

Diagram illustrating the vacuum system components and their locations on the engine:

- FRONT OF VEHICLE**: Indicated by an arrow pointing towards the left side of the diagram.
- BYPASS CONTROL SOLENOID VALVE**: Located near the top of the engine, with a callout for Troubleshooting, page 6-203.
- MAINFOLD ABSOLUTE PRESSURE (MAP) SENSOR**: Located near the top of the engine, with a callout for Troubleshooting, page 6-148.
- VACUUM TANK**: A cylindrical component connected to the vacuum lines.
- CHECK VALVE**: A component located on the vacuum line between the solenoid valve and the vacuum tank.
- Callouts 12 and 21**: Numbered circles indicating specific connection points or components on the vacuum lines.

CHARCOAL CANISTER
Test, page 6-216

BYPASS CONTROL SOLENOID VALVE
Troubleshooting, page 6-203

MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
Troubleshooting, page 6-148

VACUUM TANK

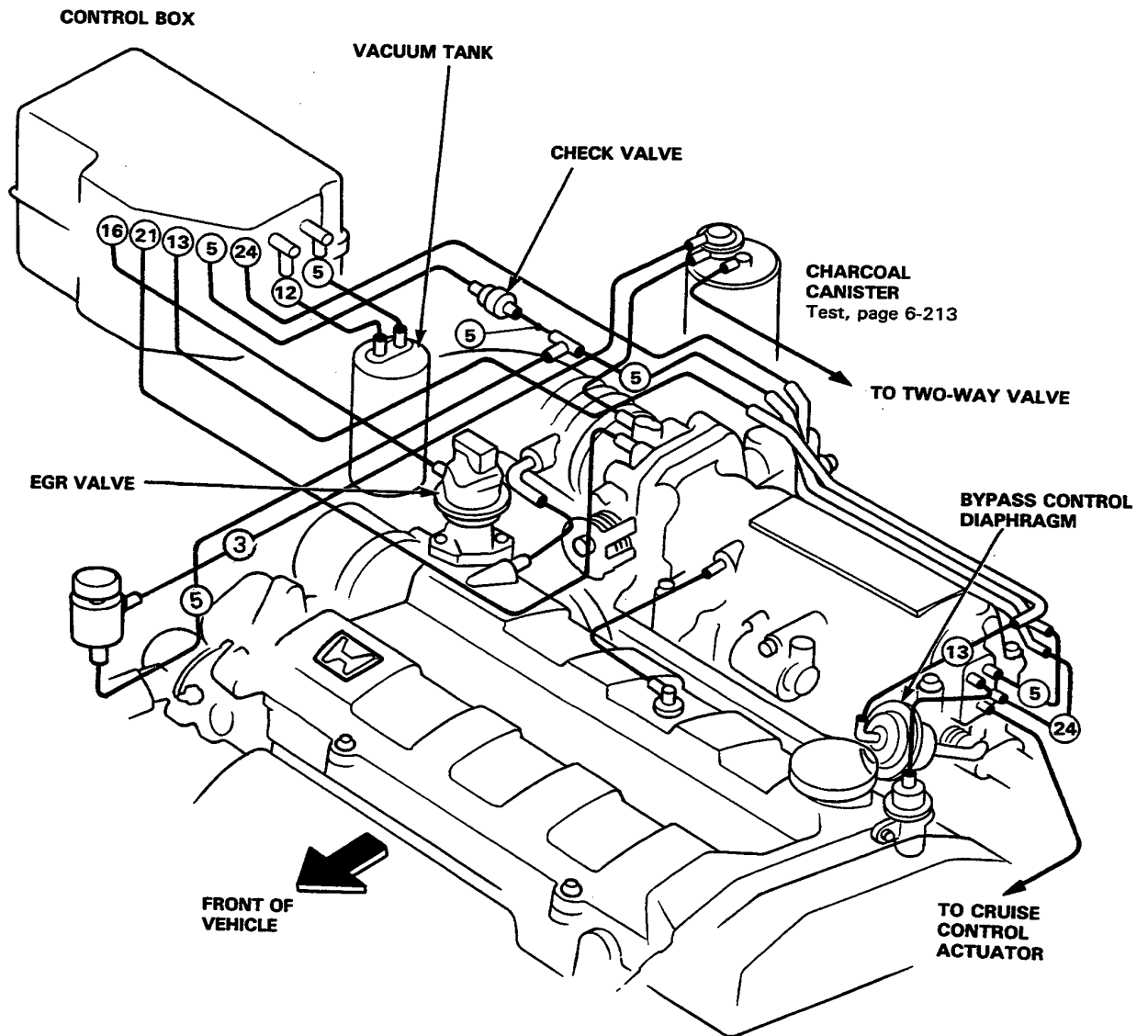
CHECK VALVE

FRONT OF VEHICLE

TO TWO-WAY VALVE

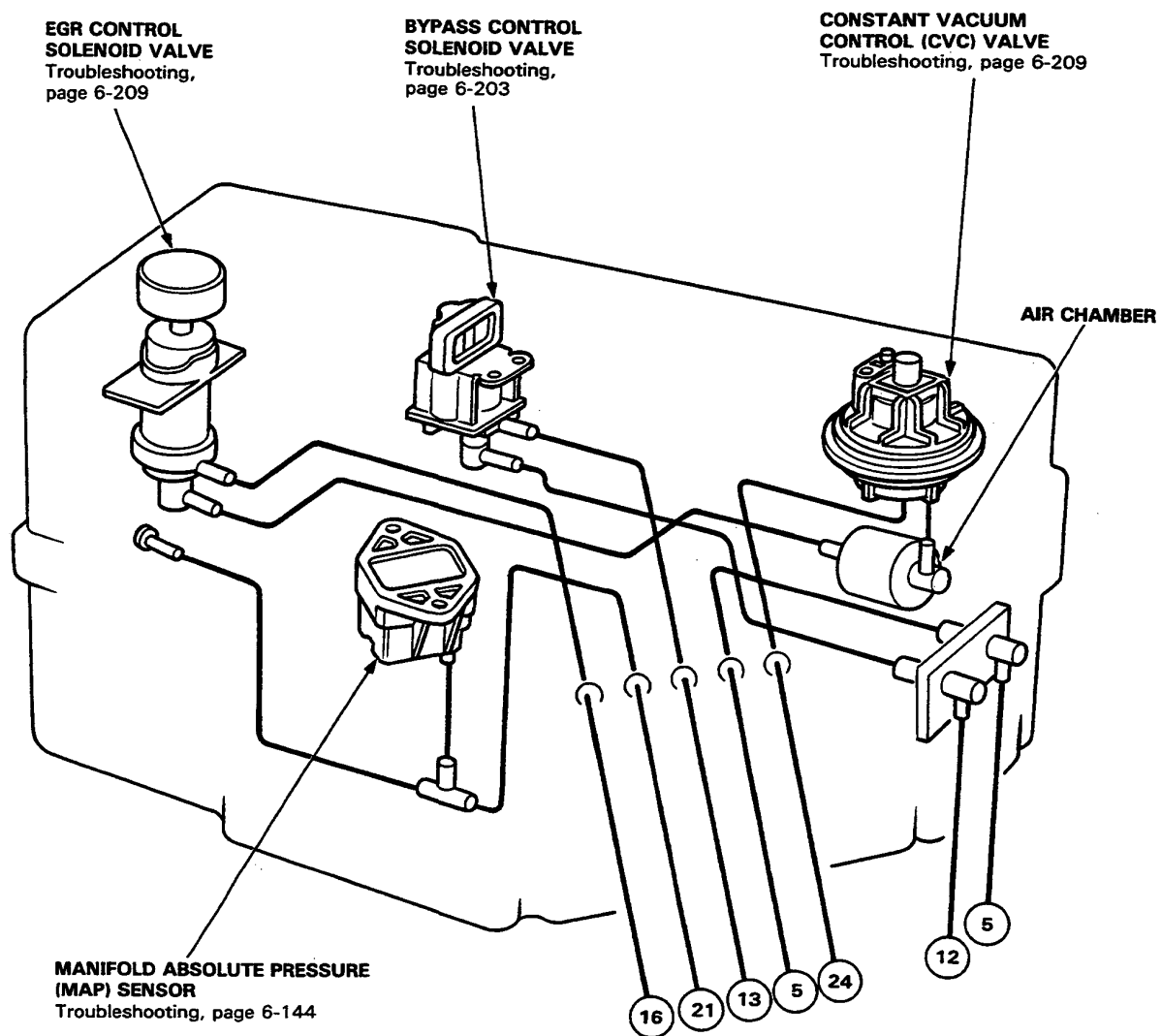
Vacuum Connections

[KX, KS, KZ]





Control Box



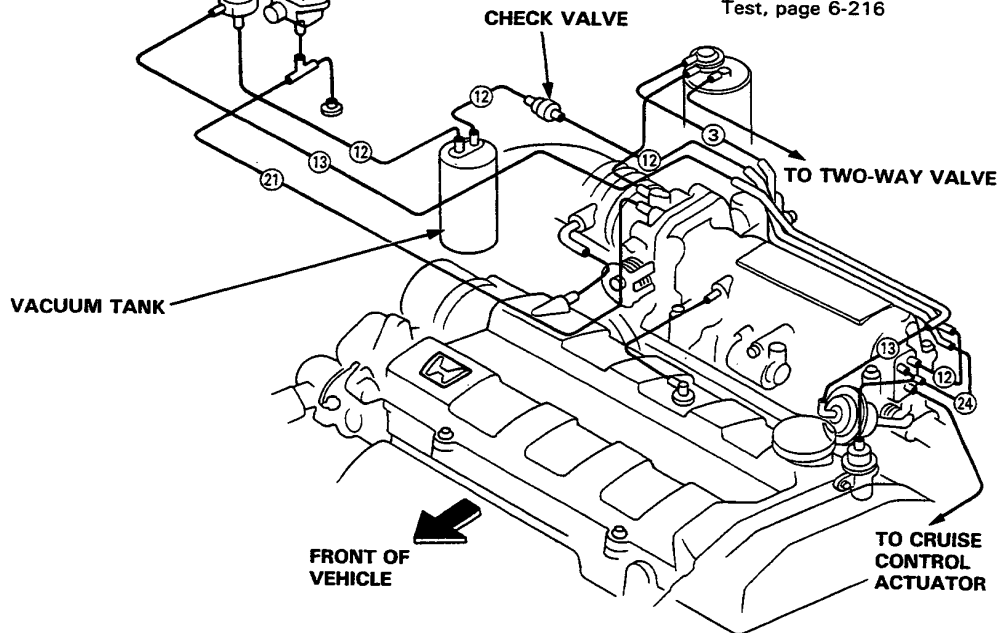
Vacuum Connections

[KY]

BYPASS CONTROL SOLENOID VALVE
Troubleshooting, page 6-203

MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
Troubleshooting, page 6-148

CHARCOAL CANISTER
Test, page 6-216



[KF, KG, KW, KB]

