

## Groups 090 - 098 Camshaft & Intake Manifold Control

<b>090</b>	Camshaft adjustment Intake			
	RPM	Adjustment	Adjustment Bank 1	Adjustment Bank 2
	[1/min]	Text	[°KW]	[°KW]
		ON/OFF		
<b>090</b>	Camshaft adjustment Exhaust			
	RPM	Adjustment	Adjustment Bank 1	Adjustment Bank 2
	[1/min]	Text	[°KW]	[°KW]
		ON/OFF		
<b>090</b>	Continuous camshaft adjustment Exhaust Bank 1			
	RPM	Duty cycle	Adjustment specified	Adjustment actual
	[1/min]	[%]	[°KW]	[°KW]
<b>091</b>	Camshaft adjustment Intake Bank 1			
	RPM	Last	Adjustment	Adjustment
	[1/min]	[%]	Text	[°KW]
			ON/OFF	
<b>091</b>	Continuous camshaft adjustment, Intake Bank 1			
	RPM	Duty cycle	Adjustment specified	Adjustment actual
	[1/min]	[%]	[°KW]	[°KW]
<b>092</b>	Camshaft adjustment Intake Bank 2			
	RPM	Last	Adjustment	Adjustment
	[1/min]	[%]	Text	[°KW]
			ON/OFF	
<b>092</b>	Continuous camshaft adjustment, Intake Bank 2			
	RPM	Duty cycle	Adjustment specified	Adjustment actual
	[1/min]	[%]	[°KW]	[°KW]
<b>093</b>	Camshaft adaption values Intake		2-Bank Systems	
	RPM	Last	Phase position <a href="#">[1]</a> Bank 1 <a href="#">[2]</a>	Phase position Bank 2
	[1/min]	[%]	[°KW]	[°KW]
<b>093</b>	Continuous camshaft adaption values			
	Phase position intake Bank 1	Phase position intake Bank 2	Phase position exhaust Bank 1	Phase position exhaust Bank 2
	[°KW] <a href="#">[3]</a>	[°KW]	[°KW]	[°KW]
<b>094</b>	Camshaft adjustment Banks 1 and 2 Intake, short trip			
	RPM	Camshaft adjustment	Test result Bank 1	Test result Bank 2
	[1/min]	Text: Camshaft position ON / Camshaft position OFF	Test ON/ Test OFF/ Syst. OK/ Syst. Not OK	Test ON/ Test OFF/ Syst. OK/ Syst. Not OK
<b>094</b>	Continuous camshaft adjustment Banks 1 and 2 intake, short trip			
	RPM	Phase position intake	Test result Bank 1	Test result Bank 2
	[1/min]	[°KW]	Test ON/ Test OFF/ Syst. OK/ Syst. Not OK	Test ON/ Test OFF/ Syst. OK/ Syst. Not OK
<b>095</b>	Intake manifold change-over		Single step change-over	
	Engine RPM	Last	Coolant temperature	Status
	[1/min]	[%]	[°C]	Text: ein/aus
<b>095</b>	Intake manifold change-over		Multi-step change-over	

	Engine RPM	Last	Coolant temperature	Status
	[1/min]	[%]	[°C]	Text: Off /step 1/step 2
<b>096</b>	Camshaft adjustment Banks 1 and 2 Exhaust, short trip			
	RPM	Camshaft adjustment	Test result Bank 1	Test result Bank 2
	[1/min]	Text: Camshaft position ON / Camshaft position OFF	Test ON/ Test OFF/ Syst. OK/ Syst. Not OK	Test ON/ Test OFF/ Syst. OK/ Syst. Not OK
<b>096</b>	Continuous camshaft adjustment Banks 1 and 2 Exhaust, short trip			
	RPM	Phase position exhaust	Test result Bank 1	Test result Bank 2
	[1/min]	[°KW]	Test ON/ Test OFF/ Syst. OK/ Syst. Not OK	Test ON/ Test OFF/ Syst. OK/ Syst. Not OK
<b>097</b>	Intake air change-over / Snow flap			
	RPM	Last	Temperature / Pressure	Intake air change-over
	[1/min]	[%]	[°C]/[mbar]	ON/ OFF
<b>098</b>	Continuous camshaft adjustment Exhaust Bank 2			
	RPM	Duty cycle	Adjustment specified	Adjustment actual
	[1/min]	[%]	[°KW]	[°KW]

- [1] Deviation from correct position (shift of camshaft position sensor on shaft), 0 = Position OK
- [2] The phase position is displayed only when the phase adaptation was successfully concluded
- [3] The phase position is displayed only when the phase adaptation was successfully concluded