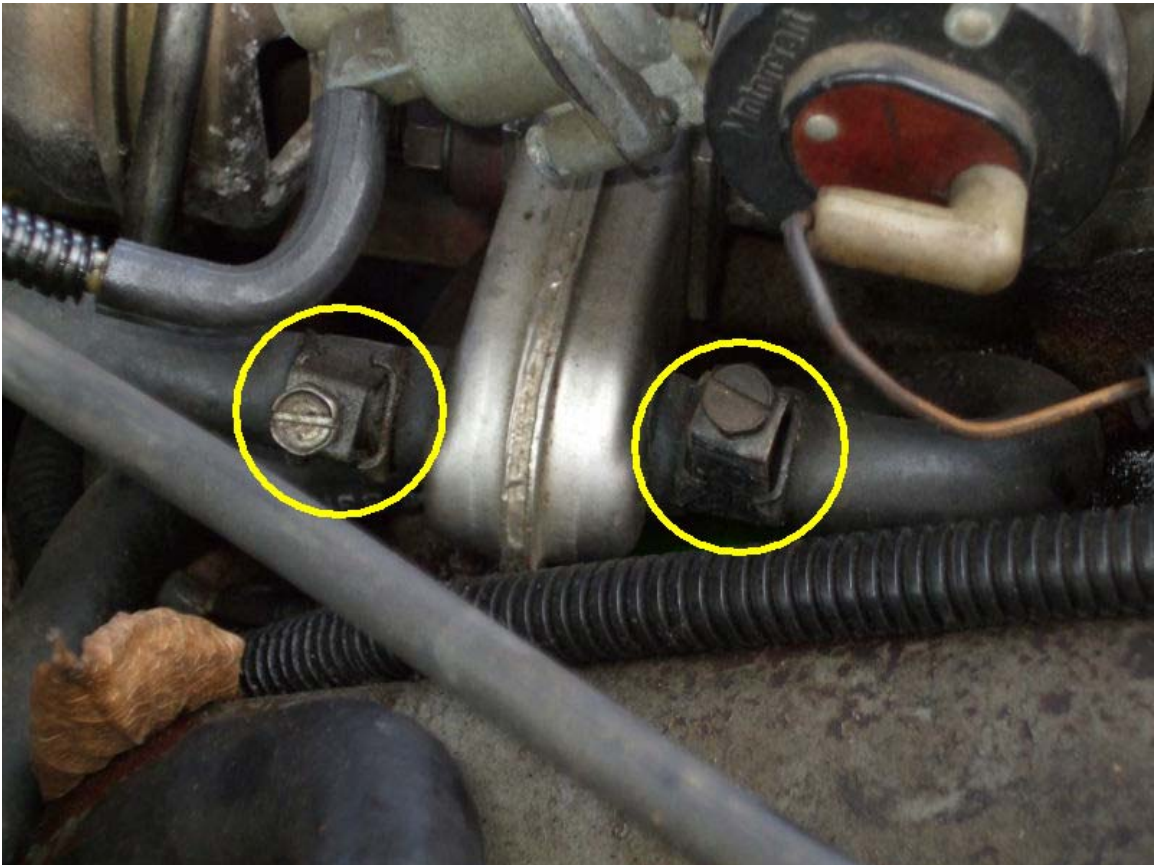


Lincoln Mark VII 1984 CFI EGR Cooler Hose Repair

The Exhaust Gas Recirculating (EGR) System on our Central Fuel Injected (CFI) Mark VII's, have a sandwich type cooler. Utilizing engine coolant, this aluminum device is quite efficient for it's size. It is often removed or disconnected by owners living in areas that do not require EGR equipment on their vehicles. This article was written due to finding anti-freeze sitting on top of the lower intake manifold, and then finding the cooler's hoses were worn and brittle at the ends. Though hose replacement is best, the quick fix is shown below.



I located the hose connections and loosened them several turns. I removed the hose from the cooler with the clamp attached to the hose.



I cut the hose just below where the clamp was connected and removed the second hose. Most of the time that I find a leaky hose, is due to where the clamp has been rubbing it for the past ten years <g>.



I installed new clamps on the newly cut ends of the hoses. The new clamps are installed loose so that the hose can be properly installed fully covering the cooler ends.



I installed the hoses on the cooler, making sure to move them fully onto the cooler ends. I positioned the hose clamps over the middle of the cooler end and tightened. I did not tighten the clamps to a diameter smaller than 75% of the original hose. Tight is good. Crimped is bad.