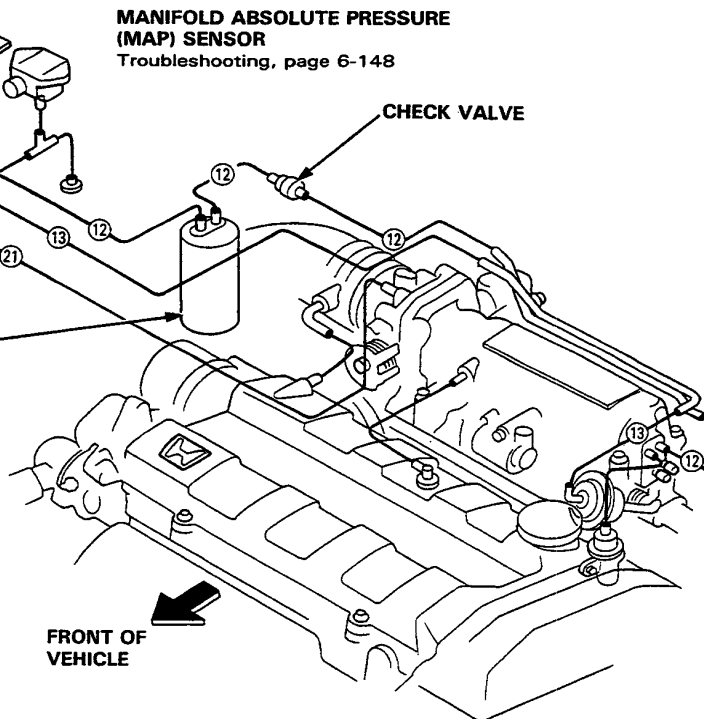
BYPASS CONTROL SOLENOID VALVE
Troubleshooting, page 6-203

MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
Troubleshooting, page 6-148

