

### IAME SERIES UAE – TECHNICAL REGULATIONS - APPENDIX 3

#### **Supplementary Timing checking on IAME X30 Water Swift 60cc**

##### DIFFERENTIAL READING BETWEEN EXHAUST AND INLET

1. Install the graduated disc or the encoder onto the crankshaft.
2. Insert the feeler gauge (wedge) 0.2x5mm at the centre of inlet port.
3. Rotate the crankshaft counter clockwise (seen from clutch side), and take the piston skirt in contact with the feeler gauge.
4. Set to zero the graduated disc or the encoder.
5. Rotate the crankshaft clockwise enough to lift the piston and release the feeler gauge.
6. Rotate the crankshaft counter clockwise to lower the piston until the exhaust port is open.
7. Insert the feeler gauge in centre of the exhaust port.
8. Rotate the crankshaft clockwise and take the piston ring in contact with the feeler gauge.
9. Check the disc or encoder reading. To be legal it must be:

Minimum 30°  
Maximum 31°

##### DIFFERENTIAL READING BETWEEN EXHAUST AND TRANSFERS

1. Install the graduated disc or the encoder onto the crankshaft.
2. Insert the feeler gauge (wedge) 0.2x5mm at the centre of exhaust port.
3. Rotate the crankshaft clockwise (seen from clutch side) and take the piston ring in contact with the feeler gauge.
4. Set to zero the graduated disc or the encoder.
5. Rotate the crankshaft counter clockwise to lower the piston until the transfer ports are open.
6. Insert the feeler gauge into one of the transfer ports.
7. Rotate the crankshaft clockwise and take the piston ring in contact with the feeler gauge.
8. Check the disc or encoder reading. To be legal it must be:

Minimum 19.5°  
Maximum 20.5°