DONE	Pinout obd0	Color	Function	obd1	notes	Additional wires jumper
V	A1	BRN	INJ1	A1		
V	A2	BLK1	GRD	A23	via C211 to engine	BLK 9
V	A3	RED	INJ2	A3		
V	A4	BLK2	GRD	A24	via C211 to engine	
V	A5	LT BLU	INJ3	A5		
	A6 missing		EVAP PURGE Cut-off	A20		
V	A7	YEL	INJ4	A2		
	A8 missing		VTEC Spool	A4	To add for future swap	PURPLE 1
	A9 GAP	х	Х		х	
	A10 missing					
V	A11	BLU/YEL	EACV	A9		
V	A12	GRN/BLK	12v+ Fuel Pump IGP1	A7		
V	A13	YEL/BLK1	12v+ switched IGP2	A25		RED 8
V	A14	GRN/BLK	12v+ Fuel Pump IGP1	A8		
V	A15	YEL/BLK2	12v+ switched IGP2	B1		PINK 6
V	A16	BRN/BLK	GND	A26	via C210 to engine	BRN 5
	A17	x	Х		Х	
V	A18	BLK/RED	GND	B2	via C210 to engine	BLK 7

'A' conr	ector (White)	1			1		~		1				
]					
N/C	A15 Yel/Blk +12V Switched IGP1	A13 Yel/Blk +12V Switched IGP1	A11 Blu/Yel Air control value EACV (IAC)	GAP	A7 Yel Injector INJ4	A5 Lt Blu Injecto INJ3	A3 Red Injector INJ2	A1 Brown Injector INJ1			Nº B	No. 6 No	2
A18 Blk/Re GND LG1	A16 d Bro/Blk GND LG1	A14 Grn/Blk Fuel pump FLR	A12 Grn/Blk Fuel pump FLR	A 10 Green Purge valve PC8	A8 Green VTXC Spoo VTS	N/C	A4 Black GND PG1	A2 Black GND PG1			No.7 N TO IGN. 1 (D BAT ④
C 211	C 211 TO ST. SWITCH B H 1 C 200 (A25, B1) TO ST. SWITCH B H 1 C 200 (A25, B1) TO ST. SWITCH B H 1 C 200 (A25, B1) TO ST. SWITCH B H 2 C 200 (A25, B1) TO S												
					-								
Does the	ECU get batter	y voltage at EC	CU pins A7, A8,	A25, and B1	?								
ECU gro	unds: How are y	ou testing whe	ther A24 provid	es ground?	Based on t	he diagra	im below, A	A23 and A24	provide re	edundant	grounds c	on the ECU.	
Does you	ir test say that A	23 but not A24	is providing gro	und?		6							
ON(II) Ve	ersus ON(III) and	the fuel pump	o: When you tur	n the key to	ON(II), the	fuel pum	p primes to	or 2 seconds	and then	turns OFI	- .		
	PFF because the	ECU does not r	eceive an "engin	e is turning s	ignal from	the crank	angle sens	sor in the dis	ridutor.				
Therefor	e, when you turr	n the key to Of	N(III), the fuel pl	imp runs for	as long as	the key i	s held in O	N(III)					
because	the ECU receive	es an "engine i	is turning signal	from the cr	ank angle s	sensor in	the distribu	utor.					
I wonder	ed whether the f	uel pump rem	ains on with the	key is in ON	۱(III)		1						
because	this would tell yo	ou whether the	e ECU is receivir	ng the signal	from the c	rank angi	e sensor.						
D6	GREY		PRES SWITCH										
A17	GREEN	IAR											
D3	ORANGE	KNOK	SENS										
D14	WHITE												
A6	BLUE	02 GR											

