DUCATI 4 VALVE MOTOR VALVE CLEARANCE MEASUREMENT AND ADJUSTMENT CALCULATIONS WORKSHEET DATE______ MILEAGE______

HORIZONTAL CYLINDER

STE	P 1 - F	ill in the DU	CATI Specified open	ing				ara	nces						
						HIN	CLEARANCE								
			OPENING SHIM CLEARANCE (UNLOADED GAP)		**DUCATI SPECIFIED OPENING SHIM CLEARANCE		IF A GREATER THAN B SUBTRACT A-B to get C.		OPENING SHIM MEASUREMENT		NEW OPENING SHIM SIZE (E) C + D = E:				
			Α		В		С		D		E				
		LEFT OPENER		(-)		(=)		(+)		(=)			** NOTE IF THE CAR A	IE A G	SURED FOR THE OPENING OR
	INTAKE					()		(+)		()			CLOSING SHIMS IS WITH SERVICE MANUAL, THEN	THI	HE RANGE SPECIFIED BY THE E SHIM IS GOOD AND DOESN'T
		RIGHT OPENER		(-)		(=)		(+)		(=)			REQUI	SE C	HANGE OUT.
ER			CLOSING SHIM MEASURED		OPENING SHIM CLEARANCE		SUBTRACT F-A=H (H) is the actual closing		**DUCATI SPECIFIED CLOSING SHIM		IF (H) IS GREATER THAN (I) SUBTRACT:		CLOSING SHIM		NEW CLOSING SHIM SIZE (L)
2			CLEARANCE (LOADED GAP)		(UNLOADED GAP)		rocker/shim clearance		CLEARANCE 		H-I=J J		MEASUREMENT K		J+K=L L
						<i>(</i>)		<i>(</i>)		()		<i>(.</i>)		,	
Ŋ.		LEFT CLOSER		(-)		(=)		(-)		(=)		(+)		=)	
NO		RIGHT CLOSER		(-)		(=)		(-)		(=)		(+)	[(=)	
HORIZONTAL CYLINDER	EXHAUST		OPENING SHIM CLEARANCE		**DUCATI SPECIFIED OPENING		IF A GREATER THAN B		OPENING SHIM		NEW OPENING SHIM				
포			(UNLOADED GAP)		SHIM CLEARANCE B		SUBTRACT A-B to get C.		MEASUREMENT D		SIZE (E) C+D=E:				
							J								
		LEFT OPENER		(-)		(=)		(+)		(=)			CLOSING SHIMS IS WITH	IN T	SURED FOR THE OPENING OR HE RANGE SPECIFIED BY THE
		RIGHT OPENER		(-)		(=)		(+)		(=)			SERVICE MANUAL, THEN REQUII	TH RE C	E SHIM IS GOOD AND DOESN'T HANGE OUT.
					OPENING SHIM		SUBTRACT F-A=H		**DUCATI SPECIFIED		IF (H) IS GREATER				
			CLOSING SHIM MEASURED CLEARANCE (LOADED GAP)		CLEARANCE (UNLOADED GAP)		(H) is the actual closing rocker/shim clearance		CLOSING SHIM CLEARANCE		THAN (1) SUBTRACT: H-I=J		CLOSING SHIM MEASUREMENT	-	NEW CLOSING SHIM SIZE (L) J + K = L
			F		A		Н		I		J		К		L
		LEFT CLOSER		(-)		(=)		(-)		(=)		(+)	(=)	
		RIGHT CLOSER		(-)		(=)		(-)		(=)		(+)		=)	
							VERTICAL	C'	YLINDER						
					OPENING S	HIN	CLEARANCE								
YLINDER	INTAKE		OPENING SHIM CLEARANCE		**DUCATI SPECIFIED OPENING SHIM CLEARANCE		IF A GREATER THAN B		OPENING SHIM		NEW OPENING SHIM				
			(UNLOADED GAP) A		SHIM CLEARANCE B		SUBTRACT A-B to get C. C		MEASUREMENT D		SIZE (E) C + D = E: D+C=E				
		LEET ODENED		<i>(</i>)		(-\		<i>(</i> .)		(_)					
		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 DOESN'T		
		RIGHT OPENER		(-)		(=)		(+)		(=)			REQUI	RE C	HANGE OUT.
			CLOSING SHIM MEASURED		OPENING SHIM CLEARANCE		SUBTRACT F-A=H (H) is the actual closing		**DUCATI SPECIFIED CLOSING SHIM		IF (H) IS GREATER THAN (I) SUBTRACT:		CLOSING SHIM		NEW CLOSING SHIM SIZE (L)
			CLEARANCE (LOADED GAP)		(UNLOADED GAP)		rocker/shim clearance		CLEARANCE		H-I=J		MEASUREMENT K		J+K=L L
			•						•						-
		LEFT CLOSER		(-)		(=)		(-)		(=)		(+)	(=)	
		RIGHT CLOSER		(-)		(=)		(-)		(=)		(+)	(=)	
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5					**DUCATI		IF A IS GREATER								
1			OPENING SHIM CLEARANCE (UNLOADED GAP)		**DUCATI SPECIFIED OPENING SHIM CLEARANCE		IF A IS GREATER THAN B SUBTRACT A- B to get C.		OPENING SHIM MEASUREMENT		NEW OPENING SHIM SIZE (E) C + D = E:				
/ERTIC			OPENING SHIM CLEARANCE (UNLOADED GAP)		**DUCATI SPECIFIED OPENING SHIM CLEARANCE		IF A IS 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 CYL	L	LEFT OPENER	(UNLOADED GAP)	(-)		(=)	B to get C.	(+)		(=)	SIZE (E) C + D = E:		" NOTE: IF THE GAP N	IEA\$	SURED FOR THE OPENING OR
VERTIC	AUST	LEFT OPENER	(UNLOADED GAP)				C C	(+)		(=)	SIZE (E) C + D = E:		SERVICE MANUAL, THEN	TH	SURED FOR THE OPENING OR HE RANGE SPECIFIED BY THE E SHIM IS GOOD AND DOESN'T HANGE OUT.
