

Standard Motor Club Pre 1948 Distributor – Electronic Negative Earth Version

Introduction

This Electronic Distributor Kit is based on one supplied by Accuspark, a leading UK supplier of Electronic Ignition Systems. This non-vacuum Distributor is modified by the Club to fit a range of our cars. Please note that the Distributor, if supplied directly by Accuspark, does not carry the Clubs' modifications so **can not** be used. You must use the version supplied by the SMC. Be aware that no liability will be accepted for the use of any other, non club supplied Distributor. There is No liability for parts fitted not according to these instructions.

This Distributor is only for vehicles that are wired for **Negative Earth**. **It suits cars that had the following Distributors as Original Equipment: DJH4A, DK4A and DKY4A,**

Preparation

Please read these instructions to the end. If using Soldered Connectors, You will need an electric miniature soldering iron and flux cored solder to complete the work. Alternatively the "crush" connectors supplied will need a suitable tool

Please ensure you have the skills required to complete the tasks below. IF you are unfamiliar with vehicle electrical systems you may wish to employ an Auto Electrician.

VERY IMPORTANT NOTE:

Unlike points based distributors, Electronic modules are polarity sensitive. Do not assume that, just because it is working, that your car is presently wired correctly. Many cars may have their coil connected in reverse **and if you persist with this, the wrong polarity will destroy the electronics.**

Your car may have had its polarity changed in the past, and you may not be aware of this, – you must take extreme care to ensure the polarity is correct before proceeding

Before you start, you must ensure that the live feed from the ignition is connected to the **POSITIVE (CB) terminal of the coil. Failure to do this will void the warranty and require you to purchase a new electronic module. There can be no relaxation of this strict rule, you will not be covered by the warranty!**

To prepare the wiring on your New Distributor

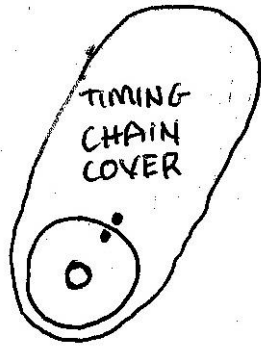
Study the wiring diagram. There is a long red wire and a shorter terminated black wire, with a terminated extension wire. Lay in the new Distributor and judge if these wires need extending or shortening for your application

1. It may be necessary to shorten the wires, and then use the new loop connectors, supplied
2. It may be necessary to extend the wires and use the two new loop connectors, supplied

How to fit the Distributor DK4A and DKY4A, only (for fitting DJH4A type see instruction 28)

OLD DISTRIBUTOR

3. Disconnect the battery
4. Set the old Dist. to TDC on the firing stroke on No.1 cylinder, which is the cylinder nearest the Windscreen
5. To find TDC remove the bolt in the head above No. 1 cylinder and use a long rod or thin screwdriver
6. Ensure the Distributor is on the firing stroke by removing the Distributor Capp and ensuring that the points are just breaking and the rotor arm is opposite the Number 1 HT terminal
7. Clean the crank pulley and a section of the timing cover and make 2 marks opposite each other as shown

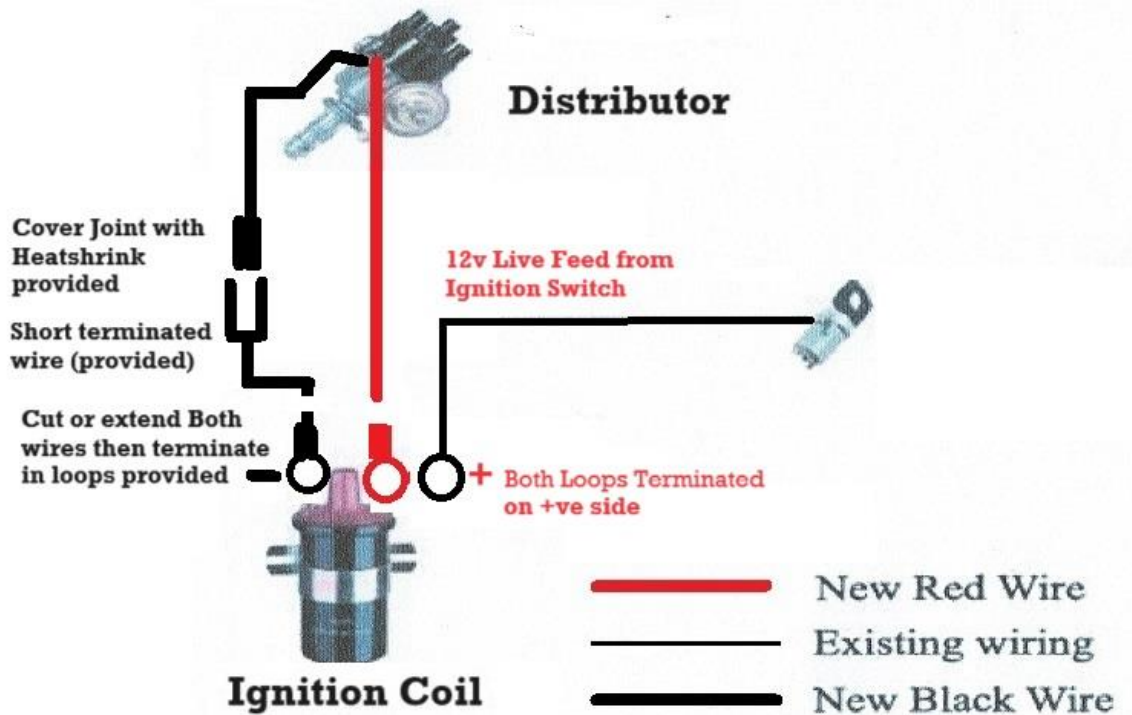


8. This can be used later for timing with a strobe timing light, if you have one
9. Remove old Distributor and Housing by undoing the 2 nuts
10. To remove Dist. from housing undo the small locking nut and withdraw the small safety bolt from the housing. Withdraw the Dist.
11. Mark the offset drive so that you can refit it later in the same orientation
12. Drive out the roll-pin and remove original long drive shaft

