

## Overnight Solutions LLC

### **NOTICE: If you are not absolutely certain that you can perform these operations SAFELY, consult a professional mechanic**

**The following instructions are for the installation of Trandenser II ignition system on Kohler K-series engines or Onan engines equipped with battery ignition systems. It may be employed on any 12V system.**

**Function** – The Trandenser II is a miniaturized, solid-state ignition system that replaces the existing condenser. Using state-of-the-art IGBT technology, it allows all the benefits of transistorized electronic ignition with unparalleled ease of installation and unobtrusive appearance.

**Please note** – The Trandenser II is constructed of the highest available quality of solid-state components. It is over-designed for high reliability and durability in service. However, **it can be ruined in an instant** if wiring is incorrectly attached during installation! It is important that these directions are followed explicitly.

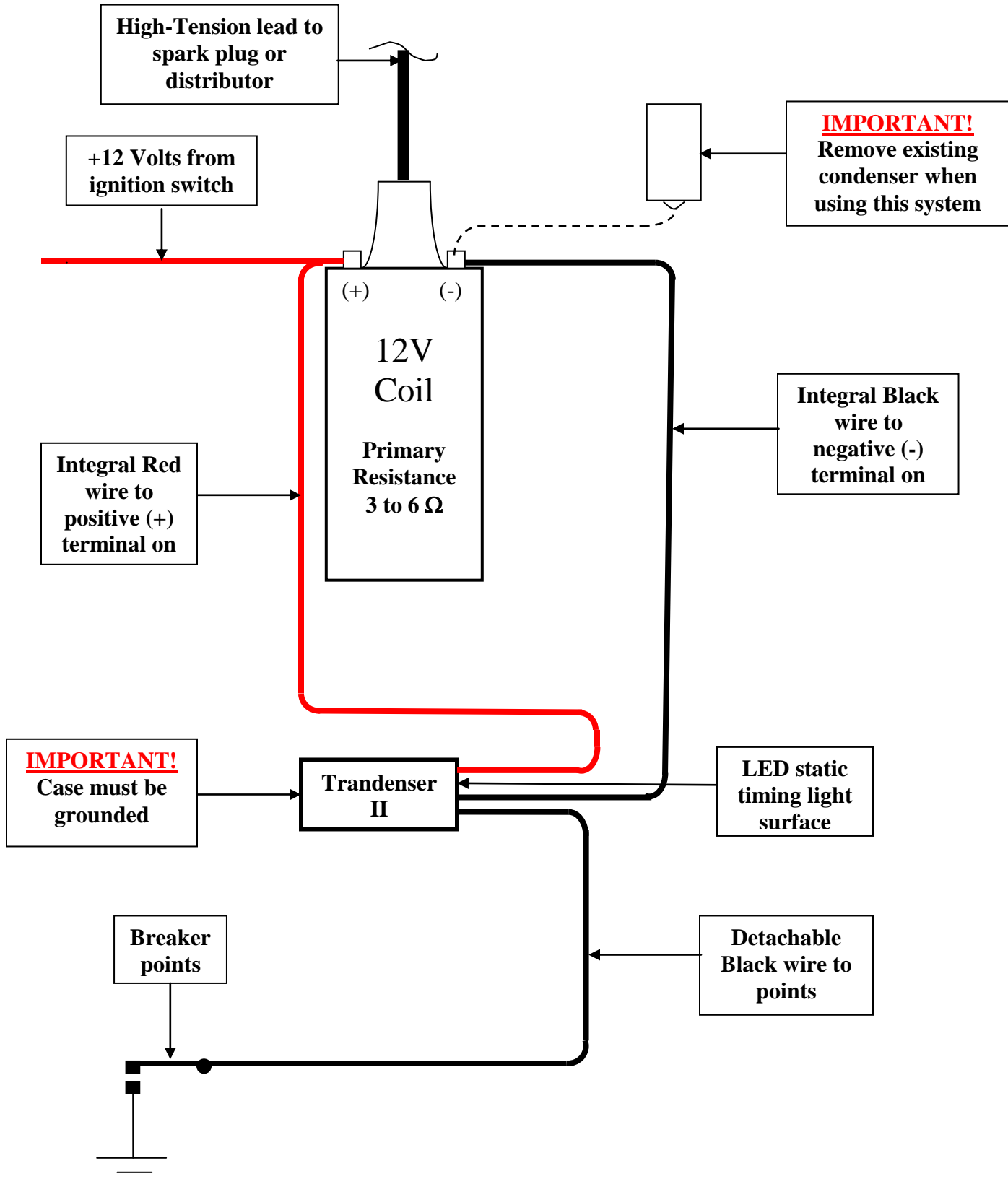
Refer to the wiring diagram on reverse and follow these step-by-step instructions.

- 1) Disconnect the negative lead of the battery.
- 2) Be certain that the breaker points are in serviceable condition. It is highly recommended that new breaker points and spark plug be installed for optimal performance. Use the standard Kohler or Onan settings for spark plug and point gap. New points sets are sometimes preserved with light oil. Clean thoroughly with contact cleaner or lacquer thinner before installing.
- 3) Disconnect the existing condenser from the negative (-) coil terminal. Loosen clamp mounting bolt and slip condenser out of retaining clamp. Be certain that the interior surfaces of the retaining clamp are clean and free of corrosion. Fit the Trandenser II into existing retaining condenser clamp with wires oriented in the proper direction. Tighten mounting bolt and check for secure fit as this forms the critical ground connection. Operation with a poor/non-existing ground will **DESTROY** this device when power is applied!
- 4) Disconnect the existing breaker point lead wire from both the negative (-) terminal of the coil and at the breaker point terminal screw. Remove this wire. Attach the detachable black wire supplied with the Trandenser II to the breaker points using the supplied ring terminal. Route the wire and connect to the spade terminal on the Trandenser II.
- 5) **Note** – Trandenser II is designed to operate with the stock engine ignition coil. If the coil is a replacement, check resistance across the positive (+) and negative (-) terminals. Resistance should be between 3 and 6 ohms. **The use of aftermarket coils with resistance values lower than 3 ohms is not approved and will cause failure of this device!**
- 6) Connect the RED integral lead wire ring terminal of Trandenser II to the positive (+) terminal of the coil.
- 7) Connect the BLACK integral lead wire ring terminal of Trandenser II to the negative (-) terminal of the coil.
- 8) Connect the negative lead of the battery.
- 9) Start the engine and verify normal operation.

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# Trandenser II Wiring Diagram



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