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INSTRUCTIONS:

THE HV-FLEX SINGLE-POINT FLUID EXTRACTOR IS DESIGNED TO BE USED ALONG WITH A RESERVOIR TYPE VACUUM PUMP. THE SOLE PURPOSE FOR THE TOOL IS TO EXTRACT FLUIDS SUCH AS ENGINE OIL, DIESEL FUEL AND HYDRAULIC FLUIDS FROM SPIN-ON FILTERS PRIOR TO REMOVAL. THE TOOL IS NOT INTENDED FOR USE ON GASOLINE FILTERS!

FOR FOUR-STROKE ENGINES, DRAIN OR EVACUATE OIL FIRST FROM THE SUMP PAN. BY DOING SO, THE SPIN-ON FILTER WILL NOW BE VENTED THROUGH THE EMPTY SUMP PAN. WHILE THE OIL IS BEING DRAINED OR EVACUATED THROUGH THE DIPSTICK TUBE, THE TOOL CAN BE HAND TIGHTENED AROUND THE SPIN-ON FILTER, BY TURNING THE BLACK ELONGATED KNOB IN A CLOCK-WISE DIRECTION. MAKE SURE THAT THE TOOL IS POSITIONED SO THAT THE PIERCING VALVE BODY "O" RING CREATES A TIGHT VACUUM SEAL AGAINST THE ROUND SURFACE OF THE FILTER. AT THIS POINT, THE BLACK PIERCING PIN KNOB CAN BE TURNED CLOCKWISE UNTIL IT STOPS, WITHOUT ANY OIL RUNNING OUT. WHEN READY TO EXTRACT THE FILTER OIL, ATTACH THE VACUUM PUMP'S SEMI-RIGID SUCTION TUBE TO ONE END OF THE ENCLOSED CLEAR FLEXIBLE TUBE AND THE OTHER END TO THE BARBED NIPPLE ON THE TOOL. NOW, TURN THE BLACK PIERCING PIN KNOB COUNTER-CLOCKWISE UNTIL IT STOPS. APPLY VACUUM UNTIL YOU DON'T SEE ANYMORE OIL BEING DRAWN THROUGH THE TUBE. AT THIS POINT, THE SUCTION TUBE CAN BE REMOVED FROM THE TOOL AND THEN, THE TOOL FROM THE FILTER. THE OLD FILTER CAN NOW BE REMOVED BY UTILIZING A FILTER WRENCH (NOT INCLUDED) AND THEN REPLACED WITH A NEW ONE.

SHOULD YOU HAVE ANY QUESTIONS, FEEL FREE TO CALL OR EMAIL ME ANYTIME.

HAPPY OIL FILTER EXTRACTION,

Wayne A. Swanson



President, Design Engineer