



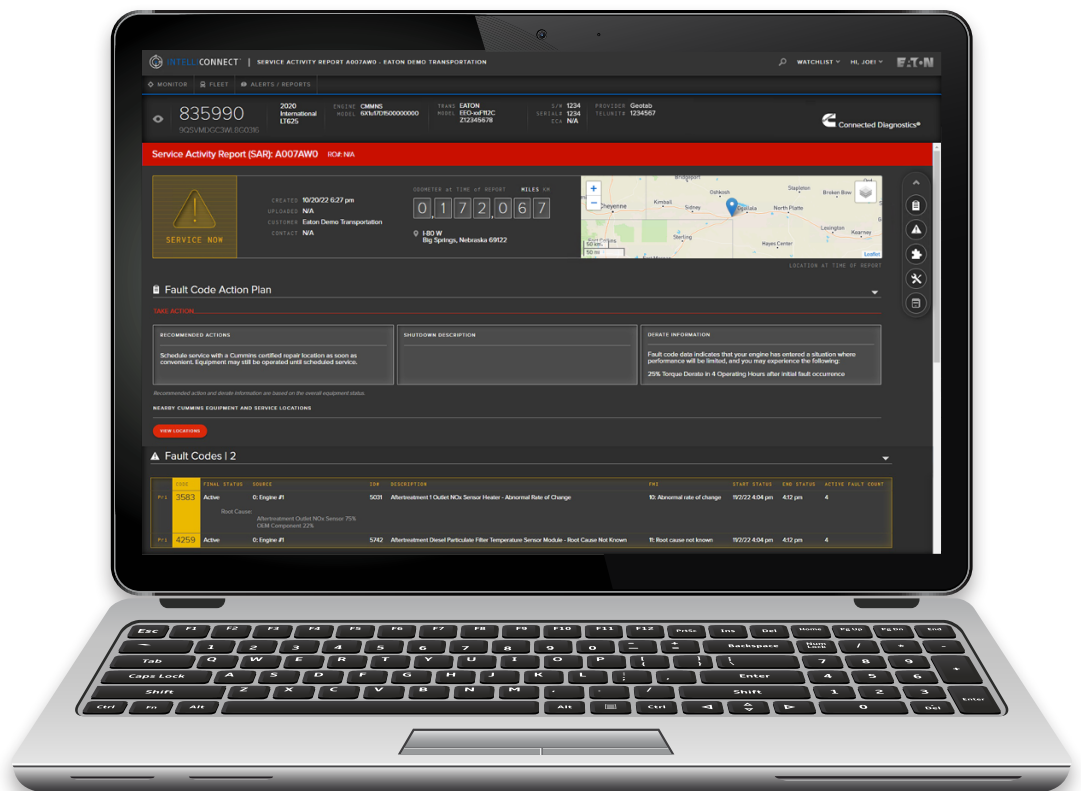
# Introducing Cummins® engine fault monitoring with Eaton IntelliConnect

Eaton IntelliConnect remote diagnostic technology can now collect and analyze Cummins powertrain fault codes in addition to codes from Eaton Cummins automated transmissions

## Eaton Cummins powertrain

Fleets using Cummins Integrated Power – comprised of a Cummins engine and an Eaton Cummins automated transmission – can now use IntelliConnect to view fault codes for the entire powertrain, allowing them to determine the needed repairs more quickly.

Beyond just reading transmission and engine codes, our combined vehicle systems experts create comprehensive fault code action plans (FCAP) that provide the recommended course of action.



Fault severity, time/date, odometer reading, and location at the time of the fault

**Fault Code Action Plan**  
Recommended Actions, Shutdown Description and Derate Information that IntelliConnect receives from Cummins

Find nearby service providers from the Cummins Locator website

The fault code(s) that were used for evaluation, including the root cause IntelliConnect received from Cummins

**Service Activity Report (SAR): A007AW0** ROF: NA

**Vehicle Details:**  
 VIN: 835990  
 Year: 2020  
 Make: International  
 Model: LT625  
 Mileage: 0172067  
 Location: 180 W Big Springs, Nebraska 69122

**Fault Code Action Plan:**  
**RECOMMENDED ACTIONS:** Schedule service with a Cummins certified repair location as soon as convenient. Equipment may still be operated until scheduled service.  
**SHUTDOWN DESCRIPTION:**  
**DERATE INFORMATION:** Fault code data indicates that your engine has entered a situation where performance will be limited, and you may experience the following: 25% Torque Derate in 4 Operating Hours after initial fault occurrence.

