

# READ FREE SHIFT INTERLOCK CONTROL MODULE FOR FORD EXPLORER FULL PDF

THE ECM IS THE CENTER OF A SYSTEM WORKING WITH A HOST OF SENSORS ACTUATORS CONNECTORS AND WIRES SENSORS MONITORING HEAT VOLTAGE MOVEMENT LOCATION MAGNETIC FORCE AND PRESSURE MEASURE EVERYTHING FROM COOLANT TEMPERATURE TO CAM POSITION THESE SENSORS REPORT THEIR FINDINGS IN VOLTAGE OR GROUND THROUGH WIRES AND CONNECTORS THAT CARRY THE A CONTROL MODULE IS A COLLECTION OF SENSORS ACTUATORS AND BASIC CONTROL LOGIC THAT ACTS AS EITHER A REGULATING DEVICE A STATE ORIENTED DEVICE OR A COMBINATION THAT IS OPERATED AS A SINGLE DEVICE EXAMPLES OF CONTROL MODULES ARE PID CONTROLLERS AND BLOCK VALVE CONTROLLERS REFER FIGURE 4 8 AN ELECTRONIC CONTROL UNIT ECU ALSO KNOWN AS AN ELECTRONIC CONTROL MODULE ECM IS AN EMBEDDED SYSTEM IN AUTOMOTIVE ELECTRONICS THAT CONTROLS ONE OR MORE OF THE ELECTRICAL SYSTEMS OR SUBSYSTEMS IN A CAR OR OTHER MOTOR VEHICLE THE ENGINE CONTROL MODULE BASICALLY CONTROLS THE INTERSECTION OF THE ENGINE'S NECESSARY INGREDIENTS TO MAKE ENERGY FUEL AIR AND SPARK THAT SOUNDS SIMPLE KIND OF IN THE SAME WAY AN ENGINE ITSELF SOUNDS SIMPLE IF YOU BREAK IT DOWN INTO REALLY BASIC TERMS THE POWERTRAIN CONTROL MODULE AKA PCM IS YOUR VEHICLE'S BRAIN IT MANAGES THE ENGINE TRANSMISSION AND OTHER SYSTEMS BASED ON INFORMATION IT RECEIVES FROM VARIOUS SENSORS AROUND THE LEARN ABOUT ELECTRONIC CONTROL MODULE ECMS AND HOW THEY OPTIMIZE ENGINE PERFORMANCE AND PROVIDE EFFICIENCY AND RELIABILITY IN DIVERSE VEHICLE TECHNOLOGIES

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