DONE	obd0	Color	Functio	on		obd1	notes			Jumper	
V	B1	WHT/GRN	Hazzaro	l +12 Back	kup	D1	IGP2				
Х	B2	BLUE	Fast idle	e air count	rol valve	?	Not conne	cted to e	cu		
V	B3	YEL	AC Clut	ch Relay		A15	A/C remov	/ed			
Х	B4	Missing	Radiato	r Fan Rela	iy	A12					
Х	B5	Missing	VTEC o	il pressure	switch	D6					
V	B6	GRN/ORN	CEL Light			A13					
Х	B7	Х	x x				Х				
V	B8	BLU/RED	AC Swit	ch		B5	check inpu	ut / to clu	tch switch	***	
Х	B9	x x				Х					
V	B10	ORN	CRANK	+		B15					
Х	B11	Missing Rear Defogger				C405					
V	B12	WHT1 CRANK-			B16						
V	B13	BLU/WHT 12V+ at start!			B9	C407 BLK	/WHT ST	F on PGMFI Re	lays!		
V	B14	BLU	BLU Alternator FR Charge sig			D9	C167				
V	B15	WHT2	IGNITO	R with B17	7	A21				10v	5.5v
V	B16	YEL/RED	VSS		_	B10					
V	B17	WHT3	IGNITO	R with B15	5	A21				10v	5.5v
X	B18	Х	X		_		X				
X	B19	X	Knock/E	LD		D3 / D10	D.				
V	B20	BRN	Ima sen	sor			Disconnec	ted			
19 White Knock Sensor	B17 White Ignitor ICM	B15 B1 White Bl Ignitor + ICM st ST	13 u/Wht 12V at art TS	Bl1 Black Rear Demister	R C	NXC	85 BIV/BIK VTE pressure VTP	B3 Yellow A/C Clutch ACC	B1 Wht/Grn +12V always VBU		
B20 BRN IMA	N ^c	B16 B3 Yel/Red B1 Speed A1 sensor A1 VSS	L4 ue ternator _TC	B12 White Dist Crank-	B10 ORNG Dist Crank+	B8 Blue/Red A/C switch ACS	B6 Grn/Orge Check light MIL	X	B2 BLUE Fast idle air countrol valve		
Notes:											

PW0 and	PW0 and P30 don't have ALT Control on OBD0 and ODB1 Alternator!								
To Do:	Check B10 & C16	6 combination							
	Check B19 ELD a	at engine wiring side							
*** CAN I	USE IT FOR SEC	ONDARY MAP?							

											Jumper	
DONE	obd	0 Col	or	Functi	on		obd1	notes				
V	C1	BLU	J/GRN	CYL+			B11					
V	C2	BLU	J/YEL	CYL-			B12					
V	C3	OR	N/BLU	TDC+			B13					
V	C4	WH	T/BLU	TDC-			B14					
V	C5	REI	D/YEL	TA Sen	sor IAT		D15					
V	C6	REI	D/WHT	ECT Se	ensor TW		D13					
V	C7	REI	D/BLU1	TPS Se	ensor Signal		D11					
	C 8	Mis	sing	O2 sen	sor 2							
V	C9	RED/WHT PA sensor signal		Х	p28 shoul	d have internal F	PA sensor	*				
	C10	Mis	Missing Break switch / Break light		D2	What does	s it do?					
V	C11	WH	WHT1 MAP Sensor Signal			D17						
V	C12	GR	GRN/WHT2 TPS/ ECT sensor ground		D22	C151 GR	N at sensor side	/ 02 GND				
V	C13	YEL	EL/WHT TPS Sensor 5v		D20							
V	C14	GR	N/WHT	MAP S	ensor GND		D21					
V	C15	YEL	_/RED	MAP S	ensor 5V		D19					
V	C16	BR	Ν	Diagno	stic Port		D4				YELLOW	3
			1					1007860/	T			
C15			C1	1	C9	C7		C5	C3	C1		
MAP+	ea	rei/wht	e vvn	lite	PA	Red/E	siue	Red/ Yel	Orange/Blue	Blue/Grn		
VCC1	N	VCC2	MA	P	Pressure	TPS		Air Temp	Dist TDC+	Dist CYL+		
C16		C14	C1	2	010 /	80	/	C6	C4	C2		
BRW	C	Grn/Wh	t Gri	n/Wht	GrivWht	Red/E	Blue	Red/Wht	Wht/Blu	Blu/Yel		
SERV.		MAP-	Sei	nsor	Brake	×+		Water T	Dist TDC-	Dist CVI -		
	SG1		GN	D SG2		r #		Water		DISCUL		
				2								
	CON		<u> </u>									

Pin	Color	Function	OBD1	OBD0	Notes Function
1	WHT				
2	GRY	NA	NA	NA	output/input
3	YEL	TIMING ADJ Service	D4	B20	
4	ORN	KNOCK	D3		
5	BRN	GND logic	A26	A16	VSS Ground
6	PNK	12V IGP2	B1	A15	VSS Power
7	BLK	GND logic	B2	A18	
8	RED	12V IGP1	A25	A13	O2 Power
9	BLK	GND Power Ground	A23	A2	
10	GRN	IAB / B18	A17		
11	BLU	PH 02 Heater Control	A6		O2 Heater
12	PUR	VTEC SPOOL	A4	A8	
ECU inputs			Input signal		
B5	AC switch		GND		
B8	PS Switch		12V		
D2	Brake light		12V		
D6	VTP		GND		
D4	Service Check		GND		
Wideband inpu	t				
D10	ELD		0/5v		
ECU outputs	for non vtec ECU	s and Boost Control			
A4	Vtec Solenoid				
A12	Fan Control				
A15	AC Control				
A16	ALT Control				
A20	Purge Valve				
D18	Interlock Control				
4Wire o2			Bosch Color	Jumper	
D14	O2 input signal	Existing o2 WHT2	Black		

