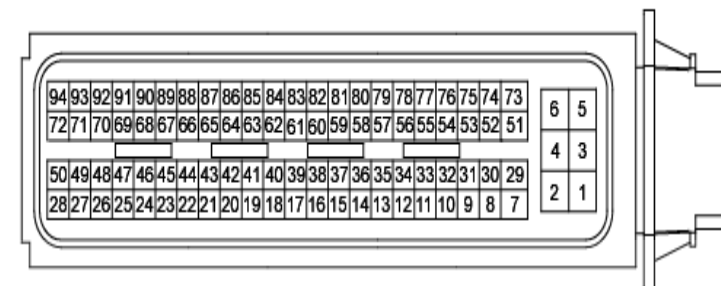
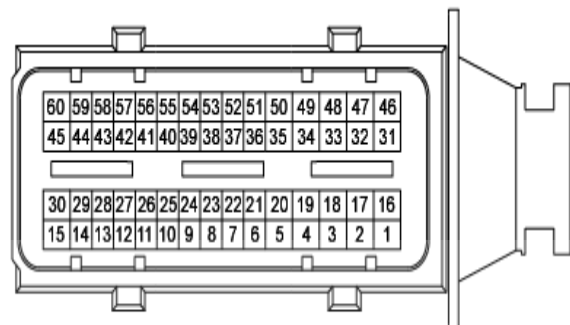


MFI Control System

MFI Control System (G4KD/G4KE : THETA II 2.0L/2.4L MPI) (1)

SD313-1

PCM Terminal Information



CHG-A

PIN	COLOR	DESCRIPTION	PIN	COLOR	DESCRIPTION
1	G	IGN CYL 1 Control (W/O SMK & IMMO.) IGN CYL 4 Control (With SMK / IMMO.)	31	R	IGN CYL 4 Control (W/O SMK & IMMO.) IGN CYL 1 Control (With SMK / IMMO.)
2	B	Ignition Coil Shield Ground	32	L	SS-B (A/T)
3	L/O	LINE_VFS (A/T)	33	Gr	SS-A (A/T)
4	Y	T/CON_VFS (A/T)	34	B	Ground (A/T)
5	G	35R_VFS (A/T)	35	B	Ground (A/T)
6	R/B	Input Speed Supply (A/T)	36	R	Down Shift (A/T)
7	W	Output Speed Supply (A/T)	37	L	Up Shift (A/T)
8	Gr	Input Speed Signal (A/T)	38	Y	Select Switch (A/T)
9	B	Output Speed Signal (A/T)	39	-	-
10	-	-	40	L	Position Switch Code - S1 (A/T)
11	-	-	41	-	-
12	-	-	42	-	-
13	O	Wiper 'P' Input	43	W	Clutch Switch
14	R	Alternator(COM)	44	L/O	Brake Test Switch
15	-	-	45	-	-
16	W	IGN CYL 3 Control (W/O SMK & IMMO.) IGN CYL 2Control (With SMK / IMMO.)	46	G	IGN CYL 2 Control (W/O SMK & IMMO.) IGN CYL 3 Control (With SMK / IMMO.)
17	W	UD_VFS (A/T)	47	R	Solenoid Power 1 (A/T)
18	Y	26_VFS (A/T)	48	P	Solenoid Power 2 (A/T)
19	B	Shift Lock Solenoid (A/T)	49	W	Memory Power (A/T)
20	O	OD_VFS (A/T)	50	B	Memory Power (A/T)
21	-	-	51	-	-
22	Gr	B/UP LP Relay(A/T)	52	-	-
23	-	-	53	L	Oil Temp. Sensor (-) (A/T)
24	B	Start Relay Control(A/T)	54	G	Oil Temp. Sensor (+) (A/T)
25	Br	Position Switch Code - S2 (A/T)	55	Br	CCP-CAN High (A/T)
26	R	Position Switch Code - S3 (A/T)	56	W	CCP-CAN Low (A/T)
27	G	Position Switch Code - S4 (A/T)	57	-	-
28	Y	Start Overrun (PDM)	58	-	-
29	G	Brake Light Switch	59	-	-
30	-	-	60	-	-

