

# Carburetor Adjustments & Tuning Tips

## Optional Muffler Settings

Your CRF does not conform to AMA noise emission regulation for 2012 year.

If you use optional AMA noise emission regulation conformed muffler, you should change the carburetor settings.

Adjustment	Settings
Pilot screw opening	2 1/4 turns out
Slow jet	#38
Jet needle	NMQT
Needle clip position	3rd groove
Main jet	#132

All jetting is based on

- Standard jetting
- Unmodified Engine

Temperature	FAHR.	-21°~ 0°	-1°~ 20°	19°~ 40°	39°~ 60°	59°~ 80°	79°~ 100°	99°~ 120°
Altitude	CENT.	-30°~ -17°	-18°~ -6°	-7°~ 5°	4°~ 16°	15°~ 27°	26°~ 38°	37°~ 49°
10,000 ft (3,050 m)	PS:	2 1/4	2 1/4	2 1/4	2	2	1 3/4	1 3/4
~	SJ:	38	38	38	38	38	38	38
7,500 ft (2,300 m)	JN CLIP:	3rd	3rd	3rd	3rd	3rd	2nd	2nd
	JN:	NMQT	NMQT	NMQT	NMRT	NMRT	NMQT	NMQT
	MJ:	132	130	130	130	130	128	128
7,499 ft (2,299 m)	PS:	2 1/4	2 1/4	2 1/4	2 1/4	2	2	1 3/4
~	SJ:	38	38	38	38	38	38	38
5,000 ft (1,500 m)	JN CLIP:	3rd	3rd	3rd	3rd	3rd	3rd	2nd
	JN:	NMQT	NMQT	NMQT	NMQT	NMRT	NMRT	NMQT
	MJ:	132	132	130	130	130	130	128
4,999 ft (1,499 m)	PS:	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2	2
~	SJ:	38	38	38	38	38	38	38
2,500 ft (750 m)	JN CLIP:	3rd	3rd	3rd	3rd	3rd	3rd	3rd
	JN:	NMQT	NMQT	NMQT	NMQT	NMQT	NMRT	NMRT
	MJ:	135	132	132	130	130	130	130
2,499 ft (749 m)	PS:	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2
~	SJ:	38	38	38	38	38	38	38
1,000 ft (300 m)	JN CLIP:	3rd	3rd	3rd	3rd	3rd	3rd	3rd
	JN:	NMQT	NMQT	NMQT	NMQT	NMQT	NMQT	NMRT
	MJ:	135	135	132	132	130	130	130
999 ft (299 m)	PS:	2 1/2	2 1/4	2 1/4	2 1/4	OPTIONAL JETTING	2 1/4	2 1/4
~	SJ:	38	38	38	38		38	38
0 m	JN CLIP:	4th	3rd	3rd	3rd		3rd	3rd
Sea level	JN:	NMRT	NMQT	NMQT	NMQT		NMQT	NMQT
	MJ:	135	135	135	132	132	130	130

### Legend

- PS: Pilot Screw opening from fully seated
- SJ: Slow Jet
- JN: Jet Needle
- JN CLIP: Needle Clip position
- MJ: Main Jet