

# Kohler Hall-Effect Trigger (KHET) Installation Instructions

**NOTICE:** If you are not absolutely certain that you can perform these operations **SAFELY**, consult a professional mechanic. Read these instructions in their entirety before beginning the installation – Printable Instructions can be found online

These instructions are written with an understanding you have already installed a Transdenser II. If that is not the case, contact your point of purchase for this product to buy one.



**Remove OEM breaker-points from breaker-point bracket & install the KHET switch module**



**Install the sub-assembly on the engine using the supplied socket-head fasteners & internal star washers**



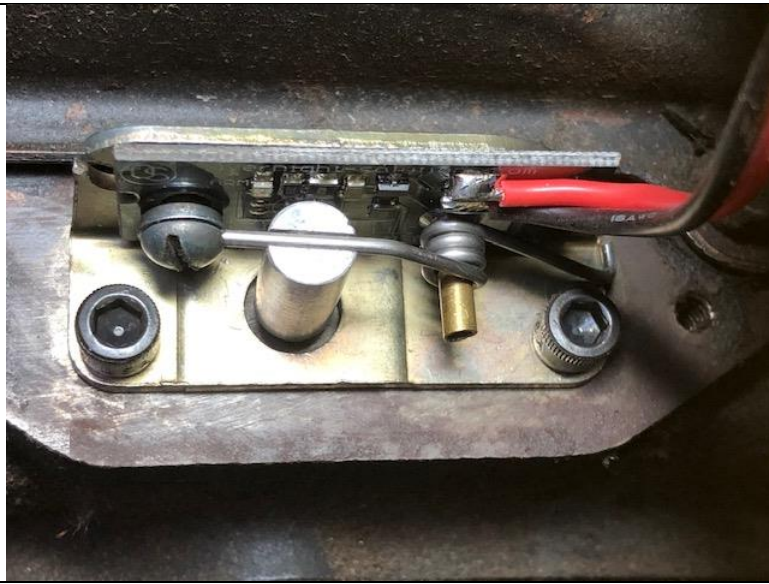
**Install the magnetic head on to the OEM push-rod as shown above**



**Install the magnetic head assembly in place; Note that the magnets MUST face the KHET PCB**

## Overnight Solutions LLC

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Slide the torsion spring over the pivot-shaft; Deflect as required to clear the socket-head and mate with the slot



KHET is terminated with a #10 ring terminal for 12V and the 3/16" female mates with the Transdenser II

### What electrical connections to be made?

Once the module is installed as shown (Left), route the two leads shown (Right) to the coil/Transdenser II location  
 Connect the #10 ring terminal to the POS/12V coil terminal; this supplies the 12V required to operate the KHET  
 Connect the female QC to the Transdenser II. This provides the switching action for the Transdenser II to function

### How do I know what state the switch is in compared to breaker-points?

First it is important to understand the Transdenser II & KHET LED indicators. The Blue LED on the Transdenser II lights when the coil is collapsed, or not "Armed". In other words, the breaker-points would be open. Conversely, When the Red LED on the KHET is on, the coil is energized, or "Armed", as if the breaker-points were closed.

