

HOW TO REPAIR A TRIM SOLENOID IF THE COIL IS GOOD.

VOLT METER
ON 0.2MS

TO SEE IF THE COIL IS GOOD - PUT VOLT METER LEADS ON THE BIG STUDS AS THESE ARE YOUR CONTACTS. PLACE 12VDC ACROSS THE SMALL STUDS AS THESE ARE YOUR COIL LEADS. IF THE SOLENOID CLICKS THEN YOUR COIL IS GOOD. YOUR VOLT METER SHOULD READ A DEAD SHORT (.3 - .2 OHMS). IF YOU DON'T READ A DEAD SHORT, THEN YOUR CONTACTS ARE DIRTY OR ARCED. TO REPAIR IT - GRIND THE RIVETS OFF OF THE BASE. REMOVE THE RIVETS AND PLACE THE SOLENOID IN A VISE, BASE UP. CAREFULLY PRY BASE OFF. YOU WILL BE LOOKING AT THE BASE OF THE COIL. YOU WILL SEE TWO WIRES SOLDERED TOGETHER ON EACH SIDE. REMOVE THE SOLDER WITH A SOLDERING IRON. AS YOU ARE HEATING THE SOLDER, CAREFULLY UNTWIST THE WIRES WITH A SMALL PAIR OF NEEDLE NOSE PLIERS. WHEN THE WIRES ARE APART, EASE THE COIL OUT. MARK THE COIL SO YOU WILL KNOW THE WAY IT CAME OUT. I PUT A BLACK MARK ON THE COIL + THE WIRE ON ONE SIDE. DO NOT PULL ON THE WIRES LEFT IN THE HOUSING. INSIDE THE COIL IS THE PLUNGER. UNDER THE PLUNGER IS A PLATE. UNDER THE PLATE IS THE CONTACTS AND A SPRING. REMOVE THE CONTACTS + SPRING. WITH FINE GRET EMORY CLOTH, CLEAN BOTH SETS OF CONTACTS, THE ONES YOU REMOVED AND THE STATIONARY ONES INSIDE THE HOUSING. PUT IT BACK TOGETHER THE WAY IT CAME APART. PLACE A SMALL AMOUNT OF SILICONE ON THE GASKET BETWEEN THE BASE AND HOUSING. I USED 10-32 SCREWS + NUTS TO PUT IT BACK TOGETHER. CHECK THE SOLENOID USING THE ABOVE METHOD.

