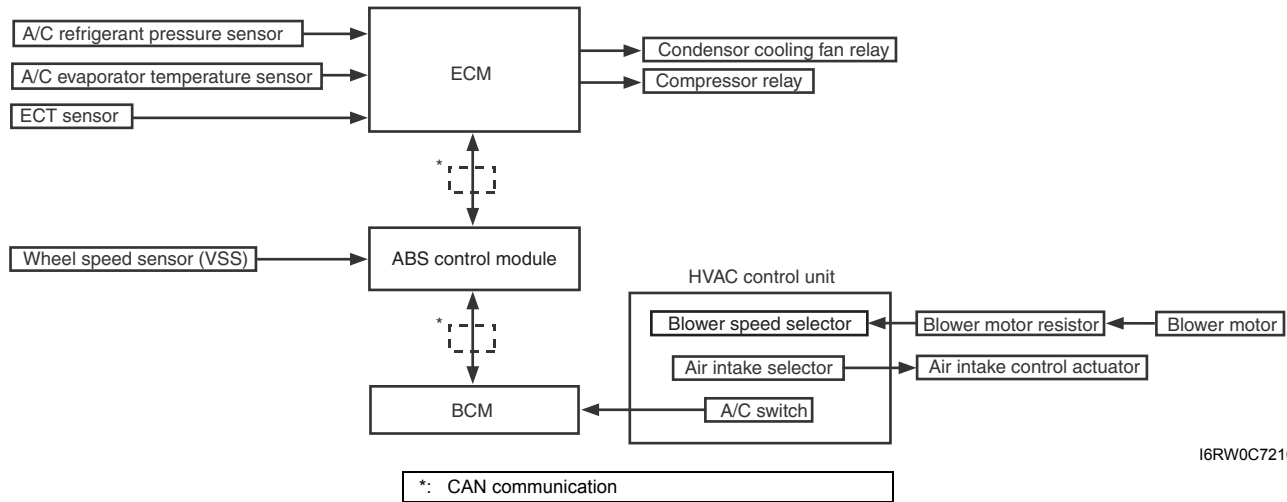


Manual A/C Electronic Input Output Table

S6RW0C7211002



I6RW0C721001-01

A/C Operation Description at ECM

S6RW0C7211003

ECM controls the A/C compressor relay and condenser cooling fan relay according to signals from HVAC control unit, A/C refrigerant pressure sensor, ECT sensor and evaporator temperature sensor. The A/C switch ON signal from HVAC control unit is transmitted to ECM through BCM. For CAN communication system, refer to "CAN Communication System Description in Section 1A".

ECM turns ON the A/C compressor relay when the vehicle state satisfy conditions described below.

- A/C switch ON signal is inputted from HVAC control unit
- A/C refrigerant pressure is within specified range
- Evaporator temperature is within specified range
- Engine speed is within specified range
- Engine coolant temperature is lower than specified value
- Throttle opening is lower than specified value
- Vehicle is not in either state of starting or quick acceleration
- ECT sensor malfunction is not detected
- A/C refrigerant pressure sensor malfunction is not detected