CHECK VALVE

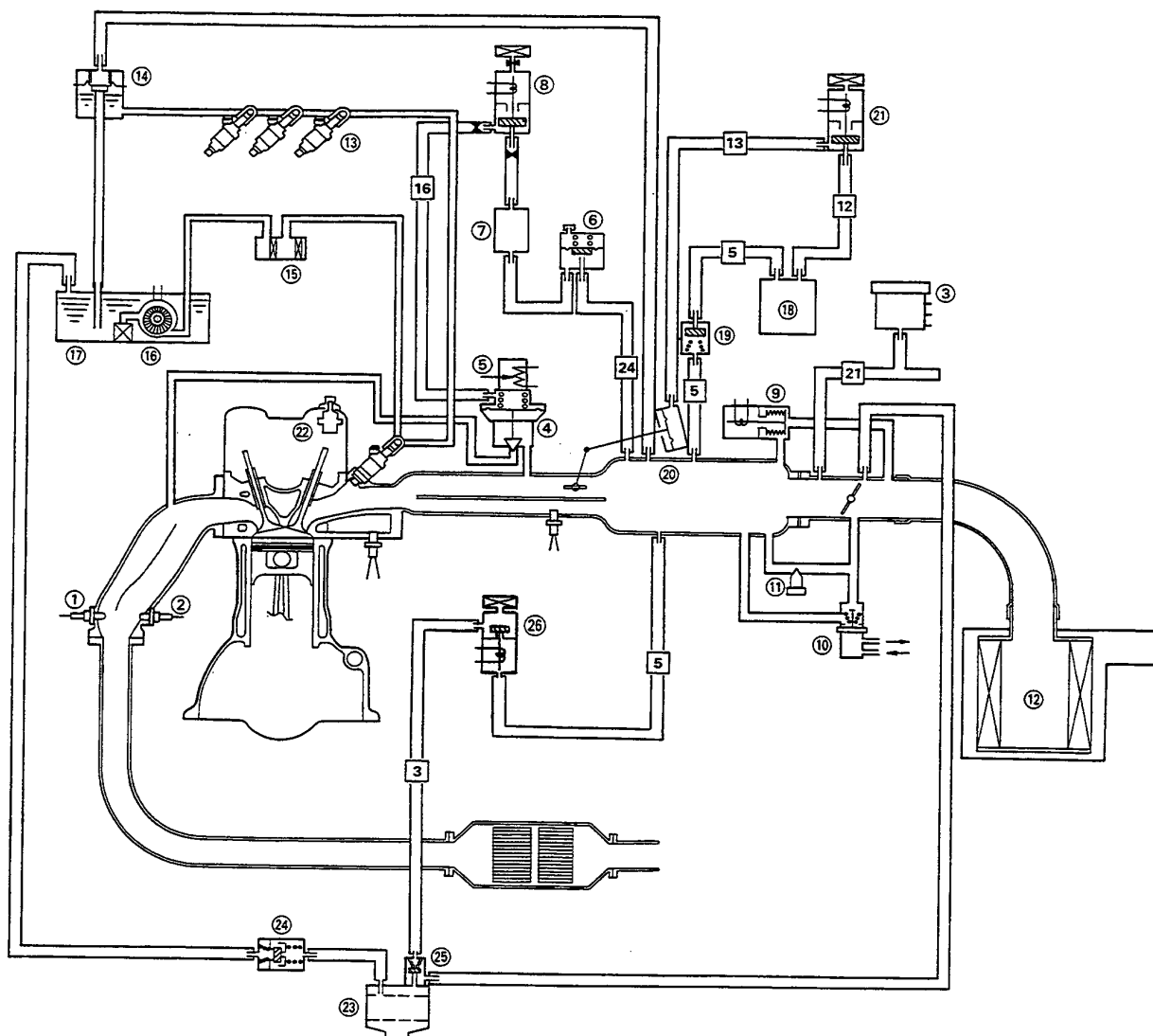
VACUUM TANK

FRONT OF VEHICLE





[KX, KS, KZ]

