

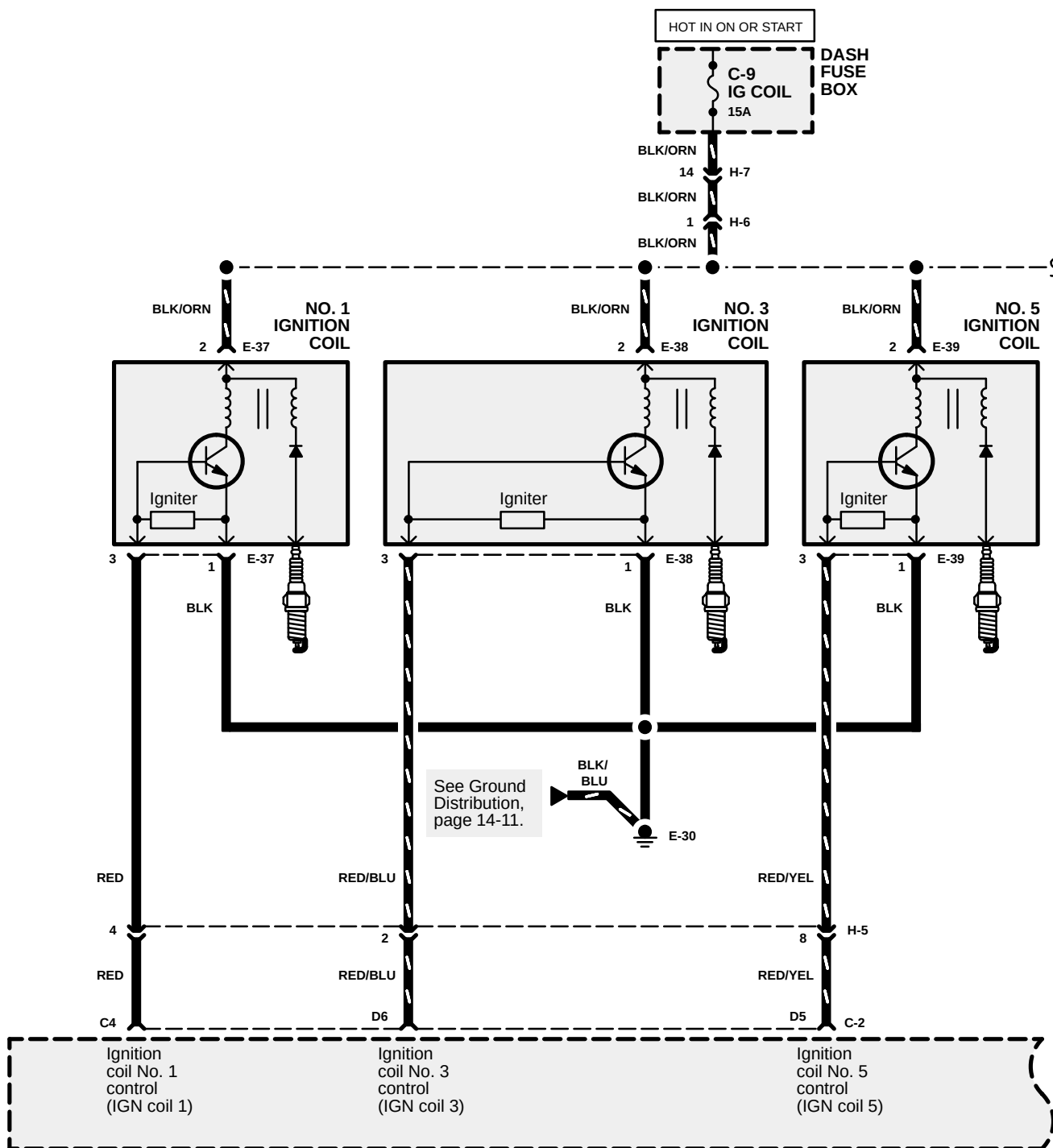
# IGNITION SYSTEM

## Component Index

- Condenser
- Dash Fuse Box
- Engine or Powertrain Control
  - Module (ECM or PCM)
- No. 1 Ignition Coil
- No. 2 Ignition Coil
- No. 3 Ignition Coil
- No. 4 Ignition Coil
- No. 5 Ignition Coil
- No. 6 Ignition Coil

