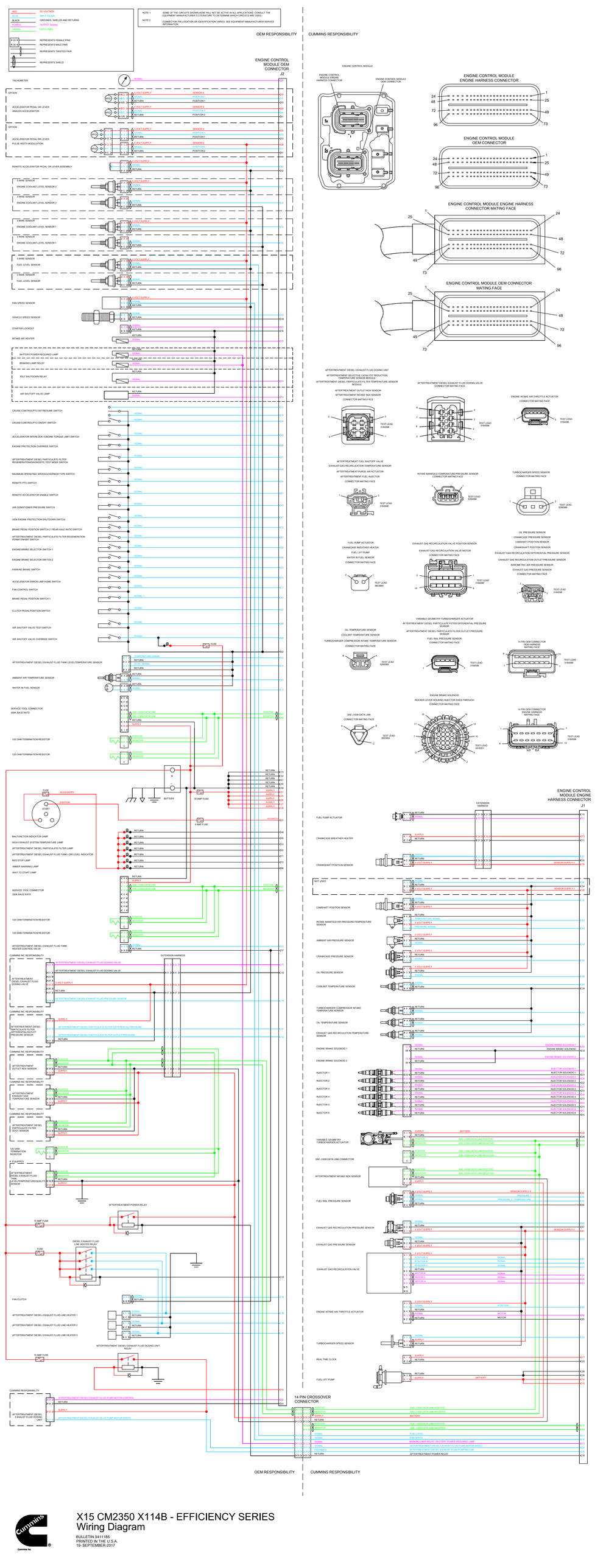
RED DC VOLTAGE
BLUE UNIT SIGNAL
BLACK GROUNDS, SHIELDS AND RETURNS
ORANGE OUTPUT SIGNAL
GREEN DATA LINKS
REPRESENTS FEMALE PINS
REPRESENTS MALE PINS
REPRESENTS TWISTED PAIR
REPRESENTS SHIELD
NOTE 1 SOME OF THE CIRCUITS SHOWN HERE WILL NOT BE ACTIVE IN ALL APPLICATIONS. CONSULT THE EQUIPMENT MANUFACTURER'S LITERATURE TO DETERMINE WHICH CIRCUITS ARE USED.
NOTE 2 CONNECTOR PIN LOCATION OR IDENTIFICATION VARIES. SEE EQUIPMENT MANUFACTURER SERVICE INFORMATION.
