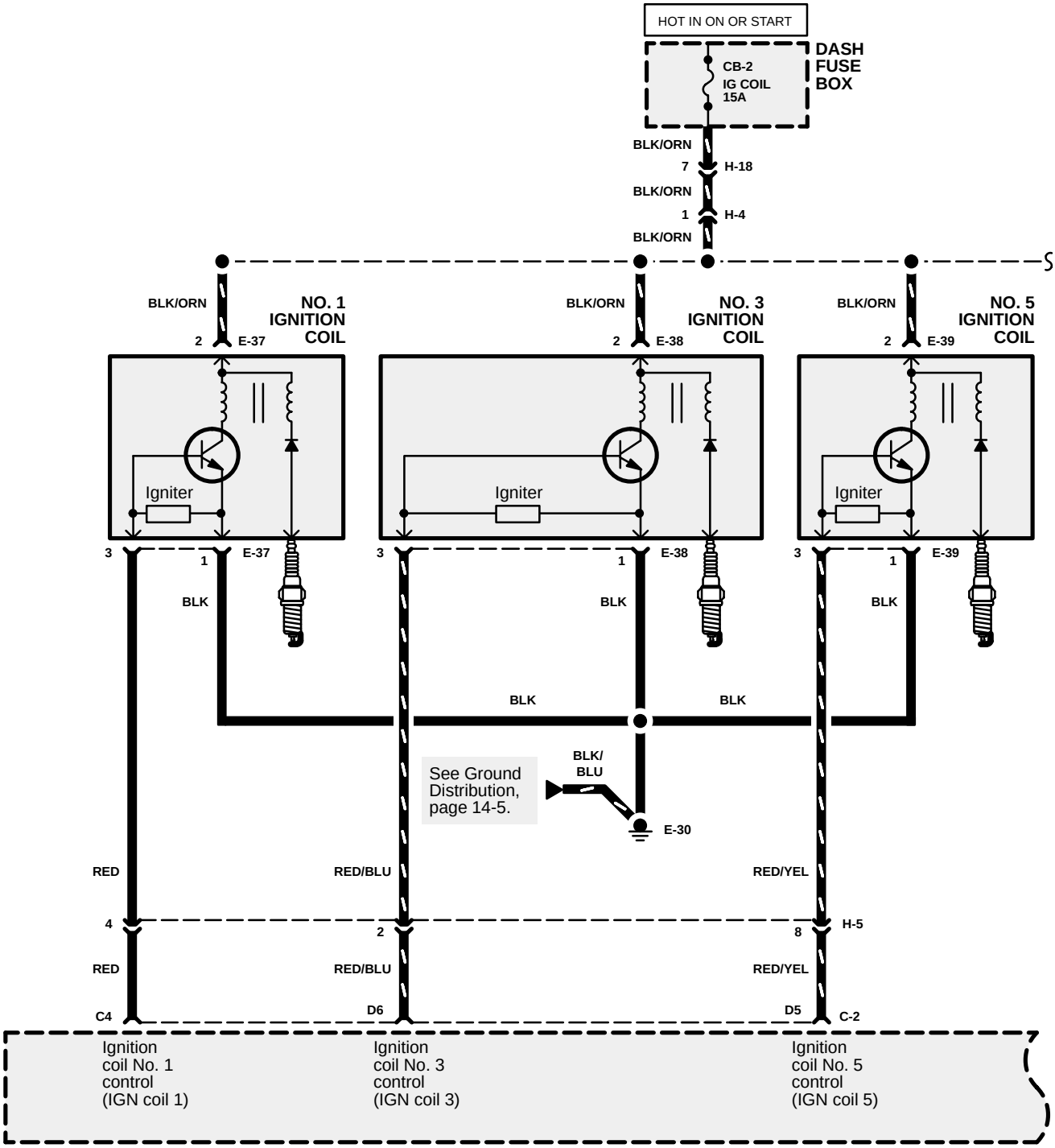
IGNITION SYSTEM

Component Index

Condenser
Dash Fuse Box
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)