CHG-K

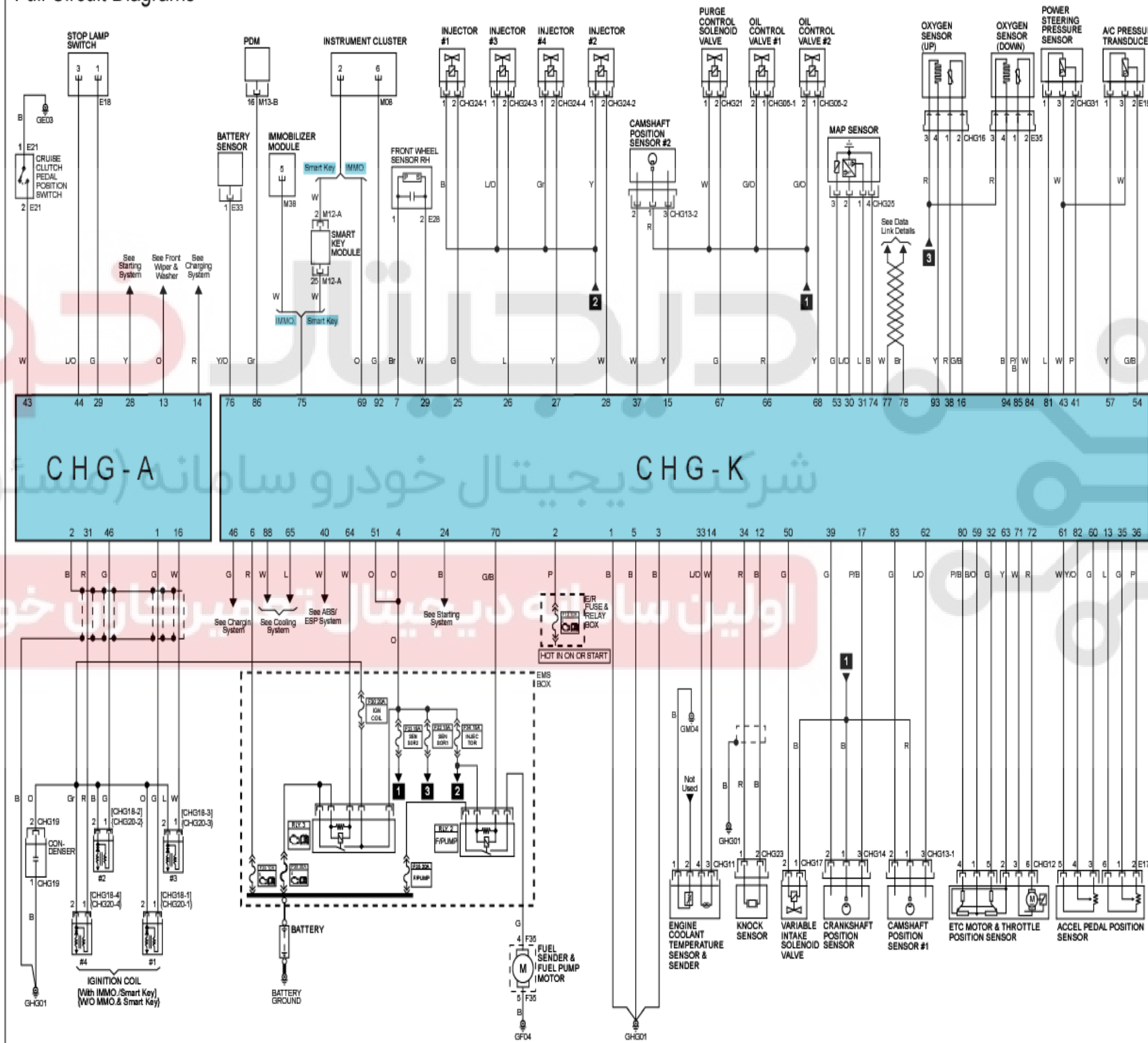
PIN	COLOR	DESCRIPTION	PIN	COLOR	DESCRIPTION	PIN	COLOR	DESCRIPTION
1	B	Ground	33	L/O	ECTS Signal	65	L	Cooling Fan Relay Control (Low)
2	P	ON/START Input	34	R	Knock Sensor Ground	66	R	CVVT Actuator Control Signal 1
3	B	Ground	35	G/O	APS. 2 Signal	67	G	PCSV Control
4	O	Engine Control Relay 'ON' Input	36	P	APS. 2 Supply	68	Y	CVVT Actuator Control Signal 2
5	B	Ground	37	W	CMPS #2 Ground	69	O	IMMO. IND.
6	R	Memory Power	38	R	O2 Sensor (Up) Signal	70	G/B	Fuel Pump Relay Control
7	Br	Wheel Speed Sensor (+)	39	G	CKPS Ground	71	W	ETC DC Motor 1
8	-	-	40	W	Vehicle Speed Input	72	R	ETC DC Motor 2
9	-	-	41	P	Power Steering Sensor Signal	73	-	-
10	-	-	42	-	-	74	B	TMAP/TMAF Sensor Ground
11	-	-	43	W	APT Sensor Supply	75	L	IMMO. Data Line
12	B	Knock Sensor Signal	44	-	-	76	Y/O	LIN/Diagnostic Data Line
13	L	APS. 2 Ground	45	-	-	77	W	C-CAN High
14	W	ECTS Ground	46	G	Alternator (COM)	78	Br	C-CAN Low
