



# JPRO® DIAGNOSTIC REPORT

Connection Date: June 29, 2023 12:24 PM

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|              |                   |
|--------------|-------------------|
| VIN          | 3AKJGBDV2HSHU0757 |
| Vehicle Make | Freightliner      |
| Model        | Cascadia          |
| Series       |                   |
| Model Year   | 2017              |
| Unit Number  | 2317427           |

## Vehicle Components

| Component                     | Description                           | Serial Number        | Software Version                      | Network                  |
|-------------------------------|---------------------------------------|----------------------|---------------------------------------|--------------------------|
| Engine/CPC                    | Detroit DD13 Engine/CPC               | 471928S0439490       | App_040E                              | J1939 (High)/15765 (CAN) |
| Transmission                  | Detroit DT12                          | N/A                  | 0010                                  | J1939 (High)/15765 (CAN) |
| Brakes                        | WABCO E Series ABS 4S/4M              | 214001               | E454                                  | J1939 (High)/15765 (CAN) |
| Instrument Cluster            | Freightliner ICU4Me-P3                | N/A                  | 16/24/00 000201<br>0504480721002 009d | J1939 (High)             |
| SAM Cabin                     | Freightliner SAM Cabin                | N/A                  | N/A                                   | J1939 (High)/15765 (CAN) |
| Central Gateway               | Freightliner Central GateWay          | 0000067394           | 15/43/00 020301<br>0004484927001 0 3  | J1939 (High)/15765 (CAN) |
| SAM Chassis                   | Freightliner SAM Chassis              | N/A                  | N/A                                   | J1939 (High)/15765 (CAN) |
| Motor Control Module          | Detroit Motor Control Module          | N/A                  | mcm_0x06DE                            | J1939 (High)/15765 (CAN) |
| Aftertreatment Control Module | Detroit Aftertreatment Control Module | N/A                  | acm_0x0236                            | J1939 (High)/15765 (CAN) |
| Modular Switch Field          | Freightliner Modular Switch Field     | N/A                  | N/A                                   | J1939 (High)/15765 (CAN) |
| HVAC-Front Control Unit       | Freightliner HVAC Front               | FL-P3D-16072811-0005 | R.0.3.2 R.1.3.1                       | J1939 (High)             |

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## Vehicle Key Data Points

| Description                                  | Parameter Value | Description                 | Parameter Value |
|----------------------------------------------|-----------------|-----------------------------|-----------------|
| Avg Fuel Econ                                | 7.10 mpg        | Idle Fuel Used              | 2,568.50 gal    |
| Battery Potential                            | 14.10 volts     | DPF Soot Level              | Low             |
| Total Idle Hrs                               | 2,462.40 hrs    | DPF Derate                  | Low             |
| Idle Shutdown                                | 5.00 min        | Total Engine Run Time       | 19,173.60 hrs   |
| Road Speed Limit                             | 72.00 mph       | Cruise Spd Limit            | 70.00 mph       |
| PTO Status                                   | Off/Disabled    | Malfunction Indicator Lamp  | Off             |
| Red Stop Lamp                                | Off             | Amber Warning Lamp          | Off             |
| Protect Lamp                                 | Off             | Parking Brake Switch        | On              |
| Engine Speed                                 | 600 rpm         | DPF Lamp Command            | Off             |
| Exhaust System High Temperature Lamp Command | Off             | ABS Control Status          | Not Available   |
| ABS Control Status, Trailer                  | Not Available   | Odometer                    | 692,489.27 mi   |
| Engine Odometer                              | 692,489.27 mi   | Instrument Cluster Odometer | 692,489.27 mi   |
| Fuel                                         | 23%             | Coolant                     | Normal          |
| Diesel Exhaust Fluid                         | 86%             |                             |                 |

## Vehicle Issues

|                                                                                     |                           |
|-------------------------------------------------------------------------------------|---------------------------|
|  | 2 Active Fault(s) Present |
|  | Consumable Fluid(s) Low   |

## Faults

| Status   | Component                     | Description                                                  | Lookup Code | FMI | Count |
|----------|-------------------------------|--------------------------------------------------------------|-------------|-----|-------|
| Active   | SAM Cabin                     | Right Fog Lamp Circuit - Amperage Below Normal/ Open Circuit | SPN 522117  | 5   | 1     |
| Inactive | Aftertreatment Control Module | Battery voltage low                                          | SPN 168     | 1   | 1     |
| Inactive | Motor Control Module          | Battery Voltage Low                                          | SPN 168     | 18  | 1     |



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|           |                               |                                                           |            |    |     |
|-----------|-------------------------------|-----------------------------------------------------------|------------|----|-----|
| Inactive  | Motor Control Module          | Battery Voltage Low                                       | SPN 168    | 1  | 1   |
| Inactive  | DD13 Engine/CPC               | DPF Regen Force MUX Switch Message Contains SNV Indicator | SPN 3696   | 13 | 1   |
| Inactive  | DD13 Engine/CPC               | Battery Voltage Low                                       | SPN 168    | 18 | 1   |
| Inactive  | HVAC Front                    | COTC Sensor - short to battery or open circuit            | SPN 1548   | 5  | 16  |
| Inactive  | HVAC Front                    | A/C Clutch - data erratic, intermittent, or incorrect     | SPN 876    | 2  | 1   |
| Inactive  | Modular Switch Field          | Sub bus switch missing                                    | SPN 523530 | 31 | N/A |
| Permanent | Aftertreatment Control Module | Diesel Particulate Filter Filtration Efficiency Low       | SPN 520349 | 14 | 1   |