

11-14 Intake and Exhaust Cam

Suggested Initial Timing Tables

RPM	Parked	2000	3000	4000	5000	6000	7000
Intake Tune Values	0	-50	-40	-29	-24	-17	-15
Intake Centerline	129	79	89	100	105	112	114
Exhaust Tune Values	0	13	12	12	12	10	8
Exhaust Centerline	125	112	113	113	113	115	117

Basic Procedures

Intake valve closing is the most sensitive value in the engine.

Exhaust open is next in sensitivity

Although, if exhaust open is incorrect, intake timing will then not be sensitive to changes

1st - Set exhaust value to a moderate common value such as 115 Centerline

2nd - Use suggested Intake values and adjust 3 degrees per test Positive-Negative direction

3rd - After Intake values are optimized, move Exhaust 2 degrees per test

4th - After Exhaust, move Intake 2 degrees positive/negative direction

Finished

Note - If any adjustment makes large changes in torque at a particular RPM, make larger changes to bracket in the change values

This reduces time to dial in the required timing.

Many times, folks have the wrong initial exhaust values and see no changes with intake changes and this results in many hours of tests