

Testastretta Valve Adjustment Shim Calculations

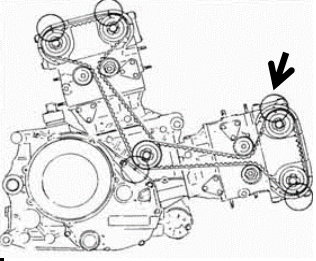
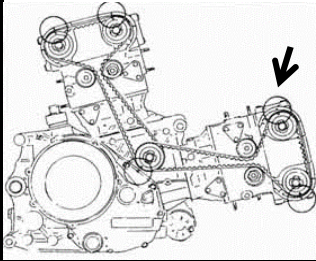
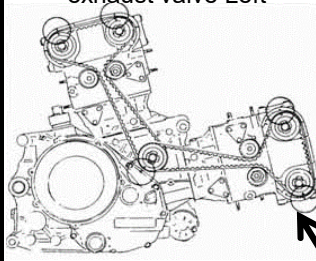
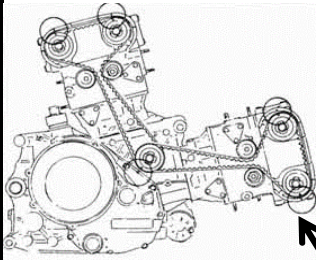
Bike: 998sFE Mileage: 12,440
 Owner: Vinnie Date: 4/8/2017

Conversion charts	Value	Converted
Metric to English	0.1800	0.0071
English to Metric	0.0052	0.1321

inch
mm

Ducati rec	Required for calculations Input recommended shim clearance (LT) in mm	Intake Opener shim	Intake Closer shim
.18mm-.23mm		0.180	0.130
.13mm-.18mm		Exhaust Opener shim 0.180	Exhaust Closer shim 0.130
Ducati Op Spec	Opener 0.180	0.230	
	Closer 0.130	0.180	

Vertical cylinder exhaust valve Left	Input values in blank cells			Calculated information		
		Opener Gap	Closer Gap		Opener shim	Closer shim
	STEP 1 Measured gap values	0.180	0.200	Diff from Spec value	0	0.070
	STEP 2 Current shim size	2.900	3.140	Recommended shim	2.900	3.210
	STEP 3 Actual shim used	2.900	3.210	Estimated new clearance with new shim	0.180	0.130
	STEP 4 Measured gap values			New actual gap		
Vertical cylinder exhaust valve Right	Input values in blank cells			Calculated information		
		Opener Gap	Closer Gap		Opener shim	Closer shim
	STEP 1 Measured gap values	0.180	0.150	Diff from Spec value	0	0.020
	STEP 2 Current shim size	2.820		Recommended shim	2.820	
Vertical cylinder intake valve Left	Input values in blank cells			Calculated information		
		Opener Gap	Closer Gap		Opener shim	Closer shim
	STEP 1 Measured gap values	0.150	0.180	Diff from Spec value	-0.03	0.050
	STEP 2 Current shim size	2.920	3.090	Recommended shim	2.890	3.140
Vertical cylinder intake valve Right	Input values in blank cells			Calculated information		
		Opener Gap	Closer Gap		Opener shim	Closer shim
	STEP 1 Measured gap values	0.150	0.200	Diff from Spec value	-0.03	0.070
	STEP 2 Current shim size	2.880	3.080	Recommended shim	2.850	3.150
	STEP 3 Actual shim used	2.860	3.150	Estimated new clearance with new shim	0.170	0.130
	STEP 4 Measured gap values			New actual gap		

		Input values in blank cells		Calculated information		
					Opener shim	Closer shim
Horizontal cylinder intake valve Left 	STEP 1	Opener Gap	Closer Gap	Diff from Spec value	-0.03	0.070
	Measured gap values	0.150	0.200			
	STEP 2	Opener shim	Closer shim	Recommended shim	2.950	3.120
	Current shim size	2.980	3.050			
	STEP 3	Opener shim	Closer shim	Estimated new clearance with new shim	0.160	0.150
Actual shim used	2.970	3.100				
STEP 4	Opener Gap	Closer Gap	New actual gap			
Measured gap values						
Horizontal cylinder intake valve Right 	STEP 1	Opener Gap	Closer Gap	Diff from Spec value	-0.03	0.050
	Measured gap values	0.150	0.180			
	STEP 2	Opener shim	Closer shim	Recommended shim	2.870	3.150
	Current shim size	2.900	3.100			
	STEP 3	Opener shim	Closer shim	Estimated new clearance with new shim	0.180	0.130
Actual shim used	2.870	3.150				
STEP 4	Opener Gap	Closer Gap	New actual gap			
Measured gap values						
Horizontal cylinder exhaust valve Left 	STEP 1	Opener Gap	Closer Gap	Diff from Spec value	0.02	0.050
	Measured gap values	0.200	0.180			
	STEP 2	Opener shim	Closer shim	Recommended shim	2.920	3.130
	Current shim size	2.900	3.080			
	STEP 3	Opener shim	Closer shim	Estimated new clearance with new shim	0.190	0.160
Actual shim used	2.910	3.100				
STEP 4	Opener Gap	Closer Gap	New actual gap			
Measured gap values						
Horizontal cylinder exhaust valve Right 	STEP 1	Opener Gap	Closer Gap	Diff from Spec value	0	0.050
	Measured gap values	0.180	0.180			
	STEP 2	Opener shim	Closer shim	Recommended shim	2.920	3.120
	Current shim size	2.920	3.070			
	STEP 3	Opener shim	Closer shim	Estimated new clearance with new shim	0.180	0.150
Actual shim used	2.920	3.100				
STEP 4	Opener Gap	Closer Gap	New actual gap			
Measured gap values						