

Ignition Distributors

DELCO-REMY PIVOTED PLATE

DESCRIPTION

Single breaker, fully automatic type with aluminum housing. Breaker plate consists of a fixed lower plate mounted rigidly in distributor housing, and a movable upper plate which is pivoted at one end. Condenser and contact points are mounted on pivoted upper breaker plate. Centrifugal advance mechanism is conventional type with weights and springs mounted under breaker plate. Vacuum advance is controlled by conventional type vacuum unit mounted on distributor housing and linked to breaker plate at opposite end of pivot point.

SPECIFICATIONS

POINT GAP, CAM ANGLE & BREAKER ARM SPRING TENSION

See appropriate article in TUNE-UP Section.

CENTRIFUGAL & VACUUM ADVANCE

See DISTRIBUTOR ADVANCE SPECIFICATIONS in this Section.

ADJUSTMENT

POINT GAP & CAM ANGLE

Check point gap using suitable feeler gauge or dial indicator. To adjust, insert screwdriver through slot in breaker plate and turn as necessary. Align points by bending fixed contact support. Cam angle settings must be made with vacuum unit hoses disconnected. Variation in cam angle from idle to 1750 engine RPM should not be more than 3°. Readings taken above 1750 RPM may not be accurate. **CAUTION** — On models with single upper bushing in distributor housing, point gap and cam angle setting should be made with distributor mounted on engine. If mounted on test stand, an adapter must be used to protect and pilot lower end of distributor shaft in tester.

BREAKER ARM SPRING TENSION

Attach suitable spring scale to breaker arm and pull in a straight line at right angles to point surfaces. Reading should be taken just as points start to separate.

CENTRIFUGAL ADVANCE

Check operation in suitable distributor test machine. If above or below specifications, replace weights, springs or cam as necessary.

VACUUM ADVANCE

Diaphragm assembly is pre-set and no adjustment is provided. If not within specifications, replace vacuum unit.

LUBRICATION

When checking, adjusting or replacing contact points, always rotate sponge lubricator a few degrees to provide cam with new contact face. Apply a trace of petrolatum to cam. Do not lubricate sponge, replace if necessary.

OVERHAUL

DISASSEMBLY

Remove rotor. Disconnect primary and condenser leads from between plastic retainer and breaker set spring. Remove con-

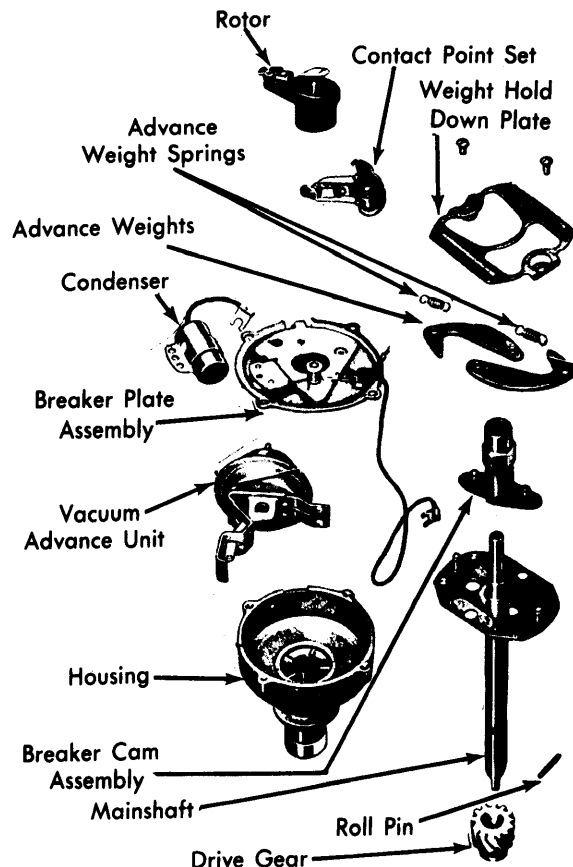
tact points adjusting hold-down screw and remove contact points assembly. Remove primary lead and retainer. Remove condenser and bracket. Remove screws from vacuum advance diaphragm bracket, using slight downward pressure to disengage lever, remove vacuum advance unit. Remove breaker plate attaching screws and remove breaker plate. **NOTE** — do not disassemble breaker plate. Remove roll pin retaining driven gear to mainshaft and slide gear from shaft. Slide cam and mainshaft from distributor housing. Remove weight cover and stop plate screws, remove the cover, weight springs, weights and slide cam assembly from mainshaft.

INSPECTION

Wash and clean all parts. Check for wear, burrs, roughness and replace parts as necessary. Mainshaft runout, checked on "V" blocks with dial indicator, should not exceed .002".

REASSEMBLY

Reverse disassembly procedure and note that contact point set pilot must engage matching hole in breaker plate.



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DELCO-REMY PIVOTED BREAKER PLATE DISTRIBUTOR ASSEMBLY