

# TOMEI Camshaft Spec Card

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

PART NUMBER **1481304077**

GRIND **304° / 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(°) **103.5**

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

| CAM TIMING      |    | OPENS(°)  | CLOSES(°) | Actual Duration @ Opening(°) |
|-----------------|----|-----------|-----------|------------------------------|
| Actual Duration | IN | BTDC 48.5 | ABDC 75.5 | 304.0                        |
| Valve Lift      | EX | BBDC 75.5 | ATDC 48.5 | 304.0                        |

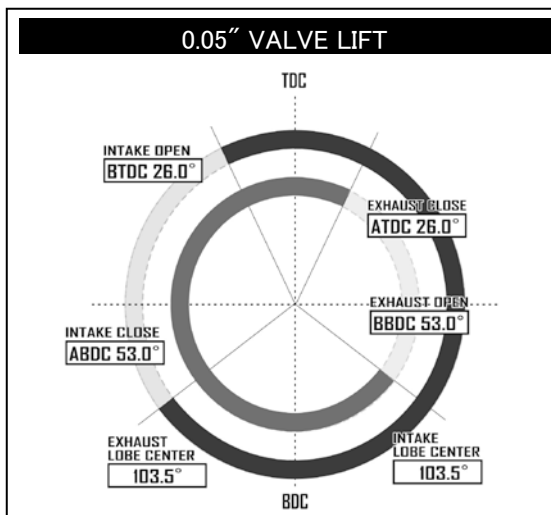
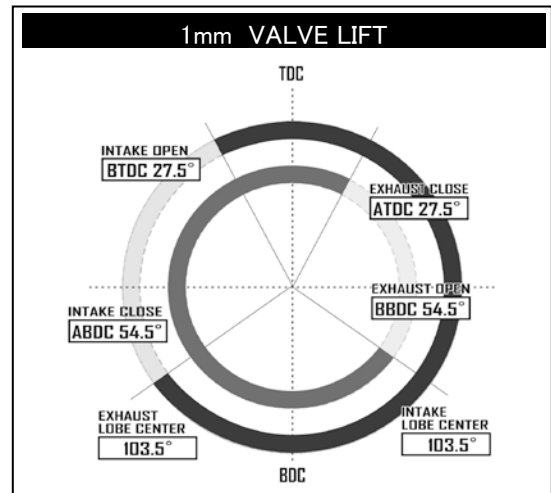
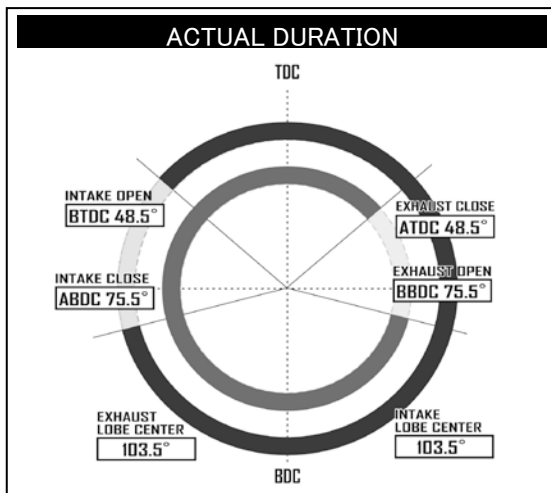
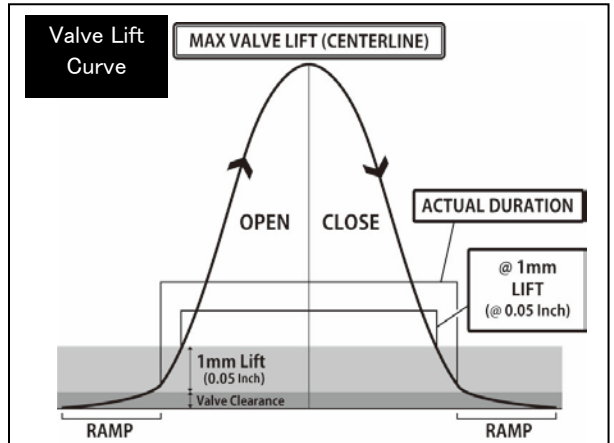
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

| CAM TIMING |    | OPENS(°)  | CLOSES(°) | TOTAL DURATION(°) |
|------------|----|-----------|-----------|-------------------|
| at 1mm     | IN | BTDC 27.5 | ABDC 54.5 | 262.0             |
| Valve Lift | EX | BBDC 54.5 | ATDC 27.5 | 262.0             |

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 26.0 | ABDC 53.0 | 259.0             |
| Valve Lift | EX | BBDC 53.0 | ATDC 26.0 | 259.0             |

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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