



## **2020+ L5P Fuel System Saver**

### **Kit Contents:**

<b><i>Fuel Block w/ pressed-in plugs (Qty.1)</i></b>	
<b><i>VSE Bracket with (3) Carriage Bolts &amp; (3) Flange Nuts (Qty.1)</i></b>	
<b><i>8mm Flathead Bolts (Qty.2)</i></b>	
<b><i>90° Fuel Fitting w/ O-ring (Qty.2)</i></b>	
<b><i>Fuel Filter Adapter w/ O-ring (Qty.1)</i></b>	
<b><i>Water Separator Adapter w/ O-ring (Qty.1)</i></b>	
<b><i>6mm Bolts (Qty.3)</i></b>	
<b><i>Stainless Alignment Pin (Qty.1)</i></b>	
<b><i>Conductivity Probe O-rings (Qty.2)</i></b>	
<b><i>Fuel Filter (Qty.1)</i></b>	
<b><i>Water Separator (Qty.1)</i></b>	
<b><i>Braided Sleeve w/ Two Zip Ties (Qty.1)</i></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 an 18mm 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

- To unseat the blue lock, first push the connector body inwards towards the filter housing to release pressure, and then squeeze the top of the blue tab in order to pull away and disconnect.
- To unseat the white lock, slide the locking tabs upwards on both sides of the connector body, and then disconnect.

**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 housing but do not remove, then slide the housing over, and remove from truck.

**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 Dual Fuel Filter Block using the three 6mm bolts (be sure to lubricate each O-ring first). 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.

**Step 10: 2017-2019 LSP Owners:** Using the two factory 8mm bolts, which connected the factory housing to the factory bracket, attach the new Fuel Block to the factory bracket using a 13mm wrench (some may find it easier to attach the block to the bracket **after** the bracket has been reinstalled into the slots under the truck).

**2020+ LSP Owners:** Slide the braided sleeve over the factory aluminum return fuel line, and secure with zip ties, to prevent possible rubbing with new fuel block (each truck is slightly different and may or may not need the sleeve for protection). Use the supplied 8mm flathead bolts and a 5mm Allen wrench to secure the Fuel Block to the supplied VSE bracket. You will use the factory hole locations to secure the new bracket to your truck using the three carriage bolts and flange nuts.

**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. **Let the truck sit in the "ON" position for 10 minutes to complete the priming cycle.** Check for leaks and enjoy your new Fuel System Saver by VSE!