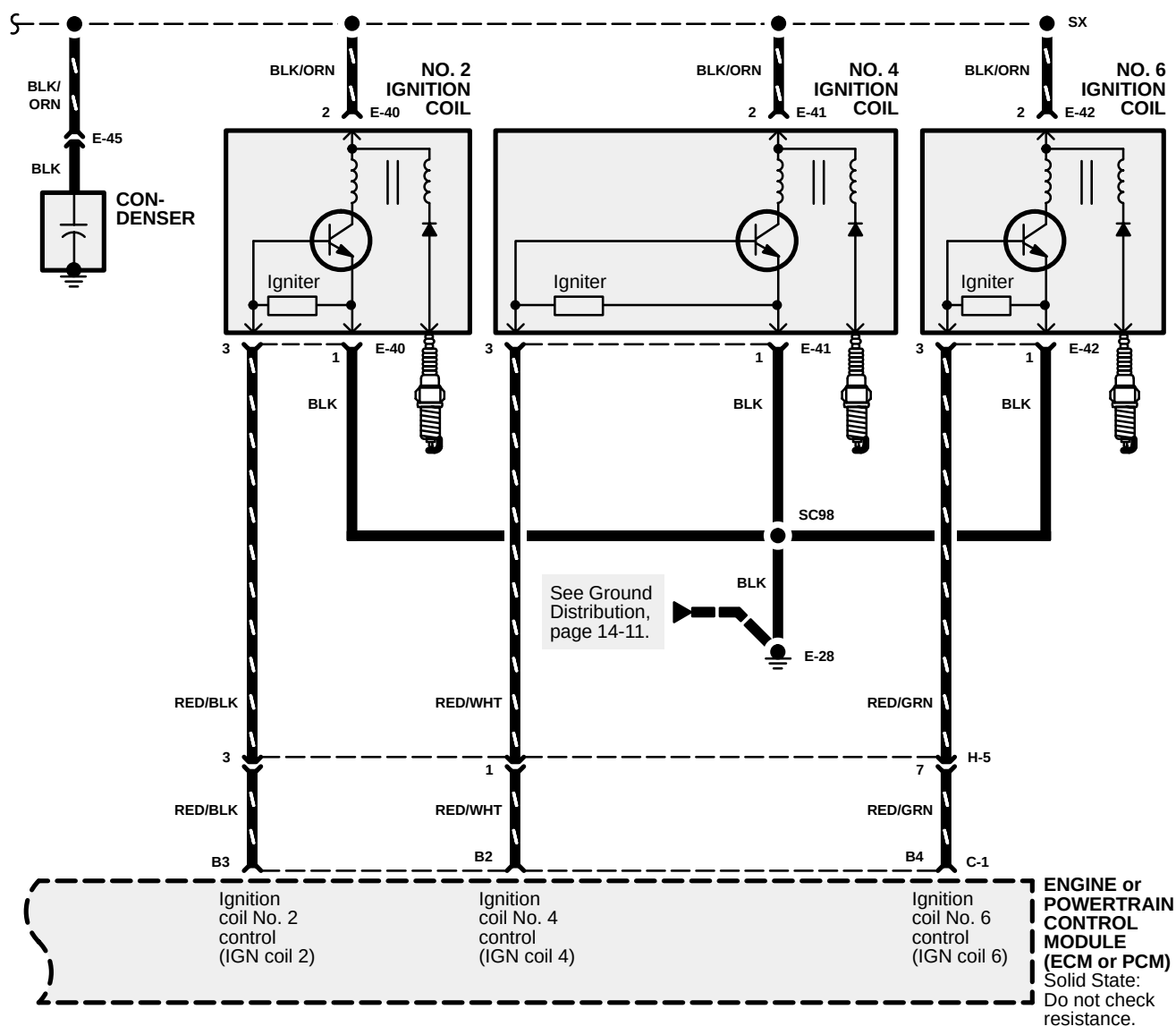
# IGNITION SYSTEM

## Circuit Schematic



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## Circuit Schematic



# IGNITION SYSTEM

## Component Location Index

(Refer to Section 201 for photographs.)

| Component                    |                                                        | Photo No. |
|------------------------------|--------------------------------------------------------|-----------|
| Condenser                    | Top right front of engine                              | 28        |
| Dash Fuse Box                | Behind left dash side trim panel                       | 55        |
| Engine or Powertrain Control |                                                        |           |
| Module (ECM or PCM)          | Behind front console                                   | 63        |
| No. 1 Ignition Coil          | Right side of engine                                   | 11        |
| No. 2 Ignition Coil          | Left side of engine                                    | 12        |
| No. 3 Ignition Coil          | Right side of engine                                   | 11        |
| No. 4 Ignition Coil          | Left side of engine                                    | 12        |
| No. 5 Ignition Coil          | Right side of engine                                   | 11        |
| No. 6 Ignition Coil          | Left side of engine                                    | 12        |
| Connector                    |                                                        |           |
| E-45 (1-BLK)                 | Top right front of engine                              |           |
| H-5 (16-GRN)                 | Left side of engine compartment                        | 33        |
| H-6 (16-BLU)                 | Left side of engine compartment                        | 33        |
| H-7 (20-BRN/WHT)             | Below I/P, above left dash side trim panel, on bracket | 69        |
| Ground                       |                                                        |           |
| E-28                         | Top left rear of engine                                | 32        |
| E-30                         | Top right rear of engine                               | 16        |

## Circuit Operation

With the starter switch in ON or START, battery voltage is applied to the Engine (M/T) or Powertrain (A/T) Control Module (ECM) or (PCM), various engine sensors, and the ignition coils. When the engine is cranked to start, the crank shaft position (CKP) sensor sends timing information directly to the ECM/PCM, which breaks the ground path in the primary of the ignition coils, thus creating a high voltage secondary impulse which fires the spark plugs, and the engine starts. The ECM/PCM receives information such as firing order and starting timing at each ignition coil from the CKP sensor. The ECM/PCM relies on information from various engine sensors to determine correct ignition timing.