

TOMEI Camshaft Spec Card

PART NAME **PROCAM** ENGINE **A12/14/15**

PART NUMBER **1481312077**

GRIND **312° / 7.75mm SOLID** BACE **Φ 26.8** ROCKER ARM RATIO* **1.5** VALVE CLEARANCE WHEN COLD **0.30**

LIFT **@CAM 7.75mm @VALVE 11.20mm** LOBE CENTER(°) **105.0**

* ALL LIFTS ARE BASED ON ZERO LASH AND THORETICAL ROCKER ARM RATIOS

| CAM TIMING | | OPENS(°) | | CLOSES(°) | | Actual Duration @ Opening(°) |
|-----------------|----|----------|------|-----------|------|------------------------------|
| Actual Duration | IN | BTDC | 51.0 | ABDC | 81.0 | 312.0 |
| Valve Lift | EX | BBDC | 81.0 | ATDC | 51.0 | 312.0 |

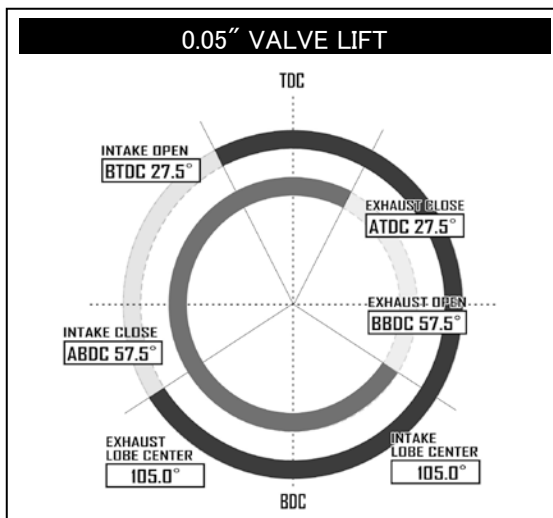
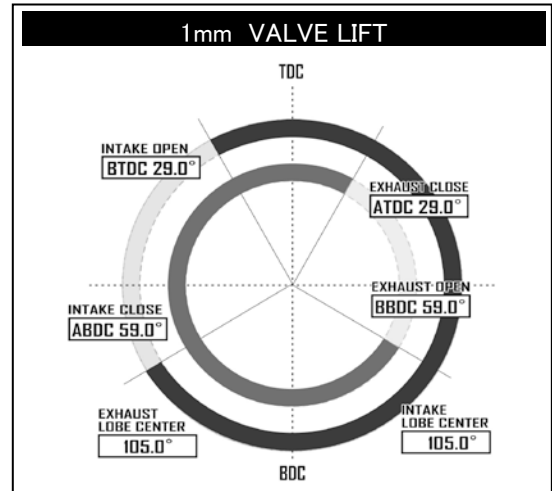
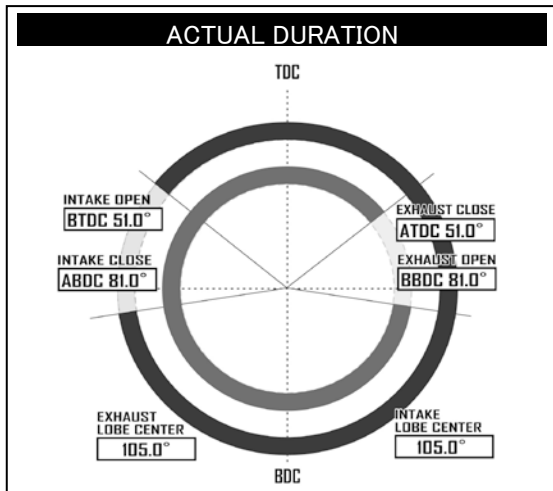
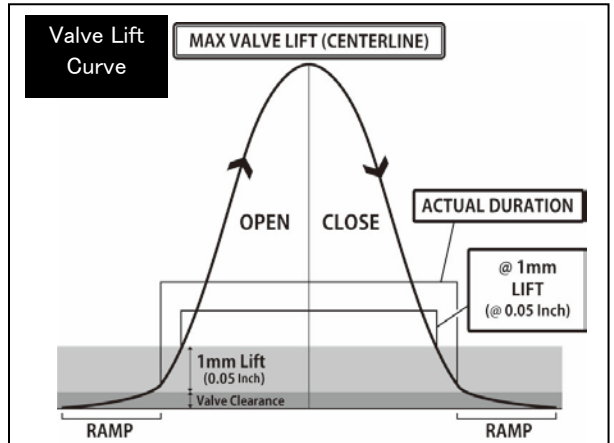
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

| CAM TIMING | | OPENS(°) | | CLOSES(°) | | TOTAL DURATION(°) |
|------------|----|----------|------|-----------|------|-------------------|
| at 1mm | IN | BTDC | 29.0 | ABDC | 59.0 | 268.0 |
| Valve Lift | EX | BBDC | 59.0 | ATDC | 29.0 | 268.0 |

Values are of actual duration from start to end of 1mm value points. (Excluding ramp values)

| CAM TIMING | | OPENS(°) | | CLOSES(°) | | TOTAL DURATION(°) |
|------------|----|----------|------|-----------|------|-------------------|
| at 0.05" | IN | BTDC | 27.5 | ABDC | 57.5 | 265.0 |
| Valve Lift | EX | BBDC | 57.5 | ATDC | 27.5 | 265.0 |

Values are of actual duration from start to end of 0.05" value points. (Excluding ramp values)



| REQUIRED VALVE SPRING SPEC | |
|----------------------------|---------------|
| NOMAL HEIGHT | 40.0/48.0mm |
| SET LENGTH | 35.5/40.0mm |
| LIFT LENGTH | 24.0/27.5mm |
| COMPRESSED HEIGHT | 22.5/26.5mm |
| SET LOAD | 32.7kgf ± 7% |
| LIFT LOAD | 109.6kgf ± 7% |
| TOMEI PART NUMBER | 163050 |

| REQUIRED PARTS | |
|----------------|-------------------|
| PRODUCT NAME | TOMEI PART NUMBER |
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