

At first and second maintenance jobs

All gasoline engines

Timing Data

		USA-version				
Engine		Engine	Model year 1968/69	Model year 1970/71	Model year 1972	Model year 1973/74
M	Timing at 4500 /min without vacuum	M	Timing at 4500 /min without vacuum	Timing at idling with vacuum		
100	at n = 3000/min Cyl. 1 26° BTDC Cyl. 5 62–66° ATDC ¹⁾	100	at n = 3000/min Cyl. 1 26° BTDC Cyl. 5 62–66° ATDC ¹⁾	at n = 3000 min Cyl. 1 32° BTDC Cyl. 5 56–60° ATDC ¹⁾	5° ATDC	—
110.921 110.922	28° ²⁾	110	—	—	—	4° ATDC
110.981 110.983	34°	—	—	—	—	—
114.920	37°	114.920	37°	6° ATDC	—	—
114.923 NV	40°	—	—	—	—	—
114.980 114.981 NV	30°					
115.920 115.923	43°	115.920	43°	5° ATDC	5° ATDC	10° BTDC
115.924 NV 115.926 NV	45°	—	—	—	—	—
115.951 115.951 NV	40°	115.951	—	—	—	10° BTDC
116	34°	116	—	6° ATDC	—	—
117	30° ²⁾ at n = 3000/min	117	—	—	5° ATDC	5° ATDC
130.920 130.923	35°	130.920	37°	4° ATDC	—	—
130.921 NV	37°	130.923	—	4° ATDC	4° n. O.T.	—
130.980 130.981 130.983 130.984 NV	30°	130.980	30°	8° ATDC	6° ATDC	—
180.954	37°	180	37°	—	—	—
180.955 NV	40°					

NV = Low compression

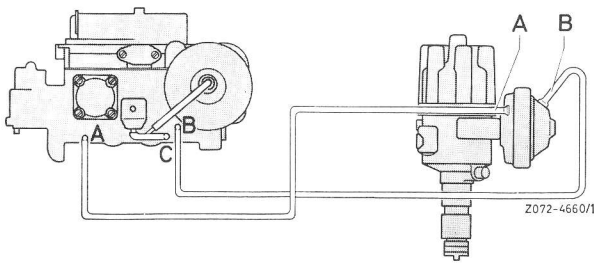
1) If the test value is not attained, adjust contact plate in ignition distributor.

2) To adjust ignition timing remove both vacuum lines.

Test equipment

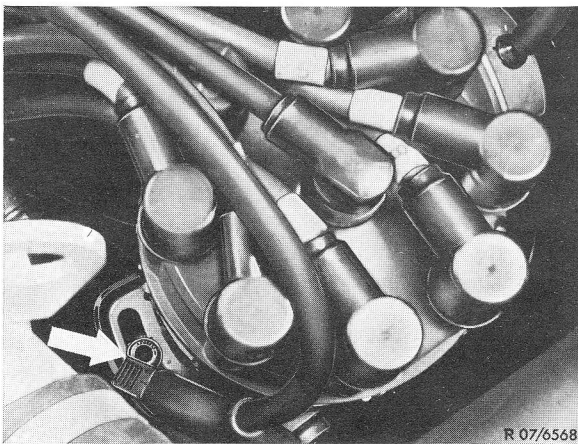
Revolution counter, stroboscope





Vacuum connections, carburetor engine M 110

- A Vacuum connection "retard" (white)
- B Vacuum connection "advance" (red)
- C Vacuum connection to vacuum governor and fuel return valve



Ignition Timing

- Connect measuring instruments. On vehicles with transistorized ignition refer to item 781.
- Switch-off air conditioner.
- Check or adjust firing point with stroboscope at specified speed with or without vacuum. On **carburetor engine M 110** remove both vacuum lines.

For adjustment, slightly loosen ignition distributor attachment (arrow) and adjust firing point by turning ignition distributor.

Clockwise	=	retard
Counterclockwise	=	advance

- For ignition distributors with 2 pairs of contact breaker points, additionally check firing point of 5th cylinder.

If the test value is not attained, adjust contact plate in ignition distributor and check timing angle once again.

- Tighten fastening screw of ignition distributor and check firing point once again.