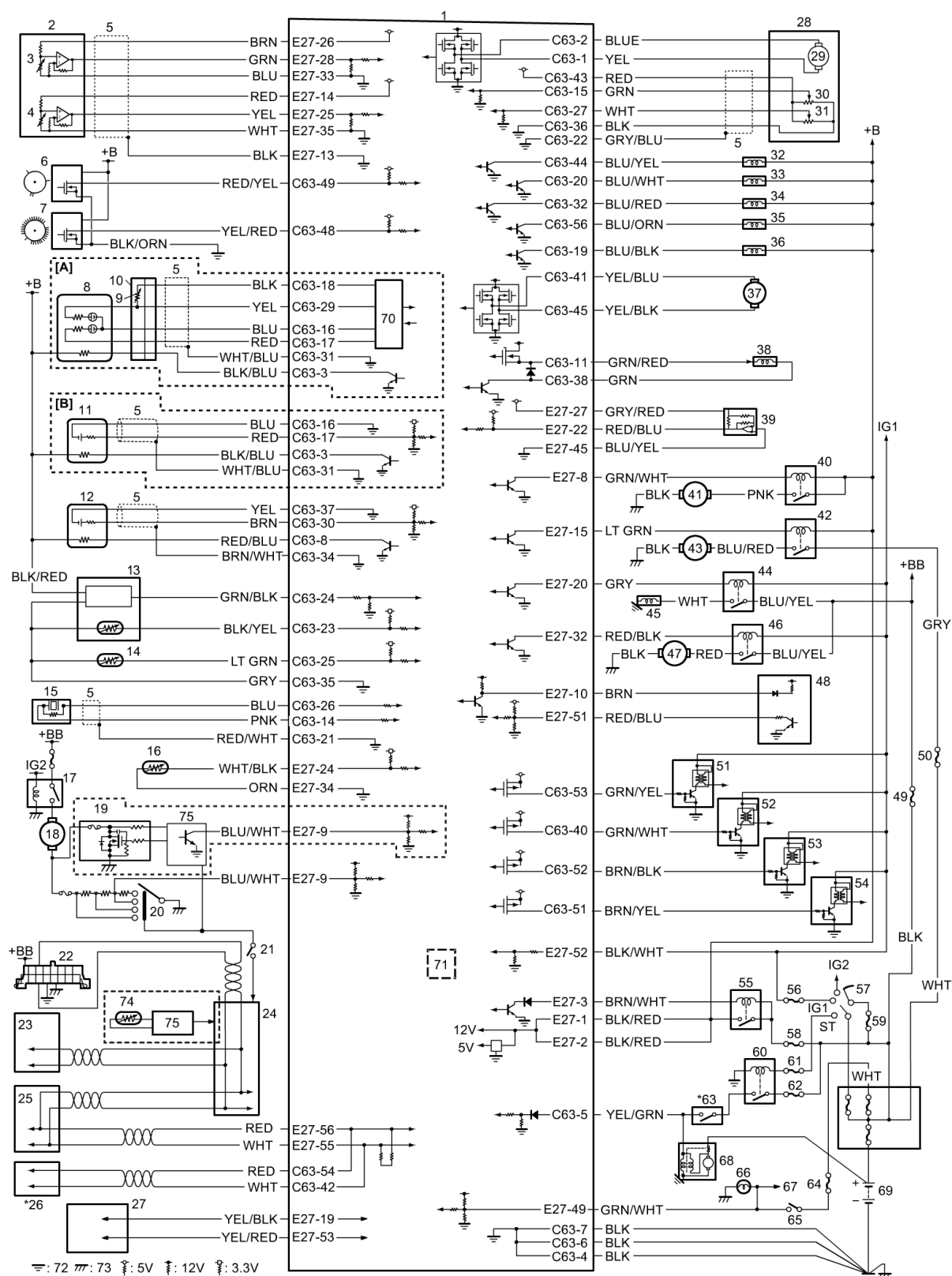


1A

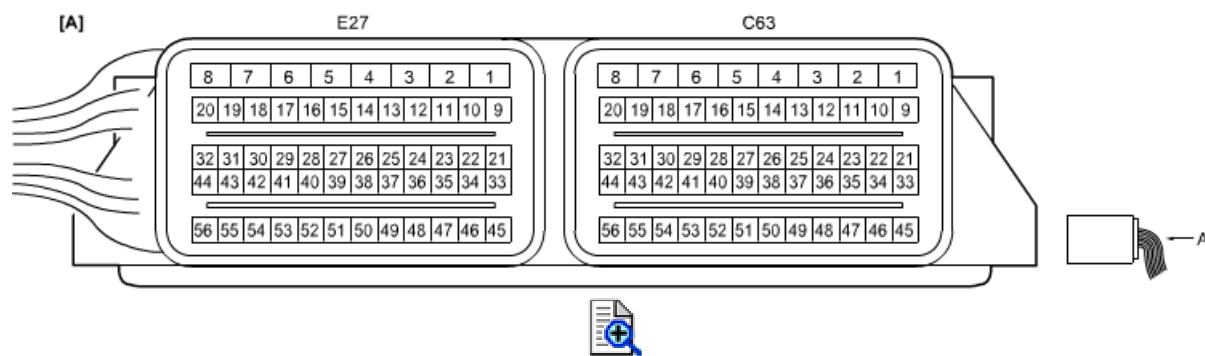


Electronic Control System Circuit Diagram



[B]: Euro IV model	26. TCM	52. Ignition coil No.2
1. ECM	27. Immobilizer coil antenna	53. Ignition coil No.3
2. APP sensor	28. Electric throttle body	54. Ignition coil No.4
3. APP sensor (main)	29. Throttle actuator	55. Main relay
4. APP sensor (sub)	30. TP sensor (main)	56. "IG COIL" fuse
5. Shield wire	31. TP sensor (sub)	57. Ignition switch
6. CMP sensor	32. Fuel injector No.1	58. "FI" fuse
7. CKP sensor	33. Fuel injector No.2	59. "IGN" fuse
8. A/F sensor	34. Fuel injector No.3	60. Starting motor control relay
9. A/F sensor adjusting resistor	35. Fuel injector No.4	61. "ST SIG" fuse
10. A/F sensor connector	36. EVAP canister purge valve	62. "ST" fuse
11. HO2S-1	37. IMT valve actuator (if equipped)	63. Transmission range sensor
12. HO2S-2	38. Oil control valve	64. "STOP" fuse
13. MAF and IAT sensor	39. A/C refrigerant pressure sensor	65. Brake light switch
14. ECT sensor	40. Fuel pump relay	66. Brake light
15. Knock sensor	41. Fuel pump	67. to ABS/ESP® control module
16. A/C evaporator outlet air temperature sensor (manual A/C model)	42. Radiator cooling fan relay	68. Starting motor
17. Blower motor relay	43. Radiator cooling fan	69. Battery
18. Blower motor	44. A/C compressor relay	70. A/F signal processing unit
19. Blower motor controller (Auto A/C model)	45. A/C compressor	71. Barometric pressure sensor
20. Blower speed selector (Manual A/C model)	46. A/C condenser fan relay	72. Engine ground
21. A/C switch	47. A/C condenser fan	73. Body ground
22. DLC	48. "P/S" control module	74. A/C evaporator outlet air temperature sensor (Auto A/C model)
23. Combination meter	49. A/C fuse	75. HVAC control module (Auto A/C model)
