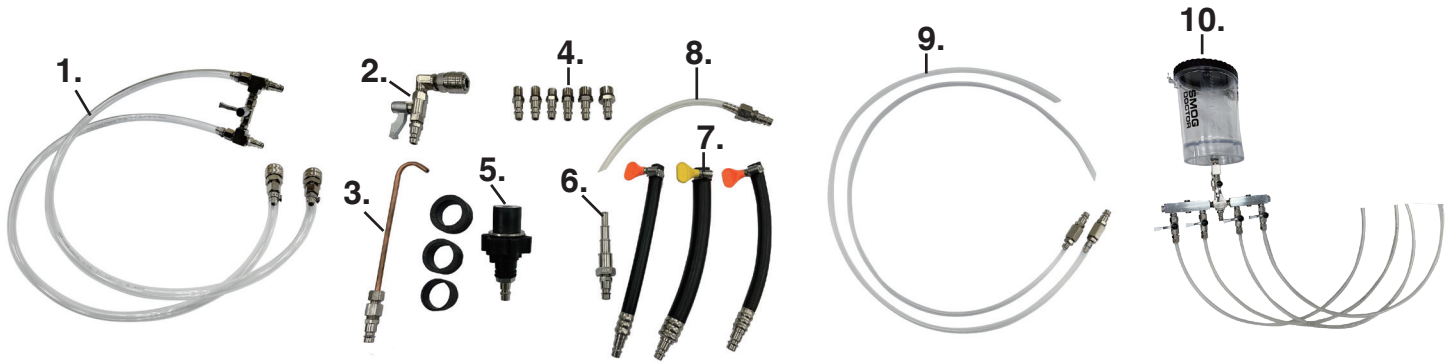




Multi Flo V Machine with Combustion Chamber Cleaning Set (VB-M1)



ACCESSORIES



No.	Description	Function
1.	H Type Hose PU Ø12.6 mm x Ø9.5 mm	To do flush on the ATF system
2.	90 degree adapter with valve	To connect the hoses of the machine into the vehicle on difficult angles
3.	Copper U shape tube	Hook the oil pan drain hole and extract dirty remaining oil
4.	Engine oil pan adapters M12 x P1.25 M12 x P1.5 M12 x P1.75 M14 x P1.5 M16 x P1.5 M18 x P1.5	To be connected to the vehicle's engine oil pan (oil drain plug location) and connect the machine via a hose, the machine will extract dirty oil from the vehicle.
5.	Universal adapter with three rubber rings for different dimensions Ø35 x Ø20 mm Ø39.5 x Ø20 mm Ø44 x Ø20 mm	To be connected to the vehicle's engine oil filler neck, to be able to connect the pressure hose of the machine to refill fluid for the flush service
6.	ATF Step adapter	To be able to connect the machine into the ATF inlet/outlet pipes
7.	ATF hose connectors with clamp 5/16" 3/8" 1/2"	To be able to connect the machine into the ATF inlet/outlet pipes
8.	Short suction/pressure hose PU Ø6 mm x Ø8 mm x 15 cm	For easier suctioning/filling fluids in small amounts
9.	Teflon tubes Ø8 mm x Ø6 mm x 110 cm Ø6 mm x Ø4 mm x 110 cm	Remove vehicle's dipstick, and insert this tube instead (be sure to insert the same length as the dipstick), and connect it to the machine's suction hose, this is to suction the engine oil or ATF from the dipstick.
10.	Combustion Chamber Cleaning Kit (for Gasoline engines only)	

I. FEATURES

- » Active flush work with an integrated flush chamber with stainless-steel filter cleans engine oil line sludge and contaminants.
- » Two 2 liters transparent tanks provide easy comparison between old and new fluid.
- » One 2 liters tank for combustion chamber cleaning.
- » Two 20-liter tanks (one for drained oil, one for new fluid).
- » Complete set of accessories for a wide vehicle application.
- » Spacious compartment for tools/adapters storage.
- » Heavy duty wheels with lock and handles on both sides.
- » Adjustable height of the hose holder hook.
- » With LED lights for a better sight of the workflow.

