

DUCATI 4 VALVE MOTOR - VALVE CLEARANCE MEASUREMENT AND ADJUSTMENT CALCULATIONS WORKSHEET DATE _____ MILEAGE _____

HORIZONTAL CYLINDER

STEP 1 - Fill in the **DUCATI** Specified opening (block **B**) and closing (block **I**) clearances

		OPENING SHIM CLEARANCE									
		OPENING SHIM CLEARANCE (UNLOADED GAP) A	**DUCATI SPECIFIED OPENING SHIM CLEARANCE B	IF A GREATER THAN B SUBTRACT A-B to get C. C	OPENING SHIM MEASUREMENT D	NEW OPENING SHIM SIZE (E) C + D = E: E					
HORIZONTAL CYLINDER	INTAKE	LEFT OPENER	(-)	(=)	(+)	(=)	** NOTE: IF THE GAP MEASURED FOR THE OPENING OR CLOSING SHIMS IS WITHIN THE RANGE SPECIFIED BY THE SERVICE MANUAL, THEN THE SHIM IS GOOD AND DOESNT REQUIRE CHANGE OUT.				
		RIGHT OPENER	(-)	(=)	(+)	(=)					
			CLOSING SHIM MEASURED CLEARANCE (LOADED GAP) F	OPENING SHIM CLEARANCE (UNLOADED GAP) A	SUBTRACT F-A=H (H) is the actual closing rocker/shim clearance H	**DUCATI SPECIFIED CLOSING SHIM CLEARANCE I				IF (H) IS GREATER THAN (I) SUBTRACT: H - I = J J	CLOSING SHIM MEASUREMENT K
	LEFT CLOSER	(-)	(=)	(-)	(=)	(+)				(=)	
	RIGHT CLOSER	(-)	(=)	(-)	(=)	(+)				(=)	
	EXHAUST		LEFT OPENER	(-)	(=)	(+)				(=)	** NOTE: IF THE GAP MEASURED FOR THE OPENING OR CLOSING SHIMS IS WITHIN THE RANGE SPECIFIED BY THE SERVICE MANUAL, THEN THE SHIM IS GOOD AND DOESNT REQUIRE CHANGE OUT.
RIGHT OPENER			(-)	(=)	(+)	(=)					
			CLOSING SHIM MEASURED CLEARANCE (LOADED GAP) F	OPENING SHIM CLEARANCE (UNLOADED GAP) A	SUBTRACT F-A=H (H) is the actual closing rocker/shim clearance H	**DUCATI SPECIFIED CLOSING SHIM CLEARANCE I	IF (H) IS GREATER THAN (I) SUBTRACT: H - I = J J	CLOSING SHIM MEASUREMENT K	NEW CLOSING SHIM SIZE (L) J + K = L L		
LEFT CLOSER		(-)	(=)	(-)	(=)	(+)	(=)				
RIGHT CLOSER		(-)	(=)	(-)	(=)	(+)	(=)				

VERTICAL CYLINDER

		OPENING SHIM CLEARANCE									
		OPENING SHIM CLEARANCE (UNLOADED GAP) A	**DUCATI SPECIFIED OPENING SHIM CLEARANCE B	IF A GREATER THAN B SUBTRACT A-B to get C. C	OPENING SHIM MEASUREMENT D	NEW OPENING SHIM SIZE (E) C + D = E: D+C=E					
VERTICAL CYLINDER	INTAKE	LEFT OPENER	(-)	(=)	(+)	(=)	** NOTE: IF THE GAP MEASURED FOR THE OPENING OR CLOSING SHIMS IS WITHIN THE RANGE SPECIFIED BY THE SERVICE MANUAL, THEN THE SHIM IS GOOD AND DOESNT REQUIRE CHANGE OUT.				
		RIGHT OPENER	(-)	(=)	(+)	(=)					
			CLOSING SHIM MEASURED CLEARANCE (LOADED GAP) F	OPENING SHIM CLEARANCE (UNLOADED GAP) A	SUBTRACT F-A=H (H) is the actual closing rocker/shim clearance H	**DUCATI SPECIFIED CLOSING SHIM CLEARANCE I				IF (H) IS GREATER THAN (I) SUBTRACT: H - I = J J	CLOSING SHIM MEASUREMENT K
	LEFT CLOSER	(-)	(=)	(-)	(=)	(+)				(=)	
	RIGHT CLOSER	(-)	(=)	(-)	(=)	(+)				(=)	
	EXHAUST		LEFT OPENER	(-)	(=)	(+)				(=)	** NOTE: IF THE GAP MEASURED FOR THE OPENING OR CLOSING SHIMS IS WITHIN THE RANGE SPECIFIED BY THE SERVICE MANUAL, THEN THE SHIM IS GOOD AND DOESNT REQUIRE CHANGE OUT.
RIGHT OPENER			(-)	(=)	(+)	(=)					
			CLOSING SHIM MEASURED CLEARANCE (LOADED GAP) F	OPENING SHIM CLEARANCE (UNLOADED GAP) A	SUBTRACT F-A=H (H) is the actual closing rocker/shim clearance H	**DUCATI SPECIFIED CLOSING SHIM CLEARANCE I	IF (H) IS GREATER THAN (I) SUBTRACT: H - I = J J	CLOSING SHIM MEASUREMENT K	NEW CLOSING SHIM SIZE (L) J + K = L L		
LEFT CLOSER		(-)	(=)	(-)	(=)	(+)	(=)				
RIGHT CLOSER		(-)	(=)	(-)	(=)	(+)	(=)				

ADDITIONAL MAINTENANCE ITEMS

MILEAGE	DATE	DESCRIPTION	NOTES