

15-505 Replacing contact breaker points

Dwell angle (normal coil ignition)

Test and adjusting value at idle ¹⁾	Change between idle and 3000/min
47-53°	max. ± 3°

¹⁾ Do not change dwell angle with used contacts, renew contacts when attaining lower test value. When installing new contacts, set dwell angle to 53 ± 1°.

Dwell angle (transistorized ignition system)

Identification: Blue ignition coil, two pre-resistors and transistorized ignition switching unit.

Testing and adjusting value with used contacts at idle ²⁾	Change between idle and 3000/min
47-53°	max. ± 3°

²⁾ When installing new and when adjusting used contact breaker points, set dwell angle to 47 ± 1°.

Conventional tools

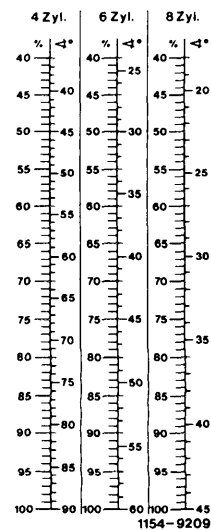
Dwell angle meter, revolution counter

Digital tester e.g. made by Bosch, MOT 001.03

Conversion of dwell angle values from % into °

$$\% = \frac{^{\circ} \times \text{cylinders} \times 100}{360}$$

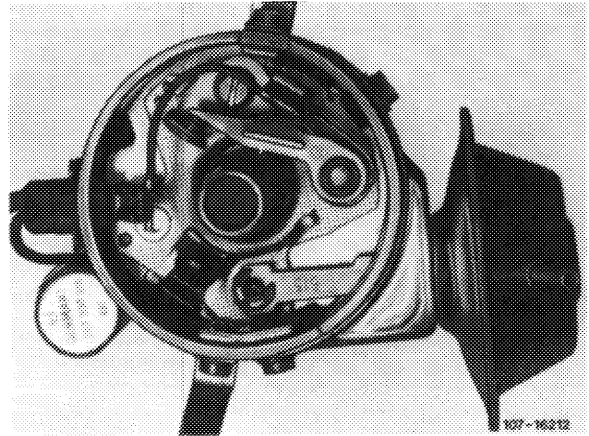
$$^{\circ} = \frac{\% \times 360}{100 \times \text{cylinders}}$$



Installation

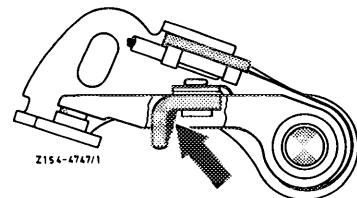
When renewing contact breaker points, proceed as follows:

1 Rub contacts prior to installation with a lintfree cloth to remove moisture or grease.



2 Coat slide piece of contact breaker, its bearing point and the cams of the distributor shaft with some Bosch special grease Ft 1 v 4.

3 In closed condition, the contacts should be in parallel and at uniform height in relation to each other.



Arrow: Spot to be greased

4 Check dwell angle and firing point and adjust, if required (15–500).