



SEN5152-01
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Schematic

3406B (PEEC III) Diesel Truck Engine

4CK1-845

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Wiring Diagram Details:

- Sensors:** Rack Position, Engine Speed, Timing Position, Timing Solenoid, Rack Solenoid, Shutoff Solenoid, Coolant Temp, Throttle Position, Vehicle Speed Buffer, Vehicle Speed Sensor.
- Control Group (PEEC III):** Includes various solenoids and sensors connected to the engine control unit.
- Engine Control Unit (ECU):** Shows inputs and outputs for various sensors and solenoids, including a 12V battery connection.
- Engine Components:** Alternator, Engine Brake, Starter Motor, Engine Protection Systems, Key Switch, Engine Brake Relay, Engine Brake 1/2 Solenoid Circuit, Engine Brake 2 Half/Full Switch.
- Wiring Notes:**
 - NOTE F:** NO ADDITIONAL CONNECTIONS ARE ALLOWED TO ANY WIRES TO THE LEFT OF LINE WITHOUT CATERPILLAR ENGINEERING REVIEW. CIRCUITS TO THE RIGHT OF THE LINE ARE RECOMMENDATIONS.
 - NOTE G:** CRANK LINE USED FOR 3406 PEEC III 12 V OPERATION ONLY.
 - NOTE H:** WHEN CRUISE CONTROL IS USED WITH ALLISON MT SERIES TRANSMISSION, THE CLUTCH SWITCH MUST BE REPLACED BY A JUMPER FROM P7-31 TO P7-2.
 - NOTE I:** THE CYLINDER HEAD GROUND STUD MUST HAVE A DIRECT WIRE CONNECTION TO BATTERY(-). THIS CONNECTION CAN BE MADE AT THE STARTER (-) TERMINAL OR MAIN FRAME GROUND LUG. (4 AWG WIRE MINIMUM).