

## Powertrain Control Hardware

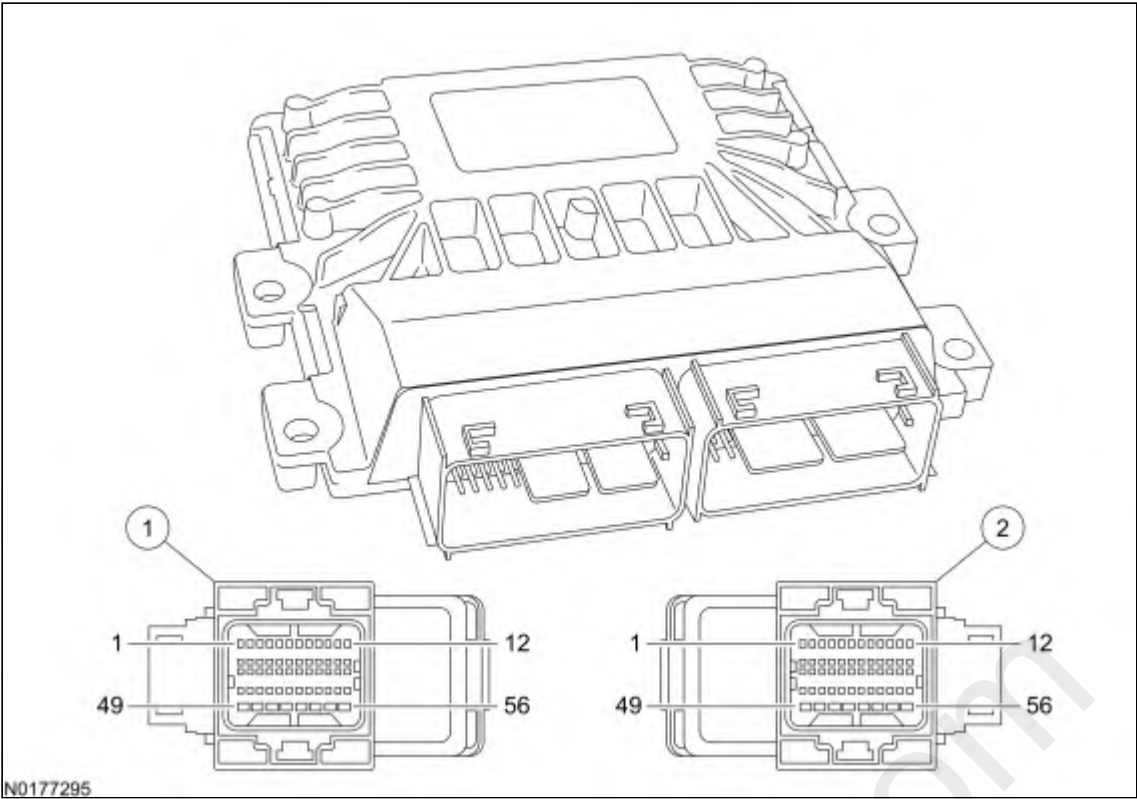
### Powertrain Control Module (PCM)

The center of the engine control (EC) system is a microprocessor called the PCM. The PCM receives input from sensors and other electronic components (switches, relays). Based on the information received and programmed into its memory, the PCM generates output signals to control various relays, solenoids and actuators. There are several different types of PCMs in use for this model year. Refer to the Vehicle PCM Application Table below for PCM types and their applications.

