

Breadboard Analysis and Testing

The Operation Amplifier circuitry that continually failed during last project's testing is to be built and tested using a breadboard. Originally the failing operation amplifiers were to be first simulated using PSpice, but it was found to be more beneficial to use prototyping and breadboard testing to analyze the issue. In addition to the prototyping of the operation amplifiers, the voltage regulator circuitry for the microprocessor is to be built and tested using a breadboard.

Miscellaneous Engineering Analysis

Last year's project also encountered issues with several fuses and switches that are used on the ECU. These two items are to be analyzed initially through a review of the fuses and switches used in the circuit, the up to date circuit schematics, and datasheets in order to determine if any errors were made and if any further investigation is needed or if these were isolated issues that occurred only during their testing.