

# TAM QUICK ENGINE SPECIFICATION

specs\_mit\_4g63.xlsx

| Mitsubishi 4G63       |                  |                |                       |                          |
|-----------------------|------------------|----------------|-----------------------|--------------------------|
| 1997 C.C.             |                  |                |                       |                          |
| BORE                  | STROKE           | FIRING ORDER   | MAIN JOURNAL          | ROD JOURNAL              |
| 3.35                  | 3.46             | 1-3-4-2        | 2.2435-2.2832         | 1.7714                   |
| SPARK PLUG TYPE       | SPARK PLUG GAP   | IGN.TIMING Gas | IGN.TIMING LPG        | OIL CAPACITY WITH FILTER |
| Gas:W14EX-U           | .028-.031        | 4 deg.BTDC/740 | 9 deg.BTDC/740        | 1.27 U.S.gals.           |
| TORQUE VALUES         |                  |                |                       |                          |
| LOCATION              | FT. LB.          |                | LOCATION              | FT. LB.                  |
| Main brg.caps         | 14.5 + 1/4 turn  |                | Oil pan drain plug    | 28.9                     |
| Rod brg.caps          | 14.5 + 1/4 turn  |                | Oil pump bolt         |                          |
| Cyl. head bolts       | 14.5 + 1/4 + 1/4 |                | Rocker arm nut        |                          |
| Cam sprocket bolt     | 65.1             |                | Rckr.shaft brckt.bolt |                          |
| Crank pulley bolt     | 18.1             |                | Timing cover          |                          |
| Flywheel bolt         | 97.6             |                | Spark plug            | 18.1                     |
| Flywheel housing      |                  |                | Water outlet bolt     | 10.1                     |
| Manifold bolt and nut | Int:13 Ex:25.3   |                | Water pump bolt       | 10.1                     |
| Oil pan bolt          | 5.1              |                | Wtr.pmp.pulley bolt   | 6.5                      |
| PISTON                |                  |                |                       |                          |
| Diameter              |                  |                | Cyl.bore clearance    |                          |
| Pin diameter          |                  |                |                       |                          |
| RINGS                 |                  |                |                       |                          |
| Ring gap-Top          |                  |                | Side clearance Top    |                          |
| Ring gap-2nd          |                  |                | Side clearance 2nd    |                          |
| Ring gap-Oil          |                  |                | Side clearance Oil    |                          |
| CRANKSHAFT            |                  |                |                       |                          |
| Main journal dia.     | 2.2435-2.2832    |                | Rod journal dia.      | 1.77106-1.77145          |
| Main run clearance    | .0008-.0016      |                | Rod run clearance     | .0008-.0020              |
| End play              | .0020-.0071      |                |                       |                          |
| CAMSHAFT              |                  |                |                       |                          |
| 1st journal dia.      | 1.33602-1.33661  |                | End play              |                          |
| 2nd journal dia.      |                  |                |                       |                          |
| 3rd journal dia.      |                  |                |                       |                          |
| VALVES                |                  |                |                       |                          |
| Intake length         | 4.3213           |                | Exhaust length        | 4.1953                   |
| Intake stem dia.      | .31339-.31398    |                | Exhaust stem dia.     | .31220-.31299            |
| Intake head dia.      |                  |                | Exhaust head dia.     |                          |
| Intake face angle     | 45 deg.          |                | Exhaust face angle    | 45 deg.                  |
| Intake clearance      |                  |                | Exhaust clearance     |                          |