

# 4-26 1975-79 DISTRIBUTORS & IGNITION SYSTEMS

## Bosch Single Breaker Distributor

**1977-79 American Motors  
Concord & Spirit 4-Cylinder Engine**

### DESCRIPTION

The Bosch distributor uses a single set of points mounted on a pivoting breaker plate. Breaker plate assembly consists of a support plate which is rigidly attached to distributor housing and a movable plate which is pivoted on support plate. The contact points are mounted on the movable plate.

The condenser is mounted externally on side of distributor housing. A single diaphragm vacuum advance unit is also mounted on distributor housing and is connected by a link to the movable breaker plate. Centrifugal advance weights are connected to the distributor shaft, just below support plate inside distributor.

### ADJUSTMENTS

#### POINT GAP & DWELL ANGLE

- 1) With contact point rubbing block on high point of cam lobe, insert a feeler gauge between points. Check reading against specifications. See appropriate DISTRIBUTOR SPECIFICATIONS table in this section.
- 2) To correct point gap, loosen contact point retaining screw and move stationary contact point until correct point gap is obtained. After adjustment tighten retaining screw.
- 3) Align points, if necessary, by bending stationary contact support. Check dwell angle with a dwell meter and correct if necessary. See appropriate DISTRIBUTOR SPECIFICATIONS table in this section.

#### BREAKER ARM SPRING TENSION

Place hook on end of spring scale as close as possible to the movable breaker point. Pull scale at right angle (90 degrees) to the movable arm and note spring tension just as points begin to open.

#### CENTRIFUGAL ADVANCE

- 1) Check distributor in test stand according to test equipment manufacturer's instructions. Operate distributor up and down RPM range and check advance at all specified RPM settings. See appropriate DISTRIBUTOR SPECIFICATIONS table in this section.
- 2) Adjustment of centrifugal advance can be made by modifying spring tension by bending the spring anchors or by replacing springs, weights, or cam as necessary.

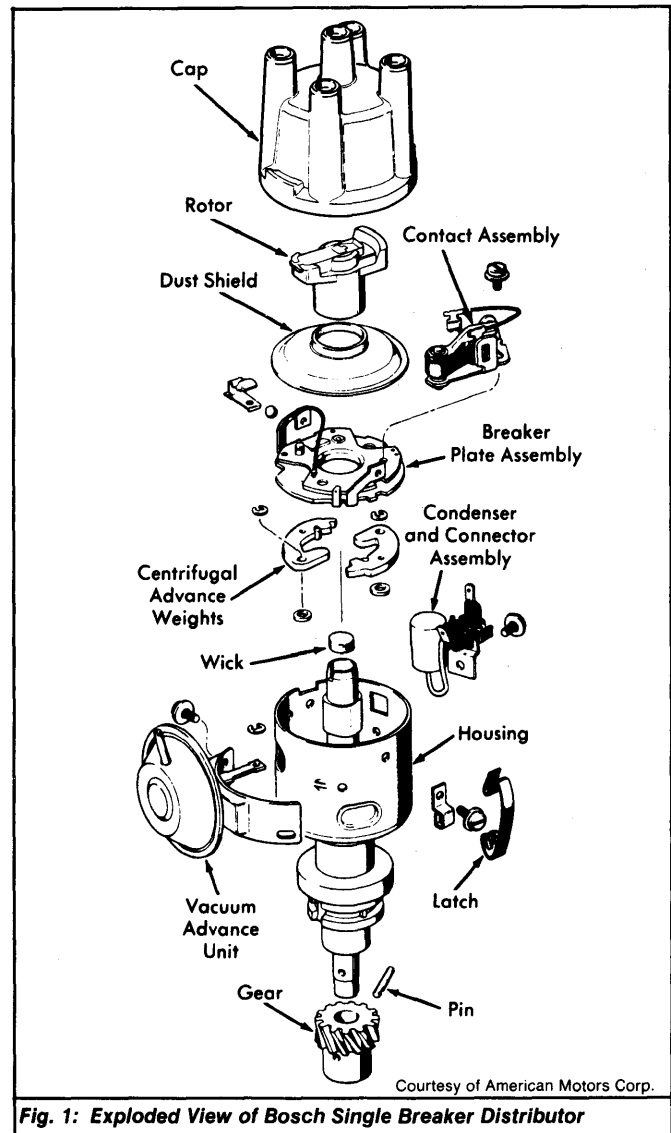
#### VACUUM ADVANCE

With distributor mounted on test stand, check vacuum advance settings. See appropriate DISTRIBUTOR SPECIFICATIONS table in this section. Replace vacuum advance unit if tests indicate that vacuum advance unit is inoperative, out of calibration, or leaking.

### OVERHAUL

#### DISTRIBUTOR

Distributor overhaul procedures are not available from manufacturer. Use exploded view of distributor as a guide to overhaul distributor. See Fig. 1.



**Fig. 1: Exploded View of Bosch Single Breaker Distributor**