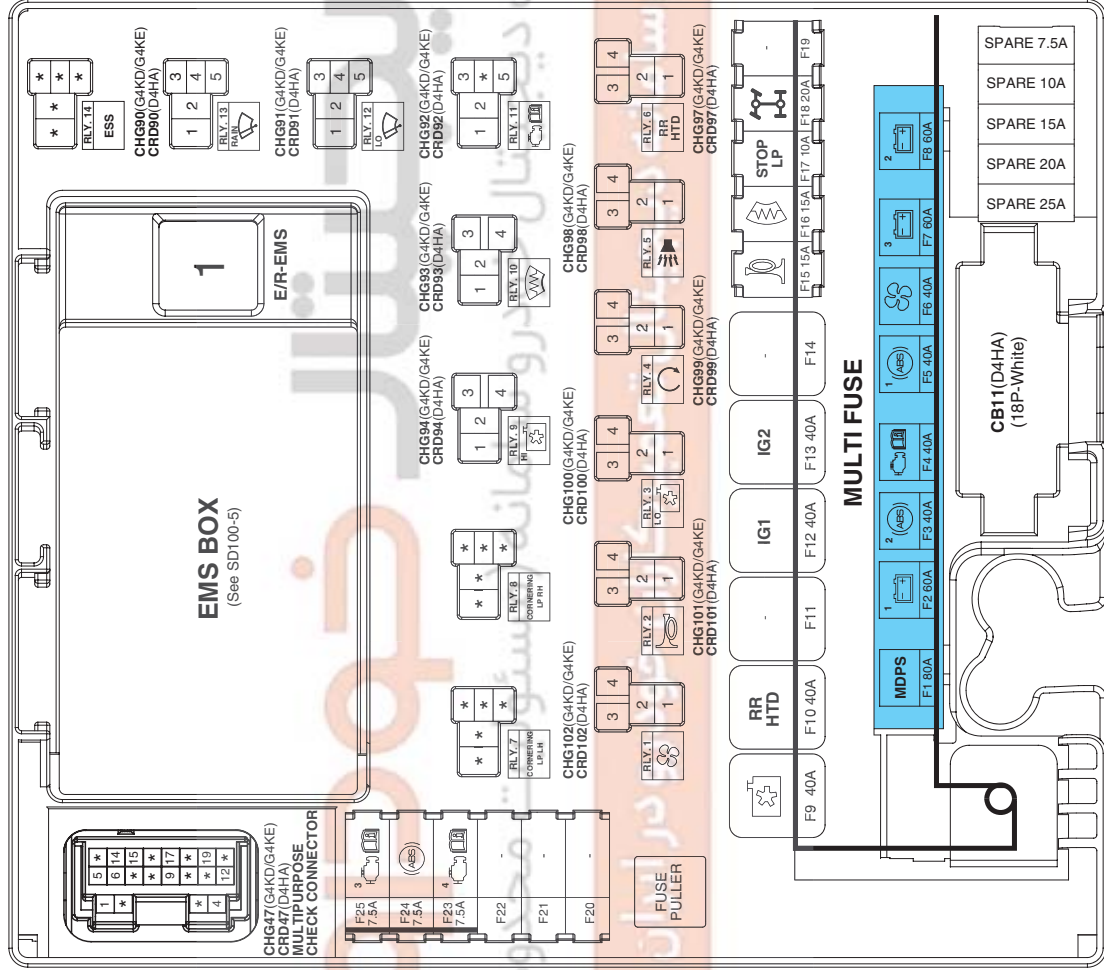


FUSE & RELAY INFORMATION

Fuse & Relay Information (3)

SD100-3

E/R FUSE & RELAY BOX



※ USE THE DESIGNATED FUSE AND RELAY ONLY

FUSE & RELAY INFORMATION

Fuse & Relay Information (4)

SD100-4

Circuit (E/R Fuse & Relay Box)

