

TOMEI Camshaft Spec Card

PART NAME **PROCAM** ENGINE **RB25DE(T) R33 Late Model**

PART NUMBER **SET** - **IN** **1417270092** **EX** **1419270092**

※ R33 Early / Late model compatible

| | | | | | | | | | | |
|-------|----|---------------|-------|-----------|----|-------|-------------------|-----------------|----|------|
| GRIND | IN | 270° / 9.25mm | SOLID | BACE | IN | Φ29.0 | ROCKER ARM RATIO* | VALVE CLEARANCE | IN | 0.45 |
| | EX | 270° / 9.25mm | SOLID | CIRCLE(Φ) | EX | Φ29.0 | - | WHEN COLD | EX | 0.38 |

| | | | | | | |
|------|----|-------------|---------------|-----------|----|-------|
| LIFT | IN | @CAM 9.25mm | @VALVE 8.80mm | LOBE | IN | 110.0 |
| | EX | @CAM 9.25mm | @VALVE 8.87mm | 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 24.0 | ABDC 66.0 | 270.0 |
| Valve Lift | EX | BBDC 69.0 | ATDC 21.0 | 270.0 |

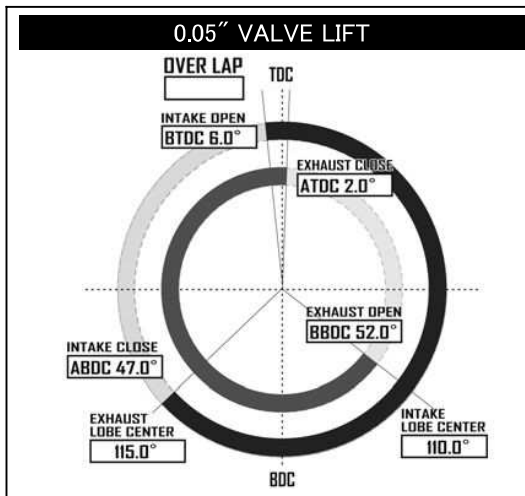
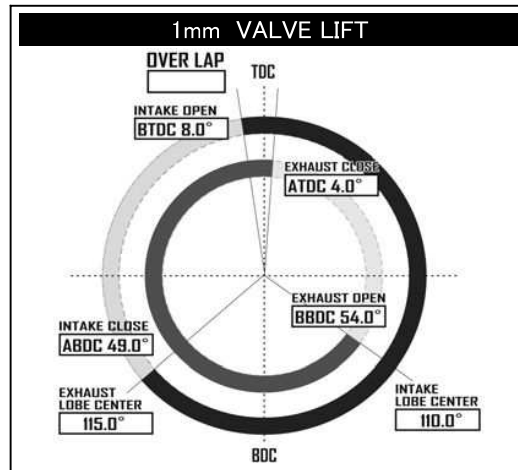
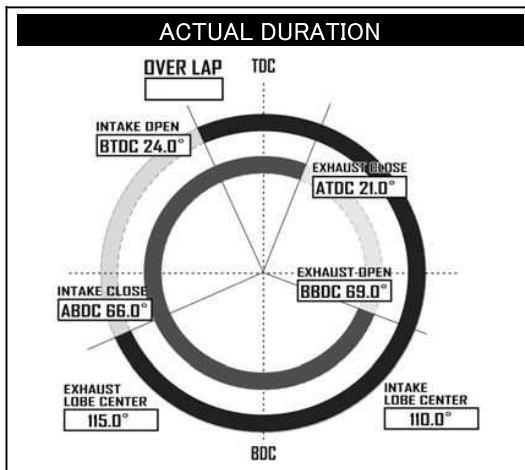
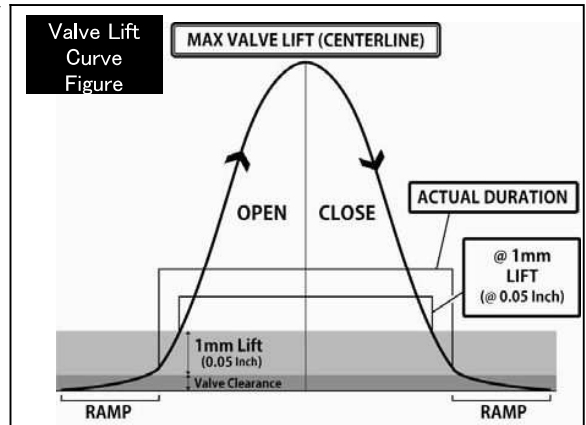
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

| CAM TIMING | | OPENS(°) | CLOSES(°) | TOTAL DURATION(°) |
|------------|----|-----------|-----------|-------------------|
| at 1mm | IN | BTDC 8.0 | ABDC 49.0 | 237.0 |
| Valve Lift | EX | BBDC 54.0 | ATDC 4.0 | 238.0 |

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 6.0 | ABDC 47.0 | 233.0 |
| Valve Lift | EX | BBDC 52.0 | ATDC 2.0 | 234.0 |

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



| REQUIRED VALVE SPRING SPEC | | |
|----------------------------|-----------|-----------|
| NOMAL HEIGHT (mm) | IN 41.0 | EX 44.5 |
| SET LENGTH (mm) | 35.0 | 34.4 |
| LIFT LENGTH (mm) | 25.0 | 25.6 |
| COMPRESSED HEIGHT (mm) | 24.0 | 22.8 |
| SET LOAD (kgf) | 24.2 ± 7% | 38.5 |
| LIFT LOAD (kgf) | 80.6 ± 7% | 72.0 ± 5% |
| TOMEI PART NUMBER | 163022 | |

| REQUIRED PARTS | |
|---------------------------|-------------------|
| PRODUCT NAME | TOMEI PART NUMBER |
| SOLID VALVE LIFTERS | 163006 |
| SHIMS | |
| ADJUSTABLE CAM PULLEYS IN | 152009 |
| ADJUSTABLE CAM PULLEYS EX | 152010 |
| VALVE SPRINGS TYPE-B | 163022 |

TOMEI
The Engine Specialist