

DECELL POPPING

Decell popping is caused by the detonation of unburnt fuel in the exhaust pipe. This happens with high flow exhausts that allow more fresh air to be pulled into the pipe, causing the exhaust temperature to rise and detonate the fuel. Ways to reduce and possibly eliminate this popping are:

1. Block off fresh air injection systems. This will reduce the air being fed into the pipe, causing the higher temperature.
2. Adjust the fuel table to remove fuel during decell. Highlight from 2000rpm to redline in the zero percent column. Insert a -40 to -50 into the cells. Rev the bike and see if the popping has reduced or stopped.
3. If it is still popping try a +10 to +15 instead of the negative numbers. The added fuel will cool the exhaust so it won't pop. But too much added will have a noticeable effect to the fuel mileage.
4. Do not do any changes at 1500rpm; this may effect how the bike idles.
5. Sometimes going to the ignition table and advancing the timing 3 to 5 degrees can help too.

Power Commander Control Center 2.7.0.11

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Fuel Table Ignition Table

	0	2	5	10	20	40	60	80	100
500	0	0	0	0	0	0	0	0	0
1000	5	8	6	2	10	2	11	15	18
1500	0	22	27	37	18	18	11	18	27
2000	-40	0	29	23	10	1	9	16	20
2500	-40	0	14	13	1	-8	-9	-2	3
3000	-40	0	8	19	10	0	-4	0	6
3500	-40	0	0	24	29				
4000	-40	0	0	19	31				
4500	-40	0	0	4	15				
5000	-40	0	0	2	11				
5500	-40	0	0	0	10				
6000	-40	0	0	0	0				
6500	-40	0	0	0	0				

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	0	2	5	10	20	40	60	80	100
500	0	0	0	0	0	0	0	0	0
1000	5	8	6	2	10	2	11	15	18
1500	5	22	27	37	18	18	11	18	27
2000	10	0	29	23	10	1	9	16	20
2500	10	0	14	13	1	-8	-9	-2	3
3000	10	0	8	19	10	0	-4	0	6
3500	10	0	0	24	29	17	8	13	16
4000	10	0	0	19	31	20	12	16	19
4500	10	0	0	4	15	13	7	17	18
5000	10	0	0	2	11	13	17	16	15
5500	10	0	0	0	10	14	16	14	13
6000	10	0	0	0	0	0	0	9	13
6500	10	0	0	0	0	0	0	0	0

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Notes

Not Modified M807-074rmyd.map

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Port Not Set