Valve Shim Thickness Worksheet

Service Diagnostics (MT042)

ZU-X-S-51 (8/03)

BMW Motorrad USA

Technical Training

Model of Bike: _____

Customer: _____

4 Cylinder K Bike Models

3 Cylinder K Bike Models

F 650 Models

Intake Valves	Cylinder 1 A	Cylinder 1 B	Cylinder 2 A	Cylinder 2 B	Cylinder 3 A	Cylinder 3 B	Cylinder 4 A	Cylinder 4 B
Measured Clearance	_____	_____mm	_____	_____mm	_____	_____mm	_____	_____mm
Existing shim thickness	+_____	+_____mm	+_____	+_____mm	+_____	+_____mm	+_____	+_____mm
Total (Add first two lines)	=_____	=_____mm	=_____	=_____mm	=_____	=_____mm	=_____	=_____mm
Target clearance (subtract)	-_____	-_____mm	-_____	-_____mm	-_____	-_____mm	-_____	-_____mm
Calculated ideal shim size	=_____	=_____mm	=_____	=_____mm	=_____	=_____mm	=_____	=_____mm
Actual Shim size to be used If calculated ideal shim size does not end in a 0 or 5 (ie: 2.05, or 2.10) round up to make it end in 0 or 5	=_____	=_____mm	=_____	=_____mm	=_____	=_____mm	=_____	=_____mm

Exhaust Valves	Cylinder 1 A	Cylinder 1 B	Cylinder 2 A	Cylinder 2 B	Cylinder 3 A	Cylinder 3 B	Cylinder 4 A	Cylinder 4 B
Measured Clearance	_____	_____mm	_____	_____mm	_____	_____mm	_____	_____mm
Existing shim thickness	+_____	+_____mm	+_____	+_____mm	+_____	+_____mm	+_____	+_____mm
Total (Add first two lines)	=_____	=_____mm	=_____	=_____mm	=_____	=_____mm	=_____	=_____mm
Target clearance (subtract)	-_____	-_____mm	-_____	-_____mm	-_____	-_____mm	-_____	-_____mm
Calculated Ideal shim size	=_____	=_____mm	=_____	=_____mm	=_____	=_____mm	=_____	=_____mm
Actual Shim size to be used If calculated ideal shim size does not end in a 0 or 5 (ie: 2.05, or 2.10) round up to make it end in 0 or 5	=_____	=_____mm	=_____	=_____mm	=_____	=_____mm	=_____	=_____mm