NEW DISTRIBUTOR

13. Carefully mark drive on the new Dist. and note offset. Remove Rollpin and the drive
14. Offer up the original drive onto new shaft without a rollpin
15. Use a "Dummy" rollpin such as a small drill shaft, and check clearance on underside of body. If there are shims fitted, remove one thin shim and replace with washer supplied.
16. The objective is to remove any and all up and down movement of the distributor drive. When acceptable, fit original long drive and the rollpin ensuring that the offset is in the same position.
17. NOTE: If you wish to use the new rollpin, you will need to open out the hole in the original long drive
18. Fit new Dist. to the housing using the original clamp, small safety bolt and locking nut. Screw in the safety bolt fully then back off a fraction so the distributor turns freely but **can not jump out of the retaining groove**. **Beware, if this is not done correctly the shaft can rise and disengage the oil pump drive. RESULT – NO OIL PRESSURE** Lock off the nut
19. Refit the Dist. and its housing onto the studs and replace the nuts, making sure the Dist. is sitting flat on the head.
20. Turn the Dist. until the Rotor aligns with the mark on the base of the Dist. body
21. Lock the Dist. Clamp to prevent the Dist. from turning
22. Change-over HT leads to new cap. Refit new cap and set firing order to 1,3,4, 2 anticlockwise.
23. NOTE: If using a new Top Entry Cap, fit 5 new HT ends, (supplied in the kit) to the-HT leads
24. Use this wiring diagram, and follow the wiring instructions below

Negative Earth Wiring



25. Remove the nut on the Positive (+) side of the Coil, add the red wire from the distributor to the existing wire from the +12v ignition (**ENSURE THIS WIRE IS ON THE POSITIVE (CB) TERMINAL**) and tighten the nut. IF THE IGNITION WIRE IS NOT ON THIS TERMINAL - **DO NOT PROCEED** UNTIL YOU HAVE READ THESE INSTRUCTIONS FULLY AGAIN.
26. Remove and dispense with the wire from Negative (-) side of coil.
27. Fit the new black wire from the Distributor
- ~~28.~~ Most DJ type distributors use the same drive as the New Distributor so there is no need to change it. **THEREFORE IGNORE INSTRUCTIONS 12 to 17**
29. NOTE: It will not be necessary to fit the shaft with the supplied washer.

Contents of the Distributor Kit:

30. Non-Vacuum Distributor complete with Distributor Cap, Side or Top Entry
31. 2 x Loop Connectors
32. Small piece of Heatshrink
33. Short terminated black connecting wire
34. Washer for Distributor Shaft
35. In addition, top entry caps are supplied complete with 5 HT terminals, and 5 rubber boots, at additional cost if you have chosen that option

Standard Motor Club

Issue 2

27th Oct 2023

AccuSpark Return Note

**DO NOT RETURN WITH REFERENCE TO PHONE CALLS OR EMAILS
UNLESS DETAILS ARE ENCLOSED**

We deal with dozens of calls and enquiries each day

**YOU MUST ENSURE THAT ANY ITEMS RETURNED ARE CLEANED OF SILICONE PASTE, GREASE ETC.
WE WILL NO LONGER HANDLE ITEMS THAT HAVEN'T BEEN CLEANED. THESE WILL BE RETURNED TO
THE SENDER UNTESTED. THANK YOU.**

This page **MUST** be completed in full and enclosed with returned items, we **cannot** process returns without this information.

Name.....

Address.....

Post Code.....Email Address.....

Daytime Phone Number..... Date of original purchase.....

Was the item purchased through (please circle appropriate option):

a) Ebay b) Over the phone c) Via our website d) Show E) Shop sale

Invoice Number/ebay item number.....

Description of item returned

Reason for return.....

Description of fault (if faulty)

Date.....

Copy of invoice/ebay sales invoice to be enclosed.

Return to: AccuSpark Ignition Systems Ltd, Unit 2 Lantern Commercial Centre, London Road, Flamstead, St. Albans, Hertfordshire, AL3 8HG

-----**Terms of**

Warranty and supply

Accuspark warrants to the original Purchaser that its products shall be free from defects in material and workmanship for a period of 12 months, from the day of purchase.

If within the warranty period AccuSpark finds, after inspection, that the product or any component thereof is defective, AccuSpark will, at its option, repair such product or component or replace them with identical or similar parts PROVIDED that within such period the purchaser delivers the defective product or component to us with this form completed in full, AND has installed and used the product in a normal and proper manner consistent with our printed instructions. The foregoing limited warranty is exclusive and in lieu of all other warranties, whether express or implied, including any implied warranty or merchantability or fitness for a particular purpose. The furnishing of a repair or replacement components shall constitute the sole remedy of purchaser and the sole liability of Accuspark whether on warranty, contract or for negligence, and in no event will Accuspark be liable for money damages whether direct or consequential