Contact Breaker Ignition Systems



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10M/486/DL

RECOMMENDED TEST EQUIPMENT AND TOOLS

D.C. Moving Coil Voltmeter Scale 0-20 V High Tension (HT) Test Lead Low Tension (LT) Jumper Cable Test Capacitor (0.18 - 0.20 µF) Heavily Insulated Pliers Feeler gauges Suitable Screwdrivers

Note

- 1 All meter connections are given for negative earth systems
- 2 The ignition must be switched 'ON' for all tests
- 3 A, B and C are preliminary checks

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



sw

15

СВ

EARTH AT ENGINE

RESULT



Weak sparking or no sparking

TEST 2







9 VISUAL AND HT CABLE CHECKS

EXAMINE

- **1 DISTRIBUTOR COVER**
- **2 IGNITION COIL TOP**
- **3 HT CABLE INSULATION**
- 4 HT CABLE CONTINUITY
- **5 SPARKING PLUGS**

- Should be
 - 1 Clean, dry, no tracking marks

TEST 9

TEST 9

- 2 Clean, dry, no tracking marks
- 3 Not cracked, chafed or perished
- 4 Not open circuit
- 5 Clean, dry, correct gap