


DTNA Solutions > Discussions and Feedback > Tech Talk  
> GEN 5 DD15 engine noise metal to metal clunk/grunt...



 Nathan\_Lehman  
Apprentice

05-21-2021 06:20 AM

## GEN 5 DD15 engine noise metal to metal clunk/grunt. Bad vibration dampener/balancer



### Vehicle Information

VIN: 3AKJHHDRONSMZ8658

Model: NEW CASCADIA 126 INCH  
SLEEPERCAB

Model Year: 2022

Make: FTL

Mileage: 180 miles

Base Model: PT126SLP

Are you currently seeing this same issue on other DTNA vehicles at your location?: no



### Vehicle Systems Involved

ENGINE AND ENGINE  
COOLING

POWER TRAIN

I have a new truck with an abnormal engine noise. If you rev the engine up and let the rpms fall back down to idle, there is a loud metal to metal clunk/grunt noise. I can duplicate the noise every time by bringing rpms up to about 1400-1500 and then let off the throttle. When engine speed reaches idle, there is a clunk/grunt noise. It is loudest near the front of the oil pan. Both drive belts were removed and the noise was still there. You can also feel the noise by placing your hand on the plastic oil pan. I had several techs, shop foreman and service manager listening to this truck. We all thought it was in the bottom end of the engine. Drained oil, pulled pan and checked all bearings. Measured crank end play. All bearings looked great and end play was within spec. I emailed CSC a video of the noise. They emailed me back another truck with a similar sounding noise after a few email conversations, Their video was taken from the drivers seat. The culprit, a bad harmonic balancer/dampener. There is something broken internally inside the dampener. I removed it and shook it. You can hear the rattle. When the engine is spinning and load changes on the dampener, it would clunk. I feel I wasted a lot of time checking bearings, but the root cause was found. I hope if someone else has this noise, they start by removing the balancer and shaking it. I have uploaded my video of the noise.


Add tags

 Preview file   
2332 KB

 9 Kudos

Reply



 Steve\_Reppard  
Piston Head

05-21-2021 08:53 AM


Nathan, Thank you for the information on this!

Add tags

 0 Kudos

Reply



 Nathan\_Lehman  
Apprentice

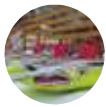
05-21-2021 09:39 AM


Your welcome. I hope I save somebody some diag time.

Add tags

 0 Kudos

Reply



 Scott\_Trippel  
Optimus Prime

05-21-2021 10:00 AM


Excellent Post

Add tags

 0 Kudos

Reply




 Kyle\_Siebert  
Optimus Prime

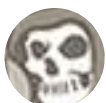
05-21-2021 04:55 PM


I literally just talked to a very experienced old timer (about to retire soon) that had this exact same issue about 10 years ago. Never had it happen to him ever since. Went thru the same process. Identical story to what you just put down. Thanks [@Nathan\\_Lehman](#)

Add tags

 0 Kudos

Reply



 Timothy\_Bruner  
Knuckle Buster

05-27-2021 05:29 AM

Thanks so much for this post!

Add tags

 0 Kudos

Reply