15	Y	CMPS #2 Signal	47	-	-	79	-	-
16	G/B	O2 Sensor (Up) Ground	48	-	-	80	P/B	TPS. 1 Signal
17	P/B	CKPS Signal	49	-	-	81	L	Power Steering Sensor Ground
18	-	-	50	G	VIS Control	82	Y/O	APS. 1 Signal
19	-	-	51	O	Engine Control Relay 'ON' Input	83	G	CMPS #1 Ground
20	-	-	52	-	-	84	W	O2 Sensor (Down) Signal
21	-	-	53	G	IAT Sensor	85	P/B	O2 Sensor (Down) Ground
22	-	-	54	G/B	APT Sensor Signal	86	Gr	Engine Speed Signal
23	-	-	55	-	-	87	-	-
24	B	Start Overrun (GND)	56	-	-	88	W	Cooling Fan Relay Control (High)
25	G	Injector #1 Control	57	Y	APT Sensor Ground	89	-	-
26	L	Injector #3 Control	58	-	-	90	-	-
27	Y	Injector #4 Control	59	B/O	TPS Ground	91	-	-
28	W	Injector #2 Control	60	G	APS. 1 Supply	92	G	MIL. IND.
29	W	Wheel Speed Sensor (-)	61	W	APS. 1 Ground	93	Y	O2 Sensor (Up) Heater
30	L/O	MAP Sensor Supply	62	L/O	CMPS #1 Signal	94	L	O2 Sensor (Down) Heater
31	L	MAFMAP Sensor Signal	63	Y	TPS Supply			
32	G	TPS. 2 Signal	64	W	Engine Control Relay Control			

