



## 3.0L LZ0 Fuel System Saver 301 Block

### Vehicle Fitments:

- 2020 – Present Silverado / Sierra 1500s
- 2021 – Present Chevrolet Tahoe/Suburban
- 2021 – Present GMC Yukon/Yukon XLs
- 2021 – Present Cadillac Escalade/ ESV

### Kit Contents:

<b>Fuel Block w/ pressed-in plugs (Qty.1)</b>	
<b>VSE Bracket with (2) Studs &amp; (2) Flange Nuts (Qty.1)</b>	
<b>8mm Flathead Bolts (Qty.2)</b>	
<b>90° Fuel Fitting w/ O-ring (Qty.2)</b>	
<b>Fuel Filter Adapter w/ O-ring (Qty.1)</b>	
<b>Water Separator Adapter w/ O-ring (Qty.1)</b>	
<b>6mm Bolts (Qty.3)</b>	
<b>Stainless Alignment Pin (Qty.1)</b>	
<b>Conductivity Probe O-rings (Qty.3)</b>	
<b>Fuel Filter (Qty.1)</b>	
<b>Water Separator (Qty.1)</b>	

**Completed by:**



Turn over for instructions →

# Instruction Guide

(For detailed instructions/ pictures please visit our website [Runvse.com](http://Runvse.com) or scan the QR code)

**Step 1:** Disconnect battery

**Step 2:** Locate the OEM fuel filter assembly near the middle/driver's side of the truck

**Step 3:** Using a T40 Torx socket and a bucket, slowly loosen the nut at the bottom of the fuel filter housing to drain any fuel/water. Using a 36mm socket, the filter head can also be removed to release any remaining fuel but is not required.

**Step 4:** Carefully disconnect both quick-connect fittings from each side of the factory housing

**!! THE SECURITY CONNECTORS BREAK EASILY CLEAN AND DEGREASE THE CONNECTOR AREA BEFORE TRYING TO DISCONNECT!!**

- To unseat the white lock, using a small flathead screwdriver or similar, carefully pry each side outwards while pulling the white top away from the connector. Repeat with the blue lock on the opposite side. If broken, vehicle can still be driven with one of the two locks in place, but see Dorman 800-040 for replacement.

**Step 5:** Carefully squeeze together the base of the electrical connector on top of the filter housing to release.

**Step 6:** Loosen the three nuts on the backside of the factory bracket through the outer holes in the frame, but do not remove, then slide the housing towards the front of the vehicle, and pull out to remove.

**Step 7:** Remove the three screws holding the conductivity probe to the housing and use a small flathead screwdriver to slowly unseat the probe.

**Step 8:** Remove and discard the large and medium O-rings from the probe and replace with included O-rings. The small O-ring at the tip can be left in place.

**Step 9:** Install probe into the new Fuel Filter Block using the three 6mm bolts (be sure to lubricate each O-ring and mating surface on the block). Hand thread each bolt into the holes after lining up the probe's slot with the stainless pin. Carefully tighten each bolt a few turns each until the large O-ring becomes seated and the bolts are tight. ( A second O-ring for the base of the probe has also been included in case the first one it damaged upon initial install.)

**Step 10:** Install the Fuel Block and bracket up into the two factory frame holes, and slide towards the rear of the vehicle. Using a 13mm socket, tighten the bracket through the outer frame holes.

**Step 11:** Reconnect electrical connector to conductivity probe.

**Step 12:** Reconnect and lock both quick-connect fuel fittings.

**Step 13:** The water separator contains a small rubber Oring. **This is NOT needed or used.** Open the filter package, remove and discard the small Oring. The filter fitting on the water separator is designed for direct sealing, and negates the need for this Oring. Using clean oil or diesel fuel, lubricate both O-rings on your new filters before hand-tightening them to the Fuel Block (the threaded adapters are different sizes which does not allow for incorrect installation of filters). **Make sure to tighten the water separator drain cap (Failure to do so may result in fuel drainage in lower temperatures)!**

**Step 14:** Reconnect battery

**Step 15:** Prime your truck by pressing and holding the start button, without your foot on the brake, until you hear the lift pump start to prime the fuel lines. If your truck has a key, turn it to the ON position but do not start the truck. Truck may take a few seconds longer to initially start. Check for leaks and enjoy your new **Fuel System Saver** by VSE!