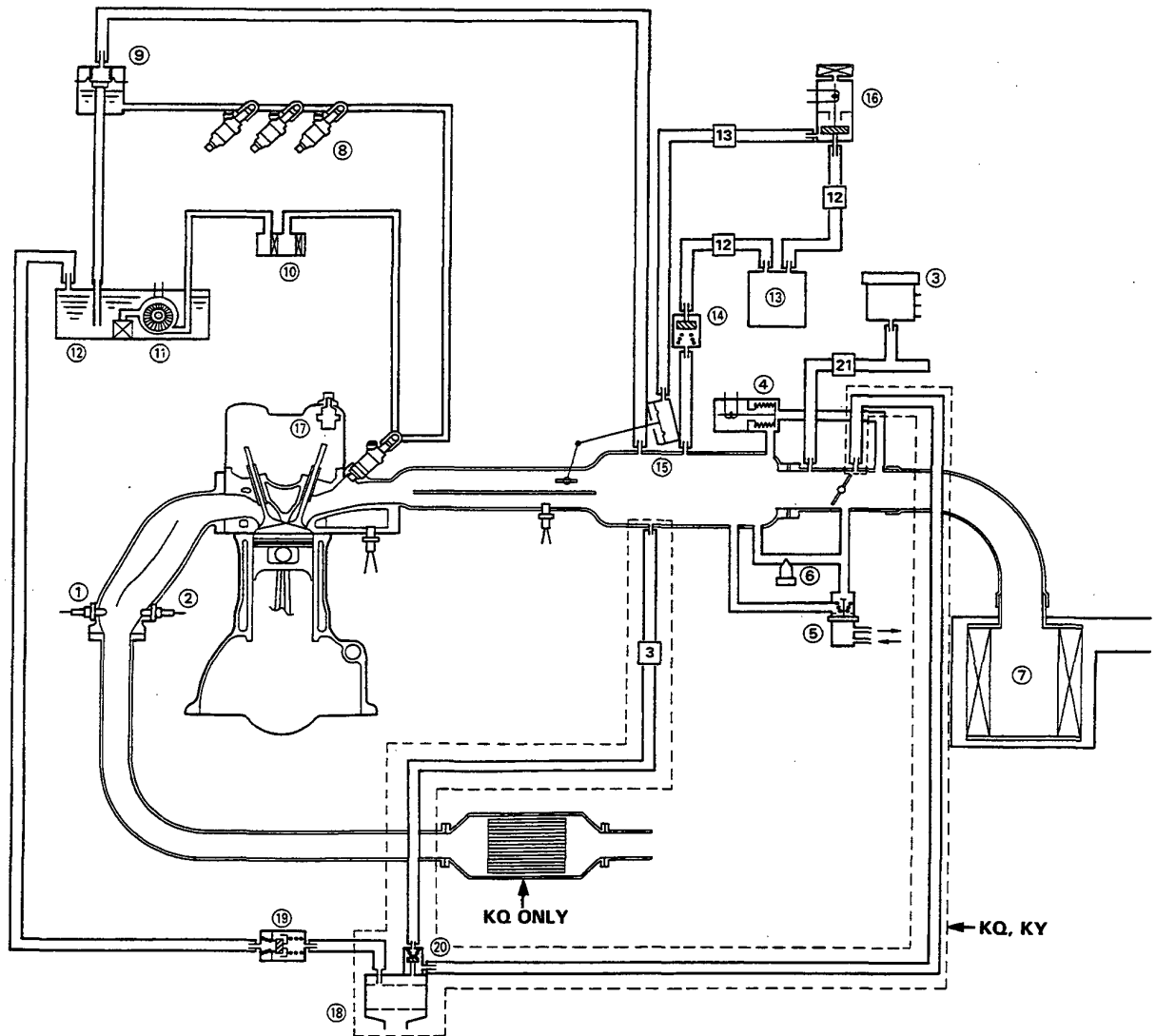


- ① OXYGEN (O₂) SENSOR A
- ② OXYGEN (O₂) SENSOR B
- ③ MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
- ④ EGR VALVE
- ⑤ EGR VALVE LIFT SENSOR
- ⑥ CONSTANT VACUUM CONTROL (CVC) VALVE
- ⑦ AIR CHAMBER
- ⑧ EGR CONTROL SOLENOID VALVE
- ⑨ ELECTRONIC AIR CONTROL VALVE (EACV)
- ⑩ FAST IDLE VALVE
- ⑪ IDLE ADJUSTING SCREW
- ⑫ AIR CLEANER
- ⑬ FUEL INJECTOR

- ⑭ PRESSURE REGULATOR
- ⑮ FUEL FILTER
- ⑯ FUEL PUMP
- ⑰ FUEL TANK
- ⑱ VACUUM TANK
- ⑲ CHECK VALVE
- ⑳ BYPASS CONTROL DIAPHRAGM
- ㉑ BYPASS CONTROL SOLENOID VALVE
- ㉒ PCV VALVE
- ㉓ CHARCOAL CANISTER
- ㉔ TWO-WAY VALVE
- ㉕ PURGE CONTROL DIAPHRAGM VALVE
- ㉖ PURGE CUT-OFF SOLENOID VALVE

Vacuum Connections

[Except KX, KS, KZ]



- ① OXYGEN (O₂) SENSOR A (KQ ONLY)
- ② OXYGEN (O₂) SENSOR B (KQ ONLY)
- ③ MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
- ④ ELECTRONIC AIR CONTROL VALVE (EACV)
- ⑤ FAST IDLE VALVE
- ⑥ IDLE ADJUSTING SCREW
- ⑦ AIR CLEANER
- ⑧ FUEL INJECTOR
- ⑨ PRESSURE REGULATOR
- ⑩ FUEL FILTER

- ⑪ FUEL PUMP
- ⑫ FUEL TANK
- ⑬ VACUUM TANK
- ⑭ CHECK VALVE
- ⑮ BYPASS CONTROL DIAPHRAGM
- ⑯ BYPASS CONTROL SOLENOID VALVE
- ⑰ PCV VALVE
- ⑱ CHARCOAL CANISTER (KQ, KY)
- ⑲ TWO-WAY VALVE
- ⑳ PURGE CONTROL DIAPHRAGM VALVE (KQ, KY)