

rules.txt

ALL ECU'S BELOW, ARE PREFIXED WITH 33920-- (all are)
The ECU, is the engine controller unit. in 1997 it became the power train module.
in 1989/90 it is a fuel only system (stand alone spark distributor, is used)
Starting in 1991 they added spark to he ECU funtion.
The 1989 to 1995 ECU are notorious for blowing out the large capacitors inside.
The 1996 and newer almost never fail. (a rare dead injector)
The newer ECU's 97,Suzuki moved the TCM(tranny brain) a nd renamed it PCM.
Do not mix up years.
Many years, the EGR evolved radically, DO not mix EGR years.
Do not mix Fed models with California models.
Do not put a M/T tranny into any A/T car and expect A/T to work at all 4sp or TCC
lockup clutch on the 3speed.
THE A/t ECU WILL START AND RUN A M/t ENGINE, BUT MAY HAVE TROUBLES Idling proper..
THE A/T park pin may not work right with a clutch. (can be fooled for sure)
Do not mix generational ECU's 89/90 , 91-95 , or 96-98 .
Night and day differences by generation.
Do not mix 8v and 16v, truely a hopeless idea if ever.
The ECU can vary by , Country "smog" and parts related, year, Tranny type, 2wd/4wd ,
door count, and engine type, (8v/16v)etc.
Putting a 2door light body ECU on some 4doors, the full power maybe limited.
Yes the ECU is tuned by weight of car body on some years.
IF you mix EGR years Fed/Cal you may get code DTC 53 DTC 53 (for 2 reasons)
53 can also be, the ECU detecting that iself is bad.(memory corruption)
53 can mean the EGR main thermoprobe is missing. or that the ECU Calif. ground pin
is open, yes, some 8v ECU have and extra ground just to signify its a California
body.
16v only:
The 92 cars have no IAT, The IAT was added in 1993 just on calif cars only, then
all cars 16v 94 and newer. So the open ground at ECT/TPS,EGR causes all 3 to fail at
once but not a 92 car IAT failure..

89/90 are NO spark ECU's (injection ONLY)

all are 8valve

Ref.No.	Part No.	Description	QTY/doors		Remarks
			C	V	
1-1	33920-60A32	CONTROLLER, FUEL INJECTION	1		MT:89, 90 MODEL
1-2	33920-56B30	CONTROLLER, FUEL INJECTION	1		MT:91 MODEL
1-3	33920-60A42	CONTROLLER, FUEL INJECTION	1		AT:89, 90 MODEL
1-4	33920-56B40	CONTROLLER, FUEL INJECTION	1		AT:91 MODEL
2	02142-06127	SCREW	2		AT= auto tranny
3	33925-60A10	COVER, CONTROLLER	1		there are many 60Axx ECU's made. the last digit is revision level or smog market code
4	02142-06127	SCREW	2		
5	31850-60A10	RELAY, FUEL INJECTION	1		89, 90 MODEL
6	31850-80C10	RELAY, FUEL INJECTION	2		91 MODEL
7	02142-06088	SCREW	1		
8	33795-56B12	BRACKET, RELAY	1		91 MODEL
9	38850-60A10	RELAY, PTC	1		AT
10	33930-60A10	CONTROLLER, AUTO CRUISE		V= 4 doors C= 2 doors	W/AUTO CRUISE
11	02142-06088	SCREW			W/AUTO CRUISE
12	37370-86000	SWITCH, REAR WIPER/WASHER			JLX
13	09471-12135	BULB			JLX

ECU's

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you can not swap 60A for 56B , not at all.

EGR2= new theroprobe EGR

ECU only

C= 2 doors

QTY

MT means manual tranny

Ref.No.	Part No.	Description	C	V = 4doors	Remarks
1-1	33920-56B30	CONTROLLER, FUEL INJECTION	1	0	MT:92,93 MODEL 8V
1-2	33920-56B51	CONTROLLER, 56 means 8valve	1	0	Fed MT:E3: 8 VALVE:94,95 MODEL
1-3	33920-58B90	CONTROLLER, 58 means 16valves EGR2	1	0	Calif MT:E33:16 VALVE:94 MODEL
1-4	33920-70EA0	CONTROLLER, the new EGR2 for Cal/Fed	1	0	Fed MT: 16 VALVE:95 MODEL AT= auto tranny
1-5	33920-56B40	CONTROLLER,	1	0	AT:92,93 MODEL 8Valve
1-6	33920-56B61	CONTROLLER,	1	0	AT:E3: 8 VALVE:94,95 MODEL
1-7	33920-59B30	Calif CONTROLLER, 58B00 is fed version Calif	1	0	EGR2 AT:E33:16 VALVE:94 MODEL
1-8	33920-70EB0	CONTROLLER,	1	0	AT: 16 VALVE:95 MODEL EGR2
1-9	33920-58B30	CONTROLLER, early EGR is vacuum type -	1	No IAT	MT:E3:92,93 MODEL 16v
1-10	33920-58B10	CONTROLLER, First 16v IAT introduced	1	calif	MT:E33:92 MODEL 16v
1-11	33920-58B50	CONTROLLER,	-	1	calif MT:E33:93 MODEL 16v
1-12	33920-58B90	CONTROLLER, Cal/fed?	-	1	MT:94 MODEL EGR2 16v
1-13	33920-70EA0	CONTROLLER, new EGR, and Cal/Fed	-	1	MT:95 MODEL EGR2 16v
1-14	33920-58B40	CONTROLLER, No IAT -	-	1	fed AT:E3:92,93 MODEL 16v
1-15	33920-58B20	CONTROLLER, First IAT introduced	1	calif	AT:E33:92 MODEL 16v
1-16	33920-58B60	CONTROLLER,	-	1	calif AT:E33:93 MODEL 16v

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1992 to 1995 All ECUs' E33= california E03- FED USA E28 = Canada

Ref.No.	Part No.	Description	QTY C	V		Remarks
1-17	33920-58B00	CONTROLLER, FUEL INJECTION	-	1	FED	AT:94 MODEL EGR2
1-18	33920-70EC0	CONTROLLER, FUEL INJECTION	-	1	fed	AT:E3:95 MODEL EGR2
1-19	33920-70EC0	CONTROLLER, FUEL INJECTION	-	1	Calif	AT:E33:2WD:95 MODEL EGR2
1-20	33920-70ED0	CONTROLLER, FUEL INJECTION	-	1	Calif	AT:E33:4WD:95 MODEL EGR2
EGR2= new thermoprobe		If probe is missing DTC 53s			AT= auto tranny	