Fuse No.	(A)	Symbol	Fuse Name	Circuit Protected
F1	80A	MDPS	MDPS	EPS Control Module
F2	60A		B+1	I/P Junction Box (Fuse - F15/F16/F17/F19, IPS Control Module - IPS 4/IPS 5/IPS 6/IPS 7)
F3	40A		ABS 2	ESP Control Module, ABS Control Module
F4	40A		EMS	EMS Box (Fuse - F1/F2/F3/F6)
F5	40A		ABS 1	ESP Control Module, ABS Control Module
F6	40A		BLOWER	RLY. 1 (Blower Relay)
F7	60A		B+3	I/P Junction Box (Fuse - F3/F4/F8/F9/F10/F13/F14, Power Connector - F1/F2)
F8	60A		B+2	I/P Junction Box (Power Window Relay, Fuse - F5/F6/F7, IPS Control Module - IPS 0/IPS 1/IPS 2/IPS 3/IPS 8)
F9	40A		COOLING FAN	RLY. 3 (Cooling Fan (Low) Relay), RLY. 9 (Cooling Fan (High) Relay)
F10	40A	RR HTD	REAR HEATED	RLY. 6 (Rear Defogger Relay)
F11	-	-	-	-
F12	40A	IG1	IG1	W/O Smart Key - Ignition Switch/ With Smart Key - PDM Relay Box (IGN1 Relay)
F13	40A	IG2	IG2	RLY. 4 (Start Relay), W/O Smart Key - Ignition Switch/ With Smart Key - PDM Relay Box (IGN2 Relay)
F14	-	-	-	-
F15	15A		HORN	RLY. 2 (Horn Relay), RLY. 5 (Burglar Alarm Relay)
F16	15A		DEICER	RLY. 10 (Front Wiper Deicer Relay)
F17	10A	STOP LP	STOP LP	Stop Lamp Switch, ICM Relay Box (DBC Relay), Smart Key Control Module
F18	20A		4WD	4WD ECM
F19~F22	-	-	-	-
F23	7.5A		ECU 2	RLY. 11 (ATM P/N Relay), G4KD/G4KE - PCM, Multifunction Switch, D4HA - ECM, Mass Air Flow Sensor
F24	7.5A		ABS	ESP Control Module, ABS Control Module, ICM Relay Box (DBC Relay), Multi Switch, Steering Angle Sensor D4HA : Glow Relay Unit, Fuel Filter Warning Sensor, Diesel Box (RLY. 4 - Fuel Filter Heater Relay)
F25	7.5A		TCU 2	TCM (D4HA), Transaxle Range Switch

❖ USE THE DESIGNATED FUSE AND RELAY ONLY

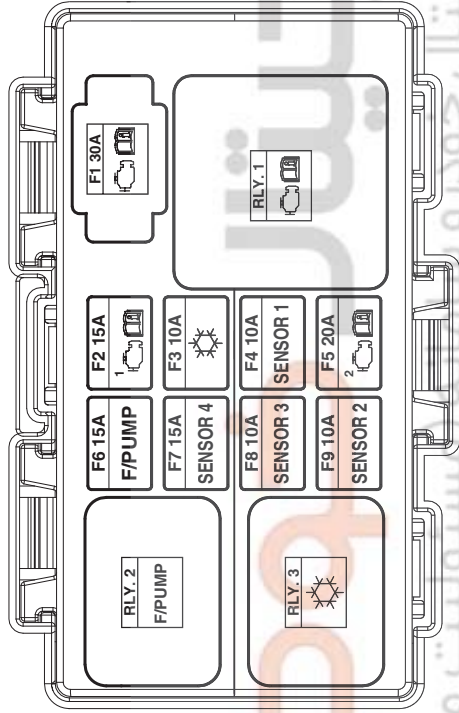
FUSE & RELAY INFORMATION

Fuse & Relay Information (5)

