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Fuel System Service

Deposits in the fuel system reduce fuel economy, impair drivability, and interfere with the proper operation of an engine. Deposits are a by-product of the combustion process and need to be removed on a regular basis.

Cleaning Fuel Injectors is only part of the solution! To restore performance and fuel economy along with eliminating hesitation, rough idle and knocking we must clean the entire fuel delivery and air intake systems. Valvoline Professional Series line has developed a line of fuel products and delivery mechanisms that will accomplish these goals in many different ways. The choice is up to you as to which product and method best suit your technician’s preference and your customers needs. The following are your choices of products and apparatus’s.

VPS Fuel Injector Cleaner
(Part No 67910, 16 fl. oz.)
- Dissolves and removes deposits, gums, and varnish from the intake valves and fuel injectors
- Helps restore fuel economy, horsepower, and overall drivability. Smooths out rough idle and throttle hesitation
- Safe for ALL fuel system components including catalytic converters and oxygen sensors
- Recommended every 5,000 km or with every oil change

VPS Complete Fuel System Treatment
(Part No 679741, 16 fl. oz.)
Valvoline’s best fuel additive.
Provides all of the benefits of the Super Concentrated Fuel Injector Cleaner PLUS:
- Helps to restore maximum engine performance; specifically fuel economy
- Cleans and protects the entire fuel system in just one application
- Removes stubborn combustion chamber deposits
- Recommended every 20,000 km or once a year
Dual Canister Tool & Adapter Set
Tool (Part No 695072) & Adapter Set (Part No VPS-0378)
The Dual Canister tool is extremely versatile in its application! It can be utilized to perform the following functions:
• Misting cleaner through the throttle body
• Injecting cleaner into the fuel rail
The multifaceted design of the tool makes it possible to perform each of these functions individually or simultaneously. Set up and use of the tool is simplistic and efficient.
Use of this product and apparatus can be viewed at https://www.youtube.com/user/ValvolineVPS

VPS 3 Part Plus Kit
(Part No 675380)
For use with Dual Canister Tool (Part No 695072) & adapter set
(Part No VPS-0378)
This service is the most effective and efficient combination of cleaning for the fuel rail, injectors, throttle body and air intake system. Thorough cleaning of the combustion chamber is provided with VPS’s “Complete” fuel tank treatment.
VPS 2 Part Fuel Kit
(Part No 507674)
The 2 Part Fuel service is designed as an effective service with ease of application utilizing the Complete Intake Device/S-Tool (VP055) as seen below. The cleaner is introduced into the Throttle Body utilizing a mist thereby cleaning the entire air intake system up to and including the Combustion Chamber.

VPS Complete Intake Device/S-Tool
(Part No VP055)
Recommended for use with Fuel System Kit:
• VPS 2-Part Fuel System Kit (Part No 507674)
• May also be used with VPS 3-Part Fuel System Kit (Part No VP071)
This apparatus can be used to deliver the cleaner either by misting through the Throttle Body or injecting through the Fuel Rail. Unlike the VPS Dual Canister tool the operation will be single use only. Meaning only one can of product or one part of the service can be performed at a time.
VPS Fuel Rail Injector Cleaner
(Part No VP076)
These Kits are designed to be used with our Cleaning Hose with Regulator apparatus (VPS-0381) and adapter set (VPS-0378) seen below. In this process the product itself (VP076) acts as the fuel tank and the cleaner as the fuel. The fuel pump must be disabled and any fuel return must be disabled or re-routed. The product (VP076) is contains a self propellant and is pressurized therefore it will now act as the fuel pump pushing the cleaner into the fuel system at the appropriate pressure. In the case of the High Performance Fuel Injection Kit (666725) additional cleaning is accomplished through the use of the tank additive.

VPS High Performance Fuel Injection Kit
(Part No 666725)

VPS Fuel Rail Assembly
(Non-Canister)
(Part No VPS-0381)
This apparatus can be used by attaching directly to the product container (VP076).
VPS 3-Part Fuel System Kit
(Part No VP071)
• The Throttle Body is cleaned through the use of soaking the Cleaning Swab with the Throttle Body Spray and manually wiping clean the Throttle Body housing and Throttle Plate.
• The Intake Manifold, Plenum and Runners are cleaned through the use of an (IV) intravenous device, attached to the closest vacuum source to the back of the Throttle Body.
• Additional cleaning is achieved through the use of a tank additive.

