

Need help with car cutting out in corners.

Posted by Sterling Doc - 24 May 2008 12:02

The "new" car is having a problem with what feels like, but is not, fuel starvation in corners. It is worst turning right. Sometimes it just misses a bit, and then clears out once it's pointed straight ahead, other time I'm costing around the corner with my foot in the floor. To make weight, I ran a full 21 gallons of gas at Putnam. Same result. We've replaced the fuel pump, and the wiring to it. The ignition key is out & the ignition is on a switch. Otherwise runs well. It's less pronounced if I'm smooth. Ideas?

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Re:Need help with car cutting out in corners.

Posted by Sterling Doc - 28 May 2008 12:30

New update. Replaced the fuel rail, and took the car out for a run in the back roads, and that shed a lot of light on things. Most importantly, the condition does not only happen in corners, but variably at part throttle. On a racetrack, coming out of corners is just the only time you're in that situation. If you make it to wide open throttle smoothly, you're good, but if it stumbles on the way there, then it takes some time to clear out before it pulls cleanly, wide open or not. So I think that theres a problem when it's try to meter fuel - running way too rich at times, which then wets the plugs and causes the misfires, until dries/clears out.

The coolant temp sensor it reading the correct # of Ohms, so it looks good. I'm thinking either the flapper door, or the O2 sensor is the problem. It also seems the problem only occurs once the car gets pretty hot.

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Re:Need help with car cutting out in corners.

Posted by joepaluch - 28 May 2008 21:25

worn wiper tracks on the AFM maybe?

I had that on one of my AFM units, but the problem looked different on track. Still pop the cover of the AFM and look for deep grooves where the wipers run. The fix is to bend the wipers to run on new grooves.

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Re:Need help with car cutting out in corners.

Posted by Sterling Doc - 28 May 2008 22:42

Will do, thanks Joe. My donor is clean, but has nearly 1/4 million miles, so this is quite possible.

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Re:Need help with car cutting out in corners.

Posted by Sterling Doc - 30 May 2008 10:19

The wiper tracks did look worn, but bending them to get the wipers on a fresh surface didn't help today. A few more observations. This only happens when you been off of the gas for a while, and then go back to part throttle. If you then get out of it when it's stumbling, and jump right back on full throttle, it pulls cleanly. If you go back to part throttle it again stumbles for 4-5 seconds until clearing out, and pulling cleanly from then on, part throttle or not.

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Re:Need help with car cutting out in corners.

Posted by joepaluch - 30 May 2008 10:46

Can you swap AFM and DME from another car.

This is sounding stranger as it goes along. Although remember full throttle is open loop mode. IE running the map in the chip. part throttle goes closed loop and it reads the O2 sensor. As such the car works different under part throttle vs WOT.