Functions:

- » Combustion Chamber Cleaning (Only gasoline engines) (Engine Off)
- » Engine Oil Flush (Gasoline and Diesel engines) (engine on)
- » ATF Flush & Exchange
- » CVT Flush & Exchange
- » DCT/DSG Flush & Exchange

II. CAUTION

- » Always read completely the instruction manual before working.
- » Always wear eye protection that meets OSHA and ANSI Z87.1 standards.
- » Always wear hand gloves when working with the tool.
- » Ensure the work area has adequate lighting.
- » Keep children and unauthorized persons away from the work area.
- » Keep the work area clean and tidy and free from unrelated materials.
- » DO NOT allow untrained persons to use the kit.

III. HOW TO USE

Cleaning Combustion Chamber (Works only in gasoline engines)

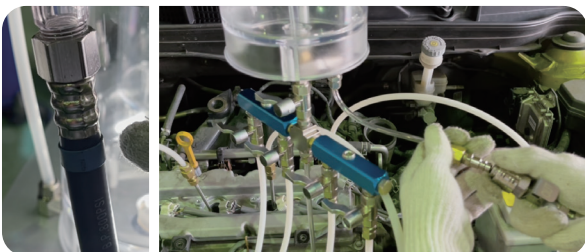
1. Connect the machine into an electrical socket or 12V battery depending on the version you purchased.
2. Connect the shop's air supply into the machine and open the valve.
3. Remove the engine cover (if applies), then proceed to remove the injectors and spark plugs from the engine (enumerate them from 1 to 4 to avoid reinstalling them in the wrong position).
4. Level the cylinders to be at the same level in a lower position.
5. Use a videoscope to take photos and videos of the condition of the combustion chamber before doing the work.



6. Hook the 2 liters tank for combustion chamber cleaning, under the hood of the vehicle.



7. Put each of the metal sticks of the 2 liters tank into the spark plug hole, be sure they are all at the almost same level.



8. Grab the blue hose from the machine and connect it into the PU hose from the 2 liters tank.

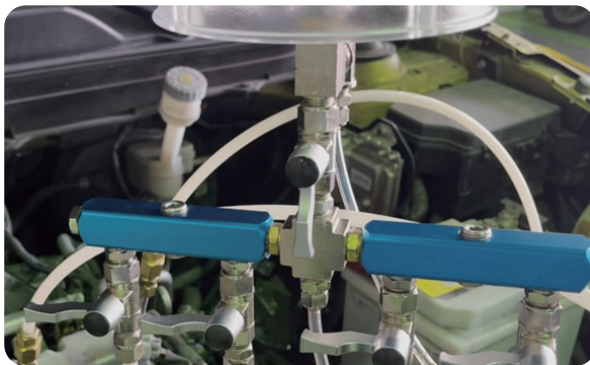
III. HOW TO USE



9. Grab the green hose and connect it into the PU hose that is coming from the 4-valve section.



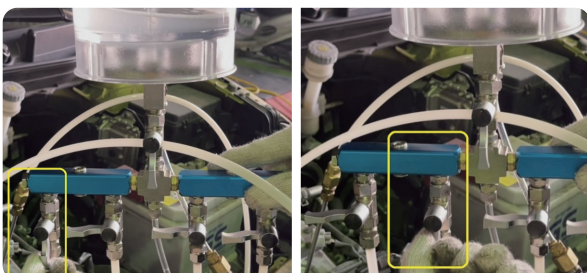
10. Prepare a bottle of vb68w (Combustion Chamber Cleaner), then open the 2 liters tank and fill 250ml into the tank, then close the tank.



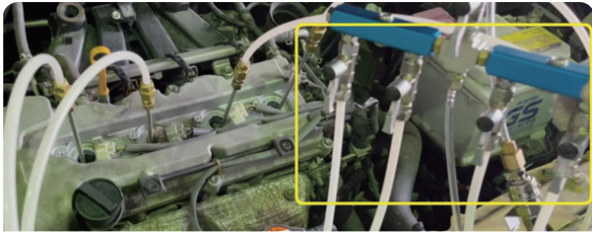
11. Proceed to open the main valve of the tank.