VPS Throttle Body Kit
(Part No 844697)
This kit is an ease of use combination that requires no specialized equipment to perform the service. Although it is very simplistic in its application it is also very effective in its cleaning ability. The specific components it is designed to attack are the Throttle Body, Combustion Chamber, Intake Valves & Ports and Fuel Injectors.
Diesel Fuel System Service

With a unique, custom formulation designed specifically to treat even the toughest deposits, yet completely safe for all types of diesel systems, the VPS Diesel Fuel Rail Service is Best in Class. The powerful detergents immediately remove deposits, carbon, varnish and other performance robbing contaminants from injectors and combustion chambers restoring overall engine efficiency and fuel economy. The Diesel Fuel Injector Treatment is added to the fuel tank to clean-up existing deposits as well as utilizing unique keep-clean technology to minimize future deposits from accumulating within the fuel system.

VPS Diesel Fuel Injector Treatment
(Part No VP201, 12 fl. oz.)
- Dissolves and removes deposits, gums, and varnish from the diesel fuel system
- Utilizes keep-clean technology to minimize future fuel system deposits
- Provides 3 numbers of cetane boost for easier cold starts and peak engine efficiency
- Contains special lubricity additives to lubricate diesel fuel pump and injectors
- Helps reduce harmful exhaust particulate emissions
- Recommended every 12,000 to 14,000 km
- Treat rate of up to 200 liters in one application

VPS HD Diesel Fuel Injector Treatment
(Part No VP202)
Provides all of the benefits of the VPS Light to Medium Duty Diesel Fuel Injector Treatment:
- Dissolves and removes deposits, gums, and varnish from the diesel fuel system
- Utilizes keep-clean technology to minimize future fuel system deposits
- Provides 3 numbers of cetane boost for easier cold starts and peak engine efficiency
- Contains special lubricity additives to lubricate diesel fuel pump and injectors
- Helps reduce harmful exhaust particulate emissions
PLUS:
- Treat rate of up to 950 liters in one application
VPS Diesel Fuel Rail Kit
(Part No VP205)
• Helps restore fuel economy, power, and overall drivability
• Cures hard starts, rough idle, and throttle hesitation
• Dissolves and removes deposits, gums, and varnish from the entire diesel fuel system
• Helps reduce harmful particulate emissions and black smoke
• This service should be performed as needed, as a general maintenance, or once a year / every 48,000 km

VPS HD Diesel Fuel Rail Kit
(Part No VP206)
Provides all of the benefits of the VPS Light to Medium Duty Diesel Fuel Rail Kit PLUS in a Heavy Duty Formulation in order to meet the demanding service needs of an engine with greater than 10L displacement.
• Helps restore fuel economy, power, and overall drivability
• Cures hard starts, rough idle, and throttle hesitation
• Dissolves and removes deposits, gums, and varnish from the entire diesel fuel system
• Helps reduce harmful particulate emissions and black smoke
• This service should be performed as needed, as a general maintenance, or once a year / every 48,000 km
Transmission Service

Many transmission failures are due to overheating and fluid contamination. Conventional transmission services remove only a small portion of the contaminated fluid from the system. Leftover fluid contaminates the new fluid, causing new deposits to form more quickly. These deposits reduce the ability of the fluid to cool properly, lending itself to further breakdown, overheating, and ultimately transmission failure.

The use of the VPS Transmission Cleaner prior to the fluid exchange gives the new transmission fluid an environment that will not be overloaded with contamination and deposits. This allows the new fluid to last longer and perform at a higher function than it would if it was immediately saturated with contamination.

VPS Solvent-Free Automatic Transmission Cleaner & Conditioner Kit
(Part No. VP094) Cleaner & Conditioner & (Part No. VP093) Conditioner

Here’s How it Works:

Step 1:
VPS Solvent-Free Transmission Cleaner is added to and circulated with the existing transmission fluid. It thoroughly cleans deposits from the entire transmission including the transmission cooler, valve body and torque converter.

