

4-50 1974-79 DISTRIBUTORS & IGNITION SYSTEMS

Lucas Single Breaker Point Distributors

MGB: 1976 All Models
Triumph: 1976 TR6

DESCRIPTION

Distributor is a single breaker design. Centrifugal advance is accomplished with conventional weights and springs. Vacuum advance/retard units (if equipped) actuate the movable portion of breaker plate. On some models, a drive gear contained within distributor body provides a drive for the tachometer.

SPECIFICATIONS

POINT GAP & DWELL ANGLE

See appropriate article in TUNE-UP PROCEDURES section.

CENTRIFUGAL & VACUUM ADVANCE

See appropriate DISTRIBUTOR ADVANCE SPECIFICATIONS table in this section.

ADJUSTMENTS

POINT GAP & DWELL ANGLE

With rubbing block on high point of cam lobe, insert a feeler gauge blade between contacts and check reading against specification. To correct, loosen retaining screw. Move stationary contact point until correct gap is obtained, then tighten screw. Check dwell angle and compare indicated reading with specifications. Correct dwell if necessary.

TESTING

BREAKER ARM SPRING TENSION

To check spring tension, place hook end of spring scale as close as possible to the movable breaker point. Pull scale at a right angle (90 degrees) to the movable arm and note reading just as points begin to open.

CENTRIFUGAL ADVANCE

Check distributor in test stand according to test equipment manufacturer's instructions. Operate distributor up and down the RPM range and check advance at all RPM settings specified.

VACUUM ADVANCE/RETARD

With distributor in test stand, check advance/retard at vacuum settings shown in specifications. If tests indicate vacuum diaphragm unit is inoperative, out of calibration, or leaking, replace vacuum unit.

OVERHAUL

DISASSEMBLY

1) On models equipped with tachometer drive gear, remove gear before starting disassembly. Remove rotor, breaker points, condenser, and terminal block (if equipped).

NOTE: Note order in which insulators, low-tension and condenser leads are removed from connector at breaker points.

