

RCPE Condenser Installation Instructions

Part Number : G475



Engineered for superior reliability and precision, the RCPE Condenser delivers faster, more consistent spark suppression, making it ideal for both competition and everyday road use. Its externally mounted installation protects the RCPE Condenser from being subjected to higher distributor temperatures associated with competition motorsports and further serves as a universal upgrade for any vehicle with conventional contact breaker points, whether the original condenser was internally or externally mounted (Bosch & Ducellier type).

Unlike traditional condensers, which are prone to temperature-related expansion, vibration damage, and inconsistent suppression, Retronics condensers are built for durability and long-term stability. Manufactured in the UK, they incorporate premium-grade metallised film capacitors specifically designed for pulse applications, ensuring exceptional reliability and an extended service life. High-strand-count copper wire, sheathed in flameproof silicone, enhances vibration damping and flexibility. The capacitor is housed in flameproof resin for added protection, while all connections are hand-soldered to maximise conductivity. Encased in a rugged, 3D-printed ASA housing, the RCPE offers outstanding durability and heat resistance up to 100°C, setting a new benchmark in performance and longevity.

Check out www.mgocspares.co.uk for the full range of Retronics Condensers - engineered to outperform & outlast anything else on the market. Why take the risk? Upgrade your spark today!

Compatibility

The RCPE is designed for use with any conventional distributor ignition system that relies on contact breaker points for timing and includes a condenser (either internally or externally mounted) to suppress the wasted spark.

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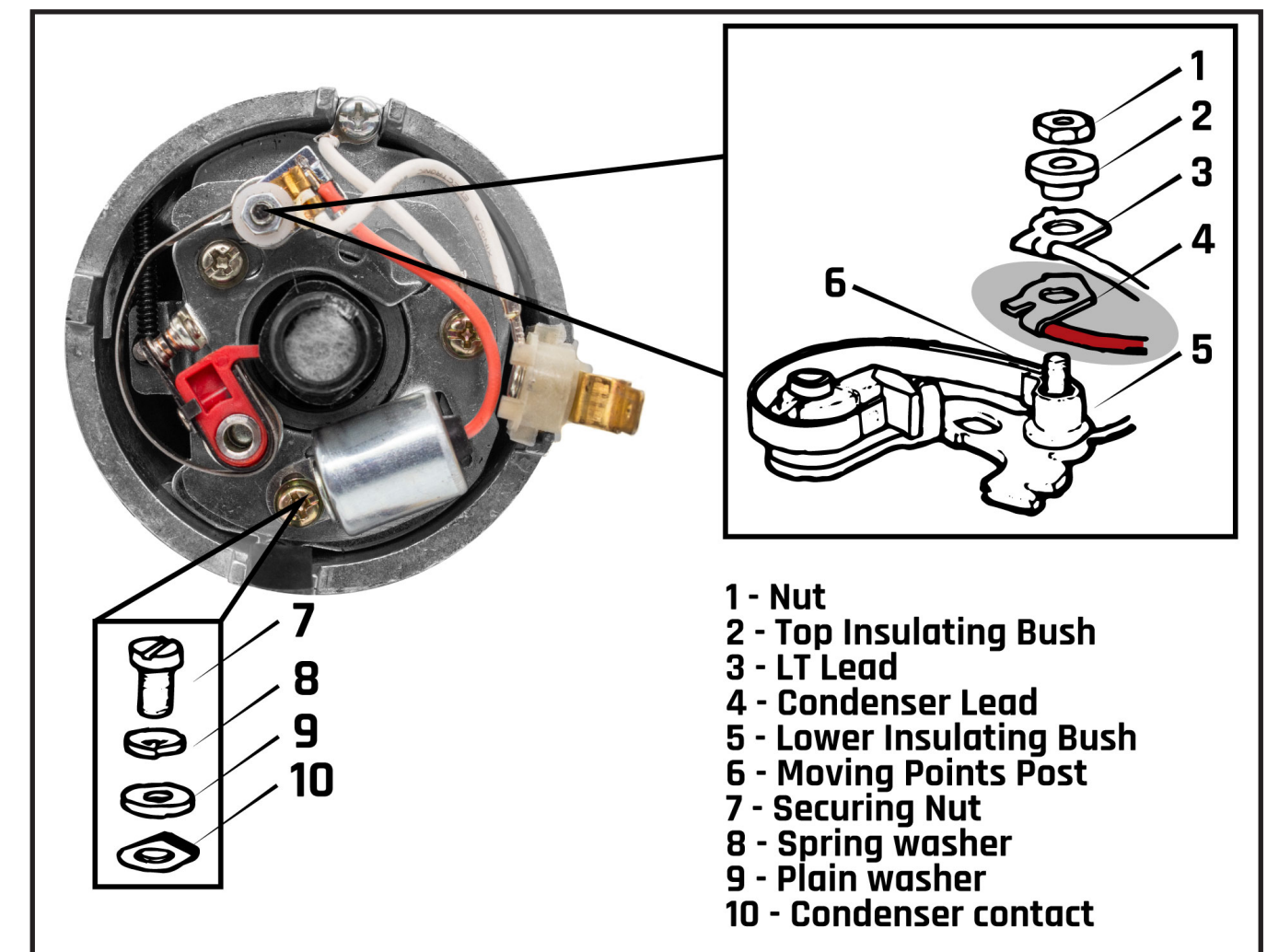
Installation Steps