12. Then move the oil shower/pressure knob from the machine into "ON".



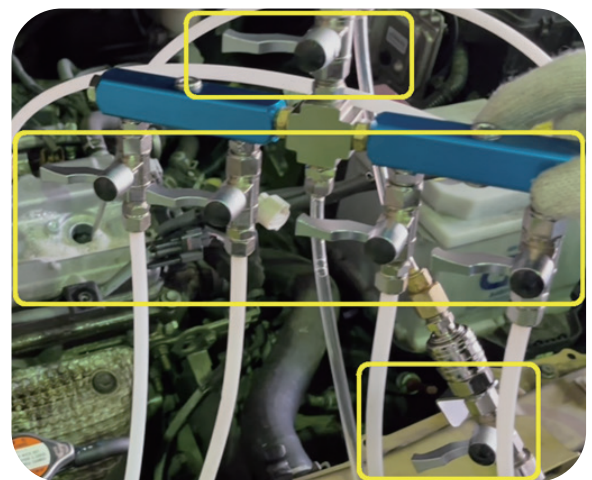
13. Proceed to open the first valve of the sticks and close it once 60ml of chemical is sent into the spark plug hole, then close it, and proceed on doing the same with the other 3 valves until there is no chemical in the 2 liters tank.



14. Wait for 5 minutes so the chemical has enough time to dissolve the carbon deposits, then open all 4 valves from the 2 liters tank, and leave them open for 5 more minutes, bubbles will come out from the spark plug holes, if the bubbles get too much, clean them with a cloth or towel.



15. After 5 minutes pass, close the oil shower/ pressure knob from the machine.



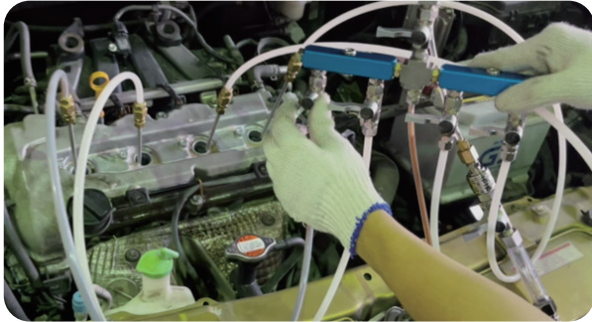
16. Proceed to close all the 5 valves from the 2 liters tank (the main valve, plus the 4 valves for the sticks) and the valve from the blue hose.



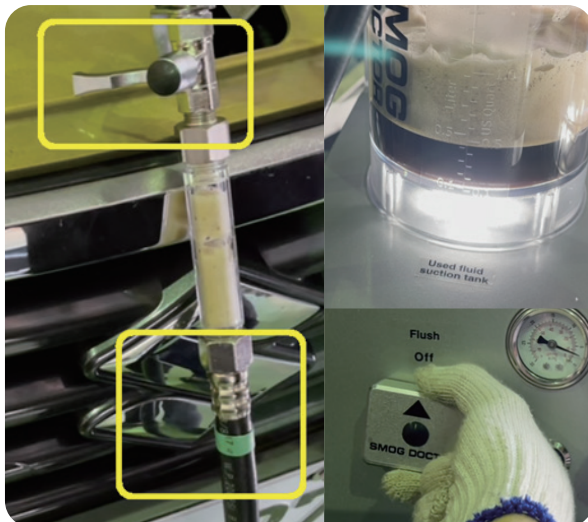
17. Then open the valve from the green hose.



18. Proceed to turn on the flush/suction knob of the machine.



19. Then open the 1st valve of the sticks, it will start suctioning the dirt from the combustion chamber, manipulate the stick to try to reach every section inside so can suction more dirt, once no more dirt is being suctioned close the valve of that stick, then continue with the 2nd valve and so on until finishing all 4 valves.



20. Once all 4 valves are finished, close the valve from the green hose and then close the flush/suction knob of the machine, you can check the machine's tank for used fluid will have all the dirt extracted from the combustion chamber.