Step 2:
VPS Protector Conditioner and Sealer is added with the new transmission fluid using ATF exchange equipment to remove virtually all of the old fluid from the system. The addition of this product helps maintain optimum shifting characteristics and gives added protection against wear and high temperature breakdown providing the ultimate transmission service.

Benefit:
Helps maintain proper shifting characteristics and prolong the life of your transmission. VPS Transmission Conditioner is added to protect against shudder and premature wear while conditioning seals to prevent leaks.

Recommended every 48,000 km.
VPS Manual Transmission/Transfer Case Fluid

(Part No 508216, 32 fl. oz.)

A high performance full synthetic fluid for manual transmissions, transfer cases, and transaxles. This fluid contains a blend of multifunctional additives, synthetic base stocks, and a shear resistant viscosity modifier. The fluid has outstanding anti-corrosion and anti-foam performance and is specially formulated for use in Syncromesh applications.

- Ideal for all Asian OEM manual transmissions.

Ideal service if used with VPS Solvent-Free Differential, Transfer Case, & MT Cleaner (part No. 667859). A safe and effective detergent/dispersant based cleaner that quickly helps remove harmful deposits and varnish from the driveline system. Readily prepares the Transfer Case or Manual Transmission for new fluid.

**Benefit:**
Helps provide enhanced protection and smoother gear changing over severe hot and cold temperatures including heavy loads. Additionally, it helps to extend the life of the manual transmission, transfer case, or manual transaxle.

Recommended every 48,000 km.
Cooling System Service

Cooling System failures are the leading cause of mechanical breakdowns on the road. Antifreeze / coolant wear out causing it to lose its protective qualities allowing corrosion and deposits to form. This build-up choke off the proper flow of the coolant and may lead to overheating, breakdowns, and costly repairs.

VPS Radiator Protector Pack + Sealer
(Part No. VP003) System Sealer, (Part No. VP004) Super Cleaner, (Part No. VP005) Super Cleaner & Protector& (Part No. VP006) Super Cleaner & Protector & Sealer

Here’s How it Works:

Step 1:
VPS Solvent - Free Radiator Super Cleaner is added and circulated through the cooling system to remove rust, scale and oily residue that cannot be removed by exchanging the coolant alone.

Step 2:
Attach cooling system service equipment to replace the old antifreeze with the appropriate new antifreeze/coolant. Add VPS Water Pump Lubricant and Protector to the new coolant. This provides additional protection against rust and corrosion. It prevents deposits that can cause boilovers, clogging and overheating.

Step 3
Top off with VPS Radiator Super Sealer to maintain optimal coolant pressure and prevent minor leaks

Benefit:
Helps extend the life of cooling system components, keeps the entire system clean, and functioning as efficiently as possible. Recommended every 48,000 km.
Engine Oil Service

Up to a half quart of used oil and sludge remain in your engine after a traditional oil change. Sludge and contaminants lead to mechanical breakdowns, premature engine failure, and costly repairs which may exceed $5,000 in costs.

VPS Oil Additive
(Part No. 571214, 11 fl. oz.)
Full Synthetic, Maximum Protection Oil Additive
• Uses premium chemistry proven to provide excellent oxidation, wear, and deposit protection
• Uses unique dual-detergent system to help maintain engine cleanliness
• Superior chemistry and protection than even industry standard API SM quality oils alone.
Recommended every 48,000 km

VPS Complete Oil System Cleaner
(Part No. VP051, 1 Gallon)
Here’s how it works:
Step 1:
Drain used oil from vehicle.
Step 2:
Add and circulate the solvent-free cleaner throughout your entire engine dissolving and removing sludge and other contaminants within minutes.
Valvoline utilizes a proprietary and unique cleaning solution to clean your engine that contains absolutely no harmful solvents.
Step 3:
Drain the cleaner containing the dissolved contaminants from the engine and change the oil filter once more.
Add your choice of Valvoline Motor Oil.
Recommended every 48,000 km

Benefit:
Helps prolong the life of the engine, increase fuel economy and improve engine performance.

