bay #"**

**4. Install the gasket on the cap.**

**5. Call to have the gasket inspected.**

**Callout: "Filter XF56097 going in, bay #"**

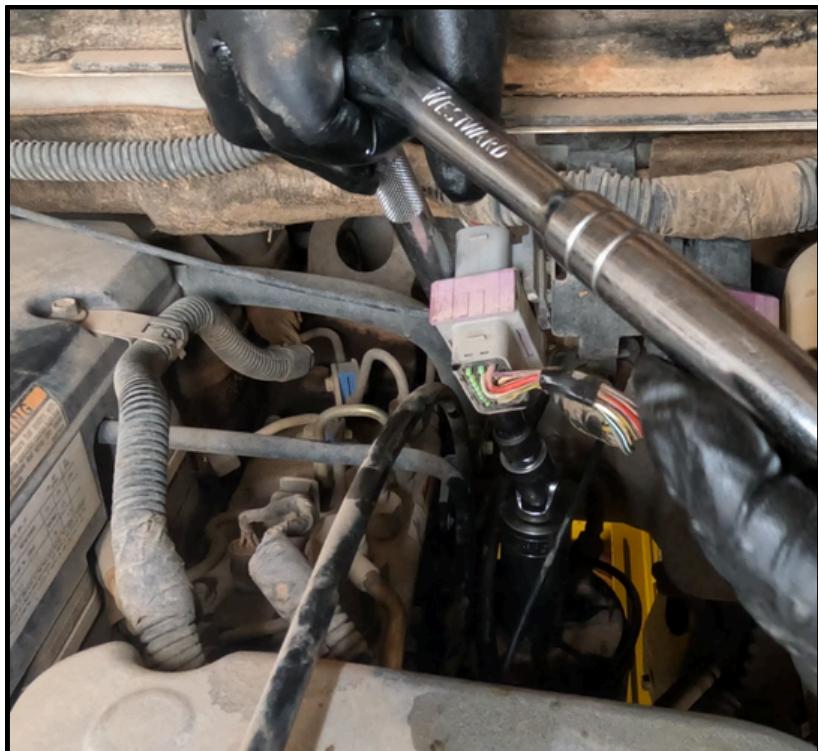




**6. Seat the filter into the cap and place it into the canister.**

**7. Hand tighten the cap onto the canister and finish tightening with the socket.**

**Callout: "Fuel filter tight, filter ready for prime and safety, bay #"**



## **PRIMING ENGINE**

**Work with the customer to complete the following steps.**

- 1. Turn key to RUN**
- 2. Wait 30 seconds**
- 3. Turn key to OFF**
- 4. Repeat 1-3 for 6 times and then start the truck**

**XF10309**

### **COMPATIBLE MODELS**

Dodge RAM 2500 / 3500 / 4500  
2010 - Current

Combined with:  
XF10337: 2013 - 2018  
XF11883: 2019 - Current



### **REQUIRED TOOLS**

Chemical Resistant Gloves  
Protective Eyewear  
28mm Socket and Wrench  
Long Extension  
Universal Joint  
Pliers  
Drain Pan and Rag



### **FILTER COMPONENTS**

Filter  
Gasket



Use the QR Code  
above to watch the  
training video for  
this filter



**STOP**

**DO NOT BEGIN SERVICE UNTIL THE OIL CHANGE  
AND OIL SAFETY ARE COMPLETE.**

**STOP**



**Filter Location** The filter can be found in down in the engine at the back right.

1. Use a 28mm socket with a long extension and universal joint to remove the filter cap.
2. Remove the filter from the canister. You may need a pair of pliers to get the filter out.

