

TOMEI Camshaft Spec Card

PART NAME **PONCAM / PROCAM** ENGINE **4G63 EVO 4-8 LASH**

PART NUMBER SET 4-6 : 143066 7-8 : 143067 IN 1453270107 EX 4-6 : 1454270102 7-8 : 1455270102

| | | | | | | | | | | |
|-------|----|----------------|---|------|-----------|--------|-------------------|---------------------------|--------|------|
| GRIND | IN | 270° / 10.70mm | - | BACE | IN | Φ 30.0 | ROCKER ARM RATIO* | VALVE CLEARANCE WHEN COLD | IN | - |
| | EX | 270° / 10.20mm | - | | CIRCLE(Φ) | EX | | | Φ 30.0 | 1.73 |

| | | | | | | |
|------|----|-------------|----------------|----------------|----|-------|
| LIFT | IN | @CAM 6.17mm | @VALVE 10.70mm | LOBE CENTER(°) | IN | 105.0 |
| | EX | @CAM 5.88mm | @VALVE 10.20mm | | EX | 115.0 |

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

| CAM TIMING | | OPENS(°) | CLOSES(°) | Actual Duration @ Opening(°) | |
|-----------------|----|-----------|-----------|------------------------------|--|
| Actual Duration | IN | BTDC 25.0 | ABDC 65.0 | 270.0 | |
| Valve Lift | EX | BBDC 65.0 | ATDC 25.0 | 270.0 | |

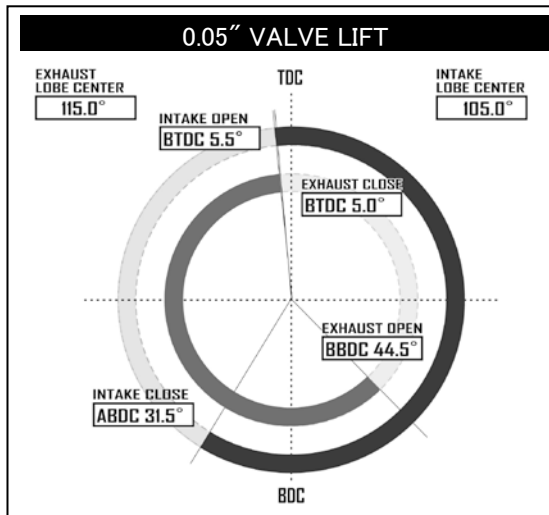
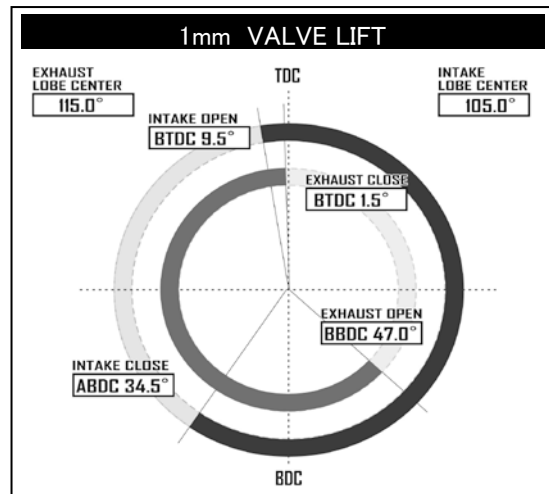
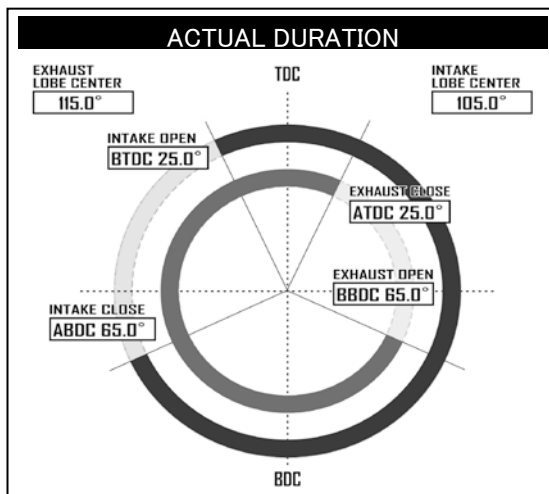
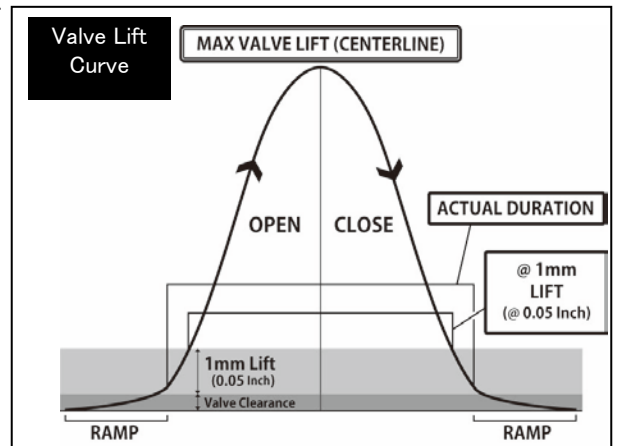
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

| CAM TIMING | | OPENS(°) | CLOSES(°) | TOTAL DURATION(°) | |
|-------------------|----|-----------|-----------|-------------------|--|
| at 1mm Valve Lift | IN | BTDC 9.5 | ABDC 34.5 | 224.0 | |
| | EX | BBDC 47.0 | BTDC 1.5 | 225.5 | |

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" Valve Lift | IN | BTDC 5.5 | ABDC 31.5 | 217.0 | |
| | EX | BBDC 44.5 | BTDC 5.0 | 219.5 | |

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



| REQUIRED VALVE SPRING SPEC | |
|----------------------------|---------------------|
| NOMAL HEIGHT | STD or 50.8mm |
| SET LENGTH | STD or 39.6mm |
| LIFT LENGTH | STD or 28.1mm |
| COMPRESSED HEIGHT | STD or 27.1mm |
| SET LOAD | STD or 33.6kgf ± 5% |
| LIFT LOAD | STD or 81.7kgf ± 6% |
| TOMEI PART NUMBER | STD or 163034 |

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