1. Remove the Original Condenser

- To ensure proper function, the original condenser must be removed before installing the RCPE.
- If the existing condenser is hard-wired to the low-tension (LT) lead—such as in 43D, 45D, and 59D distributors—you will need to cut the feed to the condenser while leaving the LT lead intact. See **Fig.2**
- CAUTION: Before cutting, carefully identify the condenser lead to avoid damaging other wiring.

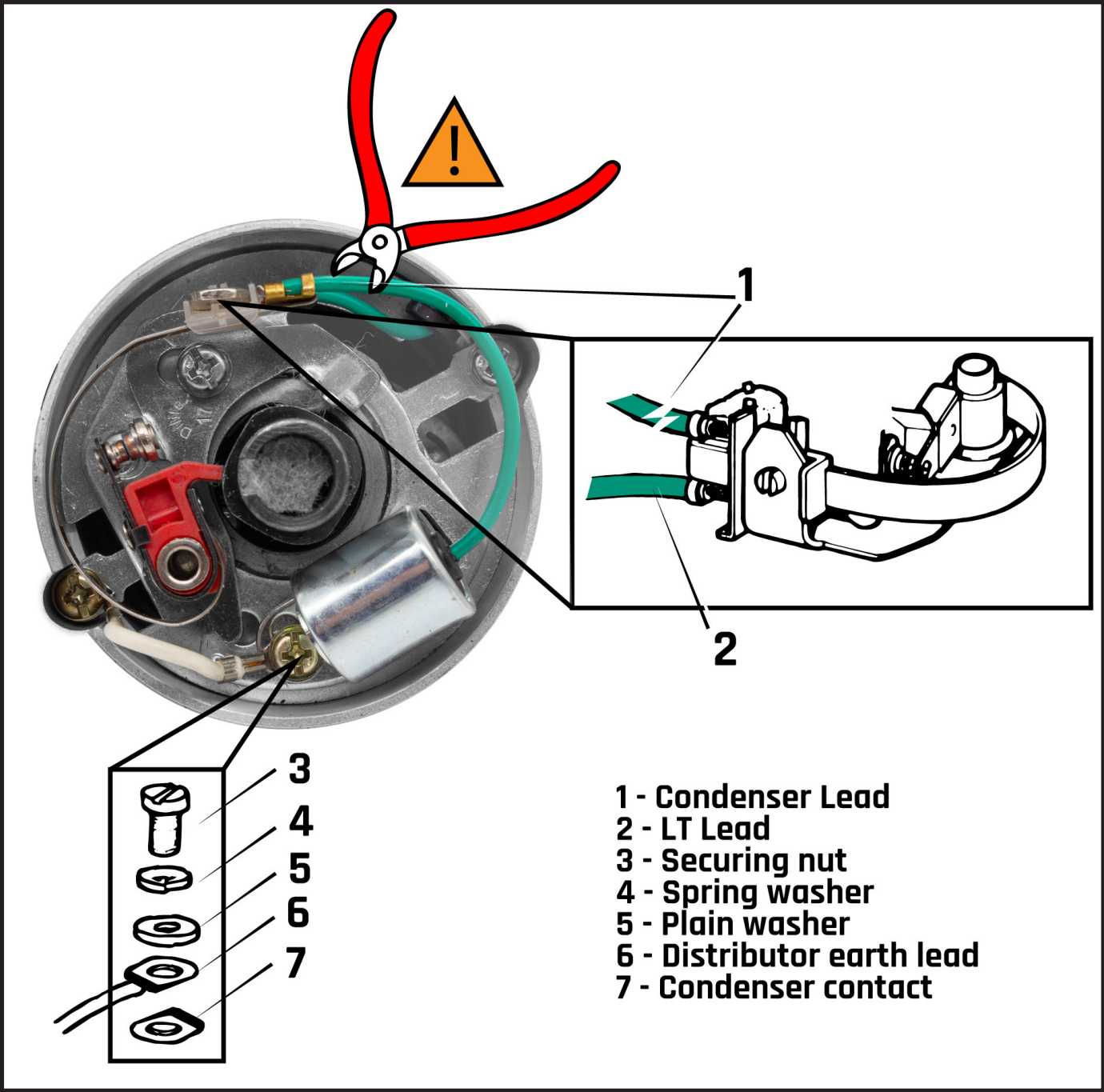
Fig. 1 displays distributor arrangement as seen on 23D / 25D type distributors.

Remove the existing condenser and return remaining distributor components to their original positions.