D22	O2 Sensor Ground	Existing C151 GRN	Grey		
A25	Heater	RED 8	White		
A6	Heater Control	BLU 11	White		
VSS	Wire color	Function	Wired to		
1	YEL/BLU	12v IGP2	6 PNK		
2	BLK	GND	5 BRN		
3	YEL/WHT	VSS Signal	B10 YEL/RED		
			-		
			~		
Oxygen S	ensor Heater (A6)	Oxygen Senso	-		
Orven S	ensor Power (425)				
and a start	Ci 1 (514)				
Oxygen S	ensor Signal (D14)				
Oxygen Se	ensor Ground (D22)				

0 - ECU - Faulty ECU or ECU	J ROM Di	agnostic F	Proceedur	<u>e</u>
1 - O2A - Oxygen sensor #1				
2 - O2B - Oxygen sensor #2				
3 - MAP - manifold absolute	pressure	sensor		
4 - CKP - crank position sens	sor			
5 - MAP - manifold absolute	pressure	sensor		
6 - ECT - water temperature	sensor			
7 - TPS - throttle position sei	nsor			
8 - TDC - top dead centre se	ensor			
9 - CYP - cylinder sensor				
<u> 10 - IAT - intake air tempera</u>	ture sense	or Diagnos	stic Proce	edure
11 - engine overheating				
12 - EGR - exhaust gas recir	culation li	ft valve		
13 - BARO - atmospheric pre	essure se	nsor		
14 - IAC (EACV) - idle air coi	ntrol valve	;		
15 - Ignition output signal				
16 - Fuel injectors				
17 - VSS - vehicle speed ser	nsor			
19 - Automatic transmission	lockup co	ntrol valve	9	
20 - ELD - Electrical load def	tector			
21 - VTEC spool solenoid va	lve			
22 - VTEC pressure valve				
23 - Knock sensor				
30 - Automatic transmission	A signal			
31 - Automatic transmission	B signal			
36 - Traction control found o	n some Jl	DM ecu's		
38 - Secondary VTEC solend	oid on JDN	M 3 stage	D15B Vte	c ECUs (P2J)
41 - Primary oxygen sensor	heater			
43 - Fuel supply system				
45 - Fuel system too rich or	lean			
48 - LAF - lean air fuel senso	or			
54 - CKF - crank fluctuation	sensor			
58 - TDC sensor #2				
61 - Primary oxygen sensor				

63 - Secondary oxygen sens	or circuit							
65 - Secondary oxygen sensor heater wire (black wires)								
67 - Catalytic Converter								
71 - random misfire cylinder	1							
72 - random misfire cylinder	2							
73 - random misfire cylinder								
74 - random misfire cylinder	4							
80 - EGR Valve/Line								
86 - ECT sensor - Cooling S	ystem							
91 - Fuel Tank pressure sensor								
92 - EVAP Solenoid/Valve/Va	cuum Lin	es						

A1-INJ1 INJECTOR#1 Brown, Battery Voltage with KOEO									
A2-INJ4 INJECTOR#4 Yellow, Battery Voltage with KOEO									
A3-INJ2 INJECTOR#2 Red, Battery Voltage with KOEO									
A4-VTS VTEC solenoid GRN/YEL, n/a									
A5-INJ3 INJECTOR#3 Blue, Battery Voltage with KOEO									
A6-PO2SHTC O2 sensor heating element Org/Wht, Battery Voltage with KOEO									
A7-FLR1 fuel pump Grn/BLK, Battery Voltage with KOEO									
A8-empty A7 and A8 have the same circurt, so they can be the same									
A9-IACV IAC valve Blk/Blu, About 10v KOEO on Warm engine									
A10-empty									
A11-EGR Control Solenoid Valve (if the ECU has it) Red, n/a									
A12-FANC engine coolant temp switch Blu/red, n/a									
A13-MIL MIL (check engine light) Blu/wht, n/a									
A14-empty									
A15-ACC (a/c compressor clutch) Red/Blu, n/a									
A16-ALT C alternator Wht/Grn, n/a									
A17-IAB IAB Solenoid Pink, n/a									
A18-Org/Red, Transmission Control Module (A/T), n/a									
A19-White, Intake control solenoid, Battery Voltage with KOEO									
A20-PCS EVAP purge control solenoid Red/Grn, n/a									
A21-ICM Yel/Grn, Ignition Control Module output signal, About 10V KOEO									
A22-Igniter, same as A21									
A23-PG1 ground Black, Power ground, less than 1V									
A24-PG2 ground same as A23									
A25-IGP2 to main relay and to ground Yel/blk, Battery positive from Main relay, Battery Voltage with KOEO									
A26-LG1 gound Blk/red, less than 1V									
B1-IGP2 to pin A25 Yel/Blk, Battery positive from Main relay, Battery Voltage with KOEO									
B2-LG2 ground to shields for CYP & TDC Brown/Blk, <1V									
B3-Orange, upshift/downshift comparative input, n/a									
B4-Pink, upshift/downshift comparative input, n/a									
B5-ACS a/c switch Blu/Blk, a/c input, ~5V with KOEO & A/C off; <1V KOER with A/C & blower on									
B6-empty									
B7-Light green, Park/Neutral switch (A/T), <1V in Park or Neutral with KOEO; 5V in Park or neutral with KOER; Battery voltage in all othe									