VPS Top Treat Oil System Cleaner
(Part No. 806221)
Here’s how it works:
Step 1:
Add product to the existing oil in the engine
Start the engine and allow it to run at idle for at least 5 minutes (10 minutes is ideal contact time) effectively allowing the solvent-free formula to dissolve and suspend any residual sludge, deposits, and varnish in the engine.
Turn engine off, remove drain plug, and drain VPS Top Treat Oil System Cleaner and engine oil (safe to dispose with recyclable oil).
Insert drain plug securely, replace oil filter, and add new motor oil to vehicle’s recommended capacity.
Power Steering Service

Power Steering Fluid is one of the most commonly neglected fluids in a vehicle – frequently used well beyond its usable life. The extreme heat and pressure exerted on this fluid through everyday driving breaks down its performance leading to increased wear in the pumps, valves, and gears. This increased wear risks expensive steering system failures which may easily exceed $1,000 in costs.

VPS Power Steering Service Kit
(Part No. VP096)

Here’s how it works:

Step 1:
The old power steering fluid is removed from the reservoir and replaced with solvent-free VPS Power Steering Cleaner. VPS Power Steering Cleaner removes contaminants from the system including the rack and pinion, pump and lines that draining alone can not accomplish.

Step 2:
VPS Power Steering Fluid is added to the system and circulated. VPS Power Steering Fluid protects against pump breakdown caused by corrosion, wear and oxidation and prevents clogging and foaming. Reduced wear helps extend the life of the power steering system. The new fluid performs in sub-zero temperatures to optimize cold weather performance, reducing squealing and hard or inconsistent turning.

Benefit:
Provides optimal steering efficiency and helps extend the life of the power steering components. Suitable for use in ALL makes and models.

Each Kit contains one bottle of solvent-free Power Steering Cleaner (Part No. VP095, 64 fl. oz.) and one bottle of synthetic-based Power Steering Fluid (Part No. VP056, 32 fl. oz.).

Recommended every 48,000 km.
Power Steering Service

Differential / Driveline Service

Gear Oil in the Differential or Gear Box is the most commonly overlooked regularly scheduled maintenance service with vehicle manufacturer’s recommended service intervals as early as 12,000 to 24,000 km. A differential assembly may cost as much as $1,500.

Here’s how it works:

Step 1:
Add VPS Solvent-Free Differential, Transfer Case, & MT Cleaner to the gear box and drive for at least 3 miles and, where applicable, engage 4-wheel drive.

Step 2:
Evacuate the old, contaminated gear oil from the gear box using differential fluid extraction equipment.

Step 3:
VPS Full synthetic Gear Oil enriched with additives to protect against friction, wear, and corrosion, is added to the differential and filled to recommended capacity. VPS Gear Oil is specially formulated with Limited Slip additive to prevent noise and chatter from the gear box.

In the event the gearbox is a positive traction unit and used in heavy towing or other harsh conditions we recommend the addition of VPS Limited Slip Additive to further enhance limited slip performance of the rear axle.

Follow the OEM recommended service interval. Severe conditions recommend an interval as early as 4,800 to 8,000 km on some vehicles.

Benefit:
Helps increase fuel economy as well as extend the life of the Gear Box and its components.

Proper maintenance greatly improves performance and protection of the Gear Box.

VPS 75W90 Full Synthetic Gear Oil
pre-loaded with Limited Slip Additive
(Part No. 819195, 32 fl. oz.)

VPS 75W140 Full Synthetic Gear Oil
pre-loaded with Limited Slip Additive
(Part No. 819196, 32 fl. oz.)

- Full Synthetic formula enriched with a Unique Limited Slip Package
- Outstanding protection from severe hot and cold temperatures and heavy loads.
- Exceeds API GL-5, SAEJ2360 (Military spec), and MT-1 specifications
- Helps restore Fuel Economy, Horsepower, & Driveline Efficiency
- Helps to prolong Gearbox Life by Reducing Wear

VPS Limited Slip Additive
(Part No. VP011, 4 fl. oz.)
Enhanced protection and performance from noise and chatter in limited slip differentials under severe conditions such as heavy towing or high performance driving.

