

GSC2118Q – Retronics 43/45D Condenser

High-Tech Condensers for your Classic

The traditional condenser design which uses electrolytic capacitors is outdated, inefficient and often made from poor quality materials offering poor conductance, the assembly is prone to expansion from temperature changes and susceptible to vibration giving rise to inconsistent suppression with a short service life, sometimes lasting less than a thousand miles. MGOC Spares felt this was simply not good enough for your cherished classic vehicle and so commissioned Retronics to design a high-quality, long-lasting condenser manufactured from premium materials and benefiting from modern electronic design technology. Developed exclusively for MGOC Spares, High-tech condensers from Retronics are designed and assembled in the UK using best quality components. Featuring premium grade metallised film capacitors, specifically designed for pulse applications to suppress the spark from the points faster and with greater consistency and reliability than the original Lucas design. High-Tech Retronics Condensers feature all copper connections and high strand copper wire sheathed in silicone for vibration dampening, each unit is hand soldered, to provide excellent, long-term conductivity.

Key Features:

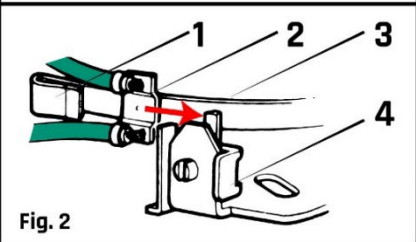
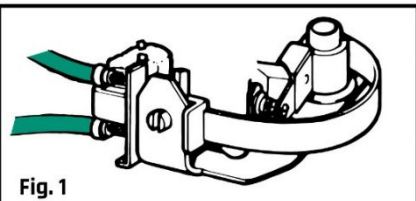
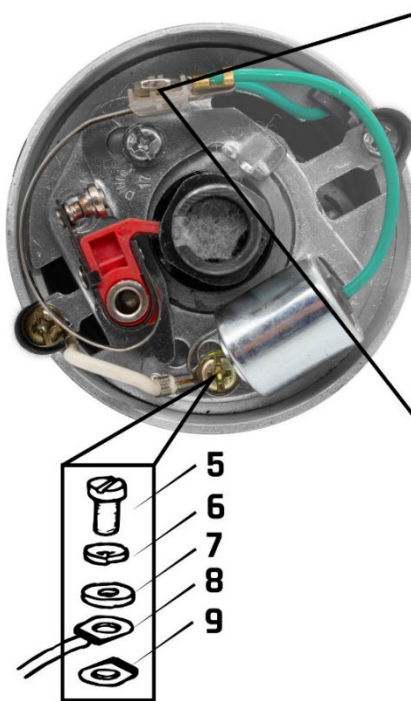
- UK design & manufacture, each condenser is hand made using best quality, high specification components.
- High Quality Modern Technology Capacitor, specifically designed for pulse applications and made by a specialist company. Each capacitor is housed in a self-extinguishing resin casing.
- Correct Capacitor Value is vital! Too low & your points will quickly pit, too high & you will lose spark at the plug.
- Capacitor Type, when suppressing a spark, the energy needs to be moved away very quickly. A Retronics Condenser is able to move energy away quicker than a traditional electrolytic capacitor.
- Connections
 - use copper for connections & high strand count copper wire sheathed in heat proof silicone for superior conductivity & vibration damping.
 - beryllium copper crinkle washer is supplied (to replace the original split washer) to provide maximum conductivity whilst still providing anti-back-out function.
 - All connections are hand soldered, giving excellent conduction over the capacitor's entire life.
 - Replacement condenser screw supplied to original specification.

Offered under the following part numbers:

- GSC2111Q/R25 suitable for Lucas 25D, 23D, 22D & DM6 distributors
- GSC2118Q/R45 suitable for Lucas 45D, 43D & 59D distributors

Installation Advisory

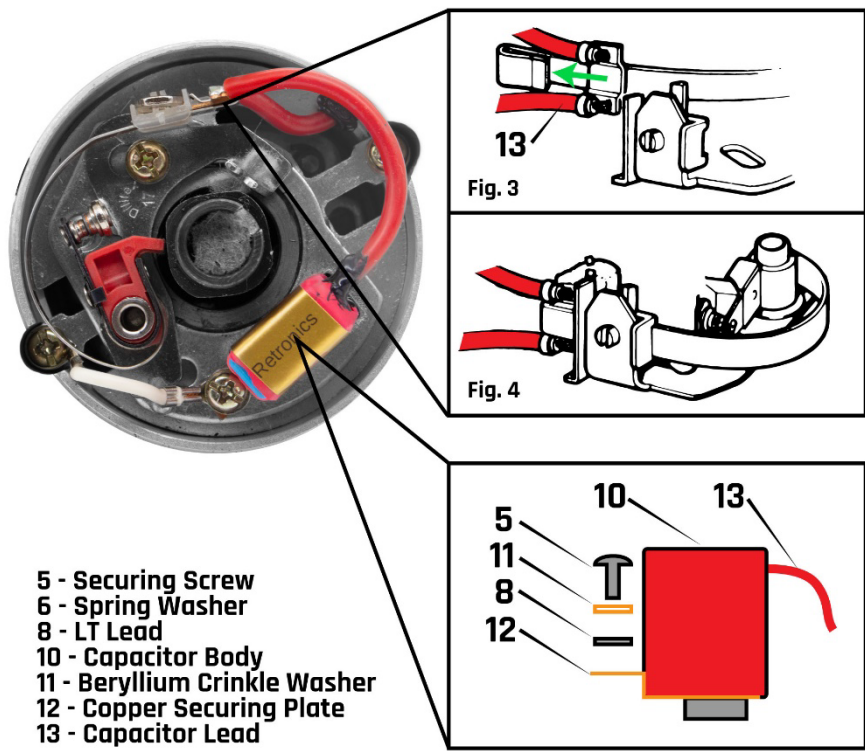
NB. Installation images refer to fitment on 45D type distributor body.



- 1 - Arm Spring
- 2 - Capacitor Contact
- 3 - Lead Terminal Plate
- 4 - Insulating Block
- 5 - Securing Screw
- 6 - Spring Washer
- 7 - Washer
- 8 - LT Lead
- 9 - Capacitor Securing Plate

Disassembly

1. Carefully move Lead Terminal Plate (3) away from Insulating Block (4).
2. Remove Capacitor Contact (2) from Arm Spring (1) as displayed in Fig. 2.
3. Remove securing screw (5), Spring Washer (6), Washer (7) and LT lead (8) to release capacitor body.
4. Remove capacitor.
5. Discard Spring Washer (6) & Washer (7).



Re-assembly

6. Slide capacitor contact securely onto Arm Spring (1) as displayed in Fig. 3.
7. Return Lead Terminal Plate (3) to correct position on Insulating Block (4). Fig. 4 displays correctly installed terminal.
8. Mount Capacitor Body (10) in order from bottom up:
 - Copper Securing Plate (12)
 - LT Lead (8)
 - Beryllium Crinkle Washer (11)
 - Securing Screw (5)

NB. It is essential that the base of the distributor be clean and free from contaminants (oil/grease) prior to installation of the condenser to ensure a good earth and avoid build-up of resistance which can adversely affect performance and shorten the life of the supplied condenser. We recommend the contact area between the condenser and the mounting plate around the screw be sanded with fine wet & dry paper prior to installation. Please use the supplied replacement condenser screw (item 5) to achieve secure location of the condenser to the distributor mounting plate.

If you require further installation advice please contact sales@mgocspares.co.uk

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43/45D Condenser Installation Advisory - Created by: MH – 02/24



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