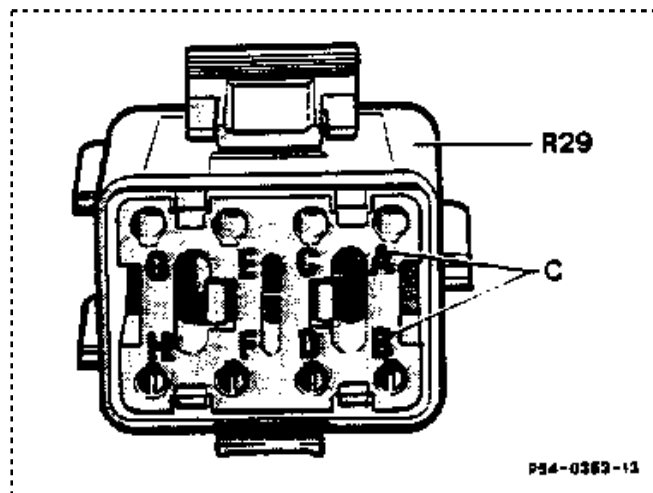
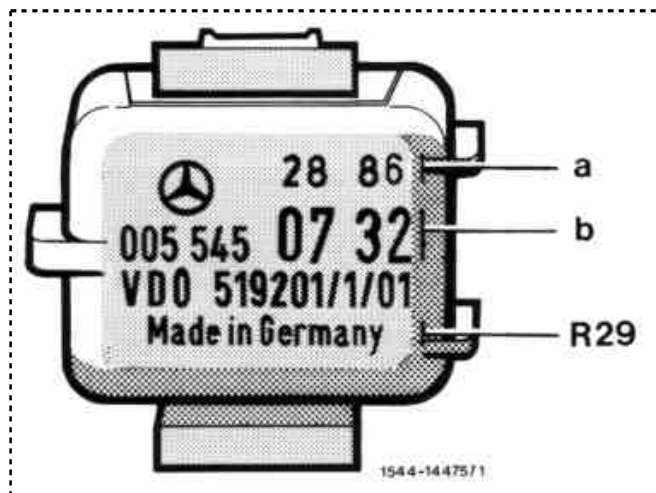


Job No. of the job texts and work units and standard texts
and flat rates



Tempomat/cruise control (TPM) reference resistor (R29)

Ohmmeter
Resistance values

remove, install (30-566). Production date (a). Part no. (b), jack designation (c). For several reference resistors there is no jack designation A-G. These reference resistors must be tested as shown on figure at the right. connect (refer to table). check (refer to table), replace Tempomat/cruise control reference resistor (R29) if values deviate.

Test table - resistance values

| Part no. | Connection ohmmeter to jack designation | | | | | | |
|---------------|---|-----------|-----------|----------|--------------|----------|----------|
| | E-G kΩ | E-F kΩ | E-B kΩ | E-D Ω | D-H | D-C Ω | A-D Ω |
| 005 545 07 32 | 501-521 | 26.2-27.2 | 1470-1530 | ∞ | 3.21-3.27 kΩ | <10 | ∞ |
| 005 545 08 32 | 501-521 | 26.2-27.2 | 1470-1530 | ∞ | 1.98-2.02 kΩ | <10 | ∞ |
| 005 545 09 32 | 684-712 | 39.4-41 | 1190-1230 | ∞ | 6.52-6.78 kΩ | <10 | ∞ |
| 005 545 10 32 | 684-712 | 39.4-41 | 1190-1230 | ∞ | 8.28-8.62 kΩ | <10 | ∞ |
| 005 545 11 32 | 667-695 | 52.4-55.2 | 1960-2040 | ∞ | 2.88-3 kΩ | ∞ | <10 |
| 005 545 42 32 | 98-102 | 19.6-20.4 | 592-616 | ∞ | 3.18-3.30 kΩ | ∞ | <10 |
| 005 545 43 32 | 166-172 | 13-13.6 | 490-510 | ∞ | 1.37-1.43 kΩ | ∞ | <10 |
| 005 545 44 32 | 667-695 | 48.9-50.9 | 1590-1650 | ∞ | 1.71-1.78 kΩ | ∞ | <10 |

