

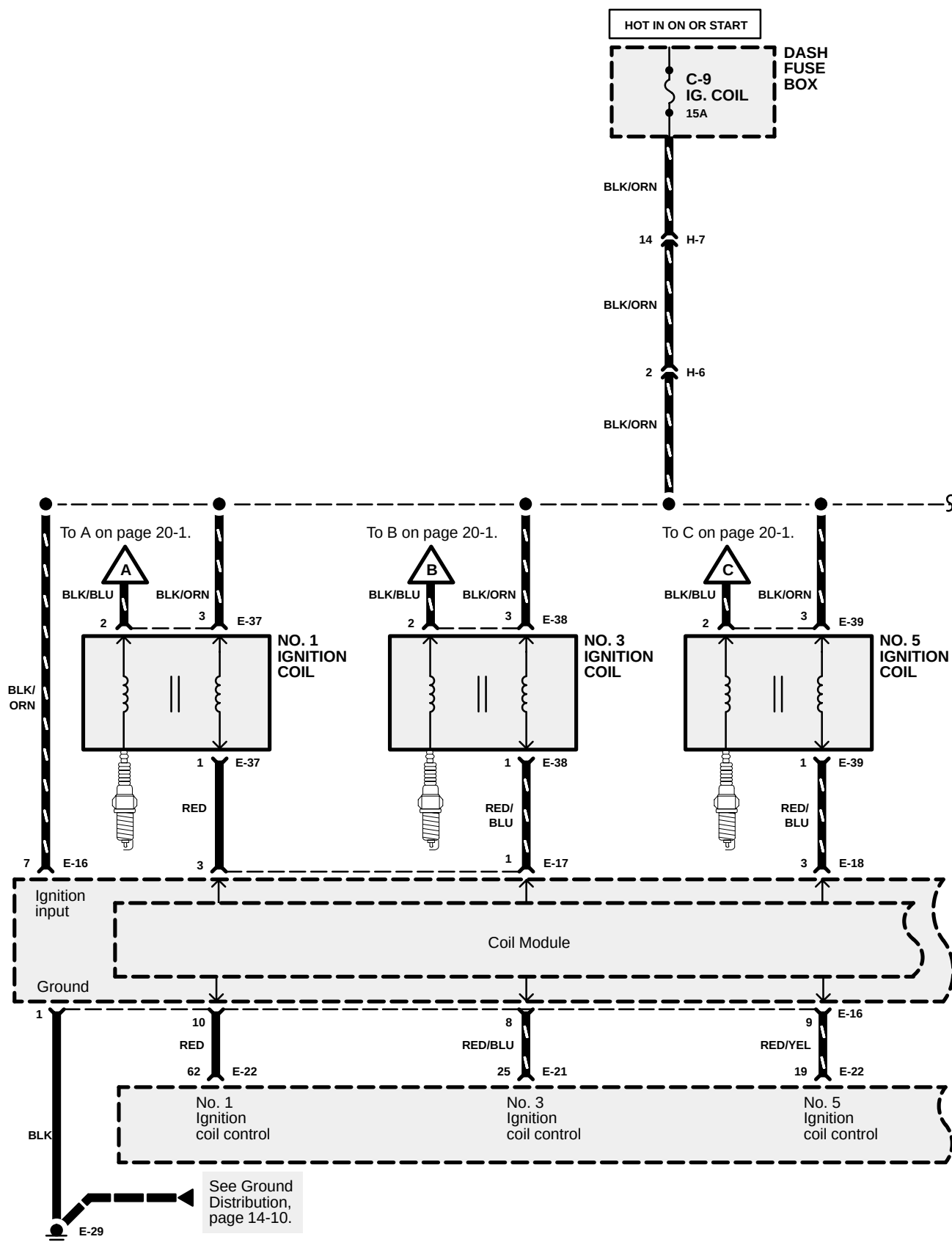
IGNITION SYSTEM

Component Index

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

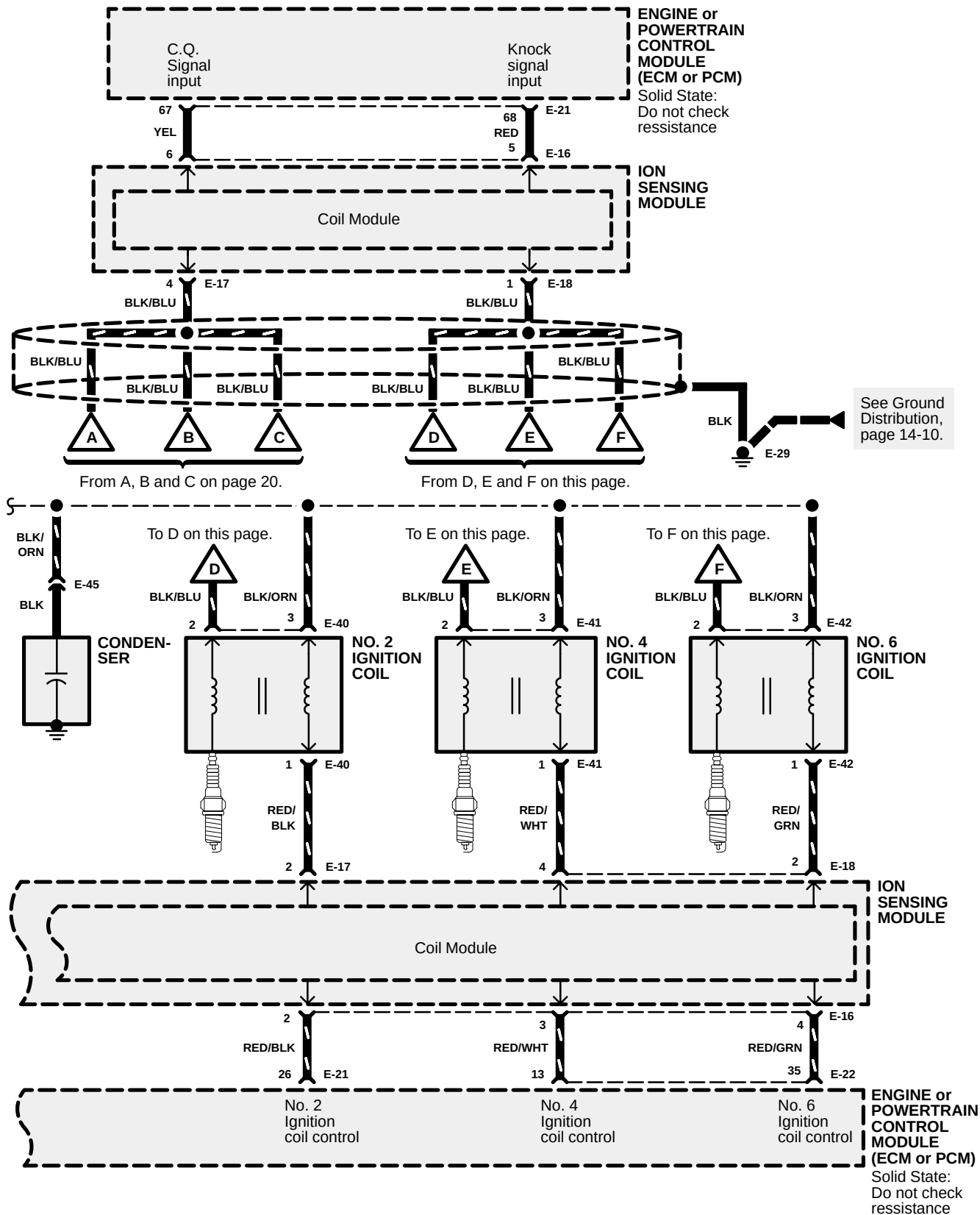
IGNITION SYSTEM

Circuit Schematic



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Component Location Index

(Refer to Section 201 for photographs.)

Component		Photo No.
Condenser	Top right front of engine	10
Dash Fuse Box	Behind left dash side trim panel	55
Engine or Powertrain Control		
Module (ECM or PCM)	Right side of engine compartment	60
ION Sensing Module	Top of engine	28
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-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-29	Top left side of engine	32

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), the ION sensing module, 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 sends a signal to the ION sensing module, 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.