

### Knock Sensor Settings

File

**Knock Sensor Settings**

- Knock Control: Safe Mode
- Input type: Internal
- Knock input pin: JS5 (ADC6)
- Knock indicated by: Low Input
- Pullup/down on input: Pull up
- Input pin: JS4 (ADC7)
- Window sample type: At end
- Window output: Tacho

**Detection**

- Knock Count(knocks): 3
- Knock Ignored Above MAP(kPa): 350.0
- RPM window low(rpm): 700
- RPM window high(rpm): 8000

**Retarding**

- Maximum Retard(deg): 9.0
- Retard Check Time(sec): 0.2
- Retard Coarse Step Size(deg): 3.0
- Retard Fine Step Size(deg): 1.0

**Recovery**

- Advance Check Time(sec): 0.4
- Advance Step Size(deg): 1.0
- Recovery Advance(deg): 3.0

**Knock input threshold**

Y-axis: % (0.0 to 100.0)

X-axis: RPM (rpm) (0.0 to 9000.0)

Knock Input: 0.0%

RPM (rp...)	% %
500	50.0
1000	50.0
1500	50.0
2000	50.0
2500	50.0
3000	50.0
4000	50.0
5000	50.0
6000	50.0
7000	50.0

Burn Close

### Noise Filtering

File

**Noise Filtering**

See the web help for more information about noise filtering

**GLOBAL TIMER NOISE FILTER DELAY**

- Noise filter period: 4

**PRIMARY TACH (crank)**

- Noise Filter Enabled: On

Use noise filter curve to tune

- Tach period rejection: Off
- Tach interrupt masking: Off
- Time(ms): 0.1
- Percentage(%): 10

**SECONDARY TACH (cam)**

- Noise Filter Enabled: Off
- Noise Filter Time Period(uSec): 416
- Tach period rejection: Off
- Tach interrupt masking: Off
- Time(ms): 0.2
- Percentage(%): 20

**Noise filter curve**

Y-axis: uSec (0.0 to 2000.0)

X-axis: RPMS (RPM) (0.0 to 9000.0)

Note, a power cycle is required after enabling/disabling the noise filters

Burn Close

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NOTE! This feature is only licensed for use with JSM add-on board

Bandpass frequency (kHz) 6.94

Integrator time constant (us) 150

Number of sensors 1

Monitor per cylinder On

Knock gain:

Cyl#	Gain	Sensor
1	1.000	1
2	1.000	1
3	1.000	1
4	1.000	1
5	1.000	1
6	1.000	1
7	1.000	1
8	1.000	1

Buttons: [Back] [Forward] [Burn] [Close]