MFI Control System

MFI Control System (G4KD/G4KE : THETA II 2.0L/2.4L MPI) (2)

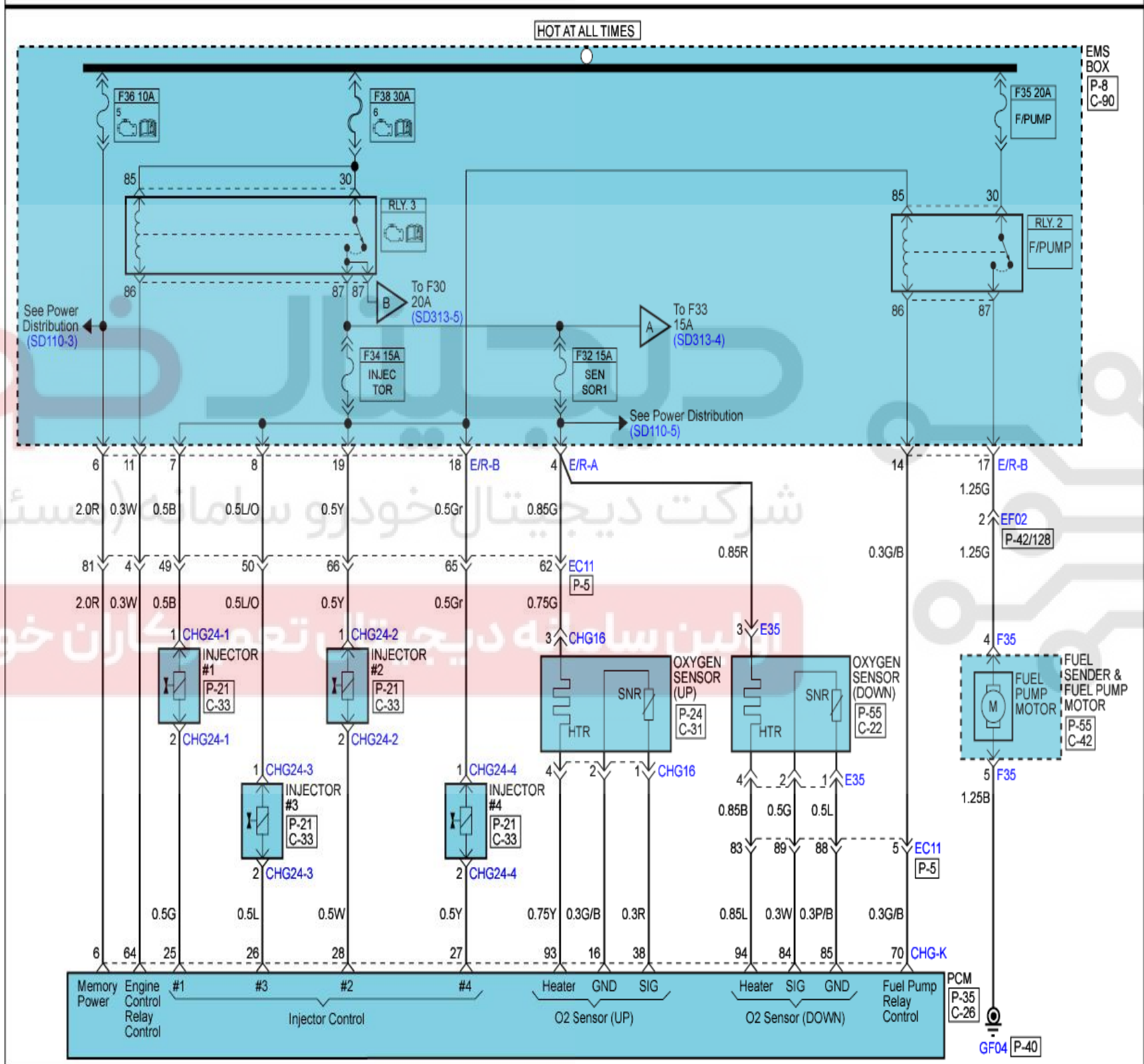
SD313-2

Full Circuit Diagrams



MFI Control System