24. BCM	50. "RDTR" fuse	* A/T model

Terminal Arrangement of ECM Coupler (Viewed from Harness Side)



[A]: ECM connector (view: A)

Connector: C63

Terminal	Wire color	Circuit	Terminal	Wire color	Circuit
C63-1	YEL	Throttle actuator drive circuit (open)	C63-29	YEL	A/F sensor signal circuit (Pump current (IP)) (Euro V model)
C63-2	BLU	Throttle actuator drive circuit (close)	C63-30	BRN	HO2S-2 signal circuit
C63-3	BLK/BLU	A/F sensor heater drive circuit (Euro V model) HO2S-1 heater drive circuit (Euro IV model)	C63-31	WHT/BLU	A/F sensor shield ground circuit (Euro V model) HO2S-1 shield ground circuit (Euro IV model)
C63-4	BLK	ECM ground circuit 3	C63-32	BLU/RED	Fuel injector No. 3 drive circuit
C63-5	YEL/GRN	Starting motor relay signal circuit	C63-33	—	—
C63-6	BLK	ECM ground circuit 2	C63-34	BRN/WHT	HO2S-2 shield ground circuit
C63-7	BLK	ECM ground circuit 1	C63-35	GRY	ECT and MAF and IAT sensor ground circuit
C63-8	RED/BLU	HO2S-2 heater drive circuit	C63-36	BLK	TP sensor ground circuit
C63-9	—	—	C63-37	YEL	HO2S-2 ground circuit
C63-10	—	—	C63-38	GRN	Oil Control valve drive circuit (—)
C63-11	GRN/RED	Oil Control valve drive circuit (+)	C63-39	—	—
C63-12	—	—	C63-40	GRN/WHT	Ignition coil No. 2 drive circuit
C63-13	—	—	C63-41	YEL/BLU	IMT valve actuator drive circuit (close)
C63-14	PNK	Knock sensor ground circuit	C63-42	WHT	CAN (low) communication circuit to TCM
C63-15	GRN	TP sensor (main) signal circuit	C63-43	RED	TP sensor power supply circuit
C63-16	BLU	A/F sensor signal circuit (Reference voltage (VM)) (Euro V model) HO2S-1 ground circuit (Euro IV model)	C63-44	BLU/YEL	Fuel injector No. 1 drive circuit
C63-17	RED	A/F sensor signal circuit (Pump current control (UN)) (Euro V model)	C63-45	YEL/BLK	IMT valve actuator drive circuit (open)