SD100-5

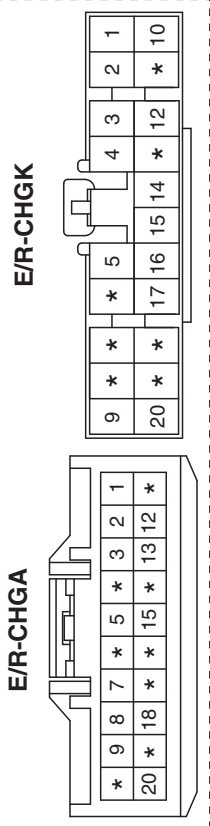
EMS BOX

E/R-CHGK(G4KD/G4KE)
E/R-CRDK(D4HA)

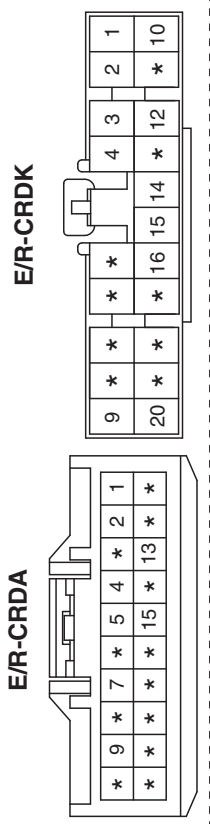


Relay No.	Symbol	Relay Name	Type
RLY. 1		Engine Control Relay	Plug Mini
RLY. 2		Fuel Pump Relay	Plug Micro
RLY. 3		A/C Relay	Plug Micro

G4KD/G4KE



D4HA



❖ USE THE DESIGNATED FUSE AND RELAY ONLY

FUSE & RELAY INFORMATION

Fuse & Relay Information (6)

SD100-6

Circuit (EMS Box) - G4KD/G4KE : THETA II 2.0L/2.4L

Fuse No.	(A)	Symbol	Fuse Name	Circuit Protected
F1	30A		ECU	RLY. 1 (Engine Control Relay)
F2	15A		TCU 1	PCM
F3	10A		A/CON	RLY. 3 (A/C Relay)
F4	10A		SENSOR 1	Immobilizer Module, Crankshaft Position Sensor, Camshaft Position Sensor #1/2, Oil Control Valve #1/2
F5	20A		ECU 1	Ignition Coil #1/2/3/4, Condenser
F6	15A		FUEL PUMP	RLY. 2 (Fuel Pump Relay)
F7	15A		SENSOR 4	RLY. 2 (Fuel Pump Relay), PCM, Oxygen Sensor Up/Down
F8	10A		SENSOR 3	E/R Fuse & Relay Box (RLY. 3 - Cooling Fan (Low) Relay, RLY. 9 - Cooling Fan (High) Relay)
F9	10A		SENSOR 2	RLY. 3 (A/C Relay), Injector #1/2/3/4

Circuit (EMS Box) - D4HA : R 2.0L

Fuse No.	(A)	Symbol	Fuse Name	Circuit Protected
F1	30A		ECU	RLY. 1 (Engine Control Relay)
F2	15A		TCU 1	TCM
F3	10A		A/CON	RLY. 3 (A/C Relay)
F4	10A		SENSOR 1	EGR Cooling Bypass Solenoid Valve, Diesel Box (RLY. 1 - PTC Heater Relay #1), Electrical VGT Actuator
F5	20A		ECU 1	E/R Fuse & Relay Box (RLY. 3 - Cooling Fan (Low) Relay, RLY. 9 - Cooling Fan (High) Relay), Oil Level Sensor
F6	15A		FUEL PUMP	ECM
F7	15A		SENSOR 4	RLY. 2 (Fuel Pump Relay)
F8	10A		SENSOR 3	Immobilizer Module, Rail Pressure Regulator Valve, Fuel Pressure Regulator Valve, RLY. 2 (Fuel Pump Relay)
F9	10A		SENSOR 2	RLY. 3 (A/C Relay), Crankshaft Position Sensor, Lambda Sensor

