

DD15 Rear Jakes stuck on not activated.



[Stephen Baxter](#) 5 posts since Jan 20, 2015

DD15 Rear Jakes stuck on not activated. Sep 17, 2020 3:59 PM

I'm working on 2012 Cascadia Vin BA4588, with a DD15. The unit came in with a MIL and Jakes sticking on. During pull in the unit ran rough and produces white smoke. All codes for ATD over temp high and very high. Performed Cyl cut out. 1,2,&3 all cut out. 4,5,6 did not cut out. activated jakes 2 to 100% no change to engine. deactivated Jakes 2 to 0 % no change to the engine. Activated Jakes 1 to 100 % and the engine died. deactivated jakes 1 to 0%. Started the unit. engine no longer ran rough and quit producing smoke. performed ISB all cyl below +- 30. let sit over night, started next AM, still run normal.

I'm wondering if others have seen this, I Suspect an intermittently failing rear engine brake solenoid, can this be this simple or am I over looking something?



[Jon Cecil](#) 790 posts since Nov 25, 2014

Re: DD15 Rear Jakes stuck on not activated. Sep 17, 2020 4:48 PM

The solenoid definitely could be getting stuck open allowing oil pressure to keep the exhaust valves open. If all the pistons retracted in the engine brake rockers, I would be same to assume the solenoid is faulty. Once the solenoid is removed, I would blow regulated air into the supply to actuate the engine brake pistons and make sure they retract when the air is released.



[Steve Reppard](#) 91 posts since Jun 29, 2020

Re: DD15 Rear Jakes stuck on not activated. Sep 17, 2020 5:53 PM

You definitely had rear engine brake hanging up- I would replace solenoid and manually operate them while checking for plungers sticking on 4,5 and 6 and also check for oil leaks from rockershaft/jake brake rocker arm area. I would replace solenoids-both, atd has defiantly been compromised



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Re: DD15 Rear Jakes stuck on not activated. Sep 17, 2020 5:57 PM

I planned to estimate for both solenoids and a complete ATD. Thanks for the advice on the continued t/sing. I'll check into it.