VPS Solvent-free Differential, Transfer Case, & MT Cleaner
(Part No. 667859, 6 fl. oz.)
A safe and effective detergent/dispersant based cleaner that quickly helps remove harmful deposits and varnish from the driveline system. Readily prepares the gear box for new fluid.
All Season Heater & A/C Odor Eliminator Service

Mold, mildew, fungi, and bacteria growing within the dark, damp evaporator of the air conditioning & heating system may make the quality of the air you breathe inside your vehicle up to 5 times worse than outside. These harmful organisms may trigger odors, allergies, and asthma symptoms for those in the vehicle.

Here's how it works:

**Step 1:**
Inject cleansing foam into the evaporator core of the air conditioning and heating system to eliminate mold, mildew, and other odor causing contaminants.

The ultra foaming action neutralizes and rids the system of these harmful contaminants as the foam breaks down and liquefies back out of the heating and A/C system.

**Step 2:**
An air intake cleaner is sprayed into the ventilation system and onto the cabin air filter to complete the entire cleaning process. A slight spearmint fragrance will be noticeable. This will dissipate after a few days leaving the system odorless.

Microscopic fungi and mildew particles enter a vehicle each time the heating or A/C system is operated. This service should be performed as needed or as general maintenance once or twice a year depending on any detectable odors and allergy sensitivity (Typically within the Autumn and Spring months).

**Benefit:**
Eliminates the hidden, odor causing elements that live within your heater and air conditioning system keeping the air you breathe while in your vehicle free of odors and harmful mold and mildew spores.

**VPS All Season Heater & A/C Odor Eliminator Kit**

- Immediately counteracts odors caused by mold, mildew, & fungus
- No A/C system disassembly or drilling required
- Effectively cleans and refreshes the entire evaporator core instantly.
- Helps reduce odor-causing micro-organisms and harmful allergens from the heater and a/c system
- Improves air quality and increases cooling system efficiency

**VPS A/C Intake Spray Odor Eliminator**

(Part No VP105, 5 oz.)

Spray contents through intake vents / air cowl while A/C system is turned on Normal and fan is on High. Switch system to Heat and evacuate remaining contents of the can into air cowl.

**VPS All Season Ultra Foam Evaporator Cleaner**

(Part No.507671, 11 oz.)

Ideal for Quick Lube operators that are looking for a service that can be done at the same time as an oil change while the customers wait in their vehicle for a fast and easy service.
Anti-Corrosion Battery Service

Corrosive build-up on the battery terminals reduces cranking capacity and shortens battery life. The anti-corrosion battery service helps restore cranking efficiency for easier starts and longer battery life.

VPS Battery Terminal Service Kit
Part No. 591833
Each Kit contains one single-use application of battery terminal cleaner and two terminal protector pads (fits both side and top mounted posts)

Here's how it works:

Step 1:
Disconnect battery cables. Open the single-use application (8.0cc) of anti-corrosion battery cleaner and apply to battery terminals or wherever corrosive build-up has accumulated on the battery housing. Let set for 1 to 3 minutes to neutralize completely then wipe away.

Step 2:
Apply battery terminal protector pads (red for positive & blue for negative)
• For top terminal batteries use protector pads as they come in package.
• For side terminal batteries take out the inner ring of perforation from protector pad prior to installation.

Reattach battery cables to their original / respective terminals

This service should be performed along with every new battery installation or upon noticeable accumulation of corrosion on one or both battery terminals on a previously installed battery.

Benefit:
• Instantly neutralizes and eliminates accumulated corrosive elements
• Helps extend battery life
• Provides increased cranking efficiency
Brake Service

Over time, brake fluid can become contaminated, which can lead to early failure of brake components. Moisture absorbed by the brake fluid causes brakes to feel soft, spongy, or not work properly. Instead of simply bleeding the brakes, this service replaces the entire system with new brake fluid in half the time of the bleeding procedure. This service helps prevent sluggish brake response and extend the life of brake components, which may exceed $1,000 in replacement costs.

VPS DOT 4 Brake Fluid
(Part No 608334, 48 fl. oz.)
- Maximizes ABS performance
- Valvoline brake fluid exceeds the U.S. Department of Transportation specifications for both DOT 3 and DOT 4 brake fluids.
- Removes contaminants and moisture from your brake system that can cause brake failure.
- Premium-dry formula ensures the least possible amount of moisture is introduced into the ABS system.
- The bleeder valve dust covers help reduce the chance of a stuck or clogged bleeder that may add significant cost and time to the next service.

