

Standard Motor Club Pre 1948 Distributor – Electronic Positive Earth Version

Introduction

These instructions apply only to kits supplied by the Standard Motor Club 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 **Positive Earth**

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.

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 – you must take 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 NEGATIVE (switch) terminal of the coil. Check you have a negative reading with a voltmeter. 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.

To prepare the wiring on your New Distributor

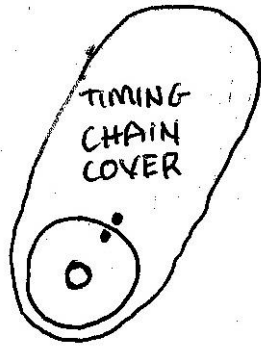
There is a long white wire and a shorter black wire. Lay in the new Distributor and judge if these wires need extending or shortening for your application

1. It may be necessary to shorten the white wire, but then add a Female Lucar Connector, supplied, to it,
2. It may be necessary to extend the black wire but then terminate it in another Female Lucar Connector supplied

How to fit the Distributor DK4A and DKY4A, only (for fitting DJ type see instruction 30)

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



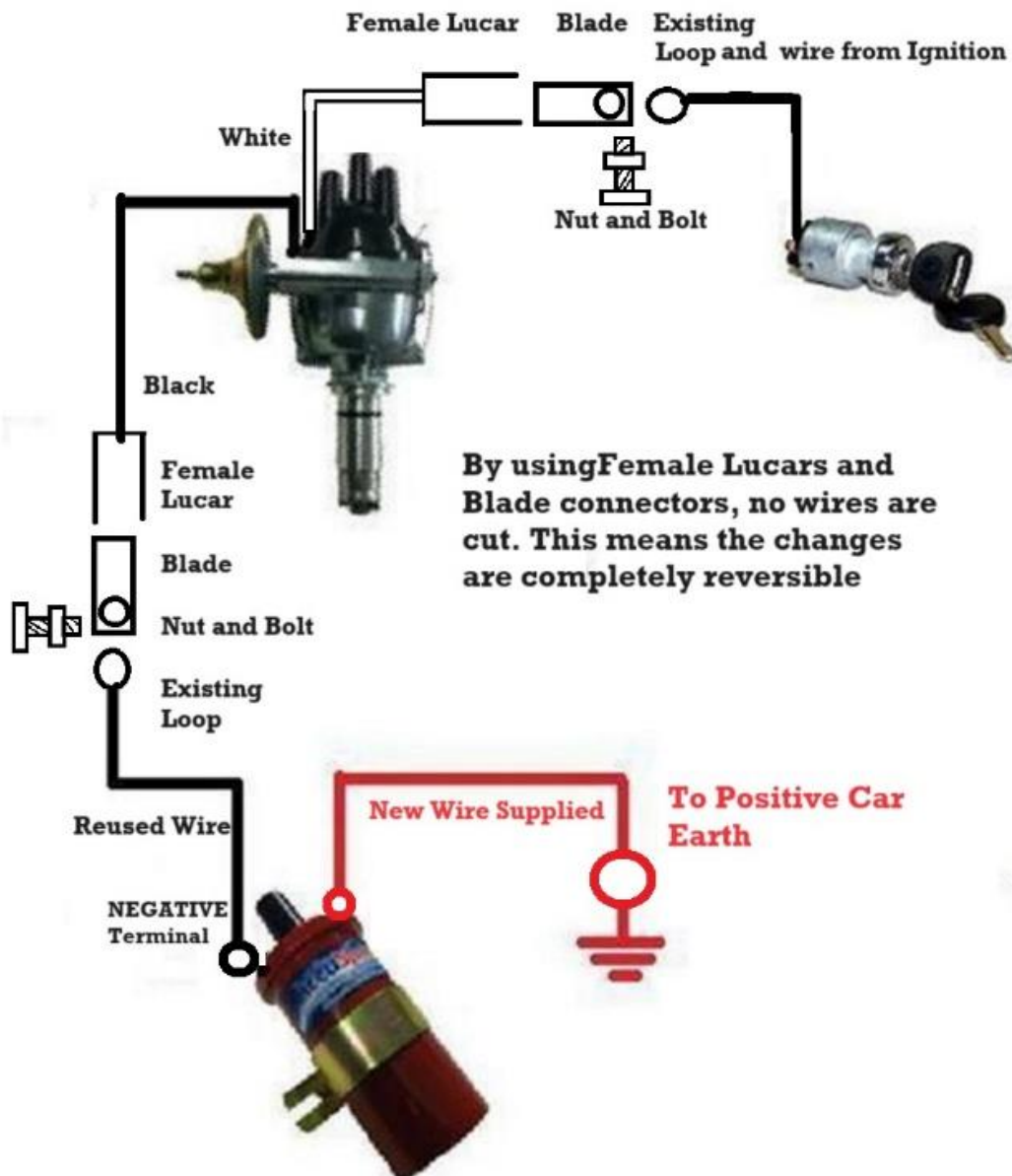
8. This can be used later for timing with a strobe timing light, if you have one
9. Remove old Distributor and Housing by undoing the 2 nuts
10. To remove Dist. from housing undo the small locking nut and withdraw the small safety bolt from the housing. Withdraw the Dist.
11. Mark the offset drive so 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 and rubber boots (both supplied in the kit) to the HT leads
24. Use the wiring diagram, and follow the wiring instructions below
- ~~25.~~ Remove wire from – SW Neg side of the coil and connect the loop to the bare male connector and nut, bolt and locking washer supplied. Use the small piece of Heatshrink supplied, to insulate the joint.
26. Remove wire from + Pos CB side of coil. Refit to the -SW Neg side of the coil
27. Fit the loop at the other end of this wire with a second bare male Lucar connector with nut bolt and locking washer Use the second small piece of Heatshrink supplied, to insulate the joint. Fit this into the female connector on the black wire to the Distributor
28. Use the supplied short new wire, to fit from +Pos CB to a nearby earth (maybe under coil bracket?)
29. Ensure all electrical connections are fully insulated Twist the black and white wires together (around themselves) and ensure they do not touch hot surfaces. Reconnect Battery and Test
- ~~30.~~ Most DJ type distributors use the same drive as the New Distributor so therefore it is only necessary to follow instructions 1 to 10, then 19 onwards
31. NOTE: For the DJ type It will not be necessary to fit the shaft with the supplied washer.

Pre 1948 Standard Cars

Positive Earth Wiring Diagram



Contents of the Distributor Kit:

1. Non-Vacuum Distributor complete with Distributor Cap, Side or Top Entry
2. Small spacing Washer
3. 2 x Female Lucar Connectors with Insulators
4. 2 x Small bare male Lucar Connectors
5. 2 x Small nut, locking washer and bolt with
6. 2 x heatshrink insulator sleeves
7. Terminated Short Connecting wire
8. 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

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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