

TOMEI Camshaft Spec Card

PART NAME **PONCAM / PROCAM** ENGINE **4G63 EVO 1-8 LASH**

PART NUMBER SET 1-3 : 143032 4-6 : 143033 IN 1-3 : 1451260107 EX 1-3 : 1452260102 4-6 : 1454260102
7-8 : 143038 4-8 : 1453260107 7-8 : 1455260102

GRIND IN 260° / 10.70mm - BACE IN Φ 30.0 ROCKER ARM RATIO* VALVE CLEARANCE IN -
EX 260° / 10.20mm - CIRCLE(Φ) EX Φ 30.0 1.73 WHEN COLD EX -

LIFT IN @CAM 6.17mm @VALVE 10.70mm LOBE IN 110.0
EX @CAM 5.88mm @VALVE 10.20mm CENTER(°) 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 55.0 | 260.0 |
| Valve Lift | EX | BBDC 70.0 | ATDC 10.0 | 260.0 |

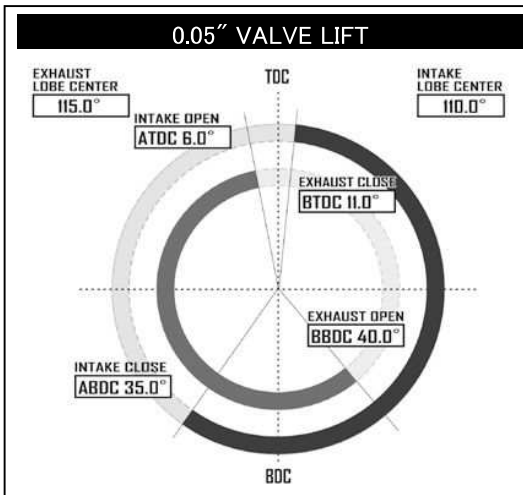
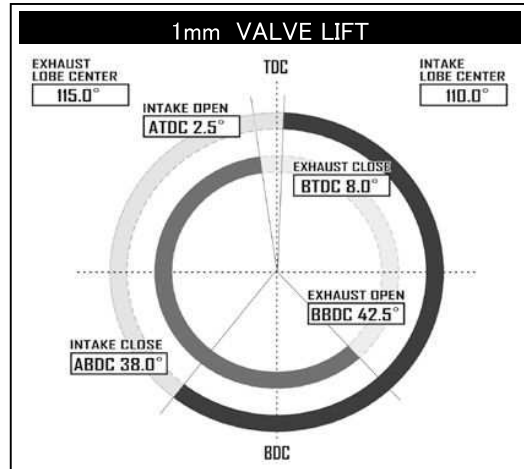
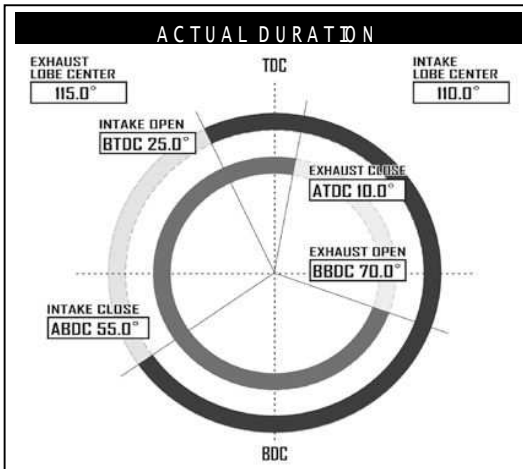
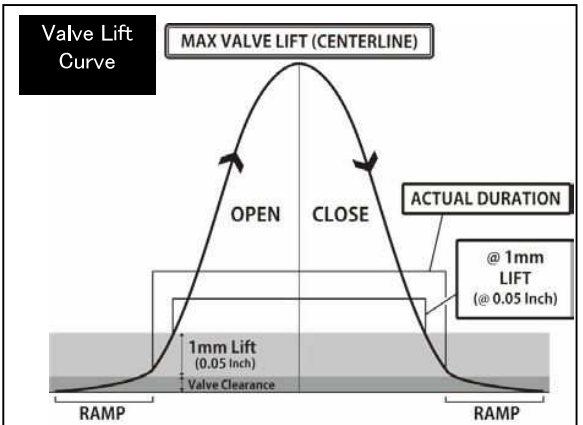
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

| CAM TIMING | | OPENS(°) | CLOSES(°) | TOTAL DURATION(°) |
|------------|----|-----------|-----------|-------------------|
| at 1mm | IN | ATDC 2.5 | ABDC 38.0 | 215.5 |
| Valve Lift | EX | BBDC 42.5 | BTDC 8.0 | 214.5 |

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" | IN | ATDC 6.0 | ABDC 35.0 | 209.0 |
| Valve Lift | EX | BBDC 40.0 | BTDC 11.0 | 209.0 |

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 |
| | |
| | |
| | |
| | |