2013 Hyundai Veloster L4-1.6L Turbo

Vehicle > Powertrain Management > Diagrams > Electrical (OE) > System Overview Diagram

		Control System (G4	FJ	: GA	MMA 1.6L T-GDI I	M/T) (1)							Sr `
EC	M Te	erminal Information						п						
		00 983987998554530281 30 454443421 440583987798 35 00 2988 77 98 25 5425 2221 20 115 1413 121111 9 8 7 7 8 1 5									8887888584838281807877677 6865646382616085454575955 4419422418033837383543 2221201918171161814131211			6 5 4 3 2 1
EG	GT-M	A				EG	GT-M	K						
PIN	COLOR	DESCRIPTION	PIN	COLOR	DESCRIPTION	PIN	COLOR	DESCRIPTION	PIN	COLOR	DESCRIPTION	PIN	COLOR	DESCRIPTION
1	G	Injector #3 Control (+)	31	W	Ignition Coil #3 Control	1	В	Ground	33	Gr	ATS Ground	64	L	CMPS (Exhaust) Ground
2	G	Injector #4 Control (+)	32	Gr	Ignition Coil #1 Control	2	В	Ground	34	-8	-	65	W	CMPS (Exhaust) Signal
3	В	Injector#2 Control (-)	33	L	Injector #1 Control (-)	3	В	Ground	35	Br	TPS Ground	66	250	
4	-	-	34	R	FPCV (+)	4	R	Engine Control Relay 'ON' Input	36	L	TPS.2 Signal	67	0	CKPS Ground
5	W	O2 Sensor (Up) Heater	35	0	ETC Output (-)	5	P	Memory Power	37	L	ATS Signal	68	2250	-
6	-	-	36	19	-	6	Р	Memory Power	38	-6	-	69	(4)	-
7	-	-	37	W	Knock Sensor Signal	7	0	Engine Control Relay 'ON' Input	39	L/O	TPS Supply	70	B/O	RCV Control
8	-	-	38	G	Knock Sensor Ground	8	В	O2 Sensor (Down) Ground	40	P	APS.1 Supply	71	(4)	2
9	-	-	39	0	Blower Switch (MAX. Signal) Input	9	G	APS, 1 Signal	41	L	MAP/FTPS Supply	72	G	PCSV Control
10	-	-	40	R/B	Stop Lamp Switch	10	Y/O	APS. 2 Ground	42	Br	CMPS Supply	73	(4)	
11	- 2	-	41	9	-	11	-	-	43	G	A/C Switch Input	74	Gr	O2 Sensor (Up) Nemst Voltage
12	-	-	42		-	12			44	L/B	A/C Pressure Switch (Thermo Switch)	75	R	O2 Sensor (Up) Trim Resistor
13	-	-	43	-		13	В	BVS Ground	45	G/B	APT Signal	76	L	RPS Ground
14	-	-	44	-	-	14	Gr	TPS. 1 Signal	46	R	Vehicle Speed Input	77	Br	APT Ground
15	Gr	CVVT Exhaust	45	L	CVVT Intake	15	8		47	- 51	-	78	В	MAP Sensor Ground
16	R	Injector #2 Control (+)	46	G	Ignition Coil #4 Control	16	-	e e	48	+3	-	79	Gr	IAT Signal
17	R	Injector#1 Control (+)	47	R	Ignition Coil #2 Control	17	Br/O	Fuel Tank Level Sender	49	- 50	-	80	Br	MAP Sensor Signal
18	W	Injector#3 Control (-)	48	R	Injector #4 Control (-)	18	G/W	APS. 2 Supply	50	+3		81	348	-
19	- 2	-	49	W	FPCV (-)	19	R	BVS Supply	51	20	-	82	- 32	2
20	G	O2 Sensor (Down) Heater	50	R	ETC Output (+)	20	W	APT/RPS/BPS Power	52	P	O2 Sensor (Up) Vertual Ground	83	L	IMMO. Data Line
21	-	-	51	-	-	21			53	Y	O2 Sensor (Up) Pumping Current	84	0	Not Used
22	-	-	52	-	-	22	G	Wiper Switch Input (Active High)	54	-0	-	85	W	C-CAN (High)
23	W	WTS Signal	53	L/O	Brake Test Switch	23			55	G/O	BPS Ground	86	L/O	CMPS (Intake) Ground
24	В	WTS Ground	54	-	-	24	W	Alternator (PWM)	56	-	-	87	G	CMPS (Intake) Signal
25	- 2	-	55	Br	Clutch Switch	25	8	-	57	LW	BPS Signal	88	323	-
26	Gr	FTPS Signal	56	P	ELEC. Load - Defroster	26			58	G	RPS Signal	89	L	CKPS Signal
	G/B	Fuel Pump Relay Control (W/O SMK)			(Active High)	27	-		59	- 3		90	G/B	Fuel Pump Relay Control (With S
27	G	CCV Control (With SMK)	57	G	Alternator (COM)	28			60	Gr	Start Signal Input (With Smart Key)	90	G	CCV Control (W/O SMK)
28	-		58	0	Engine RPM Output	29	Р	ON/START Input		В	Start Signal Input (W/O Smart Key)	91	323	-
29	L/O	A/C Relay Control	59	Р	Cooling Fan PWM Control	30	Gr	O2 Sensor (Down) Signal	61	Gr/B	LIN Communication	92	Br/B	WGV Control
30	-	-	60	- 9		31	Р	APS, 2 Signal	62	G	Not Used	93	W	Engine Control Relay Control
Marie Control	100		Market St.	- 7/6		32	W	APS. 1 Ground	63	Y	C-CAN (Low)	94	G	Start Relay Control (Low)