

# Timing Angle and Firing Point, Testing and Adjusting 07.5.1

M 116, M 117

## Timing Angle

Testing and adjusting value on <b>used</b> contacts at idling speed	Modification Idling speed up to 3,000 rpm	Adjusting value with <b>new</b> contacts at idling speed
$32^{\circ} \pm 2$	max. $3^{\circ}$	$30^{\circ} \pm 1$

## Firing Point

Type	Ignition distributor with <b>retarded</b> vacuum adjustment Bosch designation	Adjusting value of firing point		Testing values					Installation value of ignition distributor at starting speed
		with vacuum 3,000 rpm	800 rpm <b>USA version</b>	Ignition timing with vacuum Idling speed	1,500 rpm	3,000 rpm	4,500 rpm	Vacuum adjusting range at idling speed	
M 116	0231 302 001	$34^{\circ}$	—	TDC $\pm 3^{\circ}$	12-20 $^{\circ}$	—	—	$10^{\circ} \pm 3$	10 $^{\circ}$ BTDC
	0231 401 001								
M 116 USA	0231 302 002	—	6 $^{\circ}$ ATDC	—	TDC $\pm 3^{\circ}$	32-36 $^{\circ}$	—	$15^{\circ} \pm 3$	10 $^{\circ}$ BTDC
M 117 USA	0231 401 003	—	5 $^{\circ}$ ATDC	—	11-15	18-22 $^{\circ}$	23-27	$12^{\circ} \pm 3$	7 $^{\circ}$ BTDC

