

# Cummins FC 383 Intake Heater

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[Zach Melton](#) 3 posts since Dec 8, 2014

**Cummins FC 383 Intake Heater** Jan 4, 2021 8:17 PM

Had a Unit (MJ0424) with 7k miles on it in the shop for an Active 383 fault for the Intake Heater relay Current low or Open. When driving the unit I could hear the relay activate and the Dash voltmeter would drop as expected. I also hooked a load light to the stud on the heater to verify there is voltage going to the Heater. Cummins Troubleshooting states the resistance of the Relay control side should be a minimum of 30 ohms. The resistance of the control side of the relay on the truck was 3.2 ohms. We had a unit in the shop with a Cummins ISL so I checked its resistance, and found that its relay was 5.8 ohms. I ended up pulling the Relay off the truck I was working on and having the numbers on the relay checked and crossed over to Parts Pro number and found out the factory had installed the incorrect Relay. The number on the relay I had was a 684-1241-212 and the Correct number is a 684-1241-012-02. The resistance is lower than what is in Cummins TS but the the correct relay resolved the issue. In case anyone runs it to this were the Intake heater is working but has an active 383 fault so they can check that numbers that are on the Relay since Parts pro has a different number and need the number crossed.



[Jesse Gutierrez](#) 480 posts since Mar 5, 2017

**Re: Cummins FC 383 Intake Heater** Jan 5, 2021 2:42 AM

Awesome

thanks for the find