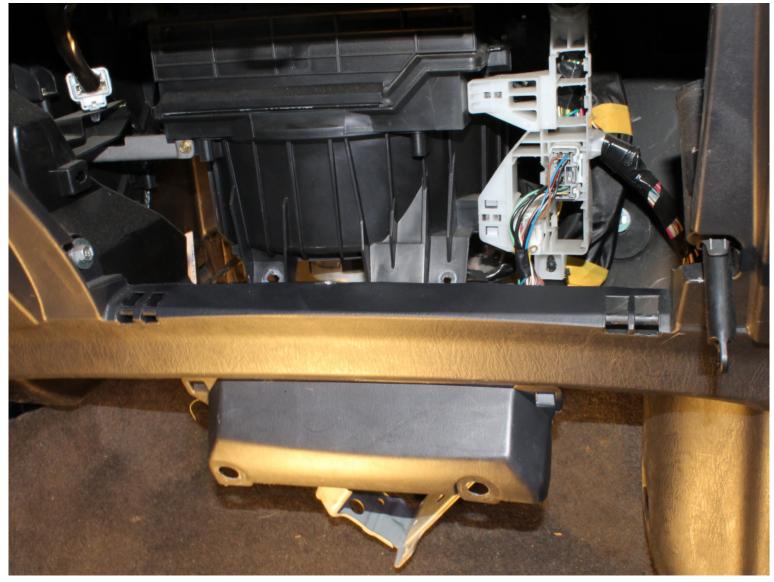
2007 Pontiac Vibe ECM (Engine Control Module) PCM (Powertrain Control Module) Replacement

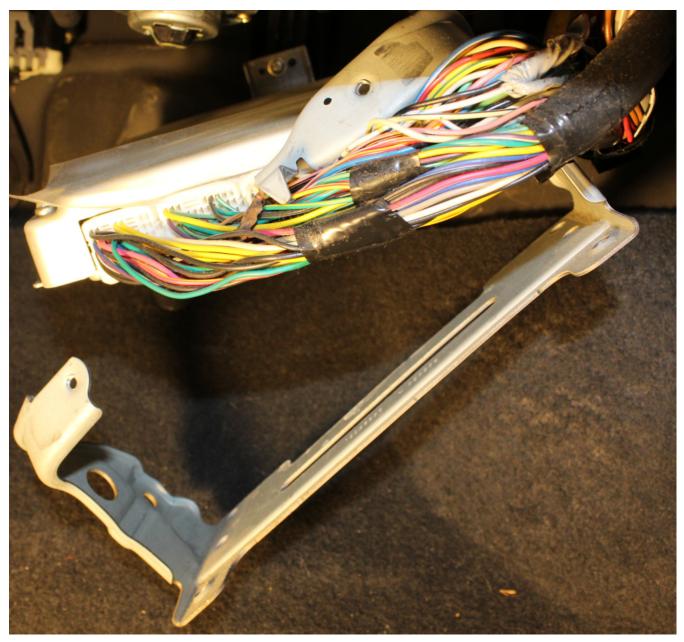


Whole Aspect

OBDII scan showed errors related to O2 sensor malfunction.

However, I concluded that ECU itself had malfunction based on the various trials and inspections.

After the ECU replacement without replacing O2 sensors, Vibe recovered the vivid run.



ECM Removing



Connector on ECU

Connector



Old ECU & New ECU

Regularly, VIN (Vehicle Identification Number) is not stored on a new ECU.

It results in OBDII (On-Board Diagnostics 2) scan error and check engine light turns on.

Smog check does not accept automobiles with OBDII scan error nowadays.

Tech Stream (diagnostic tool for Toyota vehicles) successfully wrote (programmed) VIN although mechanics at Pontiac dealership requested to pay \$180 for such simple VIN programming.

2007 Matrix 1ZZ-FE	Utility Select Select desired Util AF/02 Sensor Op	Нер	VIN Write
5Y2SL67	Customize		
Trouble Codes		Welcome to Vehicle Identification Number (VIN)	The following VIN has been written correctly.
Data List		Utility. This function is used to input a VIN into the	t
Active Test		ECM/PCM.	
Moritor		Select the desired function, then press Next,	
Dual Data List)	⊂ VIN Read	5Y2SL67
		C VIN Write	
TIS Keyword	<introduction> This function is u</introduction>	Exit	The previous DTCs were erased while completing the VIN Write function.

Writing VIN by Tech Stream