VERTIC	EXHAUST		(UNLOADED GAP)	(-)	В	(=)	C C SUBTRACT		D		SIZE (E) C+D=E: D+C=E		SERVICE MANUAL, THEN	TH	E SHIM IS GOOD AND DOESN'T
VERTIC	EXHAUST		(UNLOADED GAP)	(-)		(=)	B to get C.				SIZE (E) C + D = E:		SERVICE MANUAL, THEN	TH	E SHIM IS GOOD AND DOESN'T
VERTIC	EXHAUST		(UNLOADED GAP) A CLOSING SHIM MEASURED	(-)	OPENING SHIM CLEARANCE	(=)	SUBTRACT F-A=H		D **DUCATI SPECIFIED CLOSING SHIM		SIZE (E) C+D=E: D+C=E IF (H) IS GREATER THAN (I) SUBTRACT:		SERVICE MANUAL, THEN REQUII CLOSING SHIM	TH	E SHIM IS GOOD AND DOESN'T HANGE OUT. NEW CLOSING SHIM SIZE (L)
VERTIC	EXHAUST		(UNLOADED GAP) A CLOSING SHIM MEASURED CLEARANCE (LOADED GAP)	(-)	OPENING SHIM CLEARANCE (UNLOADED GAP)	(=)	SUBTRACT F-A=H (H) is the actual closing rocker/shim clearance		D **DUCATI SPECIFIED CLOSING SHIM CLEARANCE		SIZE (E) C+D=E: D+C=E IF (H) IS GREATER THAN (I) SUBTRACT: H-I = J	(+)	CLOSING SHIM MEASUREMENT K	TH	E SHIM IS GOOD AND DOESN'T HANGE OUT. NEW CLOSING SHIM SIZE (L)
VERTIC	EXHAUST	RIGHT OPENER	(UNLOADED GAP) A CLOSING SHIM MEASURED CLEARANCE (LOADED GAP)	(-)	OPENING SHIM CLEARANCE (UNLOADED GAP)	(=)	SUBTRACT F-A=H (H) is the actual closing rocker/shim clearance H	(+)	**DUCATI SPECIFIED CLOSING SHIM CLEARANCE	(=)	SIZE (E) C+D=E: D+C=E IF (H) IS GREATER THAN (I) SUBTRACT: H-I = J	(+)	SERVICE MANUAL, THEN REQUI CLOSING SHIM MEASUREMENT K	TH RE C	E SHIM IS GOOD AND DOESN'T HANGE OUT. NEW CLOSING SHIM SIZE (L)
VERTIC	EXHAUST	RIGHT OPENER	(UNLOADED GAP) A CLOSING SHIM MEASURED CLEARANCE (LOADED GAP)	(-)	OPENING SHIM CLEARANCE (UNLOADED GAP) A	(=) (=)	SUBTRACT F-A=H (H) is the actual closing rocker/shim clearance H	(+) (-)	**DUCATI SPECIFIED CLOSING SHIM CLEARANCE	(=)	SIZE (E) C+D=E: D+C=E IF (H) IS GREATER THAN (I) SUBTRACT: H-I = J		SERVICE MANUAL, THEN REQUI CLOSING SHIM MEASUREMENT K	=)	E SHIM IS GOOD AND DOESN'T HANGE OUT. NEW CLOSING SHIM SIZE (L)
VERTIC	EXHAUST	RIGHT OPENER	(UNLOADED GAP) A CLOSING SHIM MEASURED CLEARANCE (LOADED GAP)	(-) (-)	OPENING SHIM CLEARANCE (UNLOADED GAP) A ADDITION	(=) (=)	SUBTRACT F-A-H (H) is the actual closing rocker/shim clearance H	(+) (-)	**DUCATI SPECIFIED CLOSING SHIM CLEARANCE	(=)	SIZE (E) C+D=E: D+C=E IF (H) IS GREATER THAN (I) SUBTRACT: H-I = J		SERVICE MANUAL, THEN REQUI CLOSING SHIM MEASUREMENT K	=)	E SHIM IS GOOD AND DOESN'T HANGE OUT. NEW CLOSING SHIM SIZE (L)
	EXHAUST	RIGHT OPENER LEFT CLOSER RIGHT CLOSER	(UNLOADED GAP) A CLOSING SHIM MEASURED CLEARANCE (LOADED GAP) F	(-) (-)	OPENING SHIM CLEARANCE (UNLOADED GAP) A ADDITION	(=) (=)	SUBTRACT F-A-H (H) is the actual closing rocker/shim clearance H	(+) (-)	**DUCATI SPECIFIED CLOSING SHIM CLEARANCE	(=)	SIZE (E) C+D=E: D+C=E IF (H) IS GREATER THAN (I) SUBTRACT: H-I=J J		SERVICE MANUAL, THEN REQUI CLOSING SHIM MEASUREMENT K	=)	E SHIM IS GOOD AND DOESN'T HANGE OUT. NEW CLOSING SHIM SIZE (L)