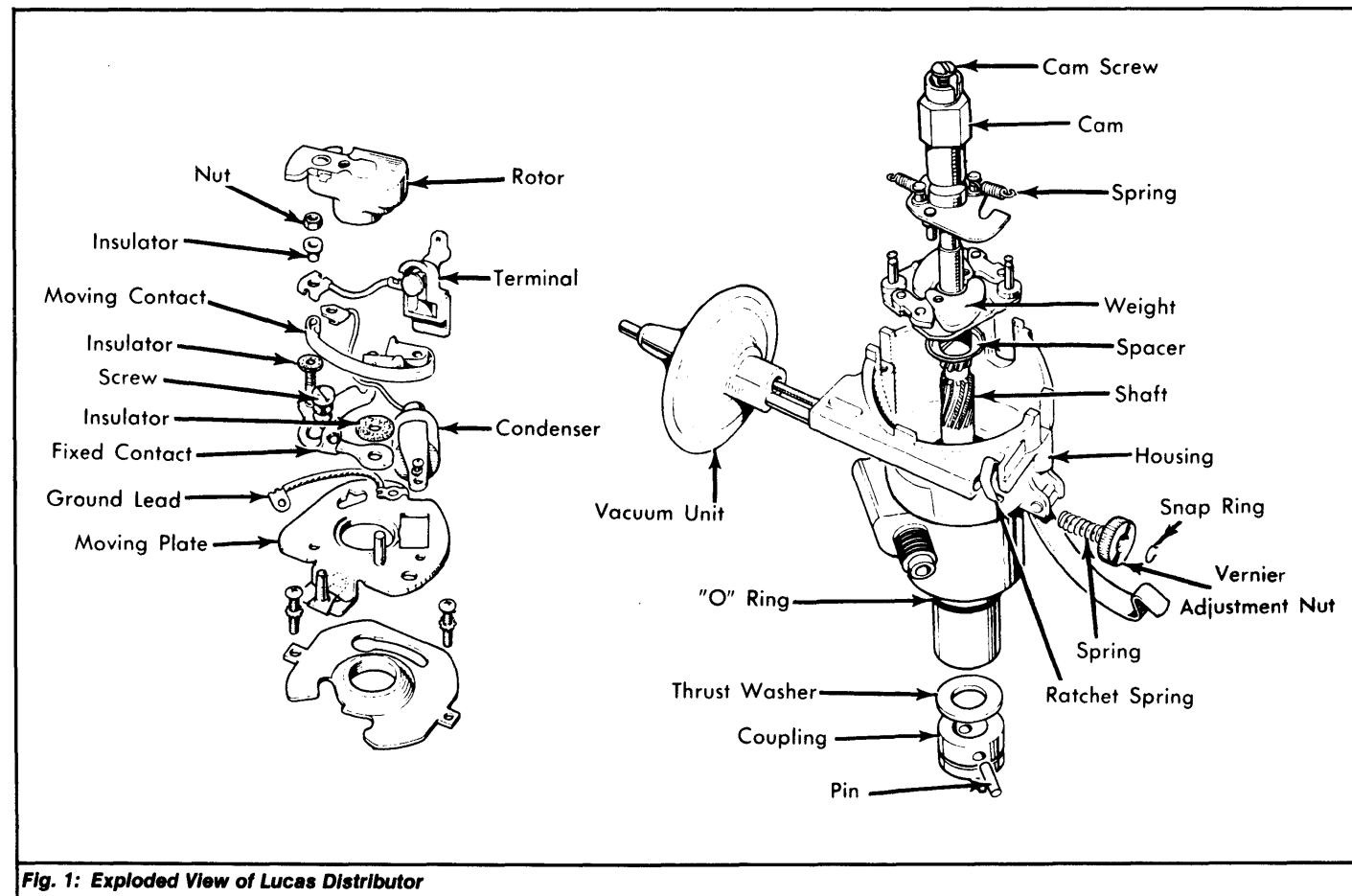
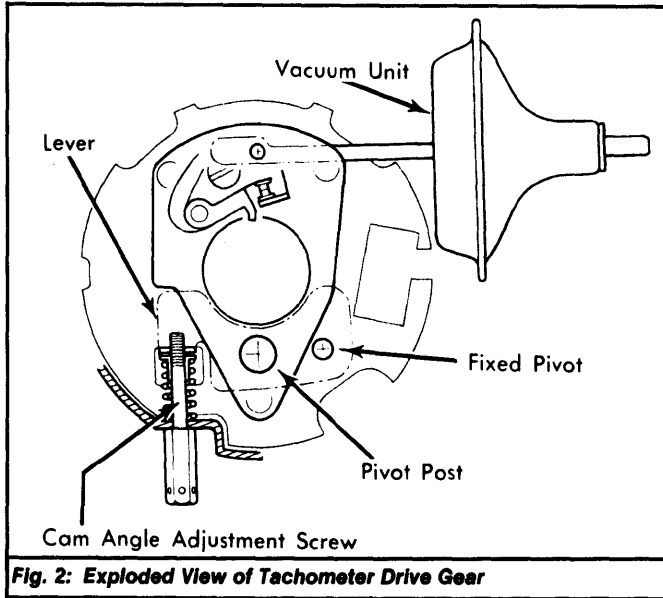


Fig. 1: Exploded View of Lucas Distributor

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Lucas Single Breaker Point Distributors (Cont.)



2) Remove lock pin or screws retaining vacuum unit and remove unit from distributor body. Remove breaker plate assembly. Drive out retaining pin, then remove coupling (or gear) from end of distributor shaft.

NOTE: Before removing coupling (if equipped), note relationship of coupling offset key to rotor locating slot as viewed from coupling end, then mark position of coupling on end of shaft for reassembly reference.

3) Remove shaft from distributor housing. Note positioning of centrifugal advance parts for reassembly reference. Remove cam retaining screw, centrifugal advance springs, and cam. Remove centrifugal weights.

REASSEMBLY

Reassemble distributor in reverse order of disassembly. Install tachometer drive gear after distributor has been reassembled.