OEM RESPONSIBILITY
CUMMINS RESPONSIBILITY
ENGINE CONTROL MODULE OEM CONNECTOR J2
ENGINE CONTROL MODULE
ENGINE CONTROL MODULE ENGINE HARNESS CONNECTOR
ENGINE CONTROL MODULE OEM CONNECTOR
ENGINE CONTROL MODULE ENGINE HARNESS CONNECTOR MATING FACE
ENGINE CONTROL MODULE OEM CONNECTOR MATING FACE
TACHOMETER
OPTION
ACCELERATOR PEDAL OR LEVER ANALOG ACCELERATOR
ACCELERATOR PEDAL OR LEVER PULSE WIDTH MODULATION
REMOTE ACCELERATOR PEDAL OR LEVER ASSEMBLY
3 WIRE SENSOR
ENGINE COOLANT LEVEL SENSOR 2
ENGINE COOLANT LEVEL SENSOR 1
FUEL LEVEL SENSOR
FAN SPEED SENSOR
VEHICLE SPEED SENSOR
STARTER LOCKOUT
INTAKE AIR HEATER
BATTERY POWER REQUIRED LAMP
BRAKING LAMP RELAY
IDLE SHUTDOWN RELAY
AIR SHUTOFF VALVE LAMP
CRUISE CONTROL/PTO SET/RESUME SWITCH
CRUISE CONTROL/PTO ON/OFF SWITCH
ACCELERATOR INTERLOCK / ENGINE TORQUE LIMIT SWITCH
ENGINE PROTECTION OVERRIDE SWITCH
AFTERTREATMENT DIESEL PARTICULATE FILTER REGENERATION/DIAGNOSTIC TEST MODE SWITCH
MAXIMUM OPERATING SPEED/GOVERNOR TYPE SWITCH
REMOTE PTO SWITCH
REMOTE ACCELERATOR ENABLE SWITCH
AIR CONDITIONER PRESSURE SWITCH
OEM ENGINE PROTECTION SHUTDOWN SWITCH
BRAKE PEDAL POSITION SWITCH 2 / REAR AXLE RATIO SWITCH
AFTERTREATMENT DIESEL PARTICULATE FILTER REGENERATION PERMIT/INHIBIT SWITCH
ENGINE BRAKE SELECTION SWITCH 1
ENGINE BRAKE SELECTION SWITCH 2
PARKING BRAKE SWITCH
ACCELERATOR ERROR LAMP HOME SWITCH
FAN CONTROL SWITCH
BRAKE PEDAL POSITION SWITCH 1
CLUTCH PEDAL POSITION SWITCH
AIR SHUTOFF VALVE TEST SWITCH
AIR SHUTOFF VALVE OVERRIDE SWITCH
FUSE
AFTERTREATMENT DIESEL EXHAUST FLUID TANK LEVEL/TEMPERATURE SENSOR
AMBIENT AIR TEMPERATURE SENSOR
WATER IN FUEL SENSOR
SERVICE TOOL CONNECTOR 500K BAUD RATE
120 OHM TERMINATION RESISTOR
120 OHM TERMINATION RESISTOR
FUSE
ACCESSORY
IGNITION
START
BATTERY
30 AMP FUSE
5 AMP FUSE
MALFUNCTION INDICATOR LAMP
HIGH EXHAUST SYSTEM TEMPERATURE LAMP
AFTERTREATMENT DIESEL PARTICULATE FILTER LAMP
AFTERTREATMENT DIESEL EXHAUST FLUID TANK LOW LEVEL INDICATOR
RED STOP LAMP
AMBER WARNING LAMP
WAIT TO START LAMP
SERVICE TOOL CONNECTOR 250K BAUD RATE
120 OHM TERMINATION RESISTOR
120 OHM TERMINATION RESISTOR
AFTERTREATMENT DIESEL EXHAUST FLUID TANK HEATER CONTROL VALVE
CUMMINS INC RESPONSIBILITY
EXTENSION HARNESS
AFTERTREATMENT DIESEL EXHAUST FLUID DOSING VALVE
AFTERTREATMENT DIESEL EXHAUST FLUID DOSING VALVE
AFTERTREATMENT DIESEL EXHAUST FLUID PRESSURE SENSOR
AFTERTREATMENT DIESEL PARTICULATE FILTER DIFFERENTIAL PRESSURE / OUTLET PRESSURE SENSOR
AFTERTREATMENT DIESEL PARTICULATE FILTER DIFFERENTIAL PRESSURE
