

# TAM QUICK ENGINE SPECIFICATION

specs\_nis\_z24.xlsx

| Nissan Z24            |                 |             |                       |                  |
|-----------------------|-----------------|-------------|-----------------------|------------------|
| 2389 C.C.             |                 |             |                       |                  |
| BORE                  | STROKE          | FIRING      | MAIN                  | ROD              |
|                       |                 | ORDER       | JOURNAL               | JOURNAL          |
| 3.504                 | 3.78            | 1-3-4-2     | 2.1636                | 1.9675           |
| SPARK PLUG            | SPARK PLUG      | DISTRIBUTOR | IGN. TIMING           | OIL CAPACITY     |
| TYPE                  | GAP             | GAP         | IDLE SPEED            | WITH FILTER      |
| B4ES                  | .028-.031       | .018-.022   | 12 deg.BTDC/650       | 3.2 U.S.qts.     |
| TORQUE VALUES         |                 |             |                       |                  |
| LOCATION              | FT. LB.         |             | LOCATION              | FT. LB.          |
| Main brg.caps         | 33-40           |             | Oil pan drain plug    | 14-29            |
| Rod brg. caps         | 33-40           |             | Oil pump bolt         | 8-11             |
| Cyl. head bolts       | 54-61           |             | Rocker arm nut        | 12-17            |
| Cam sprocket bolt     | 87-116          |             | Rckr.shaft brckt.bolt | 11-18            |
| Crank pulley bolt     | 87-116          |             | Side cover bolt       |                  |
| Flywheel bolt         | 65-80           |             | Spark plug            | 13-17            |
| Flywheel housing      | 65-80           |             | Water outlet bolt     |                  |
| Manifold bolt and nut | 10-13           |             | Water pump bolt       | M6(3-7) M8(7-12) |
| Oil pan bolt          | 2.9-4.3         |             | Wtr.pmp.pulley bolt   |                  |
| PISTON                |                 |             |                       |                  |
| Diameter              | 3.5026-3.5029   |             | Cyl.bore clearance    | .0010-.0018      |
| Pin diameter          | .8265-.8267     |             |                       |                  |
| RINGS                 |                 |             |                       |                  |
| Ring gap-Top          | .0098-.0157     |             | Side clearance-Top    | .0016-.0029      |
| Ring gap-2nd          | .0059-.0118     |             | Side clearance-2nd    | .0012-.0025      |
| Ring gap-Oil          | .0118-.0354     |             |                       |                  |
| CRANKSHAFT            |                 |             |                       |                  |
| Main journal dia.     | 2.1631-2.1636   |             | Rod journal dia.      | 1.9670-1.9675    |
| Main run clearance    | .0008-.0024     |             | Rod run clearance     | .0005-.0021      |
| End play              | .0020-.0071     |             |                       |                  |
| CAMSHAFT              |                 |             |                       |                  |
| Front journal dia.    | 1.2967-1.2974   |             | End play              | 0.008            |
| VALVES                |                 |             |                       |                  |
| Intake length         | 4.8858-4.8976   |             | Exhaust length        | 4.9252-4.9370    |
| Intake stem dia.      | .3136-.3142     |             | Exhaust stem dia.     | .3128-.3134      |
| Intake head dia.      | 1.654           |             | Exhaust head dia.     | 1.5              |
| Intake face angle     | 45 deg. 30 sec. |             | Exhaust face angle    | 45 deg. 30 sec.  |
| Intake clearance      | .012 hot        |             | Exhaust clearance     | .012 hot         |