| | | | | | | | |
|---------------|-----------|-----------|-----------|---|----------------|-----|-----|
| 005 545 46 32 | 1660-1720 | 39.4-41 | 1470-1530 | ∞ | <10 Ω | ∞ | <10 |
| 006 545 25 32 | 980-1020 | 39.4-41 | 1470-1530 | ∞ | 1.98-2.02 kΩ | <10 | ∞ |
| 006 545 26 32 | 1470-1530 | 98-102 | 3570-3720 | ∞ | 325.4-338.6 Ω | ∞ | <10 |
| 006 545 61 32 | 980-1020 | 98-102 | 2940-3060 | ∞ | 3.92-4.08 kΩ | ∞ | <10 |
| 007 545 06 32 | 1080-1120 | 39.4-41 | 1190-1230 | ∞ | 1.92-2 Ω | ∞ | ∞ |
| 007 545 12 32 | 684-712 | 39.4-41 | 1190-1230 | ∞ | 1.92-2 kΩ | ∞ | ∞ |
| 007 545 13 32 | 501-521 | 35.8-37.2 | 1470-1530 | ∞ | 2.62-2.72 kΩ | ∞ | ∞ |
| 007 545 39 32 | 465-485 | 39.4-41 | 1190-1230 | ∞ | 1.92-2 kΩ | ∞ | ∞ |
| 007 545 40 32 | 1210-1270 | 98-102 | 2950-3070 | ∞ | 1.3-1.36 kΩ | ∞ | <10 |
| 007 545 50 32 | 684-712 | 39.4-41 | 1470-1530 | ∞ | 6.84-7.12 kΩ | <10 | ∞ |
| 007 545 51 32 | 684-712 | 39.4-41 | 1470-1530 | ∞ | 8.91-9.27 kΩ | ∞ | ∞ |
| 007 545 53 32 | 606-632 | 25.6-26.6 | 0.98-1.02 | ∞ | 3.93-4.09 kΩ | ∞ | ∞ |
| 007 545 54 32 | 980-1032 | 48.9-50.9 | 1960-2040 | ∞ | <10 Ω | ∞ | <10 |
| 007 545 55 32 | 501-521 | 35.8-37.2 | 1470-1530 | ∞ | 3.41-3.55 kΩ | ∞ | <10 |
| 007 545 56 32 | 489-509 | 65.2-67.8 | 2380-2480 | ∞ | 3.41-3.55 kΩ | ∞ | <10 |
| 545 007 76 32 | 607-631 | 39.4-41 | 1190-1230 | ∞ | 2.17-2.25 kΩ | <10 | <10 |
| 009 545 15 32 | 684-712 | 39.4-41 | 1190-1230 | ∞ | 7.35-7.65 kΩ | ∞ | ∞ |
| 010 545 29 32 | 684-712 | 39.4-41 | 1190-1230 | ∞ | 934-937 Ω | ∞ | ∞ |
| 010 545 30 32 | 980-1020 | 25.6-26.5 | 1190-1230 | ∞ | 3.94-4.1 kΩ | <10 | <10 |
| 012 545 87 32 | 2380-2480 | 62.1-64.7 | 2500-2600 | ∞ | 84.87-88.33 kΩ | <10 | <10 |

} These values cannot be measured with SUN DMM-5.

Test table - resistance values

| Part no. | Connection - ohmmeter to jack designation | | | | | | |
|---------------|---|-----------|-----------|----------|----------------|----------|----------|
| | E-G kΩ | E-F kΩ | E-B kΩ | E-D Ω | D-H | D-C Ω | A-D Ω |
| 014 545 30 32 | 1705-1775 | 39.4-41 | 1509-1571 | ∞ | 84.86-88.34 kΩ | ∞ | <10 |
| 014 545 80 32 | 2274-2366 | 52.9-61.6 | 2813-2927 | ∞ | 2.38-2.47 kΩ | ∞ | ∞ |
| 014 545 82 32 | 772-802 | 24.5-25.3 | 980-1020 | ∞ | 2.17-2.25 kΩ | ∞ | <10 |
| 014 545 84 32 | 637-661 | 31.8-33 | 1402-1458 | ∞ | 1.51-1.57 kΩ | ∞ | <10 |

} These values cannot be measured with SUN DMM-5.

Commercially available tools or testers, MB testers (refer to equipment manual)

Designation

e.g. Company, order no.

Multimeter

Fluke 23-DB, 83, 88
ITT Metrix MX 47, 50, 51, 52
SUN DMM-5