B8-PSPSW PSP switch Red/Green, Power steering oil pressure switch, 0V KOEO; Battery Voltage KOER While slowly turning steering wh									
B9-STARTER SIGNAL starter signal Blue/red, Battery Voltage in the START position (clutch depressed on M/T models)									
B10-VSS vehicle speed sensor Orange, Pulses 0-12V while turning the left front wheel									
B11-CYP P CYP(#1 piston position) -P Orange, CYP sensor input, n/a									
B12-CYP M CYP -M White, CYP sensor signal, n/a									
B13-TDC P TDC(top dead ceter) -P Org/Blue, TDC sensor input, n/a									
B14-TDC M TDC -M Wht/Blue, TDC sensor signal, n/a									
315-CKP P CKP(crank position) -P Blu/Green, CKP Sensor input, n/a									
316-CKP M CKP -M Blu/yel, CKP Sensor signal, n/a									
D1-VBU Back Up Power Wht/Yel, Battery positive From battery through Fuse Box, Battery Voltage at ALL times									
D2-BKSW brake switch Grn/wht, Battery voltage at all times									
D3-KS Knock Sensor Red/Blue, n/a									
D4-SCS service check connector Brown/Wht, ~5V (M/T); ~11V (A/T)									
D5-empty D5-									
D6-VTM VTEC pressure switch Light Blue, n/a									
D7-TXD/RXD (data link connector) Light Green/Red, n/a									
D8-empty									
D9-ALT F alternator Wht/Red, Alternator Charging Signal, ~4.5V KOEO; Decreases under Electrical load (Headlights & rear defogger on)									
D10-ELD electric load detector input Grn/Blk, n/a									
D11-TPS (throttle position sensor) Signal Red/Blk, ~0.5V KOEO with throttle fully closed; ~4.5V KOEO with throttle fully open									
D12-Wht/Blk, EGR Valve Lift sensor, ~1.2V KOEO									
D13-ECT (engine coolant temp) sensor input Yel/Blu, ~5V KOEO (varies with temperature)									
D14-PHO2S O2 sensor White, heated 02 sensor Signal, 0.4-0.5V when ignition is turned on; drops to less than 0.1V within 2 minutes									
D15-IAT Intake Air Temperature sensor signal Red/Yel, .05-4.5V KOEO(Varies with temperature)									
D16-VREF (no info)									
D17-MAP Map Signal Wht/Blu, ~3V KOEO (Varies with Temperature)									
D18-Light Green/Blk, Transmission Control Module (A/T Only), n/a									
D19-Red/Wht, Reference Voltage, ~5V KOEO									
D20-Yel/Wht, Reference Voltage, ~5V KOEO									
D21-Blue/Wht, Sensor ground, <1V									
D22-Green/Wht, Sensor ground, <1V									

OBD	OBD1	Color wiring	Color Dizz	Function	OBD0	OBD1	Sensor form	pin form	Notes	
4	1	BLU/YEL	WHT	CYP G	C2	B12	6	small pin		
3	2	BLU/GRN	ORN	CYP P	C1	B11	6	small pin		
1	5	WHT1	BLU/YEL	CKP G	B12	B16	*	small pin		
2	6	ORN	BLU/GRN	CKP P	B10	B15	*	small pin		
5	4	WHT/BLU	WHT/BLU	TDC G	C4	B14	+	small pin		
6	3	ORN/BLU	ORN/BLU	TDC P	C3	B13	+	small pin		
8	8		BLU	ICM / RPM	х	х		large spade	To Gauge Cluster	
7	7	WHT3	YEL/GRN	ICM Ignititor signal	B15/B17	A21		small pin	10v key on engine off, A22 is not need	5.5v?
9	9	BLK/YEL	BLK/YEL	Ignition input (+on coil & ICM)				large spade	12v IGP2	
Cong	rats or	the fix! Does	this mean y	our ECU is bad? Did you also h	appen to check whether A23 w	vas providir	ng ground? If s	o, this might	explain why the fuel pump primed and t	the injecto
This v	would s	suggest that th	ne A24 grou	nd is specifically needed to mak	ke the injectors fire.					