FORD MOTOR CO. LOADOMATIC

DESCRIPTION

Distributors use both pivotless and pivot type contact point assemblies. Pivotless assemblies have breaker arm and rubbing block mounted on contact assembly bracket but do not have a pivot shaft. Contacts on pivotless type assemblies are serviced in usual manner except no breaker arm spring tension adjustment can be made.

SPECIFICATIONS

POINT GAP, CAM ANGLE & BREAKER ARM SPRING TENSION

See appropriate article in TUNE-UP Section.

VACUUM ADVANCE SPECIFICATIONS

See DISTRIBUTOR ADVANCE SPECIFICATIONS in this Section.

ADJUSTMENT

POINT GAP

Insert feeler gauge of specified thickness between points with rubbing block on high point of cam lobe. Adjust by loosening lock screw and moving stationary contact.

SPARK ADVANCE

With distributor mounted in test stand, check operation of lowest and highest vacuum and RPM settings. If low vacuum not within limits, adjust tension of primary spring by turning adjusting post. If high vacuum not within limits, adjust tension of secondary spring. *NOTE — Always adjust primary spring first.*

OVERHAUL

DISASSEMBLY

Remove oil pump drive shaft (if equipped) by driving out retainer pin. Remove rotor and retainer, vacuum advance rod retainer, and vacuum unit. Remove condenser and contact point assembly. Release tension on advance springs and remove springs. *CAUTION — Do not distort springs.* Remove cap clamps. Drive out drive gear pin, press gear off shaft, and slide shaft from housing. Remove breaker plate lock ring retainer and remove breaker plate and primary and ground wires.

BUSHING REPLACEMENT

Drive bushing out through top end of distributor housing. Oil new bushing and drive bushing in (lock ring end up) until bushing bottoms firmly against distributor housing. Burnish bushing to proper size using suitable tool (12132).

REASSEMBLY

Reverse disassembly procedure and note the following: Shaft and gear are serviced as an assembly only. Press gear on shaft to obtain specified clearance. If a new shaft is installed, drill a 1/8" pin hole through shaft using pin hole in gear should as a guide. With gear installed, measure distance from bottom of mounting flange to bottom of gear.

Distributor Shaft Endplay

Application	Endplay
170", 200", 352", 360", 390"	.022-.033"
240", 300"	.003-.010"

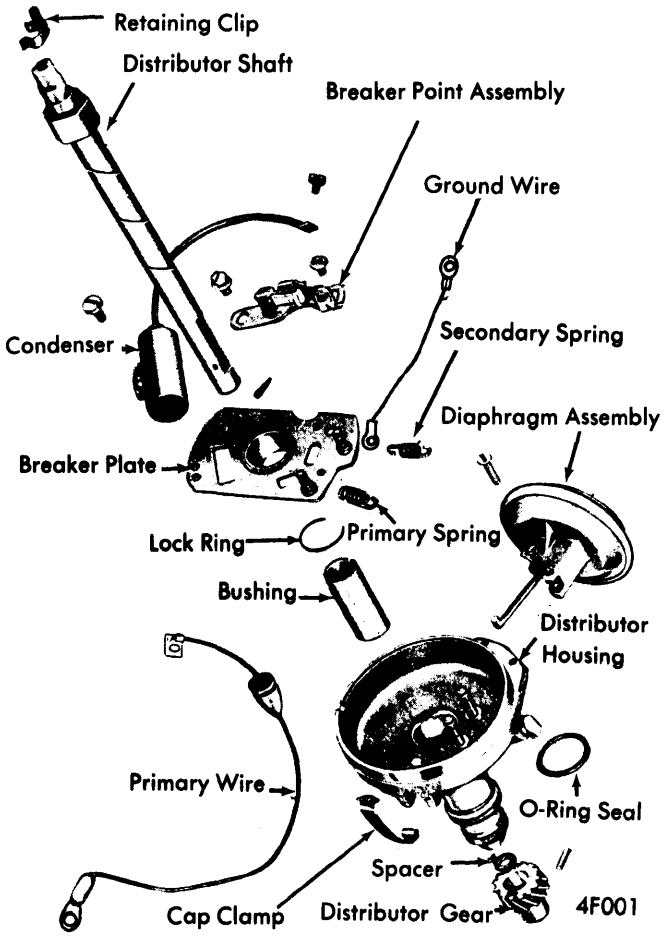
①Gear Distance

Application	Distance
170", 200", 240"	2.510-2.515"
352", 360", 390"	3.071-3.078"

① — Distance from bottom of mounting flange to bottom of gear.

VACUUM ADVANCE UNIT

Testing for Leakage — Adjust vacuum pressure of tester for maximum vacuum *(CAUTION — Do not exceed 25" of Hg.)*. Connect tester vacuum line to diaphragm vacuum fitting without changing tester setting. Gauge reading should hold at same setting. If gauge reading is less, diaphragm is leaking and vacuum diaphragm unit should be replaced.



FORD LOADOMATIC DISTRIBUTOR (TYPICAL)