Recommended every 2 years or 38,000 km.

VPS Stop Squeal
(Part No. VP101, 1 fl. oz.)
- Eliminates brake squeal at the surface between brake pads and rotors or brake shoes and drum.
- Effective on all makes and all models
- Does not damage or harm brakes.
- Anti-Squeal Lifetime Protection

VPS Non-Chlorinated Premium Auto Part Cleaner
(Part No 544775, 13 oz.)
- Eliminates Brake Squeal & Chatter
- Ideal as a Brake Cleaner, Carb & Choke Cleaner, & Throttle Body Cleaner
- No other product cleans brakes better or faster
- Fast drying – leaves no residue
- Low Odor – turbo jet nozzle
- Not for sale in California
**Restoration Service Kit & Mini-Tune Maintenance Kit**

The VPS Restoration Service & Mini-Tune Maintenance Kit are a quick and easy way to restore performance and provide long-lasting protection for vehicles that have not been properly maintained. These services consist of products that revitalize a vehicle’s vital components – engine, fuel system, transmission, and cooling system (VP089) or Engine & Fuel System (666727). No equipment or training is needed. Simply pour in each product.

**Restoration Service Kit** contains one bottle each of VPS Oil Additive, VPS Transmission Protector, Conditioner & Sealer, VPS Water Pump Lubricant & Protector and VPS Super Concentrated Fuel Injector Cleaner. **Mini-Tune Maintenance Kit** contains one bottle each of VPS Oil Additive and VPS Super Concentrated Fuel Injector Cleaner.

**Restoration Service Kit**

Contains:
- **Engine:** VPS Top Treat Oil System Cleaner
  - 100% Solvent Free Chemistry
  - Cleans in just 10 minutes without any tools or equipment necessary
  - Dissolves and removes sludge, deposits, and varnish

**Fuel System:** VPS Super Concentrated Fuel Injector Cleaner
- Cleans fuel injectors, intake valves, ports and carburetors
- Eliminates rough idle and hesitation caused by deposits
- Helps restore acceleration, power and fuel economy

**Transmission:** VPS Transmission Protector, Conditioner & Sealer
- Conditions transmission seals to help prevent leaks
- Increases protection against wear and high temperature breakdown
- Helps enhance the life of the transmission

**Cooling System:** VPS Water Pump Lubricant & Protector
- Lubricates the water pump to help extend the life of the cooling system
- Protects against rust and corrosion
- Helps prevent engine boil-over in the summer and freeze-up in the winter

**Mini-Tune Maintenance Kit**

Contains:
- **Engine:** VPS Top Treat Oil System Cleaner
  - 100% Solvent Free Chemistry
  - Cleans in just 10 minutes without any tools or equipment necessary
  - Dissolves and removes sludge, deposits, and varnish

**Fuel System:** VPS Super Concentrated Fuel Injector Cleaner
- Cleans fuel injectors, intake valves, ports and carburetors
- Eliminates rough idle and hesitation caused by deposits
- Helps restore acceleration, power and fuel economy
Support Materials

Take Away Cards
Take Away Cards are a great way to assist your customer on the value of the service after they have left your facility. This point of sale material is specifically designed for the scenario where the decision maker is not present at the time of the purchase decision. Simply provide the Take Away Card, associated with the service that has been recommended, to the customer to take home for the decision maker to review. The intent will be to have your customer prepared with an educated decision to proceed with the service upon their next visit to your facility.
The Flip Chart, Countermat, Fluid Sample Trays & Dip Strips are excellent education tools each are designed to enhance the customer experience and assist store personnel with communicating the need and value of these services.

- **Flip Chart:** contains information on services that effect 10 different systems of a vehicle all in one convenient piece. Currently available in English and Spanish and easily translatable to many languages.
- **Countermat:** easily displays information on the 5 essential components in a durable piece displayed on a desktop or countertop.
- **Fluid Sample Trays:** comparing a vehicle’s existing fluid to new fluid is an excellent way to start a conversation about a possible need for a service. Any recommendation of services must be based on mileage, driving conditions and time since last service performed. However, fluid color is a useful tool in starting a conversation with your customer.
- **Dip Strips**