

1974-79 DISTRIBUTORS & IGNITION SYSTEMS 4-55

Mitsubishi Dual Breaker Point Distributors

Mazda: All Rotary Engines

DESCRIPTION

Rotary engines use a dual breaker point distributor. One set of points is used for the leading side and the other for the trailing side. Leading and trailing breaker points are attached to individual movable breaker plates, which are connected to their own vacuum advance units. A 2-level distributor cap and a 2-level rotor are used. One level supplies the leading side, the other the trailing side. Conventional centrifugal advance with weights and springs is used.

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.

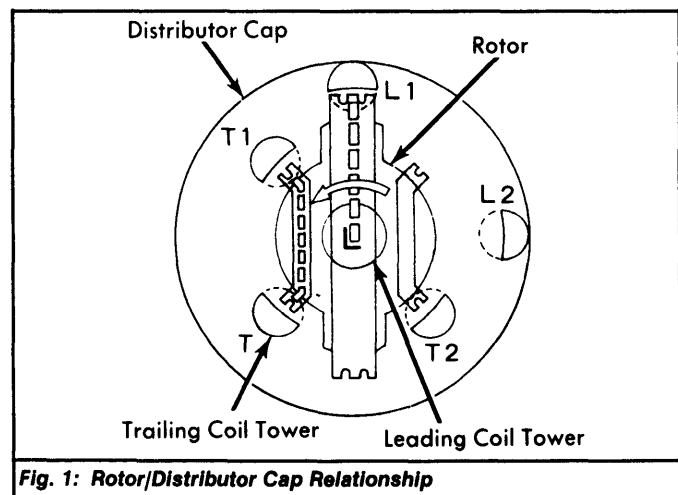


Fig. 1: Rotor/Distributor Cap Relationship

ADJUSTMENTS

POINT GAP & CAM ANGLE

With rubbing block on high point of cam lobe, insert feeler gauge between contacts and check reading against specifications. To correct, loosen retaining screw and move stationary contact point until correct gap is obtained, then tighten screw. Align points if necessary by bending stationary contact support only. Check cam angle and compare indicated reading with specification. Correct if necessary.

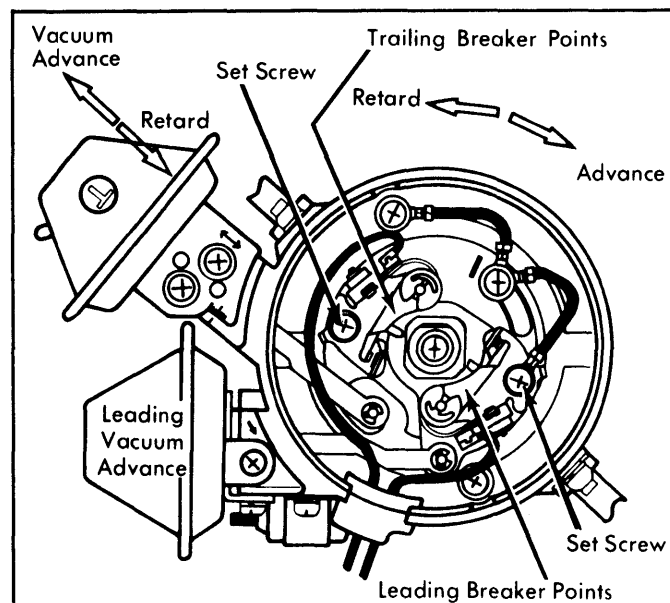


Fig. 2: Dual Breaker Point Distributor Adjustments

BREAKER ARM SPRING TENSION

Place hook end of spring scale as close as possible to the movable breaker point. Pull scale at a right angle to the movable arm and note reading just as points begin to open, reading should be 1.1-1.4 lbs. (0.5-0.65 kg).

