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# ATTENTION

## SUMMARY

All Dodge Ram trucks equipped with the 68RFE transmission will experience major issues if a proper relearn is not completed when the TCM is flashed. This also applies to any type of program changes done within your tuner (TOW, RACE, STREET, ECO modes). **NEGLECTING TO FOLLOW THIS PROCEDURE WILL CAUSE PREMATURE DAMAGE OR OVERDRIVE CLUTCH FAILURE IN YOUR TRANSMISSION WHICH WILL NOT BE COVERED UNDER WARRANTY.**

## THE PROBLEM

### QUICK LEARN ISSUE:

When the TCM is flashed the transmission's CVI adaptive memory is erased and put back to stock. This causes the vehicle to believe that a new transmission has been installed, meaning the relearn procedure must be completed again before normal driving can resume. Baseline OD CVI on a performance transmission is approx. 45-55, and will decrease to 5-25. Because these changes adapt at about one or two points per shift, when a proper relearn procedure has not been completed, if the truck is driven aggressively (above 50% throttle) after a reflash while the transmission is out of sync with the controller as stated above, this will cause premature damage and wear to the transmission. **It is entirely possible with enough power to destroy the transmission in just one shift.**

This will happen because the transmission is out of sync with the controller. While the transmission has X amount of wear in it, the controller may be saying it has Y. This causes the clutches to be applied with improper timing during the handoff between off going and oncoming clutches, resulting in a flare or bind during the shift. At light throttle this is not an issue as the transmission will relearn the controller slowly with each shift, and after a few dozen shifts, the adaptation process will be done.

### **ON THE FLY TUNING:**

Any CSP-5 or related on-the-fly tuning means you **MUST** allow the transmission to slowly adapt to the increased/decreased power levels. Allowing 50km after a tune reflash to adapt in stop and go city driving will be fine, before you start driving more aggressively.

**For the next 500-1000kms we do not recommend any heavy trailer hauling or aggressive driving. It is important that the customer understands that the transmission will still be learning the proper up/down shifts based on their driving habits.**

\*This same issue can also be caused anytime a tune or reflash is done to the trucks ECM\*

## **THE SOLUTION**

1. Quick learn upon installation of transmission.
2. Drive slowly through 1-2-3-4-5-6 gears and back down, 5-10 times at 15% throttle.
3. Repeat step 2 with 25%, 35% and finally 50% throttle. If shifts are not smooth after this, continue to increase throttle until any issues are resolved.
4. REPEAT PROCESS IF ANY CHANGES ARE MADE TO TCM SUCH AS SWITCHING TUNES ON THE FLY, ETC.

**Contact us at 1-877-633-2780 or [sales@baanpowertrain.com](mailto:sales@baanpowertrain.com) with any questions or concerns.**