		HO2S-1 signal circuit (Euro IV model)			
C63-18	BLK	A/F sensor signal circuit (Pump current (IA)) (Euro V model)	C63-46	—	—
C63-19	BLU/BLK	EVAP canister purge valve drive circuit	C63-47	—	—
C63-20	BLU/WHT	Fuel injector No. 2 drive circuit	C63-48	YEL/RED	CKP sensor signal circuit
C63-21	RED/WHT	Knock sensor shield ground circuit	C63-49	RED/YEL	CMP sensor signal circuit
C63-22	GRY/BLU	TP sensor shield ground circuit	C63-50	—	—
C63-23	BLK/YEL	IAT sensor signal circuit	C63-51	BRN/YEL	Ignition coil No. 4 drive circuit
C63-24	GRN/BLK	MAF sensor signal circuit	C63-52	BRN/BLK	Ignition coil No. 3 drive circuit
C63-25	LT GRN	ECT sensor signal circuit	C63-53	GRN/YEL	Ignition coil No. 1 drive circuit
C63-26	BLUE	Knock sensor signal circuit	C63-54	RED	CAN (high) communication circuit to TCM
C63-27	WHT	TP sensor (sub) signal circuit	C63-55	—	—
C63-28	—	—	C63-56	BLU/ORN	Fuel injector No. 4 drive circuit

Connector: E27

Terminal	Wire color	Circuit	Terminal	Wire color	Circuit
E27-1	BLK/RED	Main power supply circuit 1	E27-29	—	—
E27-2	BLK/RED	Main power supply circuit 2	E27-30	—	—
E27-3	BRN/WHT	Main relay drive circuit	E27-31	—	—
E27-4	—	—	E27-32	RED/BLK	A/C condenser cooling fan relay drive circuit
E27-5	—	—	E27-33	BLU	APP sensor (main) ground circuit
E27-6	—	—	E27-34	ORN	A/C refrigerant pressure sensor and A/C evaporator outlet air temperature sensor ground circuit
E27-7	—	—	E27-35	WHT	APP sensor (sub) ground circuit
E27-8	GRN/WHT	Fuel pump relay drive circuit	E27-36	—	—
E27-9	BLU/WHT	Blower motor signal circuit	E27-37	—	—
E27-10	BRN	Engine speed signal circuit (for P/S control module)	E27-38	—	—
E27-11	—	—	E27-39	—	—
E27-12	—	—	E27-40	—	—
E27-13	BLK	APP sensor shield ground circuit	E27-41	—	—
E27-14	RED	APP sensor (sub) power supply circuit	E27-42	—	—
E27-15	LT GRN	Radiator cooling fan relay	E27-43	—	—

		drive circuit			
E27-16	—	—	E27-44	—	—
E27-17	—	—	E27-45	BLU/YEL	A/C refrigerant pressure sensor ground circuit
E27-18	—	—	E27-46	—	—
E27-19	YEL/BLK	Serial communication circuit (for immobilizer coil antenna)	E27-47	—	—
E27-20	GRY	A/C compressor relay drive circuit	E27-48	—	—
E27-21	—	—	E27-49	GRN/WHT	Brake light switch signal circuit
E27-22	RED/BLU	A/C refrigerant pressure sensor signal circuit	E27-50	—	—
E27-23	—	—	E27-51	RED/BLU	P/S active (idle up) signal circuit
E27-24	WHT/BLK	A/C evaporator outlet air temperature sensor signal circuit	E27-52	BLK/WHT	Ignition switch signal circuit
E27-25	YEL	APP sensor (sub) signal circuit	E27-53	YEL/RED	Clock signal circuit (for immobilizer coil antenna)
E27-26	BRN	APP sensor (main) power supply circuit	E27-54	—	—
E27-27	GRY/RED	A/C refrigerant pressure sensor power supply circuit	E27-55	WHT	CAN (low) communication circuit to ABS/ESP® control module
E27-28	GRN	APP sensor (main) signal circuit	E27-56	RED	CAN (high) communication circuit to ABS/ESP® control module