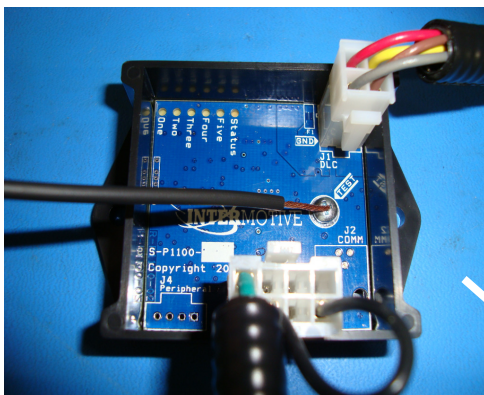


# AFIS III Fast Idle System Diagnostic Codes

## Diagnostics

Diagnostic mode is entered by momentarily grounding the mounting pad labeled "Test" on the module. This can be done with a simple jumper wire by holding one end to chassis ground, while touching the other end to the "Test" pad. The module provides diagnostic LEDs which illuminate according to the following table. To exit this mode simply cycle the key or momentarily ground the "Test" pad again.



## Fast Idle Status Codes

Status Codes provide the current status of the Fast Idle system. The on-board "Status" LED will flash a 2-digit code as shown in the table. The first digit will flash, wait half a second, flash the second digit, then wait one second before the next code. The Status Codes continue to flash until the module is reset (cycle key), or the test input is momentarily grounded again.

| LED #  | Diagnostic Mode LED Descriptions  |
|--------|---|
| 1      | On when fast idle is engaged  |
| 2      | On when any input trigger wire is active                                    |
| 3      | On when Gray RPM set wire is grounded                                       |
| 4      | On when the Parking Brake is applied with the parking brake trigger enabled |
| STATUS | Continuously flashes two digit status codes. See Status Code table          |

| AFIS Status Codes |                           |
|-------------------|---------------------------|
| Status Code       | Description               |
| 1-1               | Ready for fast idle       |
| 2-3               | Triggered: Parking Brake  |
| 2-4               | Triggered: VBAT Low       |
| 2-7               | Triggered: Engage Input 2 |
| 2-8               | Triggered: Engage Input 1 |
| 2-9               | Triggered: Engage Input 3 |
| 3-1               | RPM > 2800                |
| 3-2               | RPM < 200                 |
| 3-3               | TR not = to PARK          |
| 3-4               | VSS not = to 0 MPH        |
| 3-5               | Service Brake applied     |
| 3-7               | Unsafe; Need to cycle TR  |
| 3-8               | ECT > 230°F               |