

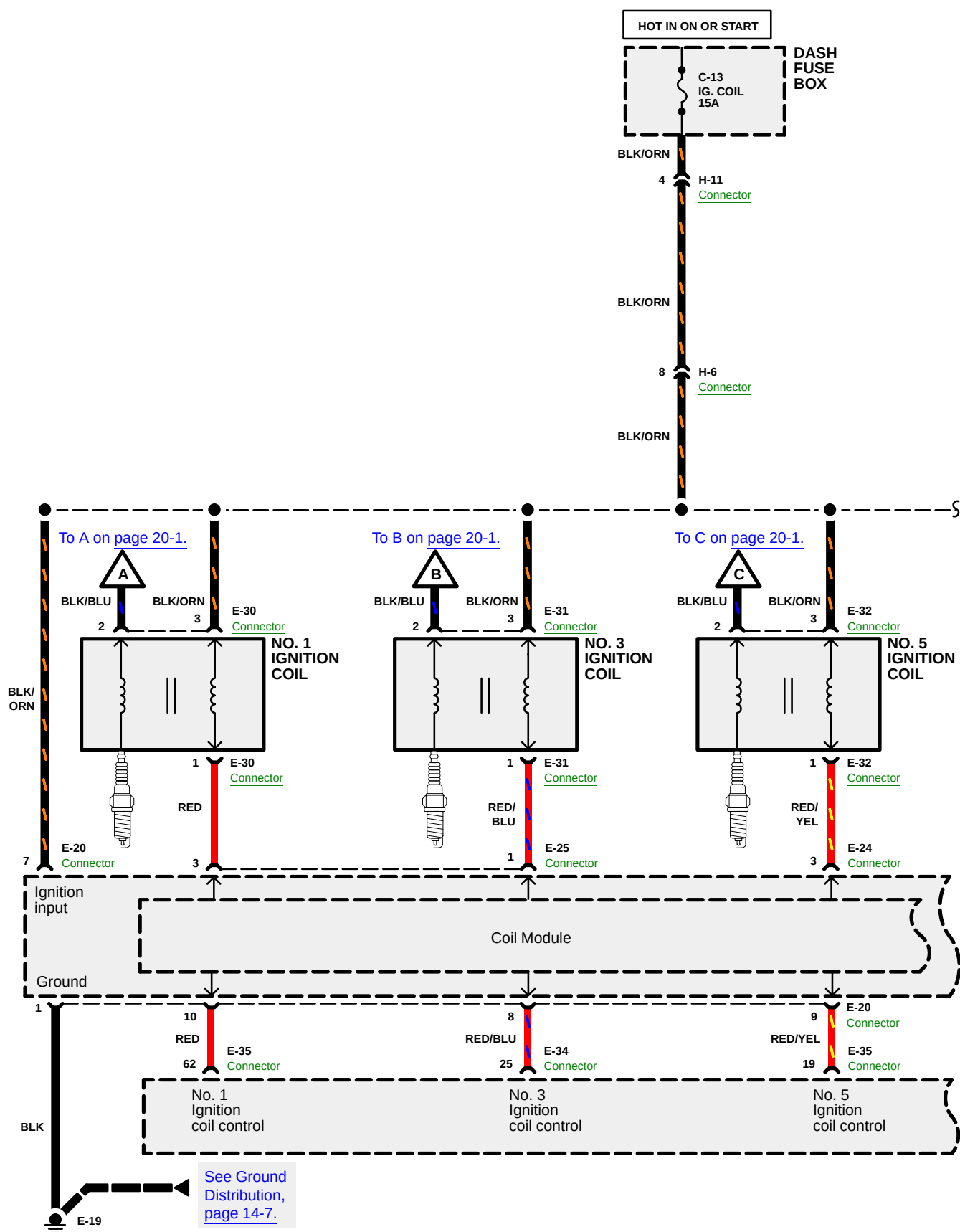
IGNITION SYSTEM

Component Index

- Dash Fuse Box
- 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
- Powertrain Control Module (PCM)