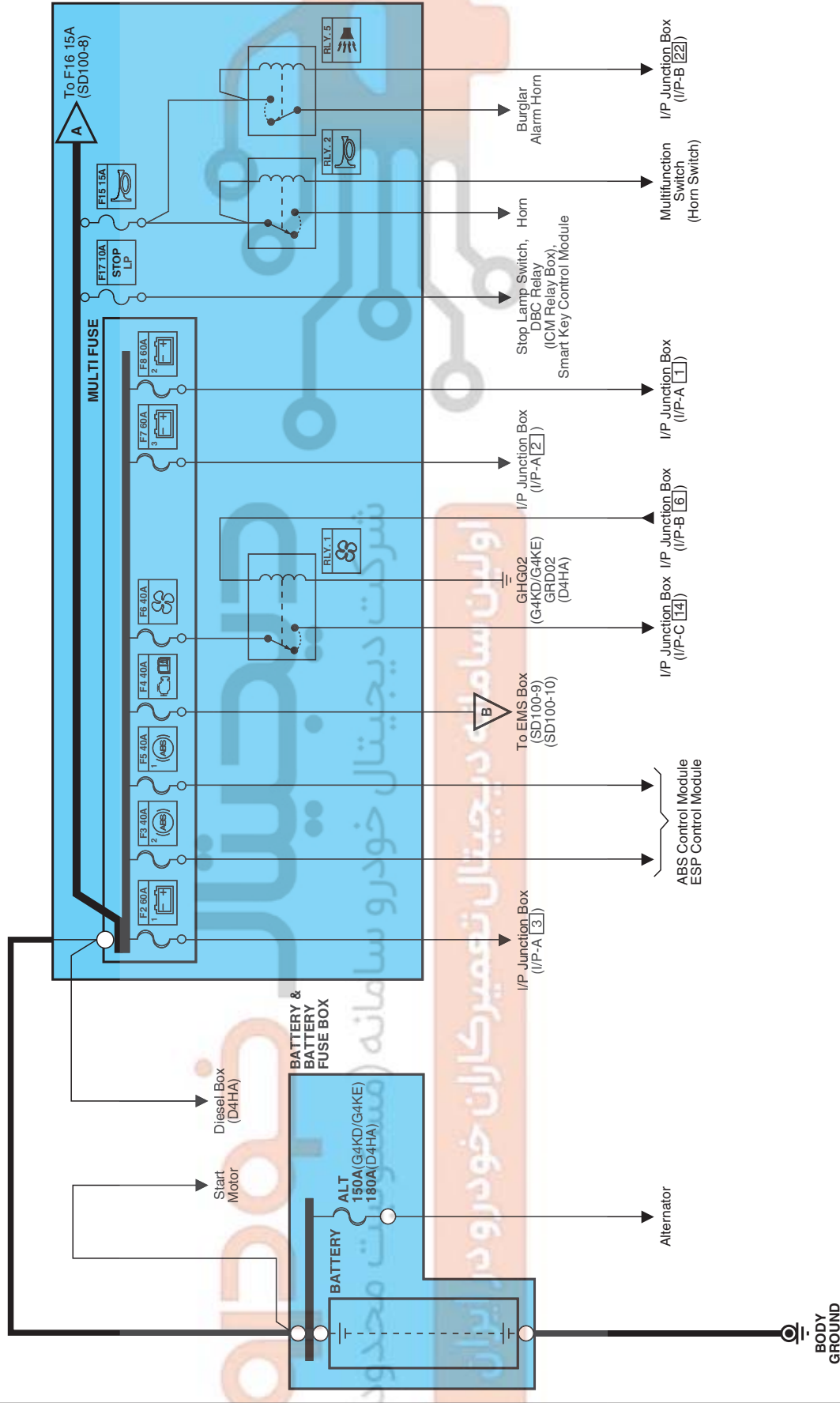
❖ USE THE DESIGNATED FUSE AND RELAY ONLY

FUSE & RELAY INFORMATION

Fuse & Relay Information (7)