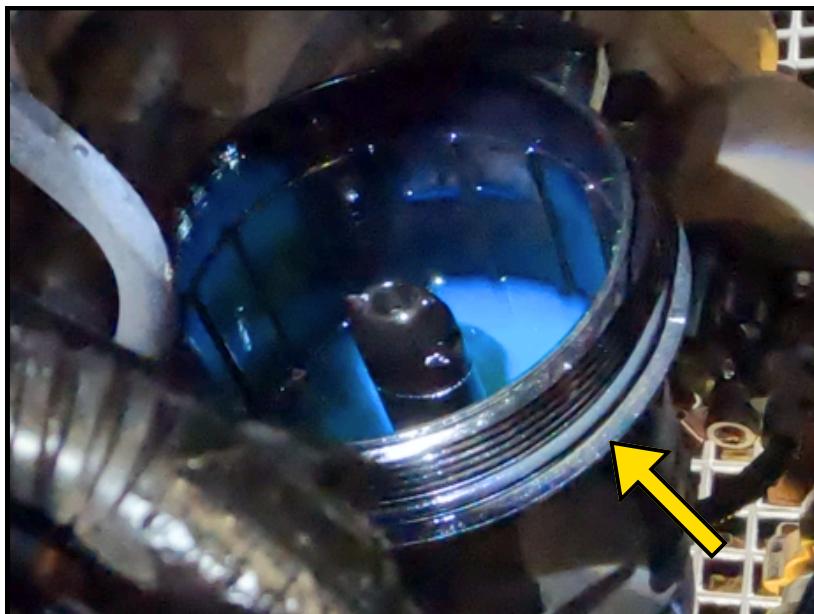
3. Remove the gasket from the canister.

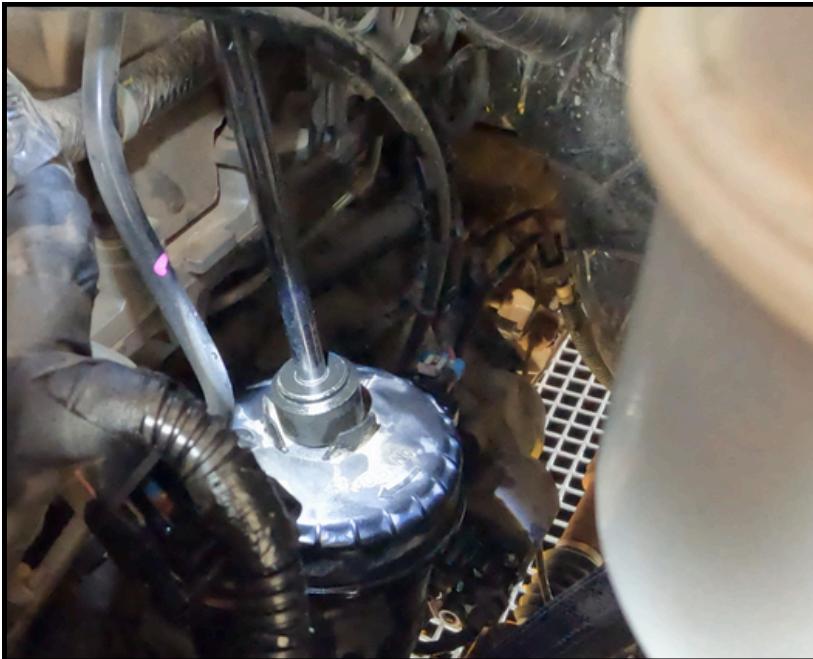
**Callout:** "Fuel filter out, gasket (not) intact, bay #"

4. Install the gasket on the cap.

5. Call to have the gasket inspected.

**Callout:** "Filter XF56097 going in, bay #"





**6. Place the filter into the canister.**

**7. Hand tighten the cap onto the canister. Finish tightening with the socket.**

**Callout: "Top fuel filter out, ready for prime and safety, bay #"**



**If this is a single filter truck, continue to priming steps on page 34.**

**If this is a dual filter truck, between 2013 - 2018 continue to the next page for bottom filter instruction.**

**If this is a dual filter truck between 2019 - Current, continue to page 32 for bottom filter instructions.**

**XF10337**

## **XF10337: Dodge RAM 2013 - 2018 (Bottom)**

### **COMPATIBLE MODELS**

Dodge RAM 2500 / 3500 / 4500  
2013 - 2018

Combined with:  
XF10309 - Top Filter



### **REQUIRED TOOLS**

Chemical Resistant Gloves  
Protective Eyewear  
Large Band Wrench  
Lisle Water Sensor Wrench  
Drain Pan and Rag



### **FILTER COMPONENTS**

Filter Canister  
Gasket



Use the QR Code  
above to watch the  
training video for  
this filter

**STOP**

**DO NOT BEGIN SERVICE UNTIL THE OIL CHANGE  
AND OIL SAFETY ARE COMPLETE.**

**STOP**



**Filter Location** The filter can be found under the middle of the truck, just in front of the rear axel.

- 1. Disconnect the water sensor cable.**
- 2. Use a large band wrench to loosen the filter and then removing by hand. Put a drain pan under the filter as it will flood once it gets loose.**
- 3. Check that the gasket is on the filter and not on the mounting plate.**