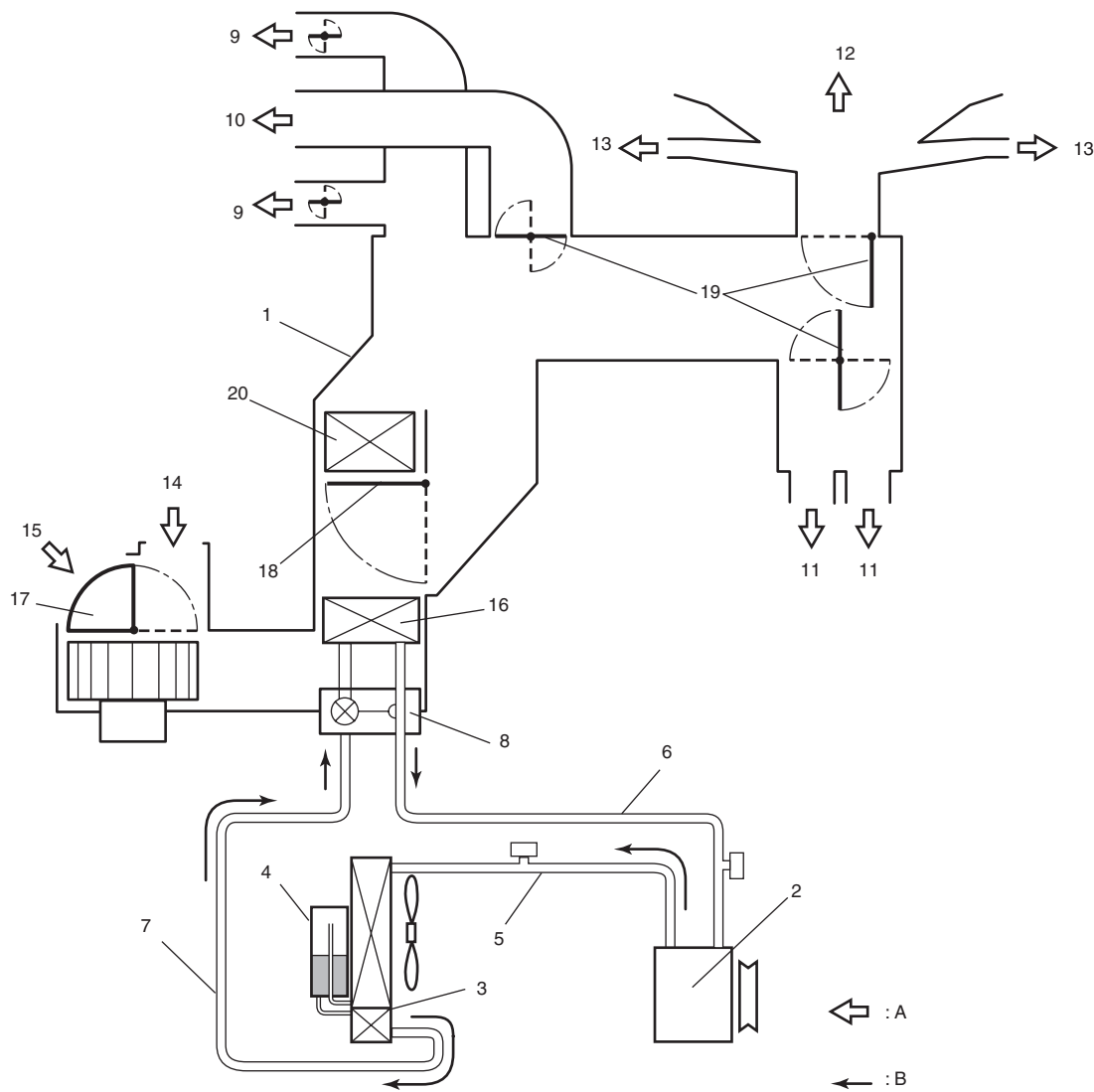
Condenser Cooling Fan Relay Control

ECM turn ON the condenser cooling fan relay at the same time when ECM turn ON the A/C compressor relay.