**Vehicle PCM Application Table**

| PCM Type | Applications                                                                                                                                                                                                                                                                                                                          |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 112 Pin  | EcoSport (1.5L Manual Transmission), KA (1.2L, 1.5L Manual Transmission)                                                                                                                                                                                                                                                              |
| 128 Pin  | Ranger (2.5L)                                                                                                                                                                                                                                                                                                                         |
| 198 Pin  | Continental, Corsair, E-Series, EcoSport (1.0L, 1.5L Automatic Transmission, 2.0L), Edge (2.0L), Escape/Kuga, Expedition, Explorer (2.3L), F-150 (3.5L), F-650 / F-750, Flex, Ford GT, Fusion, KA (1.5L Automatic Transmission), MKZ, Mustang (2.3L, 5.2L TIVCT), Nautilus (2.0L), Navigator, Ranger (2.3L), Transit, Transit Connect |
| 306 Pin  | Aviator, Edge (2.7L), Explorer (3.0L, 3.3L), F-150 (2.7L, 3.3L, 5.0L), F-Series Super Duty, Motorhome, Mustang (5.0L, 5.2L Supercharged), Nautilus (2.7L)                                                                                                                                                                             |

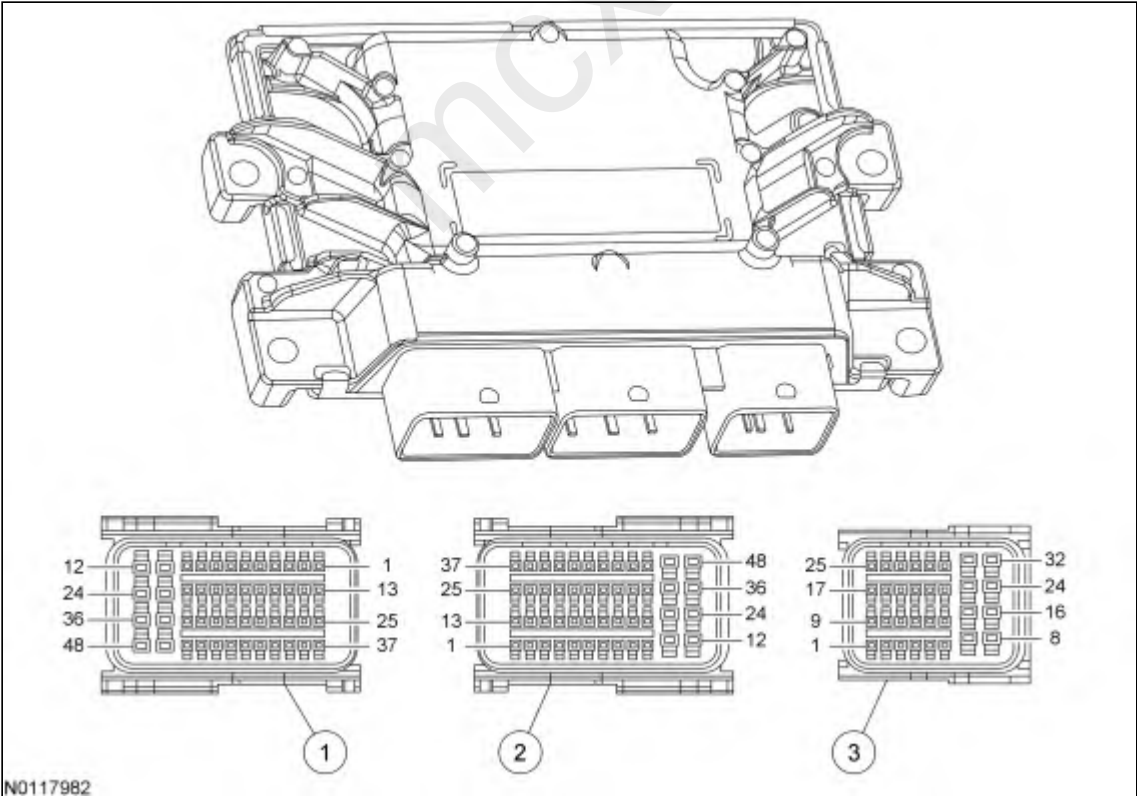
### 112 Pin PCM



N0177295

| Item | Number | Description |
|------|--------|-------------|
| 1    | —      | B Connector |
| 2    | —      | E Connector |

128 Pin PCM



N0117982

| Item | Number | Description |
|------|--------|-------------|
|------|--------|-------------|