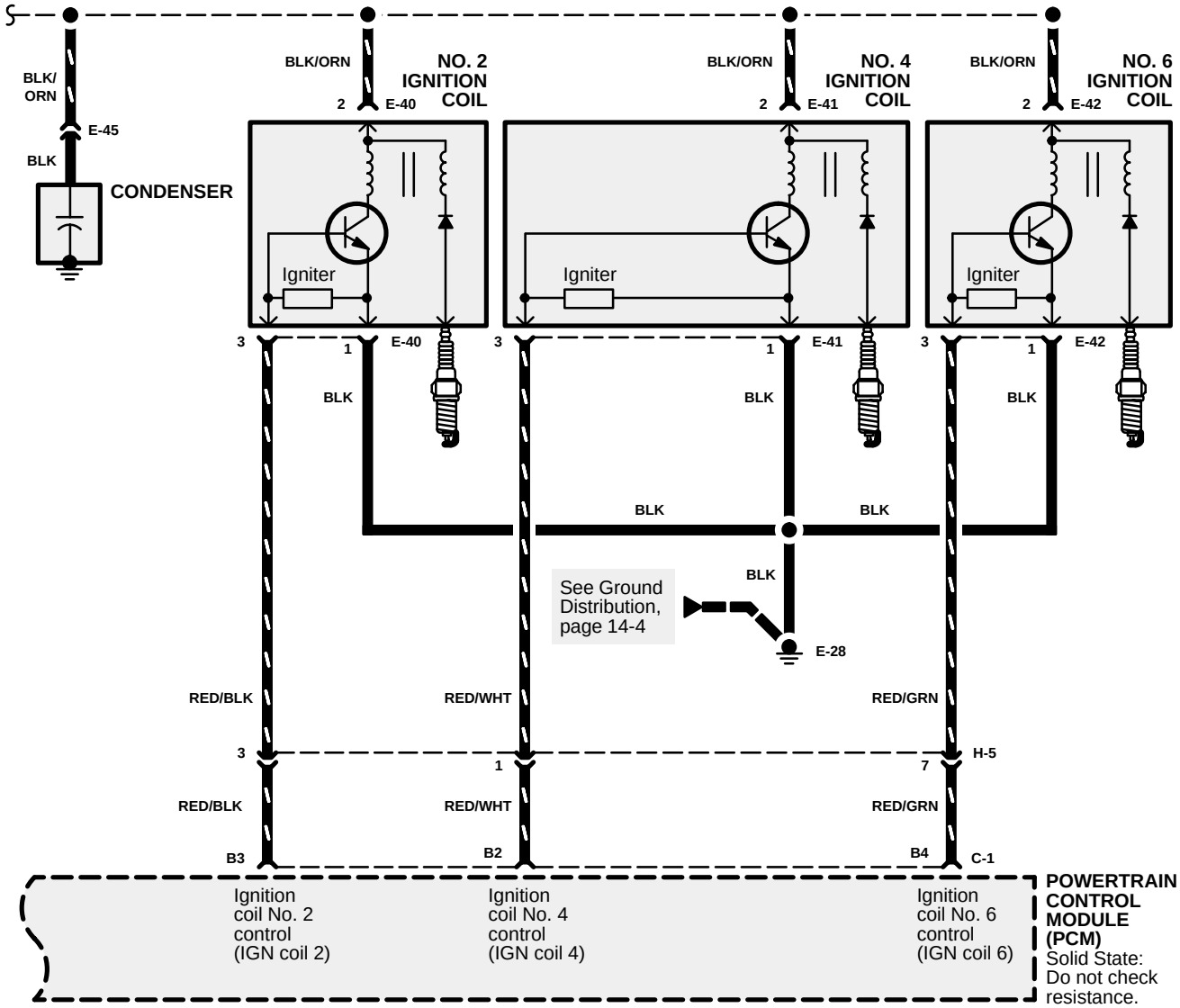
IGNITION SYSTEM

Circuit Schematic



IGNITION SYSTEM

Circuit Schematic



IGNITION SYSTEM

Component Location Index

(Refer to Section 201 for photographs.)

Component		Photo No.
Condenser	Top right front of engine	29
Dash Fuse Box	Behind left I/P side trim panel	36
No. 1 Ignition Coil	Right side of engine	31
No. 2 Ignition Coil	Left side of engine	27
No. 3 Ignition Coil	Right side of engine	31
No. 4 Ignition Coil	Left side of engine	27
No. 5 Ignition Coil	Right side of engine	31
No. 6 Ignition Coil	Left side of engine	27
Powertrain Control Module (PCM)	Behind front console	52
Connector		
E-45 (1-BLK)	Top right front of engine	29
H-4 (16-BLU)	Left rear of engine compartment on bracket	15
H-5 (16-GRN)	Left rear of engine compartment on bracket	15
H-18 (20-WHT)	Behind I/P right side panel	58
Ground		
E-28	Top left rear of engine	28
E-30	Top right rear of engine	32

Circuit Operation

With the starter switch in ON or START, battery voltage is applied to the Powertrain Control Module (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 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.