

|                          |    |                    |                  |              |             |                |          |
|--------------------------|----|--------------------|------------------|--------------|-------------|----------------|----------|
| Intake Valve Clearance:  |    |                    |                  |              |             |                |          |
| Metric                   |    | 0.254              |                  |              |             |                |          |
| Standard                 |    | 0.010              |                  |              |             |                |          |
|                          |    |                    |                  |              |             |                |          |
|                          |    | Current Clearances |                  | Shim Current | Shim Needed | Shim Available | Shim Err |
| Intake                   |    | Inches             | Metric Converted |              |             |                |          |
|                          |    | 25.4               |                  |              |             |                |          |
|                          | 1  | 0.006              | 0.152            | 5.28         | 5.18        | 5.26           | 0.0068   |
|                          | 2  | 0.006              | 0.152            | 5.22         | 5.12        | 5.22           | 0.0060   |
|                          | 3  | 0.012              | 0.305            | 5.30         | 5.35        | 5.14           | 0.0183   |
|                          | 4  | 0.011              | 0.279            | 5.30         | 5.33        | 5.24           | 0.0134   |
|                          | 5  | 0.011              | 0.279            | 5.36         | 5.39        | 5.28           | 0.0141   |
|                          | 6  | 0.012              | 0.305            | 5.36         | 5.41        | 5.42           | 0.0096   |
|                          | 7  | 0.006              | 0.152            | 5.34         | 5.24        | 5.34           | 0.0060   |
|                          | 8  | 0.008              | 0.203            | 5.30         | 5.25        | 5.34           | 0.0064   |
|                          | 9  | 0.006              | 0.152            | 5.28         | 5.18        | 5.28           | 0.0060   |
|                          | 10 | 0.006              | 0.152            | 5.24         | 5.14        | 5.24           | 0.0060   |
|                          | 11 | 0.006              | 0.152            | 5.20         | 5.10        | 5.20           | 0.0060   |
|                          | 12 | 0.006              | 0.152            | 5.24         | 5.14        | 5.24           | 0.0060   |
| Exhaust Valve Clearance: |    |                    |                  |              |             |                |          |
| Metric                   |    | 0.254              |                  |              |             |                |          |
| Standard                 |    | 0.010              |                  |              |             |                |          |
|                          |    |                    |                  |              |             |                |          |
|                          |    | Current Clearances |                  | Shim Current | Shim Needed | Shim Available | Shim Err |
| Exhaust                  |    | Inches             | Metric Converted |              |             |                |          |
|                          |    | 25.4               |                  |              |             |                |          |
|                          | 1  | 0.008              | 0.203            | 5.50         | 5.45        | 5.50           | 0.0080   |
|                          | 2  | 0.008              | 0.203            | 5.44         | 5.39        | 5.44           | 0.0080   |
|                          | 3  | 0.006              | 0.152            | 5.28         | 5.18        | 5.20           | 0.0091   |
|                          | 4  | 0.008              | 0.203            | 5.44         | 5.39        | 5.44           | 0.0080   |
|                          | 5  | 0.008              | 0.203            | 5.42         | 5.37        | 5.46           | 0.0064   |
|                          | 6  | 0.008              | 0.203            | 5.42         | 5.37        | 5.42           | 0.0080   |
|                          | 7  | 0.008              | 0.203            | 5.44         | 5.39        | 5.44           | 0.0080   |

|    |       |       |  |      |      |             |        |
|----|-------|-------|--|------|------|-------------|--------|
| 8  | 0.013 | 0.330 |  | 5.40 | 5.48 | <b>5.54</b> | 0.0075 |
| 9  | 0.008 | 0.203 |  | 5.46 | 5.41 | 5.46        | 0.0080 |
| 10 | 0.013 | 0.330 |  | 5.58 | 5.66 | <b>5.70</b> | 0.0083 |
| 11 | 0.008 | 0.203 |  | 5.60 | 5.55 | 5.58        | 0.0088 |
| 12 | 0.008 | 0.203 |  | 5.58 | 5.53 | 5.58        | 0.0080 |