CENTRIFUGAL ADVANCE

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

OVERHAUL

DISASSEMBLY & REASSEMBLY

- 1) Remove distributor cap and rotor. Disconnect primary wires from leading and trailing contact points. Disconnect condenser leads.
- 2) Remove rubber block with primary wires from housing. Remove clips holding vacuum links to breaker plates. Remove vacuum advance/retard units.
- 3) Remove bearing stopper set screws and lift out breaker base plate and bearing assembly. Remove cam attaching screw and lift cam off of shaft.
- 4) Drive lock pin out of driven gear. Remove gear and washers. Remove shaft through top of housing. Remove governor weight springs and weights. Reassemble distributor in reverse order of disassembly.

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Mitsubishi Dual Breaker Point Distributors (Cont.)

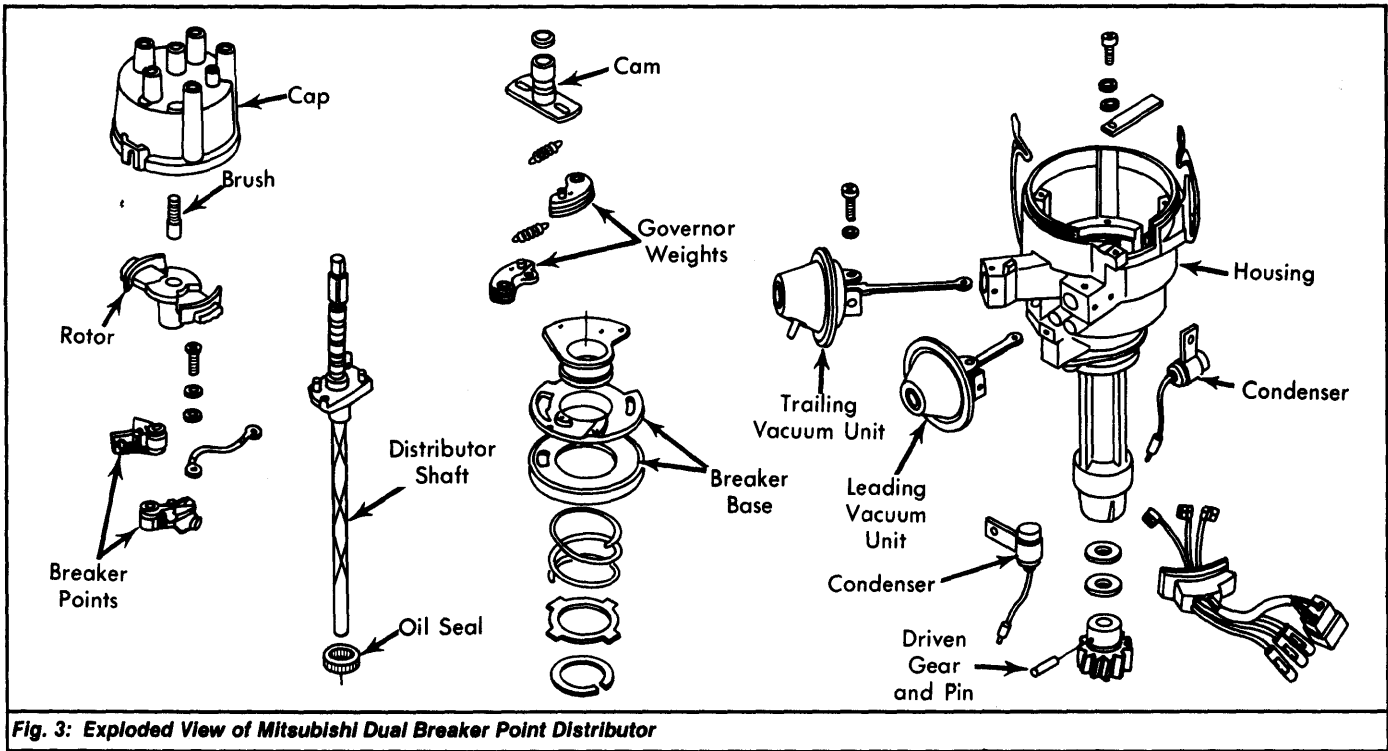


Fig. 3: Exploded View of Mitsubishi Dual Breaker Point Distributor