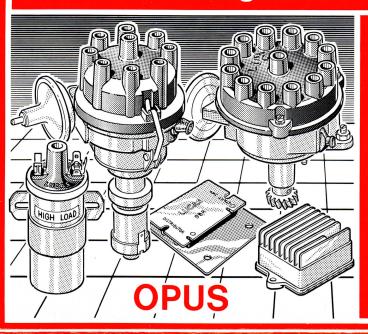
Electronic Ignition Systems



TEST CARD

Publication Number XRB211

Lucas



Lucas Electrical Limited, Parts and Service Division, Great Hampton Street, Birmingham B18 6AU Printed in England © Lucas Electrical Limited 1986

RECOMMENDED TEST EQUIPMENT AND TOOLS

DC Moving Coil Voltmeter Scale 0-20 V HT Test Lead and LT Jumper Cable Non-Ferrous Feeler Gauges

Note: 1 The ignition must be switched 'on' for all tests except TESTS 3 and 8

2 Key to symbols used in charts for TEST 2





reading



WARNING Ignition systems produce high voltages. Besides the risk from electrical shock. danger can arise through sudden uncontrolled body movement causing contact with rotating fans. pulleys, etc. Even with a stationary engine a thermostatically controlled radiator fan may be rotating or suddenly commence to rotate.

TAKE GREAT CARE TO AVOID THE RISK OF INJURY.

TEST:



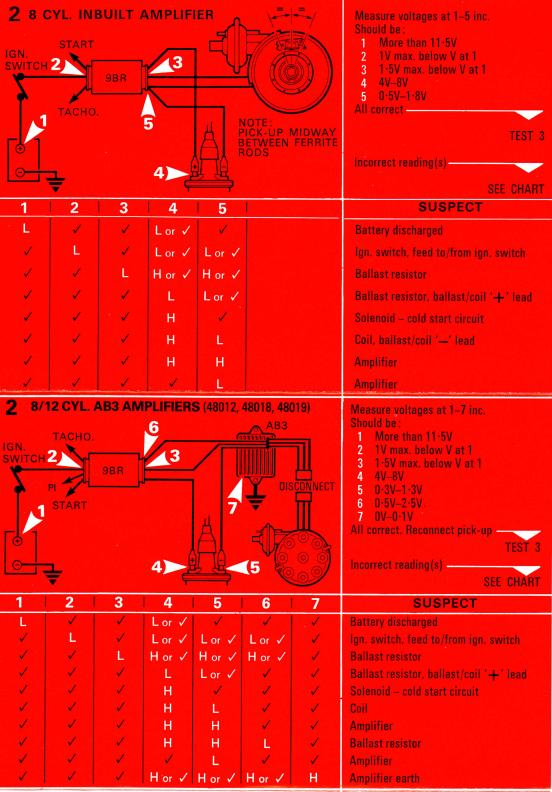
6mm (0·25")=

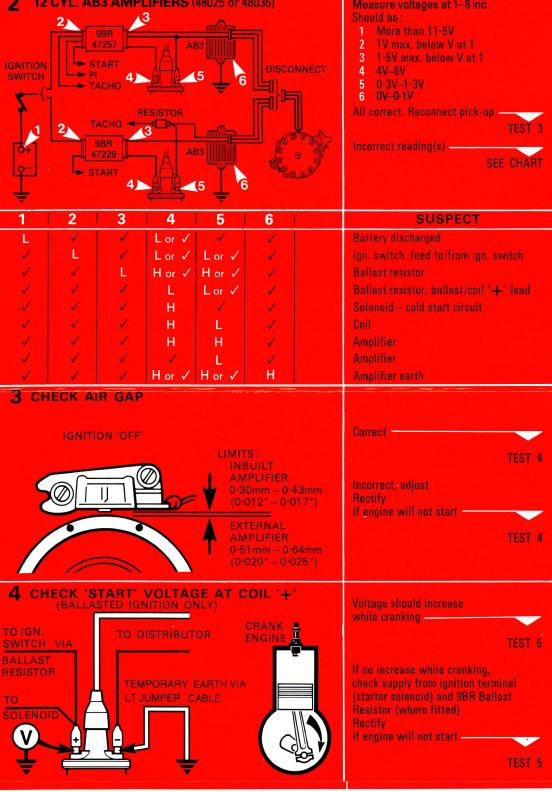
RESULT:

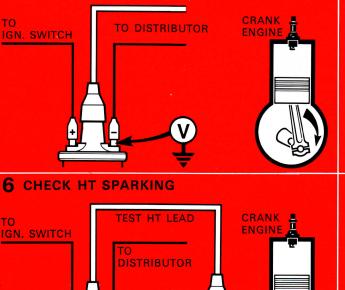
No sparking -

Should be: Regular sparking TEST 7

TEST 2







CHECK AMPLIFIER SWITCHING

Should be: Good HT sparking Repeat with original HT lead _____ TEST 7 No sparking Replace coil If engine will not start —

Voltage should increase

If no increase, amplifier is faulty

TEST 6

TEST 6

TEST 7

TEST 8

while cranking -

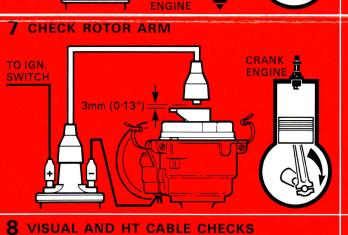
Replace amplifier If engine will not start -

Should be:

No sparking _____

Good HT sparking

Should be:



6mm (0·25")=

EARTH AT

Replace rotor arm If engine will not start TEST 8

EXAMINE

- 1 DISTRIBUTOR COVER
- **2 HT CABLE INSULATION**

or perished

1 Clean, dry, no tracking marks

- 2 Must not be cracked, chafed
- **3 HT CABLE CONTINUITY** 3 Must not be open circuit 4 Clean, dry and set to correct gap
- **4 SPARK PLUGS**