### How do I set the timing with the KHET and Transdenser II combination?

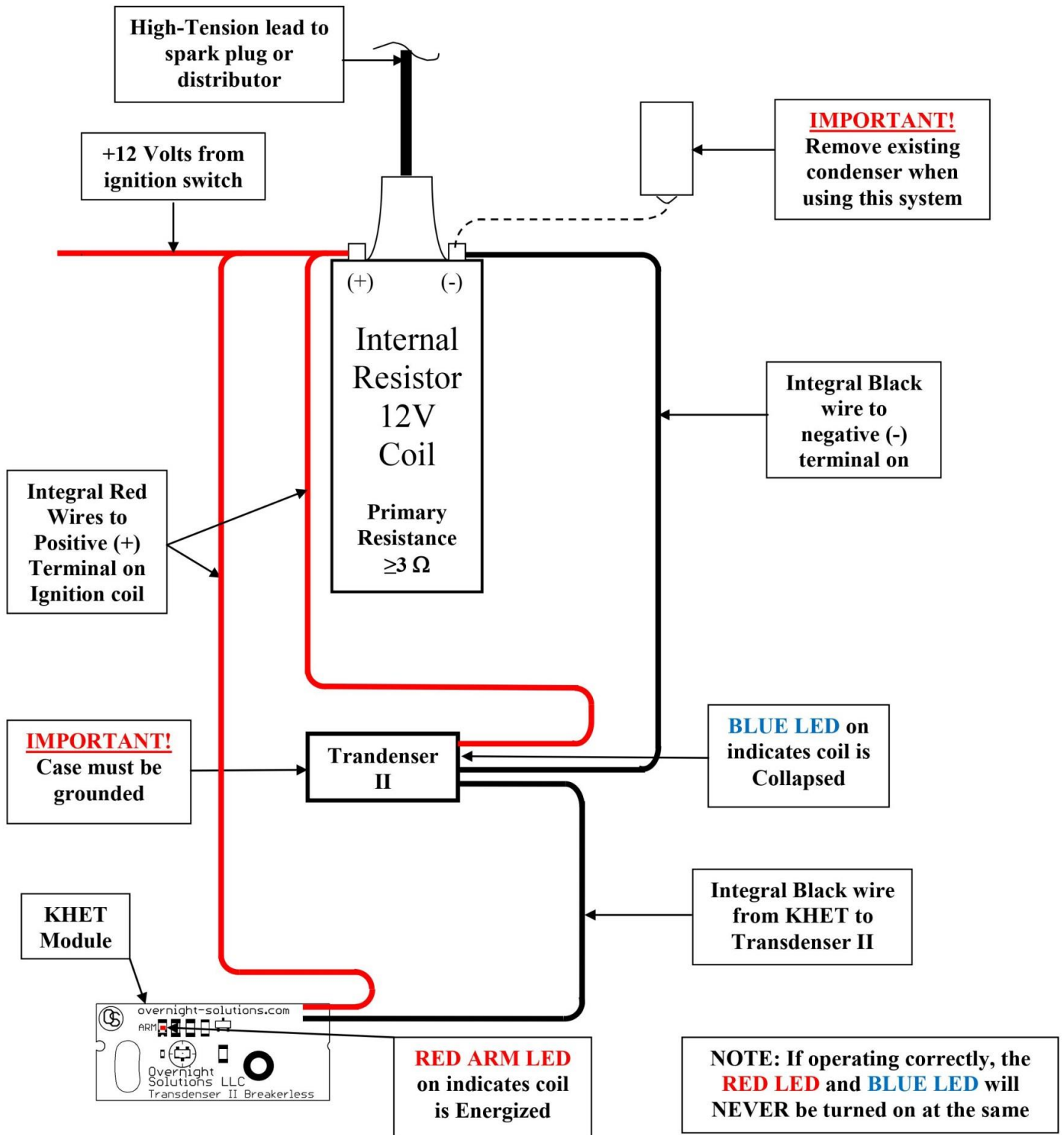
- Position a connected spark plug to the engine block void of any flammable materials, gasoline and the like
- Position the flywheel on the timing mark as prescribed by Kohler – be sure it is on the compression stroke
- With the key turned on & adjustment screw loose, move the KHET module in and out and witness the result
- Move the KHET inward until the Red LED turns on. Slowly move it out until the grounded plug fires and LED off
- Turn the ignition switch off; tighten the adjustment screw using great care not to slip and cause damage
- With the key turned on, move the flywheel to and fro relative to the timing mark to validate accurate timing
- If you are unhappy with the accuracy of your timing, repeat these steps as necessary – timing is crucial to power
- Once correct, reinstall the break-point cover and gasket, positioning integral grommet in cover to shield wires
- Finish assembling the balance of the engine including all factory safety provisions
- Start engine to confirm normal operation and performance

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# KHET and Trandenser II Wiring Diagram



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