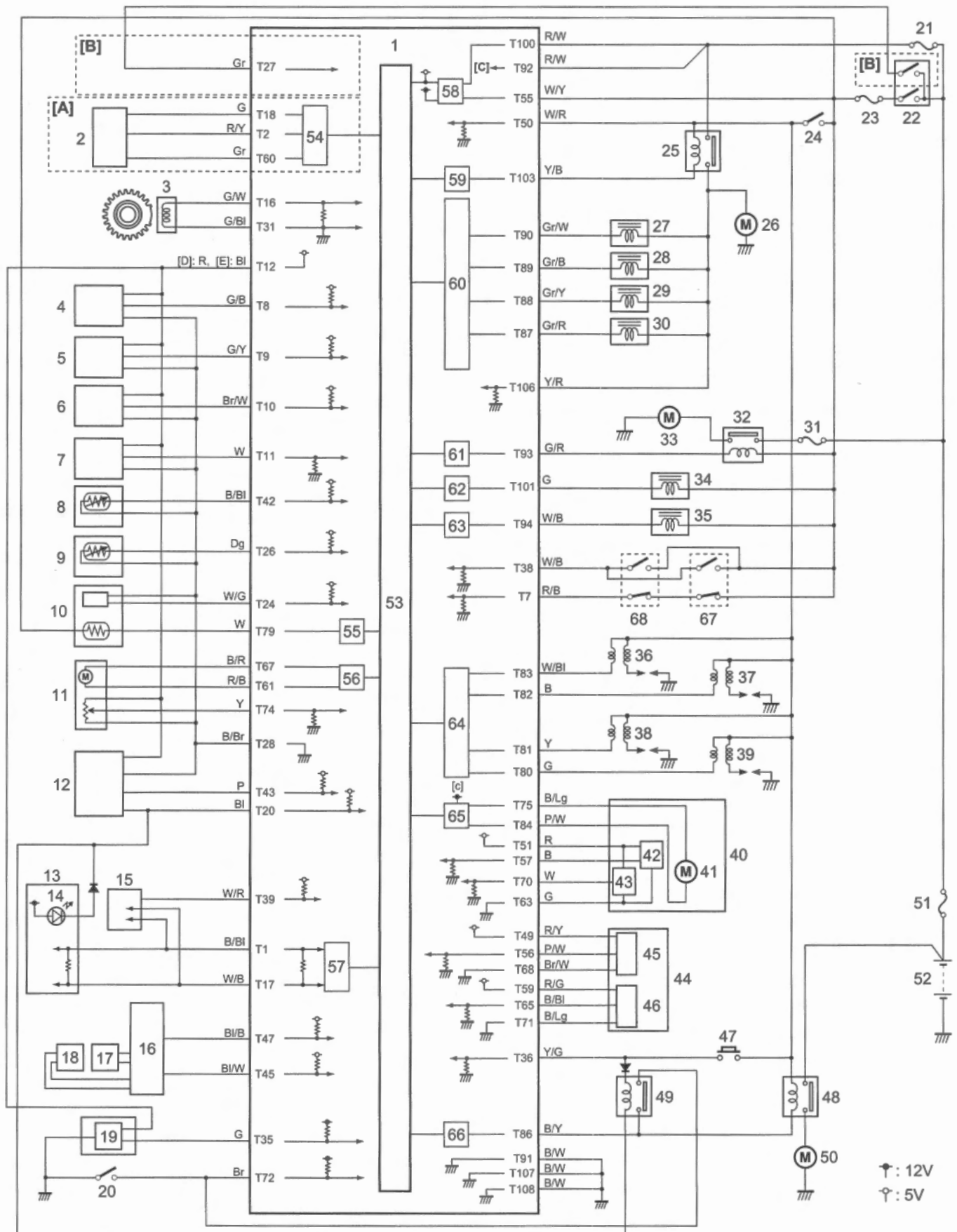


## Schematic and Routing Diagram

## Engine Control System Wiring Diagram

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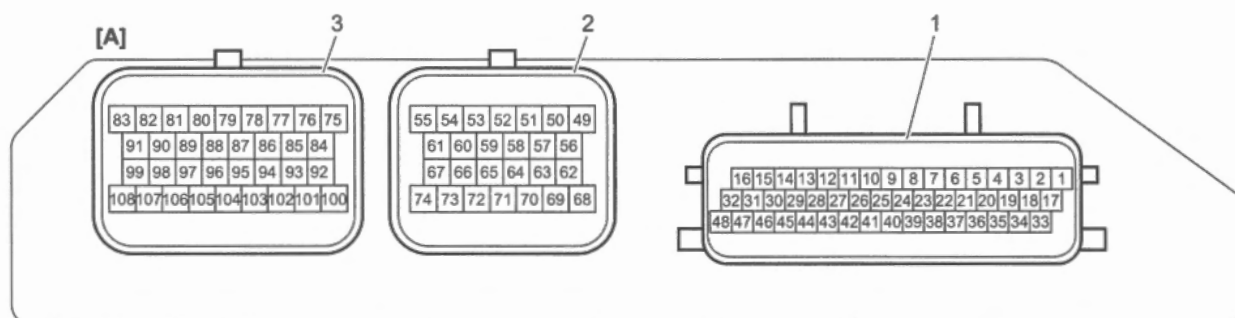


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## 1A-8 Engine General Information and Diagnosis:

[A]: With immobilizer control system	21. Fuel fuse (10 A)	46. Accelerator position sensor (sub)
[B]: Without immobilizer control system	22. Ignition switch	47. Engine stop/starter switch ("START" position)
[C]: To [c]	23. Ignition fuse (10 A)	48. Starter relay
[D]: GSX-S1000	24. Engine stop/starter switch ("RUN / STOP" position)	49. Starter sub relay
[E]: GSX-S1000T	25. FP relay	50. Starter motor
1. ECM	26. Fuel pump	51. Main fuse (30 A)
2. Immobilizer antenna	27. Fuel injector #1	52. Battery
3. CKP sensor	28. Fuel injector #2	53. CPU
4. IAP sensor 2	29. Fuel injector #3	54. Immobilizer antenna communication and indicator light drive circuit
5. IAP sensor 1	30. Fuel injector #4	55. HO2 sensor heater drive circuit
6. TO sensor	31. Cooling fan fuse (15 A)	56. EXCVA drive circuit
7. Gearshift sensor	32. Cooling fan relay	57. CAN driver
8. ECT sensor	33. Cooling fan motor	58. Power supply circuit