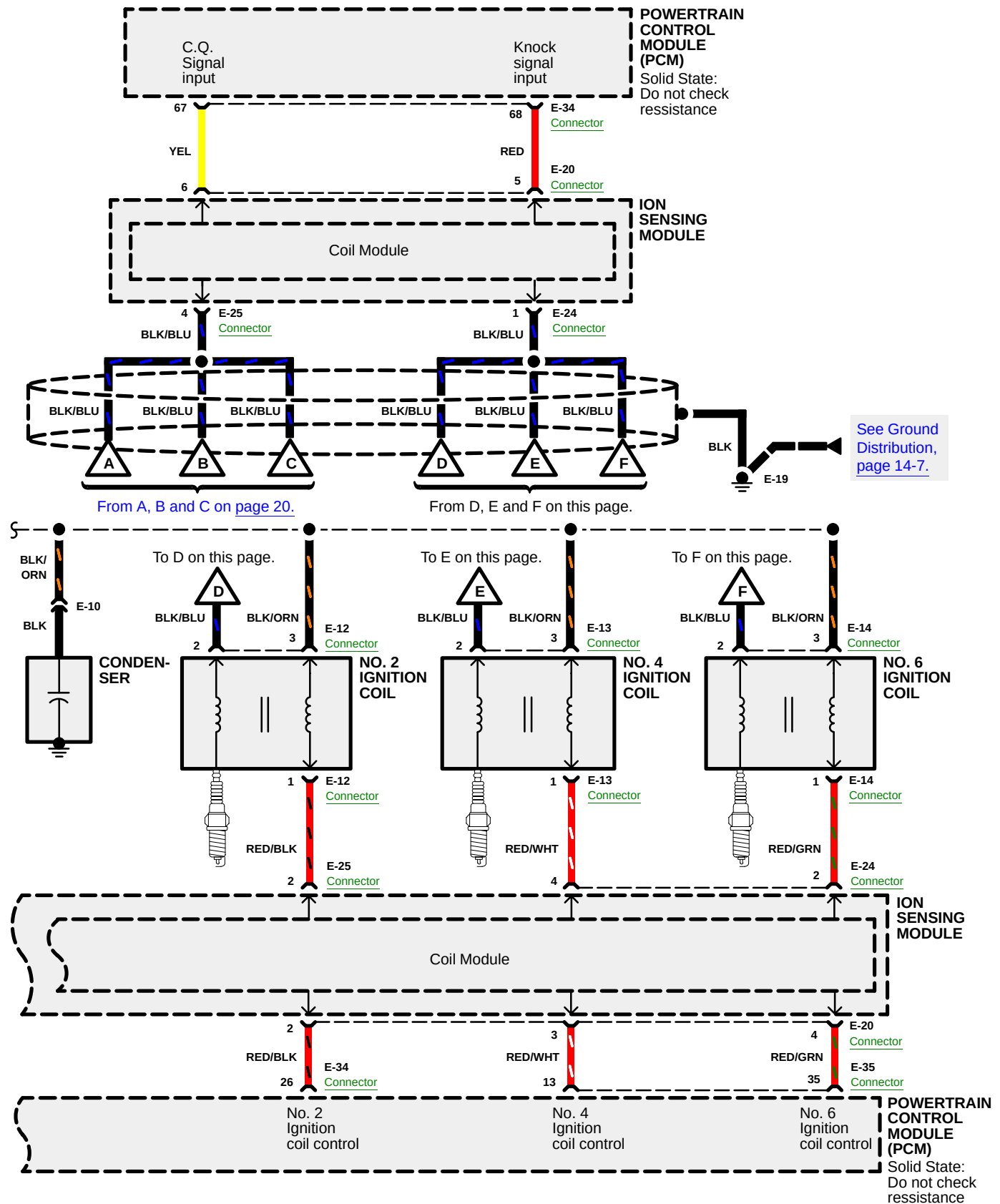
IGNITION SYSTEM

Circuit Schematic



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Component Location Index

(Refer to Section 201 for photographs.)

Component		Photo No.
Condenser	Right front of engine	32
Dash Fuse Box	Behind left I/P side trim panel	42
Ion Sensing Module	Top rear of engine	18
No. 1 Ignition Coil	Right side of engine	21
No. 2 Ignition Coil	Left side of engine	22
No. 3 Ignition Coil	Right side of engine	21
No. 4 Ignition Coil	Left side of engine	22
No. 5 Ignition Coil	Right side of engine	21
No. 6 Ignition Coil	Left side of engine	22
Powertrain Control Module (PCM)	Left side of engine compartment	26
Connector		
E-10 (1-BLK)	Left front of engine	32
E-12 (3-BLK)	Left side of engine	22
E-13 (3-BLK)	Left side of engine	22
E-14 (3-BLK)	Left side of engine	22
E-30 (3-BLK)	Right side of engine	21
E-31 (3-BLK)	Right side of engine	21
E-32 (3-BLK)	Right side of engine	21
H-6 (16-BLK)	Left side of engine compartment	31
H-11 (19-BLK)	Behind left kick panel	46
Ground		
E-19	Left side of engine	24

Circuit Operation

With the starter switch in ON or START, battery voltage is applied to the Powertrain Control Module (PCM), various engine sensors, and ignition coils and ION Sensing Module. When the engine is cranked to start, the crank shaft position (CKP) sensor sends timing information directly to the 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 PCM receives information such as firing order and starting timing at each ignition coil from the CKP sensor. The PCM relies on information from various engine sensors to determine correct ignition timing.