21. Repeat the process of cleaning the combustion chamber and show the client all the dirt that has been extracted from the combustion chamber, also use the video scope to take pictures and videos after doing the work to show the client the results.



22. Disconnect the green hose from the 2 liters tank for combustion chamber cleaning, then the blue hose, followed by removing the sticks from the spark plug holes, then unmount the tank from the hood.

23. Grab an air gun and a cloth or towel, then proceed to blow air into the spark plug holes, put the towel/cloth on top, this will blow out the remaining dirt, and the cloth/towel will avoid it to be sprayed to you.

24. After blowing air into the 4 spark plug holes, install the vehicle parts back again.
25. Combustion chamber cleaning process done.

Engine Flush (Works on both gasoline and diesel engines)

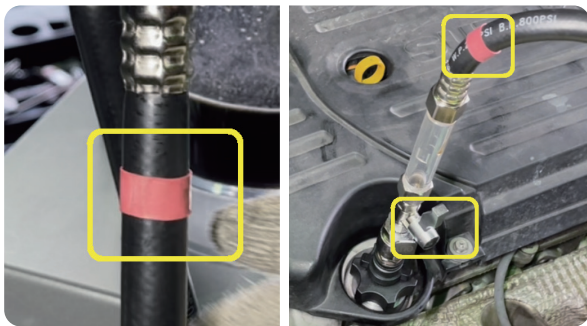


1. Remove the stainless-steel filter from the machine and show it to the car owner (also take pictures and videos), to prove that it is completely clean.

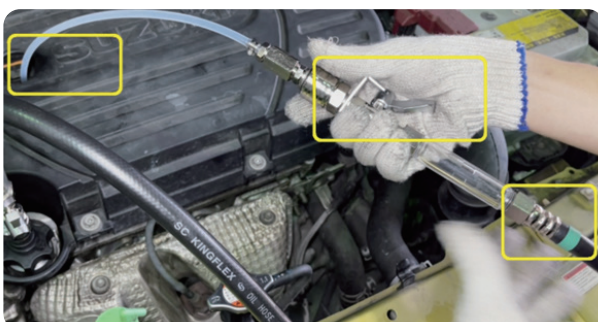


2. Pour 250ml of vb35 all systems cleaner into the engine (through the engine oil filler neck).

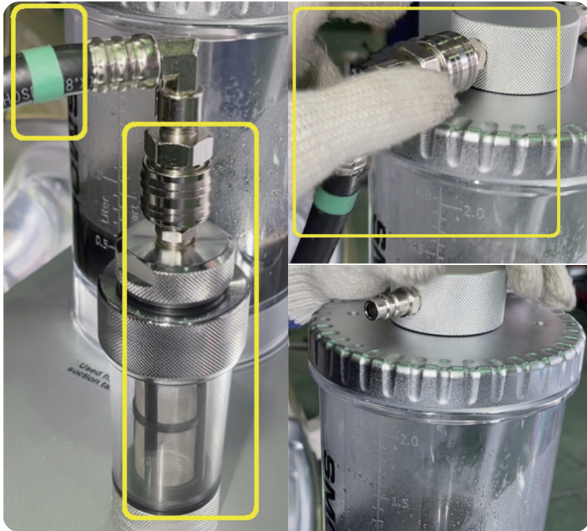
3. Install the adapter provided with the machine into the oil filler neck of the engine.



4. Grab the red hose from the machine and install it into the adapter and open its valve.



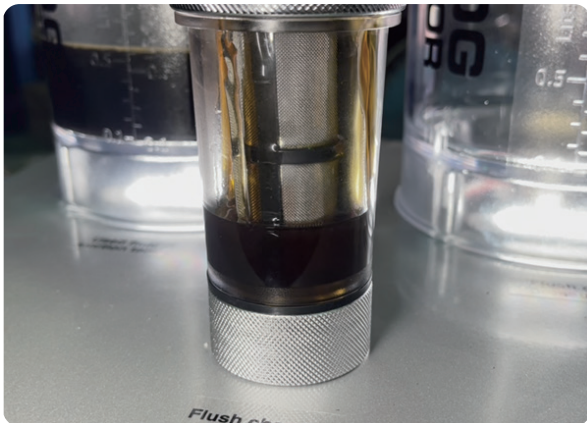
5. Remove the engine oil dipstick from the car, grab the most suitable Teflon tube from the machine, and insert it into the engine oil dipstick hole (has to introduce the same length as the dipstick), then grab the green hose from the machine and connect it into the Teflon tube, then open its valve.