9. IAT sensor	34. EVAP system purge control solenoid valve (if equipped)	59. Fuel pump relay drive circuit
10. HO2 sensor	35. PAIR control solenoid valve	60. Fuel injector drive circuit
11. EXCVA/EXCVA position sensor	36. Ignition coil #1	61. Cooling fan relay drive circuit
12. GP sensor	37. Ignition coil #2	62. EVAP system purge control solenoid valve drive circuit (if equipped)
13. Combination meter	38. Ignition coil #3	63. PAIR control solenoid valve drive circuit
14. Neutral indicator light	39. Ignition coil #4	64. Ignition coil drive circuit
15. Mode select coupler (6P)	40. Throttle body	65. Throttle valve motor drive circuit
16. ABS control unit/HU	41. Throttle valve motor	66. Starter relay drive circuit
17. Front wheel speed sensor	42. TP sensor (main)	67. Front brake light switch (GSX-S1000T)
18. Rear wheel speed sensor	43. TP sensor (sub)	68. Rear brake light switch (GSX-S1000T)
19. Side stand switch	44. Throttle grip assembly	
20. Clutch lever position switch	45. Accelerator position sensor (main)	

### Terminal Arrangement of ECM Coupler "T"



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[A]: ECM coupler (View [a])	2. Coupler "B" (26P)
1. Coupler "A" (48P)	3. Coupler "C" (34P)