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Fig. 2 displays distributor arrangement as seen on 43D / 45D / 59D type distributors.
CAUTION : Be sure to cut the lead to existing condenser only. The LT lead should be left in-tact
Remove the existing condenser and return remaining distributor components to their original positions.

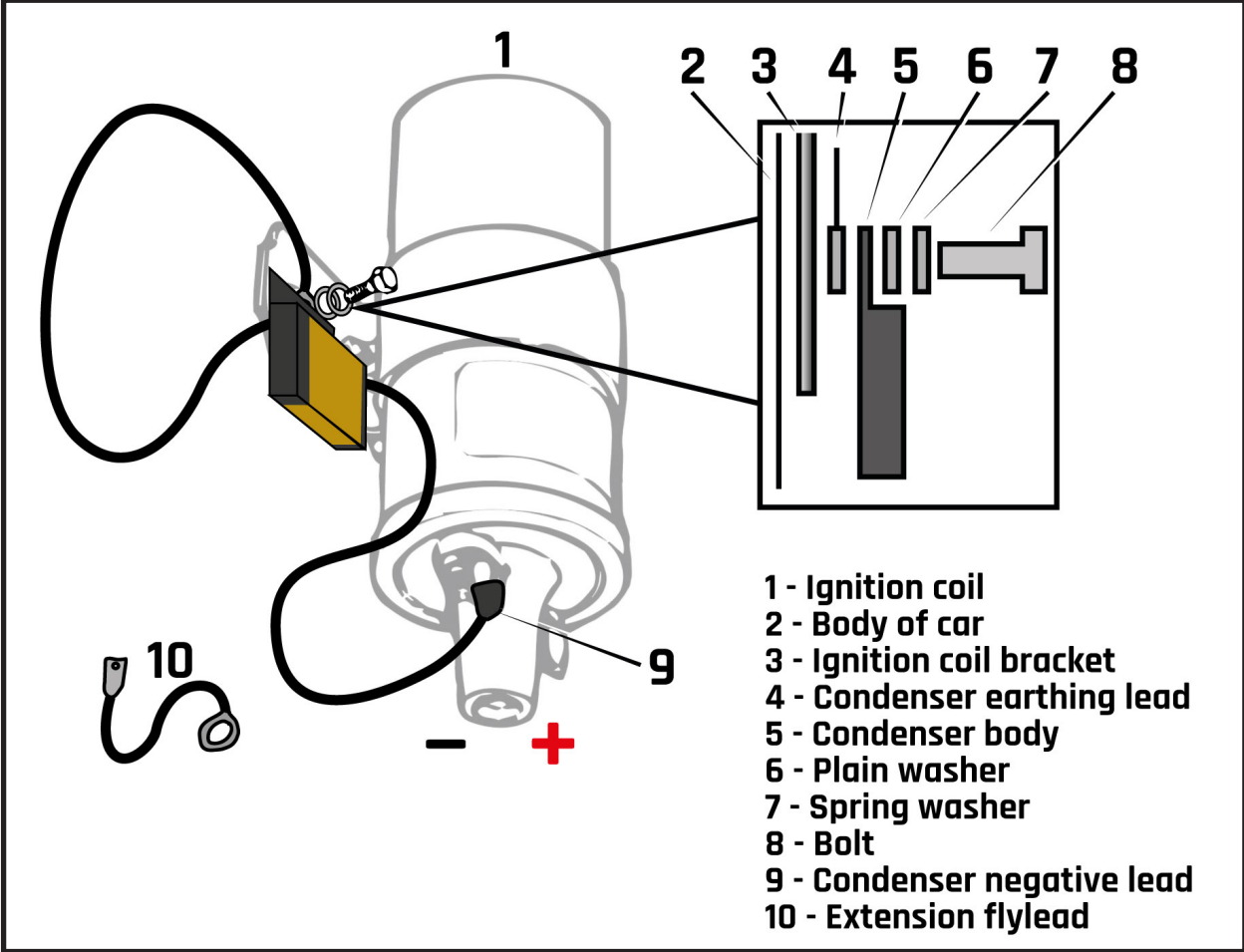


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2. Ensure Proper Earthing

- For the RCPE condenser to operate effectively, it must be earthed to the vehicle body.
- The recommended method is to attach the RCPE via the eyelet to the coil bracket. As per **Fig. 3**
- Ensure the earthing point is clean, degreased, and free of paint using wet & dry paper as required to ensure a strong electrical connection.

Fig. 3 displays RCPE condenser mounting position
*Orientation of ignition coil as seen on MGB.



3. Connect to the Ignition System

- The RCPE should be connected to the Negative (-) or CB terminal of the ignition coil. See **Fig. 3**
- If there is no spare terminal available, use the supplied extension fly-lead (10) with an eyelet termination for post installation.

Following these steps will ensure correct installation and reliable operation of your RCPE condenser.

NB No warranty is given on parts that are installed on vehicles used in competition, this includes race, rally or track events; the buyer assumes all responsibility that supplied components are fit for use.