**Callout:** “Bottom fuel filter out, gasket (not) intact, bay #”

- 4. Use a Lisle Water Sensor Wrench to remove the water sensor from the bottom of filter. Be careful not to damage the cable.**
- 5. Remove the old gasket from the water sensor.**





**6. Install the new gasket on the water sensor.**

**7. Install the gasket on top of the new filter if it's missing.**

**8. Call to have the gaskets checked.**

**Callout: "Filter XF10337 going in bottom, bay #"**

**9. Use a Lisle Water Sensor Wrench to mount the water sensor to the new filter.**

**10. Hand tighten the filter onto the mounting plate. Finish tightening with the band wrench. Be careful not to damage the cable.**

**11. Reconnect the water sensor cable.**

**Callout: "Bottom fuel filter tight, sensor plugged in, both filters ready for prime and safety, bay #"**



**Continue to page 34 for priming instructions.**



**XF11883**

### **COMPATIBLE MODELS**

Dodge RAM 2500 / 3500 / 4500  
2019 - Current

Combined with:  
XF10309 - Top Filter



### **REQUIRED TOOLS**

Chemical Resistant Gloves  
Protective Eyewear  
29mm Socket with Wrench  
Drain Pan and Rag

### **FILTER COMPONENTS**

Filter  
Gasket



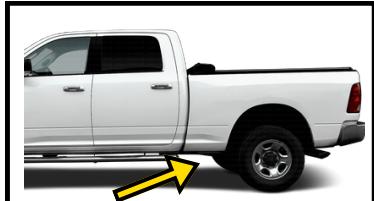
Use the QR Code  
above to watch the  
training video for  
this filter



**STOP**

**DO NOT BEGIN SERVICE UNTIL THE OIL CHANGE  
AND OIL SAFETY ARE COMPLETE.**

**STOP**



**Filter Location** The filter can be found under the middle of the truck, just in front of the rear axle.

**1. Put the drain pan under the filter and use a 29mm socket to remove the filter cap.**

**2. Remove the filter from the cap.**

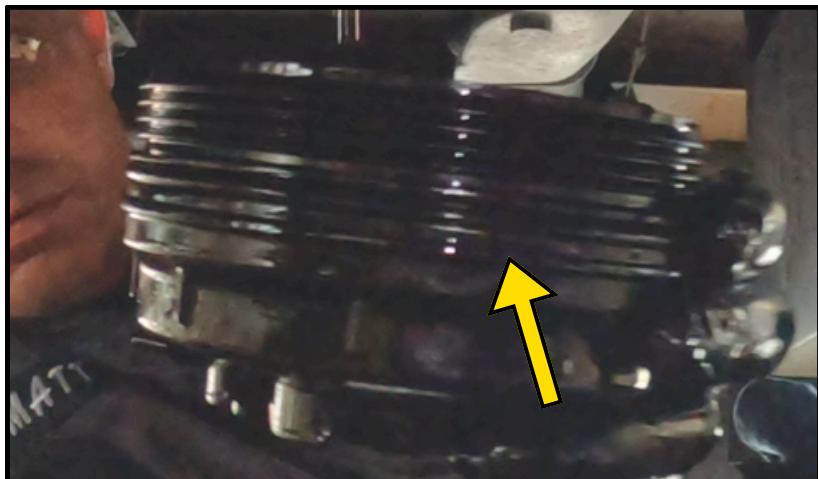
**3. Remove the gasket from the cap.**

**Callout:** “Bottom fuel filter out, gasket (not) intact, bay #”

**4. Replace the gasket on the cap.**

**5. Call to have the gasket inspected.**

**Callout:** “Filter XF11883 going in bottom, bay #”



## **XF11883: Dodge RAM 2019 - Current (Bottom / Prime)**



- 6. Fit the filter into the cap.**
- 7. Put the filter and cap up into the canister. Hand tighten and then finish with the socket.**

**Callout: "Bottom fuel filter tight, both filters ready for prime and safety, bay #"**



### **PRIMING ENGINE**

**Work with the customer to complete the following steps.**

- 1. Turn key to RUN**
- 2. Wait 30 seconds**
- 3. Turn key to OFF**
- 4. Repeat 1-3 for 6 times and then start the truck**