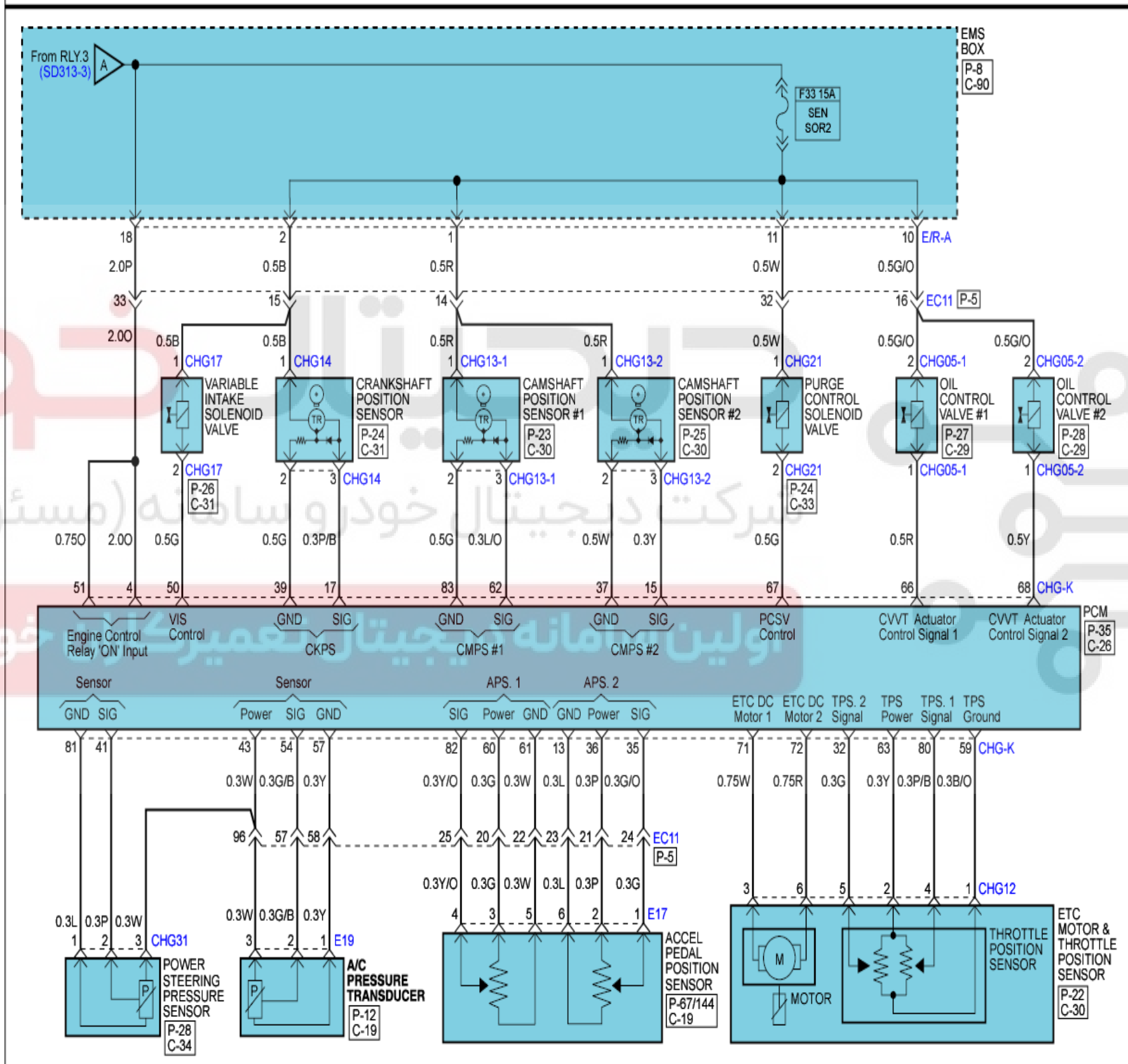
MFI Control System (G4KD/G4KE : THETA II 2.0L/2.4L MPI) (3) SD313-3



MFI Control System

MFI Control System (G4KD/G4KE : THETA II 2.0L/2.4L MPI) (4)

