

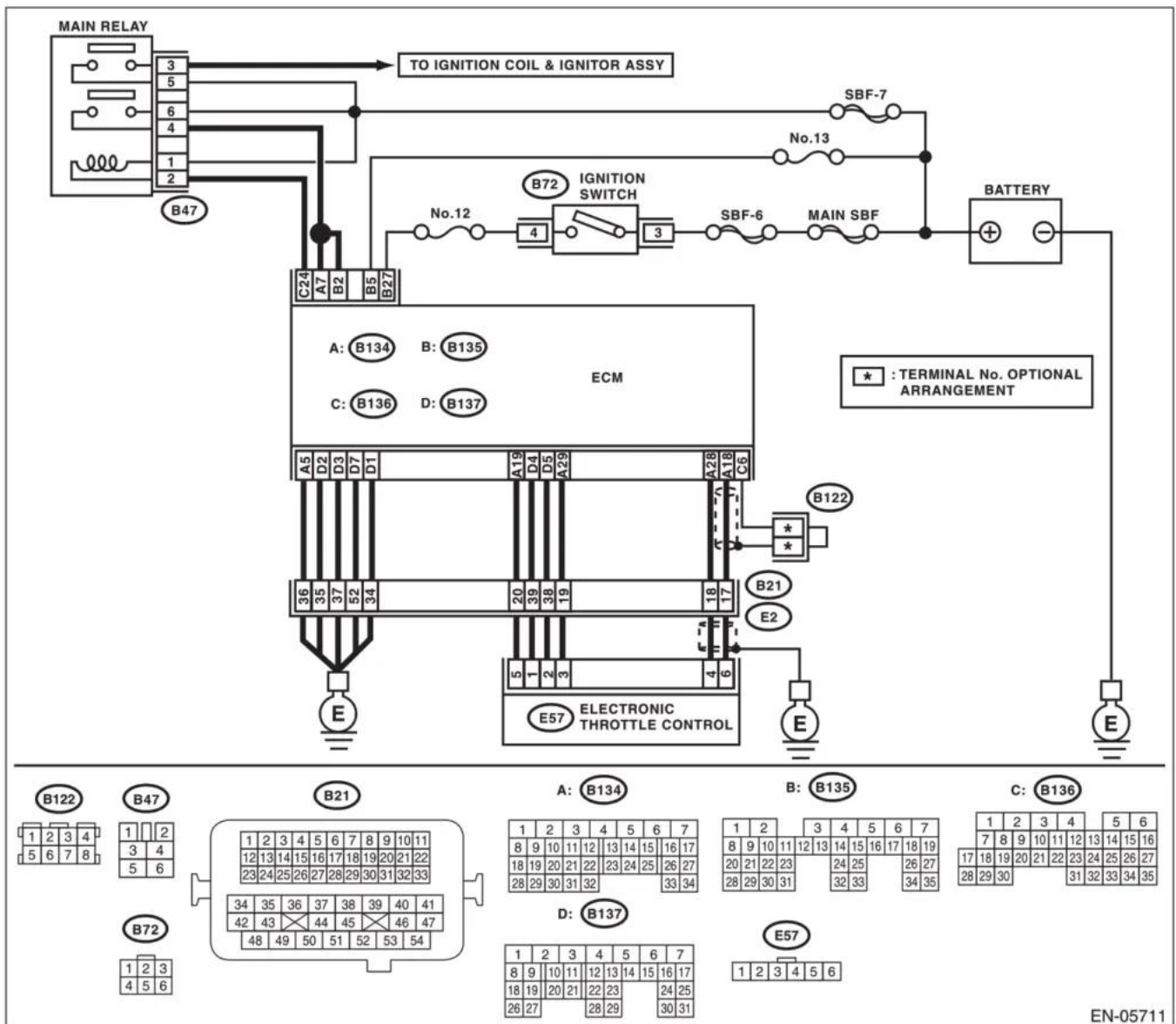
P0607: CONTROL MODULE PERFORMANCE

OVERVIEW

| | | |
|----------------------|---|---------------------|
| Severity | : | <div>High</div> |
| DIY Difficulty Level | : | <div>Advanced</div> |
| Repair Cost | : | \$300-\$900 |
| Can I Still Drive? | : | No |

What Does The P0607 Code Mean?

This code basically means that the programming the PCM/ECM (powertrain/engine control module) has failed. This can be a more serious code and may also be referred to as "ECM Internal Circuit Malfunction".



EN-05711

P0607 wiring diagram

What Are The Symptoms Of The P0607 Code?

The P0607 code will illuminate the MIL (Malfunction Indicator Lamp). Other potential symptoms of a P0607 include:

- Vehicle may also go into "limp-home" mode where it runs under reduced power
- No Start condition (cranks but does not start)
- May stop running while driving

What Are The Potential Causes Of The P0607 Code?

A P0607 could be caused by one or more of the following:

- Loose ground terminal on PCM/ECM
- Dead or defective (12V main) battery
- An open or short in the power or ground circuit
- Loose or corroded battery terminals
- Failed PCM/ECM

How Can You Fix The P0607 Code?

As a vehicle owner there isn't a whole lot you can do yourself to diagnose this DTC. The first thing to check is the battery, check the voltage, inspect for loose/corroded terminals, etc., do a load test on it too.

Also inspect the grounds/wiring at the PCM. If that's good the other common fixes for a P0607 Control Module Performance DTC seem to be either replace the PCM or update (re-flash) the PCM with updated software. Be sure to check for TSB's on your vehicle (Technical Service Bulletins) as there are known TSB's for this P0607 code for some Toyota and Ford vehicles.

If the PCM needs replacement, we strongly recommend you have a qualified repair shop / technician do the work, one that has the capability to reprogram the new PCM. Installing the new PCM may involve using special tools to program the vehicle's VIN (vehicle identification number) and/or anti-theft information (PATS, etc.).

NOTE: This repair may be covered under the emissions warranty so be sure to check with your dealer as this may be covered beyond the bumper-to-bumper or powertrain warranty period.

Other PCM DTC codes: [P0600](#), [P0601](#), [P0602](#), [P0603](#), [P0604](#), [P0605](#), [P0606](#), [P0608](#), [P0609](#), [P0610](#).

Reference Sources

[Diagnostic Trouble Code \(DTC\) Charts and Descriptions for P0607](#) - Page 91.