

# iDash Parameter List - 2019 Cadillac CT6-V 4.2L Twin Turbo

| Air Density |                                 |          |
|-------------|---------------------------------|----------|
| Label       | Description                     | Unit     |
| AAD         | Density - Ambient Air           | LB/1KFT3 |
| BAD         | Density - Boost Air             | LB/1KFT3 |
| CAD         | Density - Cylinder              | LB/1KFT3 |
| MAD         | Density - Manifold Air          | LB/1KFT3 |
| AAD         | Density % - Ambient Air (J607)  | %        |
| CAD         | Density % - Cylinder (J607)     | %        |
| MAD         | Density % - Manifold Air (J607) | %        |
| DN-ALT      | Density Altitude                | FT       |
| D-RAT       | Density Ratio - System          |          |
| J607        | Gas Correction Factor SAE J607  |          |
| PR-ALT      | Pressure Altitude               | FT       |
| SAT-P       | Saturation Pressure             | INHG     |
| VAP-P       | Vapor Pressure                  | INHG     |

| Speed and Velocity |                          |       |
|--------------------|--------------------------|-------|
| Label              | Description              | Unit  |
| CRUISE             | Cruise Control Status    |       |
| RPM-RR             | Engine Response Rate     | RPM/S |
| RPM                | Engine RPM               |       |
| ISS                | Trans Input Shaft Speed  | RPM   |
| OSS                | Trans Output Shaft Speed | RPM   |
| SPEED              | Vehicle Speed            | MPH   |

| Vehicle Performance |                            |       |
|---------------------|----------------------------|-------|
| Label               | Description                | Unit  |
| LOAD                | Absolute Engine Load       | %     |
| APP D               | Accelerator Pedal D        | %     |
| APP E               | Accelerator Pedal E        | %     |
| APPREL              | Accelerator Pedal Relative | %     |
| HP-AMB              | Ambient % of Density       | %     |
| BP ACT              | Brake Pedal Active         |       |
| LOAD                | Calculated Engine Load     | %     |
| DISP                | Engine Displacement        | L     |
| TRQ FR              | Engine Friction % Torque   | %     |
| TRQREF              | Engine Reference Torque    | FT-LB |
| HP-ECU              | Horsepower ECU             | HP    |
| HP-MAX              | Horsepower Maximum         | HP    |
| HP-POT              | Horsepower Potential       | HP    |
| IGN TM              | Ignition Timing Advance    | °BTDC |
| TORQUE              | Torque % Actual            | %     |
| TQ-ECU              | Torque ECU                 | FT-LB |

| Voltage |                             |      |
|---------|-----------------------------|------|
| Label   | Description                 | Unit |
| BATT*   | B-Bus Battery Voltage       | V    |
| BATT    | ECU Battery Voltage         | V    |
| O2 1/2  | O2 Bank 1 Sensor 2 Volt     | V    |
| O2 2/2  | O2 Bank 2 Sensor 2 Volt     | V    |
| O2 1/1  | WB O2 Current Bank1 Sensor1 | MA   |
| O2 2/1  | WB O2 Current Bank2 Sensor1 | MA   |

| Emissions |                                   |      |
|-----------|-----------------------------------|------|
| Label     | Description                       | Unit |
| EVAPCM    | Evap Purge Commanded              | %    |
| CAT M     | Monitor - Catalyst                |      |
| COMP M    | Monitor - Comprehensive Component |      |
| EGR M     | Monitor - EGR and/or VVT System   |      |
| EVAP M    | Monitor - Evaporative System      |      |
| FUEL M    | Monitor - Fuel System             |      |
| MIS M     | Monitor - Misfire                 |      |
| O2S M     | Monitor - Oxygen Sensor           |      |
| HTR M     | Monitor - Oxygen Sensor Heat      |      |

| Pressure |                                 |      |
|----------|---------------------------------|------|
| Label    | Description                     | Unit |
| AAP      | Ambient Air Pressure            | PSIA |
| AAP      | Ambient Air Pressure (inHg)     | INHG |
| BOOST    | Boost Pressure                  | PSIG |
| BST-VA   | Boost/Vacuum Pressure           | PSIG |
| OIL P    | Engine Oil Pressure             | PSIG |
| EVAP P   | Evap Sys Vapor Pressure         | PA   |
| FRPCMD   | FRP Commanded                   | PSIA |
| FRP      | Fuel Rail Pressure              | PSIA |
| LIFT P   | Lift Pump Fuel Pressure         | PSIG |
| MAP      | Manifold Absolute Pressure      | PSIA |
| MAP B    | Manifold Absolute Pressure B    | PSIA |
| MAP      | Manifold Air Pressure (inHg)    | INHG |
| P-RAT    | Pressure Ratio - System         |      |
| TRAN-1   | Trans Line 1 Pressure Command   | PSIA |
| TRAN-2   | Trans Line 2 Pressure Command 1 | PSIA |
| TRAN-3   | Trans Line 3 Pressure Command 1 | PSIA |