6. The other side of the green hose (which is connected into the used fluid tank of the machine), disconnect it from there, and connect it into the filtering chamber.



7. Turn on the button of the flush/suction section, this will start the flush function on the machine, the machine will suction from the oil dipstick the old oil along with the vb35, the pass through the flushing chamber (which has a stainless-steel filter), then go back to the engine through the oil filter neck.



After you see the machine is suctioning/refilling, need to turn on the vehicle and leave it idle, this flush process needs to last around 20-25 minutes.

vb35 will dissolve the sludge inside the system into very small particles so it can be drained easier and faster, will eliminate the water/moisture/humidity in the system, will also create protective layers on the metal parts to make them last longer, will repair the surface of the 3rd piston ring, will repair the rubber sealings of the valves by helping them to recover their original size.



8. After the 20-25 minutes of engine flush has passed, turn off the vehicle, then pull a little bit the Teflon tube (so it will stop suctioning oil from the vehicle, and will finish suctioning the oil remaining in the machine's hoses).



9. When there is no more oil being refilled through the oil filler neck, turn off the button from the flush/suction section of the machine.



10. Remove the green hose from the flush chamber and connect it into the 2 liters tank for used fluid.



Then remove the stainless-steel filter from the machine and show the vehicle owner all the big chunks of sludge that the vb35 helped to dissolve and that the filter kept them, avoiding them getting back to the vehicle. (Clean the filter with a cloth for its next service).

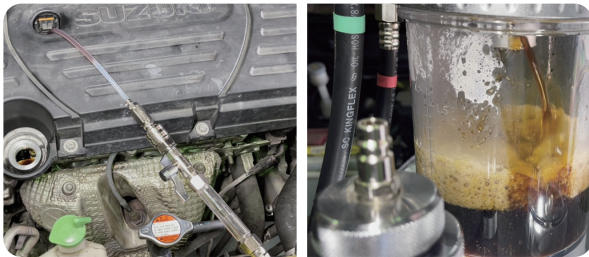


11. If you have used fluid inside the 2 liters tank for used fluid, open the drain valve in the rear of the machine, so it can be drained into the 20 liters tank for drained oil. After draining all the oil, close the valve.

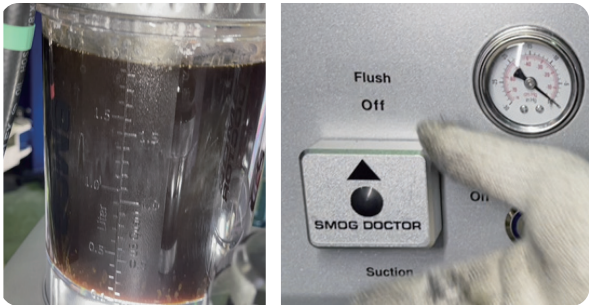


12. Proceed to disconnect the red hose from the adapter connected into the oil filter neck, followed by removing the adapter.

13. Push the Teflon tube inside the engine oil dipstick hole.



14. Turn on the flush/suction knob of the machine, the machine will start suctioning the oil from the vehicle.



15. When the tank is almost full, turn off the flush / suction knob of the machine.

16. Proceed by opening the drain valve on the rear of the machine, to make space on the used fluid tank, and then suction again the oil from the vehicle using the machine and repeat the process until no more oil is being suctioned out.

17. After no more oil is being suctioned out, turn off the machine flush/suction valve, then remove the Teflon tube from the vehicle and install the engine oil dipstick back.

18. Then proceed on changing the engine oil filter and refilling new engine oil into the vehicle.

19. Work done.