SD100-7

E/R Fuse & Relay Box

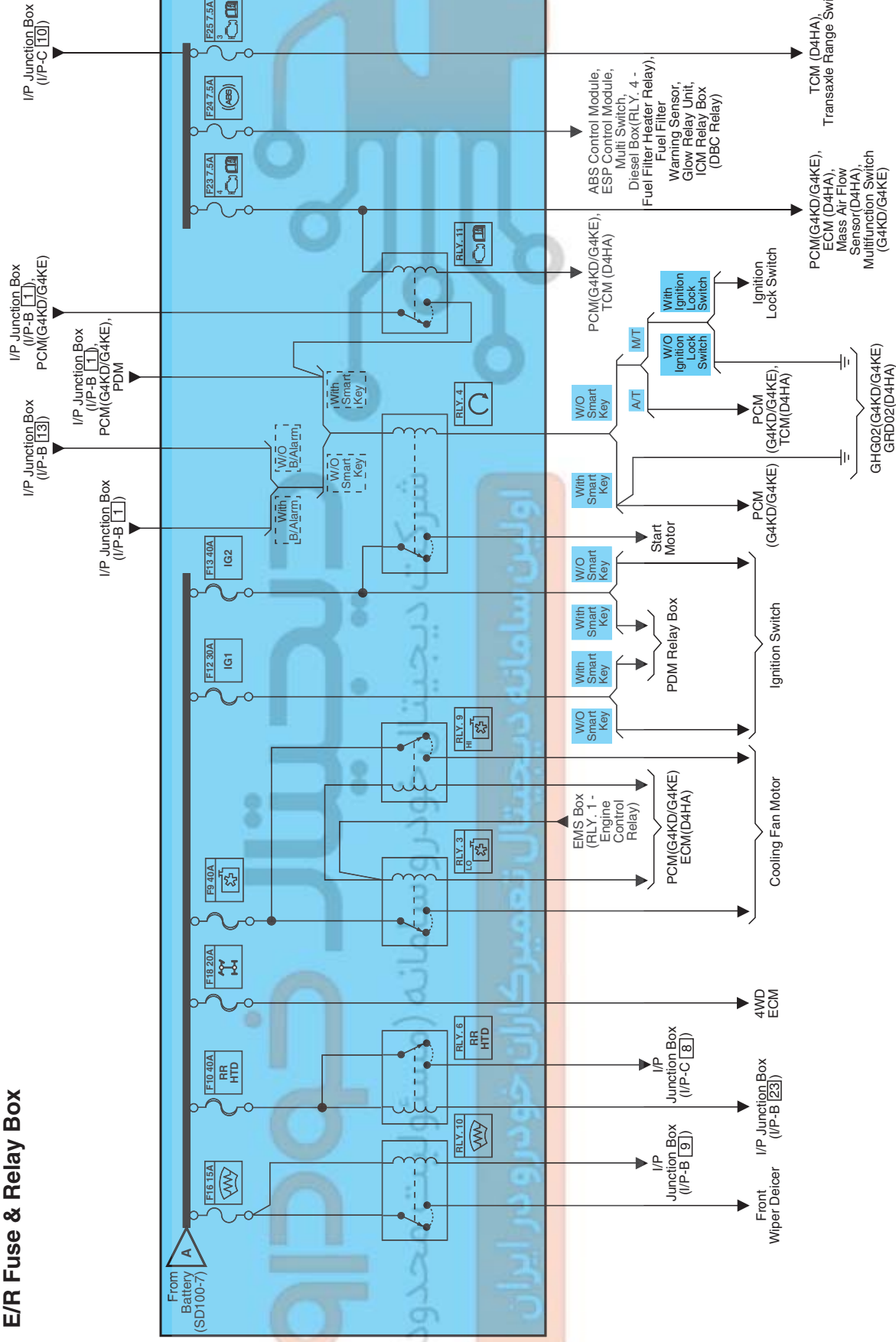


FUSE & RELAY INFORMATION

Fuse & Relay Information (8)

