THE EARLY 911 USED A MECHANICAL PIERBURG PUMP TO SUPPLY THE SOLEX 40 PI CARBS WITH FUEL. AN ELECTRICAL BENDIX PUMP TAKES THE FUEL FROM THE TANK TO THE FLOAT BOWLS ON THE INTAKE MANIFOLDS. FROM THAT POINT THE PIERBURG PUMPS THE FUEL FROM THE BOWLS TO THE SIX INDIVIDUAL CARBS. OF COURSE PIERBURG DID NOT EXPECT US TO BE USING THESE PUMPS SIXTY YEARS LATER. SOME WORK WILL BE REQUIRED TO MAKE SURE THAT THE FUEL WILL ACTUALLY GET TO WHERE IT NEEDS TO GO!

911 Resto Strip_™

Pierburg pump overhaul (also worth a read for 912 owners)





JORIS SCHWEITZER

OVERH FUEL WHICH I LIFE IS EASIE ONE T SAT FO TIME. V. HE ZA STA CORPO OF CL AND A GASKE

OVERHAULING A FUEL PUMP WHICH HAS BEEN USED ALL OF ITS LIFE IS USUALLY EASIER THAN ONE THAT HAS SAT FOR A LONG TIME. WITH TIME THE ZAMAK WILL START TO CORRODE. A BIT OF CLEANING AND A FEW NEW GASKETS WON'T CUT IT.

DATE CODES CAN BE FOUND STAMPED ON THE HOUSING OF THE PUMP.

> THE PUSH ROD IN THE MOUNTING FLANGE MOVES UP AND DOWN WHICH PUSHES TWO LEVERS THAT ACTUATE THE PUMP DIAPHARGMS. THE TWO VALVES IN THE TOP HALF OF THE PUMP HOUSING MAKE SURE THAT FUEL IS SUCKED IN WHEN THE DIAPHRAGM MOVES DOWN AND PUMPED OUT WHEN THE DIAPHRAGM COMES UP.



THE VE INCA THE SA ESURE

THE PUMP HOUSING ABOVE IS IN VERY GOOD CONDITION. THE INLET VALVE SEATS AND SHUTS NICELY ON THE PUMP HOUSING. THE OTHER PUMP HAS NOT BEEN SO LUCKY. CORROSION HAS EATEN AWAY THE SEALING SURFACE. LET'S SEE IF WE CAN FIX IT!

THE LEVERS THAT MOVE THE DIAPHRAGM UP AND DOWN RUN ON HARDENED STEEL SHAFTS. EITHER THIS PUMP HAS SEEN MANY MILES OR SOME SERIOUS RESISTANCE :(. 912 OWNERS TAKE NOTES. THE 912 USED A PIERBURG PUMP WITH LARGELY THE SAME PRINCIPLE. A SINGLE PUMP IS USED INSTEAD OF THIS DOUBLE PUMP. THE PUSH ROD FOR THE 912 PUMP IS DIRECTLY CONNECTED TO THE DIAPHRAGM.