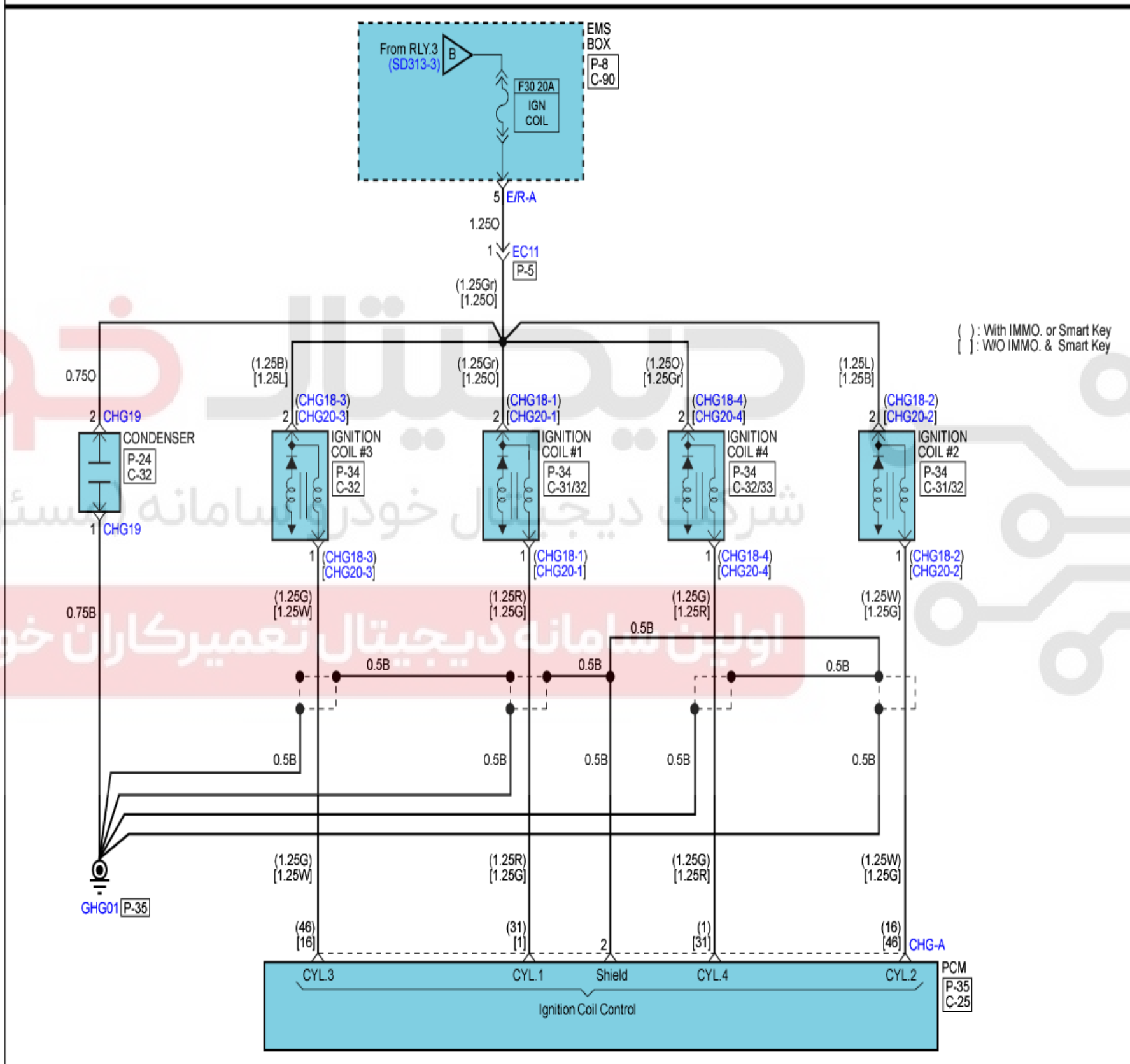
SD313-4



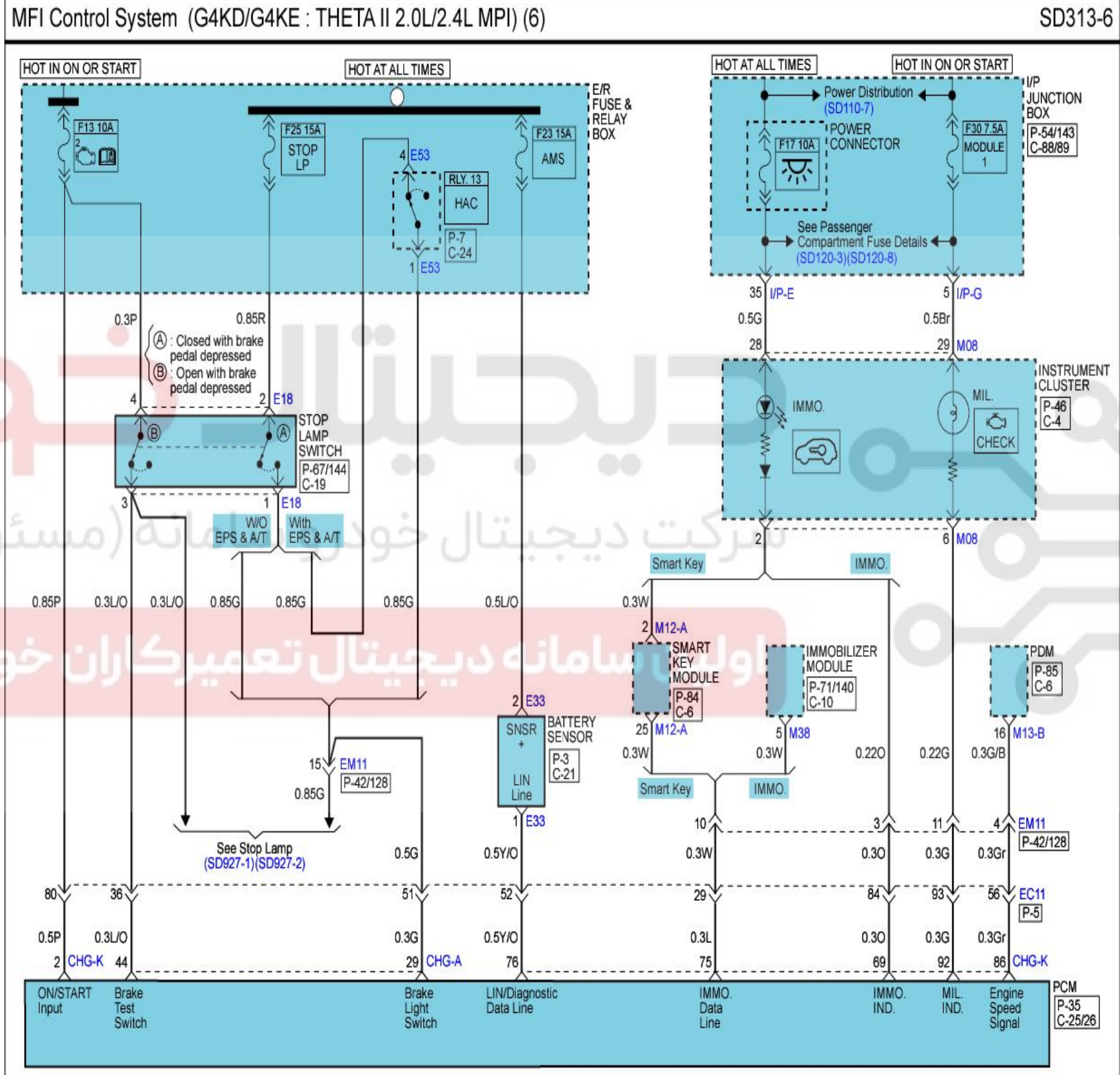
MFI Control System

MFI Control System (G4KD/G4KE : THETA II 2.0L/2.4L MPI) (5)

SD313-5



MFI Control System



MFI Control System

MFI Control System (G4KD/G4KE : THETA II 2.0L/2.4L MPI) (7)

SD313-7

