

Desmoquattro Valve Adjustment Shim Calculations

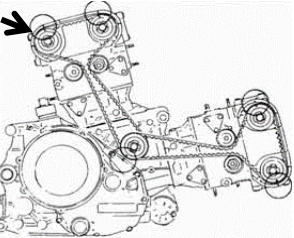
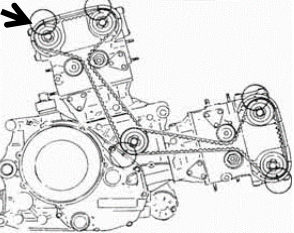
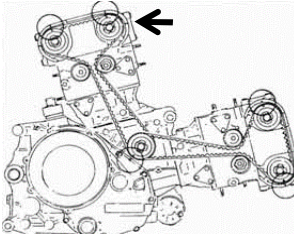
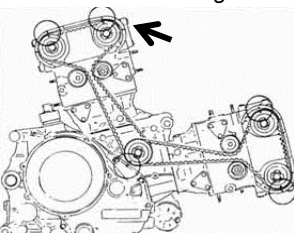
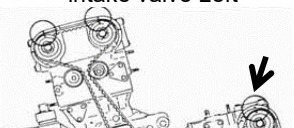
Bike: ST4s Mileage: 21,765
 Owner: Vinnie Date: 2/11/2017

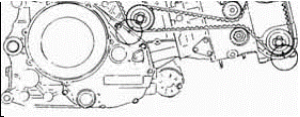
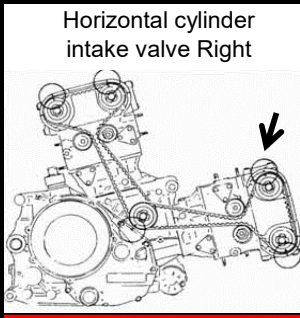
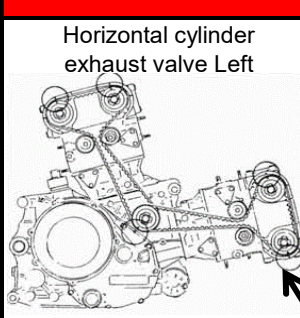
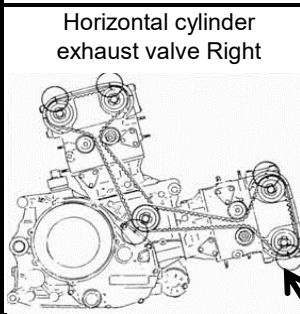
Conversion charts	Value	Converted
Metric to English	0.100	0.004
English to Metric	0.013	0.330

inch
mm

Ducati rec opn.05mm-.18mm clsr.15mm-.25mm opn.05mm-.23mm clsr.10mm-.20mm	Required for calculations Input recommended shim clearance (LT) All clearances in mm	Intake Opener shim	Intake Closer shim
		0.100	0.100
		Exhaust Opener shim	Exhaust Closer shim
		0.150	0.100

Ducati Spec (mm)	Intake	Opener	0.050	0.160	Exhaust	Opener	0.050	0.160
		Closer	0.100	0.160		Closer	0.100	0.160

Vertical cylinder exhaust valve Left 	Input values in blank cells			Calculated information		
	STEP 1	Unloaded Gap	Loaded Gap	Result of step 1	Opener shim	Closer shim
	Measured gap values	0.127	0.254	Actual GAP values	0.127	0.127
	STEP 2	Opener shim	Closer shim	Recommended shim		
	Current shim size					
Vertical cylinder exhaust valve Right 	Input values in blank cells			Calculated information		
	STEP 1	Unloaded Gap	Loaded Gap	Result of step 1	Opener shim	Closer shim
	Measured gap values	0.152	0.330	Actual GAP values	0.152	0.178
	STEP 2	Opener shim	Closer shim	Recommended shim		3.078
	Current shim size		3.000			
Vertical cylinder intake valve Left 	Input values in blank cells			Calculated information		
	STEP 1	Unloaded Gap	Loaded Gap	Result of step 1	Opener shim	Closer shim
	Measured gap values	0.100	0.203	Actual GAP values	0.100	0.103
	STEP 2	Opener shim	Closer shim	Recommended shim		
	Current shim size					
Vertical cylinder intake valve Right 	Input values in blank cells			Calculated information		
	STEP 1	Unloaded Gap	Loaded Gap	Result of step 1	Opener shim	Closer shim
	Measured gap values	0.076	0.178	Actual GAP values	0.076	0.102
	STEP 2	Opener shim	Closer shim	Recommended shim		
	Current shim size					
Horizontal cylinder intake valve Left 	Input values in blank cells			Calculated information		
	STEP 1	Unloaded Gap	Loaded Gap	Result of step 1	Opener shim	Closer shim
	Measured gap values	0.127	0.279	Actual GAP values	0.127	0.152
	STEP 2	Opener shim	Closer shim	Recommended shim		
	Current shim size					

	STEP 3 Actual shim used	Opener shim	Closer shim	Estimated clearance with new shim installed		
	STEP 4 Measured gap values	Unloaded Gap	Loaded Gap	Result of step 4 New actual gap		
Horizontal cylinder intake valve Right 	Input values in blank cells			Calculated information		
	STEP 1 Measured gap values	Unloaded Gap	Loaded Gap	Result of step 1 Actual GAP values	Opener shim	Closer shim
	STEP 2 Current shim size	Opener shim	Closer shim	Recommended shim		
	STEP 3 Actual shim used	Opener shim	Closer shim	Estimated clearance with new shim installed		
	STEP 4 Measured gap values	Unloaded Gap	Loaded Gap	Result of step 4 New actual gap		
Horizontal cylinder exhaust valve Left 	Input values in blank cells			Calculated information		
	STEP 1 Measured gap values	Unloaded Gap	Loaded Gap	Result of step 1 Actual GAP values	Opener shim	Closer shim
	STEP 2 Current shim size	Opener shim	Closer shim	Recommended shim		
	STEP 3 Actual shim used	Opener shim	Closer shim	Estimated clearance with new shim installed		
	STEP 4 Measured gap values	Unloaded Gap	Loaded Gap	Result of step 4 New actual gap		
Horizontal cylinder exhaust valve Right 	Input values in blank cells			Calculated information		
	STEP 1 Measured gap values	Unloaded Gap	Loaded Gap	Result of step 1 Actual GAP values	Opener shim	Closer shim
	STEP 2 Current shim size	Opener shim	Closer shim	Recommended shim		
	STEP 3 Actual shim used	Opener shim	Closer shim	Estimated clearance with new shim installed		
	STEP 4 Measured gap values	Unloaded Gap	Loaded Gap	Result of step 4 New actual gap		