SD100-8

E/R Fuse & Relay Box

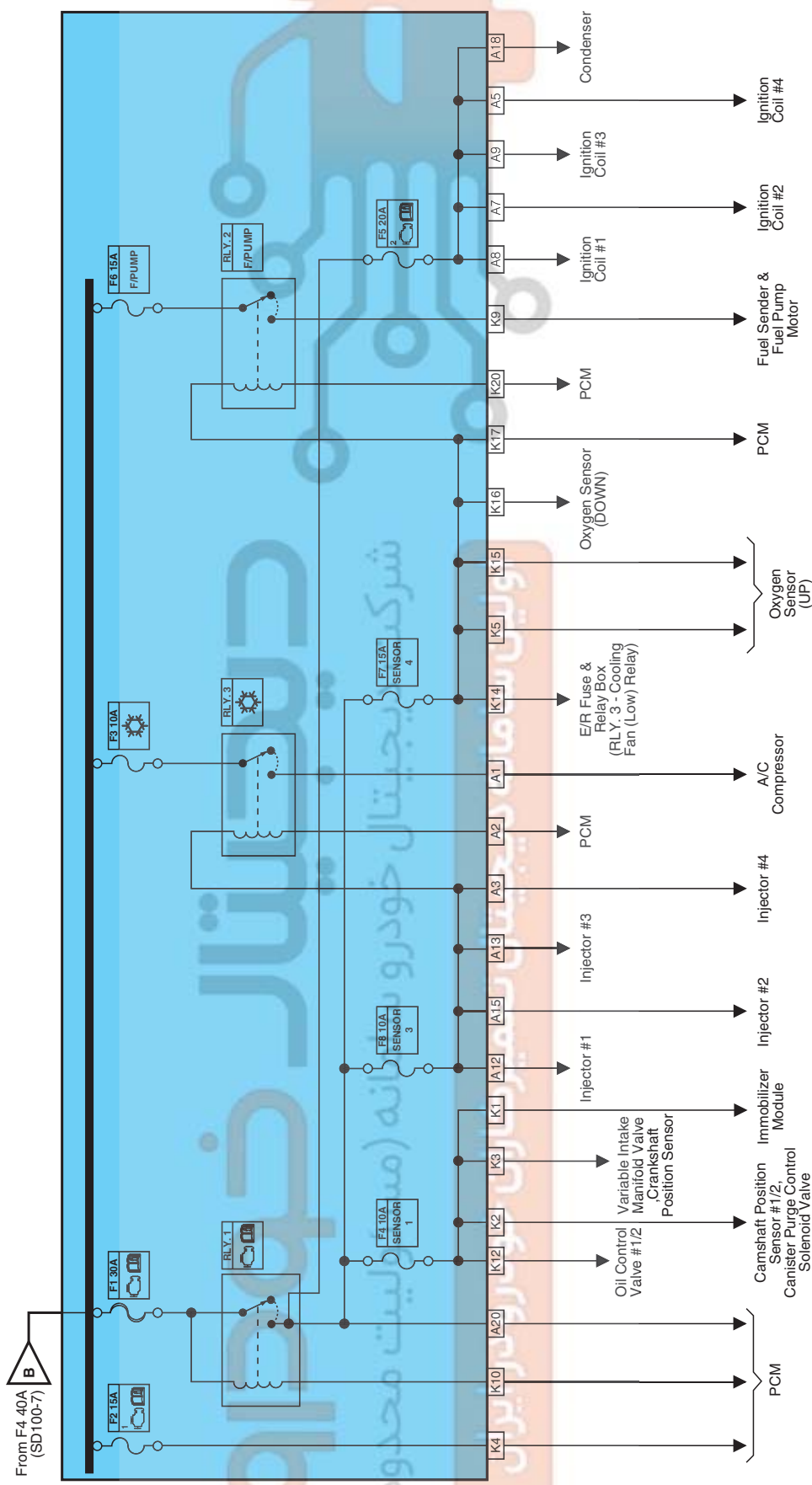


FUSE & RELAY INFORMATION

Fuse & Relay Information (9)

SD100-9

EMS Box (G4KD/G4KE : THETA II 2.0L/2.4L)



FUSE & RELAY INFORMATION

Fuse & Relay Information (10)

SD100-10

EMS Box (D4HA : R 2.0L)

