

TOMEI Camshaft Spec Card

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|-------------|----|----------------|----------------|----------------|----------------|-------------------|-----------------------------------|
| PART NAME | | PROCAM | | ENGINE | | 4G63 EVO 4-8 LASH | |
| PART NUMBER | | SET | | IN | 1453270115 | EX | 4-6 : 1454270115 7-8 : 1455270115 |
| GRIND | IN | 270° / 11.50mm | - | FACE | IN | Φ30.0 | ROCKER ARM RATIO* |
| | EX | 270° / 11.50mm | - | | EX | Φ30.0 | |
| LIFT | | @CAM 6.65mm | @VALVE 11.50mm | LOBE CENTER(°) | IN | 110.0 | VALVE CLEARANCE WHEN COLD |
| | | EX | @CAM 6.65mm | | @VALVE 11.50mm | EX | |

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

| CAM TIMING | | OPENS(°) | | CLOSES(°) | | Actual Duration @ Opening(°) |
|-----------------|----|----------|------|-----------|------|------------------------------|
| Actual Duration | IN | BTDC | 30.0 | ABDC | 60.0 | 270.0 |
| Valve Lift | EX | BBDC | 65.0 | ATDC | 25.0 | 270.0 |

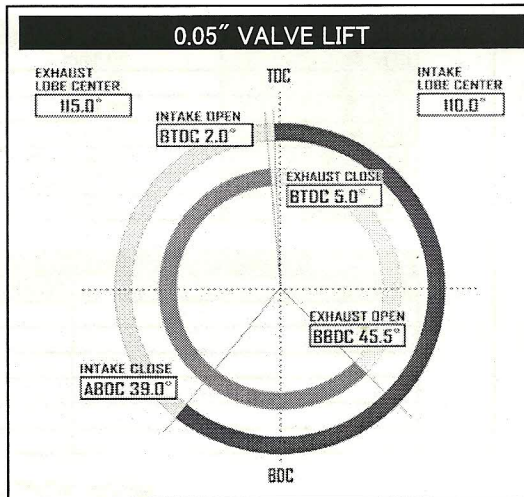
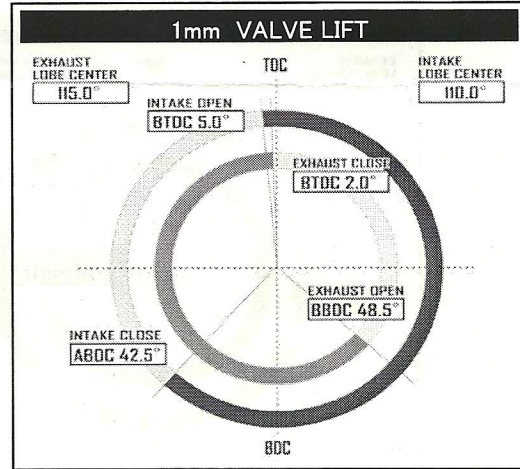
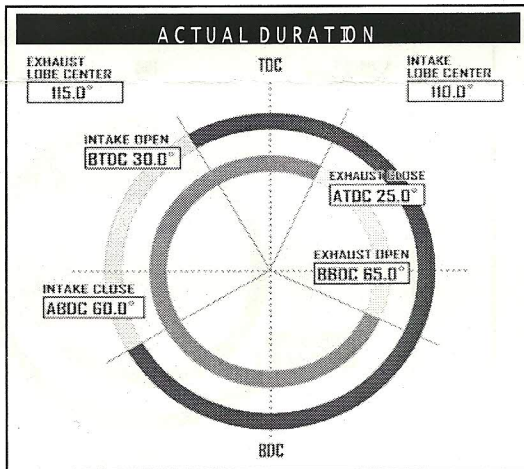
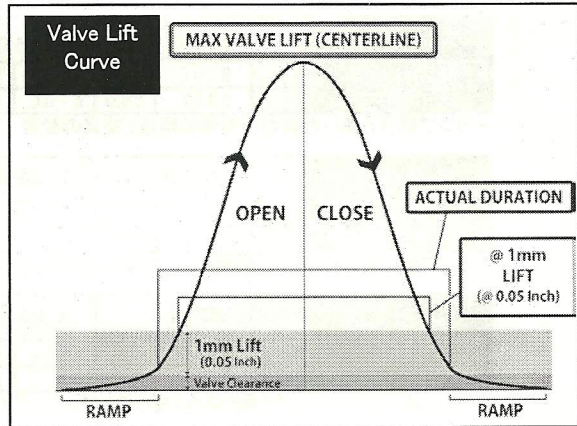
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

| CAM TIMING | | OPENS(°) | | CLOSES(°) | | TOTAL DURATION(°) |
|------------|----|----------|------|-----------|------|-------------------|
| at 1mm | IN | BTDC | 5.0 | ABDC | 42.5 | 227.5 |
| Valve Lift | EX | BBDC | 48.5 | BTDC | 2.0 | 226.5 |

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 | BTDC | 2.0 | ABDC | 39.0 | 221.0 |
| Valve Lift | EX | BBDC | 45.5 | BTDC | 5.0 | 220.5 |

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



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

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