| Temperature |                                       |      |
|-------------|---------------------------------------|------|
| Label       | Description                           | Unit |
| AAT         | Ambient Air Temp                      | °F   |
| AAT         | Ambient Air Temp Absolute (in Rankin) | R    |
| CAT1/1      | Catalyst Temp Bank 1 Sensor 1         | °F   |
| CAT2/1      | Catalyst Temp Bank 2 Sensor 1         | °F   |
| SYS-DT      | Delta Temperature System              | °F   |
| ECT         | Engine Coolant Temp                   | °F   |
| EOT         | Engine Oil Temp                       | °F   |
| IAT1/1      | IAT Bank 1 Sensor 1                   | °F   |
| IAT1/2      | IAT Bank 1 Sensor 2                   | °F   |
| IAT2/1      | IAT Bank 2 Sensor 1                   | °F   |
| IAT2/2      | IAT Bank 2 Sensor 2                   | °F   |
| IAT         | Intake Air Temp                       | °F   |
| MAT         | Manifold Air Temp                     | °F   |
| TRNS T      | Transmission Fluid Temp               | °F   |

| Transmission |                         |      |
|--------------|-------------------------|------|
| Label        | Description             | Unit |
| TCSTAT       | Torque Converter Status |      |
| GEAR         | Trans Gear              |      |
| GEAR-C       | Trans Gear Commanded    |      |
| TR SLP       | Transmission Slip       | RPM  |

| Diagnostics |                                |       |
|-------------|--------------------------------|-------|
| Label       | Description                    | Unit  |
| MILDIS      | Dist Traveled While MIL Active | MILES |
| DTCTRV      | Distance Since DTCS Cleared    | MILES |
| RUN TM      | Engine Run Time                | MIN   |
| FLAG        | Flag                           |       |
| MIL         | MIL Status                     |       |
| TIME        | Time Data Log                  | S     |
| WARMUP      | Warmups Since DTCS Cleared     | COUNT |

| Engine Performance - Air |  |        |
|--------------------------|--|--------|
| Label                    | Description                                      | Unit   |
| TPS B                    | Absolute Throttle Pos B                          | %      |
| TPS C                    | Absolute Throttle Pos C                          | %      |
| ABSTPS                   | Absolute Throttle Position                       | %      |
| HPC-1K                   | Ambient Custom Fuel Power Potential per 1000 CFM | HP/1K  |
| HPD-1K                   | Ambient Diesel Power Potential per 1000 CFM      | HP/1K  |
| HPE-1K                   | Ambient E85 Power Potential per 1000 CFM         | HP/1K  |
| HPG-1K                   | Ambient Gas Power Potential per 1000 CFM         | HP/1K  |
| HPM-1K                   | Ambient Methanol Power Potential per 1000 CFM    | HP/1K  |
| CFMAMB                   | CFM Ambient                                      | CFM    |
| CFMENG                   | CFM Engine                                       | CFM    |
| MAF A                    | Mass Air Flow A                                  | GRAM/S |
| MAF B                    | Mass Air Flow B                                  | GRAM/S |
| MAF                      | Mass Airflow Total                               | GRAM/S |
| THRT-C                   | Throttle Commanded                               | %      |
| THRT-R                   | Throttle Position Relative                       | %      |
| THRT-R                   | Throttle Position Relative                       | %      |

| Engine Performance - Fuel |                              |        |
|---------------------------|------------------------------|--------|
| Label                     | Description                  | Unit   |
| AFR1/1                    | Air Fuel Ratio Bank1 Sensor1 | AFR    |
| AFR2/1                    | Air Fuel Ratio Bank2 Sensor1 | AFR    |
| AFRCMD                    | Air Fuel Ratio Commanded     | AFR    |
| AFRERR                    | Air Fuel Ratio Error         | AFR    |
| EXH-R                     | Engine Exhaust Flow Rate     | GAL/HR |
| LOOP                      | Fuel Closed Loop Status      |        |
| FUEL L                    | Fuel Tank Level              | %      |
| LTFT1                     | Long Term Fuel Trim Bank 1   | %      |
| LTFT2                     | Long Term Fuel Trim Bank 2   | %      |
| STFT1                     | Short Term Fuel Trim Bank 1  | %      |
| STFT2                     | Short Term Fuel Trim Bank 2  | %      |
| TFT 1                     | Total Fuel Trim Bank 1       | %      |
| TFT 2                     | Total Fuel Trim Bank 2       | %      |