**NEARBY CUMMINS EQUIPMENT AND SERVICE LOCATIONS:**

**Fault Codes | 2**

PKT	FINAL STATUS	SOURCE	ID#	DESCRIPTION	PKT	START STATUS	END STATUS	ACTIVE FAULT COUNT
P1: 3583	Active	0: Engine #1	5031	Aftertreatment 1 Outlet NOx Sensor Heater - Abnormal Rate of Change	10: Abnormal rate of change	11/22 4:04 pm	4:12 pm	4
P1: 4259	Active	0: Engine #1	5742	Aftertreatment Diesel Particulate Filter Temperature Sensor Module - Root Cause Not Known	11: Root cause not known	11/22 4:04 pm	4:12 pm	4

**Root Cause:** Aftertreatment Outlet NOx Sensor 75% OSM Component 22%

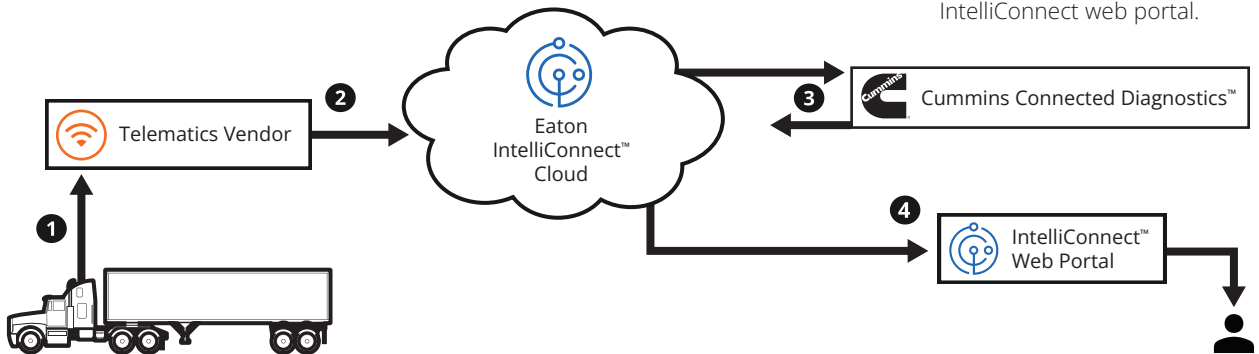
**Components:**

LINK	SOURCE	COMPONENT NAME	MAKE	MODEL	SERIAL #	SOFTWARE VERSION	LAST REPORTED
J939	0	Engine	CUMMINS	6XN17D1500000000	80204424	04B84413*22489056*12078812326...	11/22 4:04 pm
J939	3	Exhaust 12 Speed	EATON	EEO-wF12C	20079775	5560224*P02.75.0*556502*E003.400...	11/22 4:04 pm
J939	5	Shift Control/Console	INT	RNDML_ModeParallel=true			10/5/22 11:45 pm
J939	11	Brakes - System Controller	IRNDS	ECR0ESP	522891247	AAA000005*FLAAM000056*Z0912887A...	11/22 4:04 pm
J939	11	Brakes - System Controller	IRNDS	ECR0ESP	522891247	AAA000005*FLAAM000056*Z0912887A...	10/5/22 11:45 pm
J939	23	Instrument Cluster	INT	406345AC1	196226048902122	1000000000*2092892*ABDL1/0102A...	11/22 4:04 pm
J939	25	Cab Climate Control	INT	406532CC5	00000000000378999		11/22 4:04 pm

## Turn unplanned maintenance into planned maintenance with Eaton IntelliConnect

### How it works

1. When a fault code is raised on the vehicle, it is collected by the telematics service provider.
2. The telematics service provider forwards fault reports to the Eaton IntelliConnect Cloud. Faults are gathered into a Service Activity Report (SAR) and evaluated by the IntelliConnect Evaluation System, which may result in an Eaton Fault Code Action Plan (FCAP) which is focused on diagnostics for the transmission.
3. If there are any engine faults for a Cummins engine, the fault reports will also be forwarded to Cummins Connected Diagnostics™, which may result in a Cummins FCAP being sent back to the Eaton IntelliConnect Cloud.
4. If any FCAP has been assigned to the Service Activity Report, it will be displayed in the IntelliConnect web portal and (optionally) be sent out as an alert. If both an Eaton transmission FCAP and a Cummins engine FCAP are assigned for a Service Activity Report, the Eaton transmission FCAP will take priority within the IntelliConnect web portal.



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