Schematic and Routing Diagram

A/C System Air Flow Diagram

S6RW0C7212001

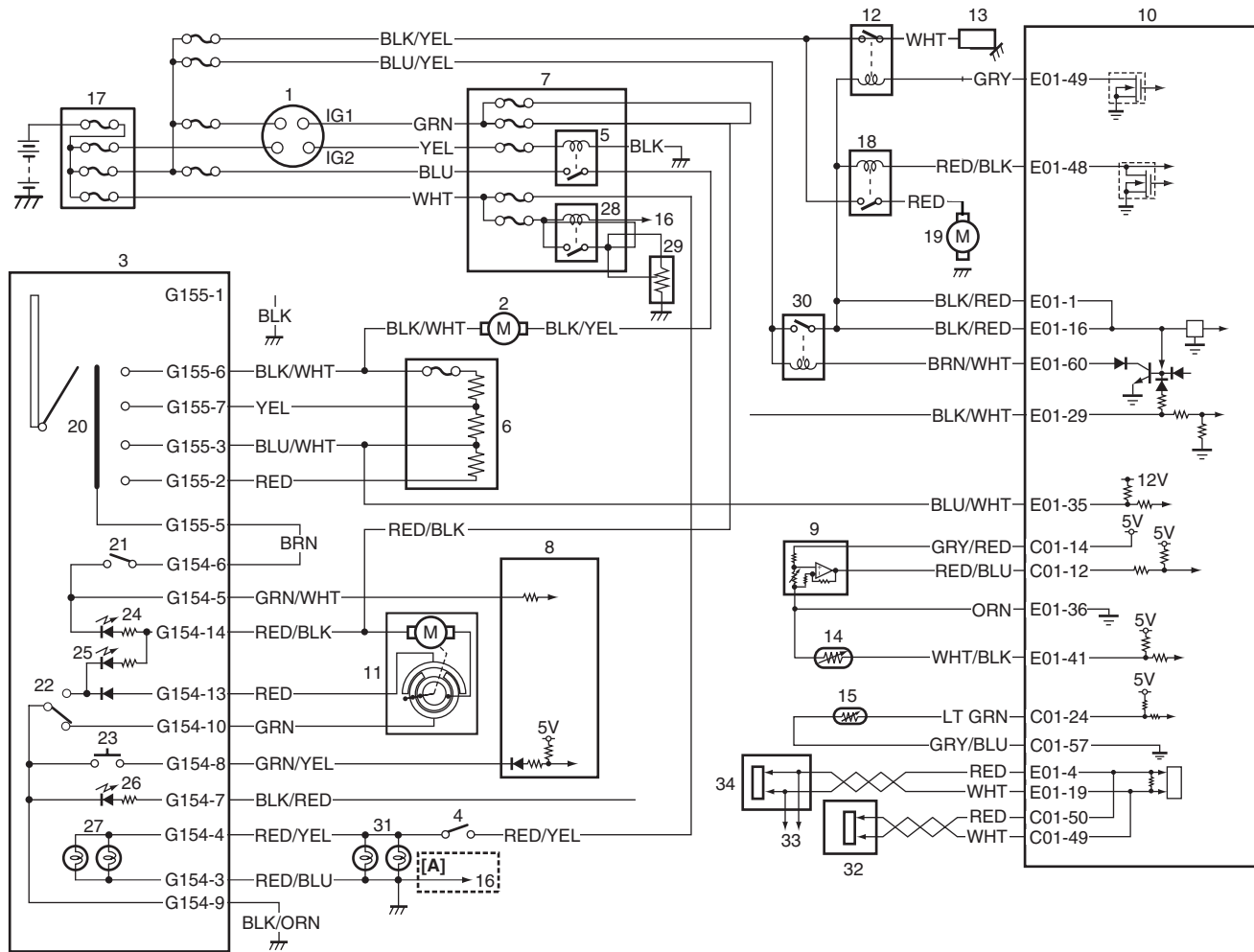


I7RW01721002-03

A: Air flow	5. Discharge hose	11. Foot air	17. Air intake door
B: Refrigerant flow	6. Suction hose	12. Front defroster air	18. Temperature control door
1. HVAC unit	7. Liquid pipe	13. Side defroster air	19. Air flow control door
2. Compressor	8. Expansion valve	14. Fresh air	20. Heater core
3. Condenser assembly	9. Side ventilation air	15. Recirculation air	
4. Receiver/dryer	10. Center ventilation air	16. Evaporator	

A/C System Wiring Diagram

S6RW0C7212002



I6RW0C721002-01

[A]: Illumination control model	9. A/C refrigerant pressure sensor	18. Condenser cooling fan relay	27. Illumination light
1. Ignition switch	10. ECM	19. Condenser cooling fan motor	28. Rear defogger relay
2. Blower motor	11. Air intake control actuator	20. Blower speed selector	29. Rear defogger
3. HVAC control unit	12. Compressor relay	21. A/C switch	30. Main relay
4. Lighting switch	13. Compressor	22. Air intake selector	31. Tail light
5. Blower motor relay	14. Evaporator temperature sensor	23. Rear defogger switch	32. TCM
6. Blower motor resistor	15. ECT sensor	24. "A/C" indicator light	33. To other control module and DLC
7. Junction block assembly	16. To BCM	25. "REC" indicator light	34. ABS control module
8. BCM	17. Main fuse box	26. Rear defogger indicator	