AFTERTREATMENT DIESEL PARTICULATE FILTER OUTLET PRESSURE
AFTERTREATMENT OUTLET NOX SENSOR
AFTERTREATMENT INTAKE NOX SENSOR
AFTERTREATMENT DIESEL EXHAUST FLUID TEMPERATURE/QUALITY SENSOR
IF EQUIPPED
AFTERTREATMENT POWER RELAY
5 AMP FUSE
DIESEL EXHAUST FLUID LINE HEATER RELAY
FAN CLUTCH
AFTERTREATMENT DIESEL EXHAUST FLUID LINE HEATER 1
AFTERTREATMENT DIESEL EXHAUST FLUID LINE HEATER 2
AFTERTREATMENT DIESEL EXHAUST FLUID LINE HEATER 3
AFTERTREATMENT DIESEL EXHAUST FLUID DOSING UNIT RELAY
10 AMP FUSE
AFTERTREATMENT DIESEL EXHAUST FLUID DOSING UNIT
AFTERTREATMENT DIESEL EXHAUST FLUID DOSING UNIT
AFTERTREATMENT DIESEL EXHAUST FLUID TEMPERATURE SENSOR
AFTERTREATMENT DIESEL EXHAUST FLUID PUMP
AFTERTREATMENT DIESEL EXHAUST FLUID PUMP MOTOR
AFTERTREATMENT DIESEL EXHAUST FLUID PUMP MOTOR SPEED
AFTERTREATMENT DIESEL EXHAUST FLUID DOSING VALVE CONNECTOR MATING FACE
ENGINE INTAKE AIR THROTTLE ACTUATOR CONNECTOR MATING FACE
TURBOCHARGER SPEED SENSOR CONNECTOR MATING FACE
OIL PRESSURE SENSOR
CRANKCASE PRESSURE SENSOR
CAMSHAFT POSITION SENSOR
EXHAUST GAS RECIRCULATION DIFFERENTIAL PRESSURE SENSOR
EXHAUST GAS RECIRCULATION OUTLET PRESSURE SENSOR
BAROMETRIC AIR PRESSURE SENSOR
EXHAUST GAS PRESSURE SENSOR
FUEL PUMP ACTUATOR
CRANKCASE BREATHER HEATER
FUEL LIFT PUMP
WATER IN FUEL SENSOR
EXHAUST GAS RECIRCULATION VALVE POSITION SENSOR
EXHAUST GAS RECIRCULATION VALVE MOTOR
INTAKE MANIFOLD TEMPERATURE/PRESSURE SENSOR
OIL TEMPERATURE SENSOR
COOLANT TEMPERATURE SENSOR
TURBOCHARGER COMPRESSOR INTAKE TEMPERATURE SENSOR
VARIABLE GEOMETRY TURBOCHARGER ACTUATOR
AFTERTREATMENT DIESEL PARTICULATE FILTER DIFFERENTIAL PRESSURE SENSOR
AFTERTREATMENT DIESEL PARTICULATE FILTER OUTLET PRESSURE SENSOR
FUEL RAIL PRESSURE SENSOR
14 PIN OEM CONNECTOR MATING FACE
ENGINE BRAKE SOLENOID
ROCKER LEVER HOLDING INJECTOR PASS-THROUGH
SAE J1939 DATA LINK
ENGINE CONTROL MODULE ENGINE HARNESS CONNECTOR J1
EXTENSION HARNESS
NOT USED
INJECTOR 1
INJECTOR 2
INJECTOR 3
INJECTOR 4
INJECTOR 5
INJECTOR 6
ENGINE BRAKE SOLENOID 1
ENGINE BRAKE SOLENOID 2
VARIABLE GEOMETRY TURBOCHARGER ACTUATOR
SAE J1939 DATA LINK CONNECTOR
AFTERTREATMENT INTAKE NOX SENSOR
FUEL RAIL PRESSURE SENSOR
EXHAUST GAS RECIRCULATION PRESSURE SENSOR
EXHAUST GAS PRESSURE SENSOR
EXHAUST GAS RECIRCULATION VALVE
ENGINE INTAKE AIR THROTTLE ACTUATOR
TURBOCHARGER SPEED SENSOR
REAL TIME CLOCK
FUEL LIFT PUMP
14 PIN CROSSOVER CONNECTOR
X15 CM2350 X114B - EFFICIENCY SERIES
Wiring Diagram
BULLETIN 5411185
PRINTED IN THE U.S.A.
19- SEPTEMBER-2017
Cummins Inc.