

# TOMEI Camshaft Spec Card

|           |        |  |  |        |           |  |  |
|-----------|--------|--|--|--------|-----------|--|--|
| PART NAME | PROCAM |  |  | ENGINE | RB20DE(T) |  |  |
|-----------|--------|--|--|--------|-----------|--|--|

|             |     |   |    |            |    |            |
|-------------|-----|---|----|------------|----|------------|
| PART NUMBER | SET | - | IN | 1411270088 | EX | 1412270088 |
|-------------|-----|---|----|------------|----|------------|

|       |    |               |      |      |           |       |                   |                 |       |           |
|-------|----|---------------|------|------|-----------|-------|-------------------|-----------------|-------|-----------|
| GRIND | IN | 270° / 8.80mm | LASH | BACE | IN        | Φ32.0 | ROCKER ARM RATIO* | VALVE CLEARANCE | IN    | -         |
|       | EX | 270° / 8.80mm | LASH |      | CIRCLE(Φ) | EX    |                   |                 | Φ32.0 | WHEN COLD |

|      |    |              |               |      |           |       |
|------|----|--------------|---------------|------|-----------|-------|
| LIFT | IN | @CAM 10.25mm | @VALVE 8.80mm | LOBE | IN        | 115.0 |
|      | EX | @CAM 10.25mm | @VALVE 8.80mm |      | CENTER(°) | EX    |

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

| CAM TIMING      |    | OPENS(°) |      | CLOSES(°) |      | Actual Duration @ Opening(°) |
|-----------------|----|----------|------|-----------|------|------------------------------|
| Actual Duration | IN | BTDC     | 19.0 | ABDC      | 71.0 | 270.0                        |
| Valve Lift      | EX | BBDC     | 71.0 | ATDC      | 19.0 | 270.0                        |

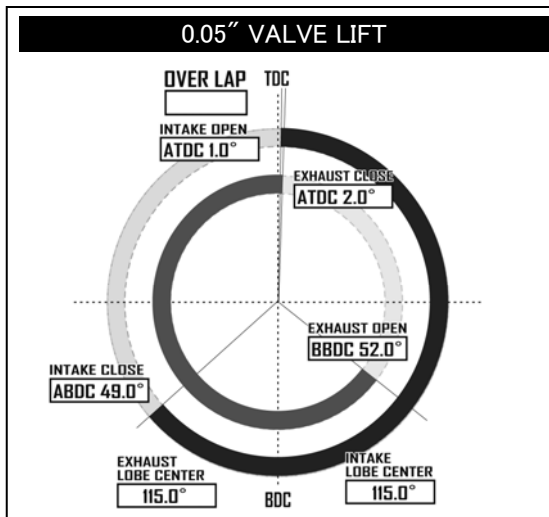
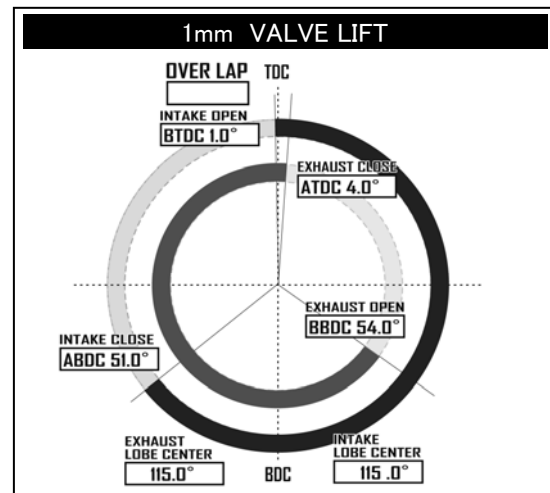
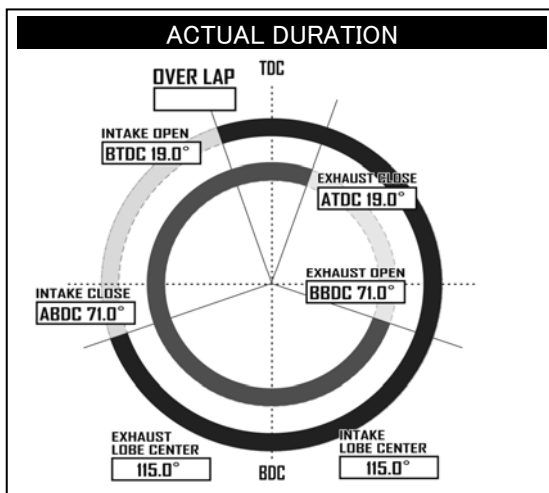
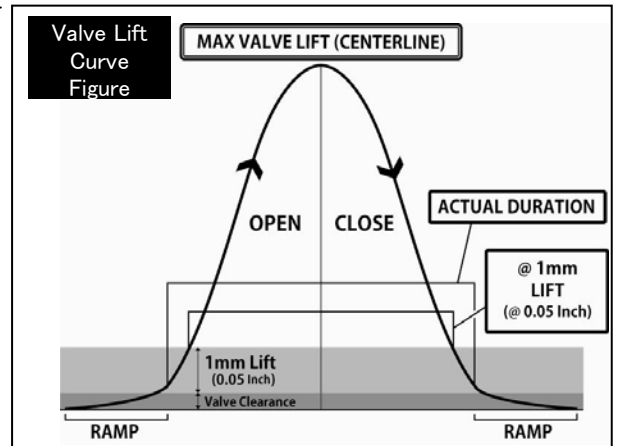
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

| CAM TIMING |    | OPENS(°) |      | CLOSES(°) |      | TOTAL DURATION(°) |
|------------|----|----------|------|-----------|------|-------------------|
| at 1mm     | IN | BTDC     | 1.0  | ABDC      | 51.0 | 232.0             |
| 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 | ATDC     | 1.0  | ABDC      | 49.0 | 228.0             |
| 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)          | 41.0      |
| SET LENGTH (mm)            | 35.0      |
| LIFT LENGTH (mm)           | 25.0      |
| COMPRESSED HEIGHT (mm)     | 24.0      |
| SET LOAD (kgf)             | 24.2 ± 7% |
| LIFT LOAD (kgf)            | 80.6 ± 7% |
| TOMEI PART NUMBER          | 13203R800 |

| REQUIRED PARTS            |                   |
|---------------------------|-------------------|
| PRODUCT NAME              | TOMEI PART NUMBER |
| ADJUSTABLE CAM PULLEYS IN | 152009            |
| ADJUSTABLE CAM PULLEYS EX | 152010            |
|                           |                   |
|                           |                   |
|                           |                   |