Nippondenso Single Breaker Point Distributors

General Motors: LUV
Opel: All Models

DESCRIPTION

Distributor is a single breaker, conventional design. Breaker points are mounted on movable portion of breaker plate assembly. Centrifugal advance is conventional type with weights and springs. Vacuum advance is controlled by a vacuum diaphragm unit mounted on distributor housing and linked to movable portion of breaker plate assembly.

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 screws and move stationary contact point until correct gap is obtained, then tighten screws. Align points if necessary by bending stationary contact support only. Check dwell angle and compare indicated reading with specifications. Correct dwell if necessary.

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

With distributor in test stand, check advance 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) Remove cap, rotor, dust cover, and terminal with insulation. Remove condenser and snap ring retaining vacuum advance rod. Remove vacuum advance unit. Remove dust gaskets. Remove breaker points and damper spring. Remove cap clamps and lead wire.

NOTE: Record the quantity, type, sequence, and thickness of washers in use at each location during disassembly.

2) Remove breaker plate assembly. Note positioning of cam, springs, and weights on distributor shaft. Remove attaching screw, cam, governor springs, and weights. Mark position of driven gear on shaft for reassembly reference. Remove retaining pin(s), gear, and spacing collar (if equipped) from end of shaft. Remove shaft from distributor housing.

REASSEMBLY

Reassemble distributor in reverse order of disassembly. Lubricate shaft, cam, damper spring, and breaker arm slightly.

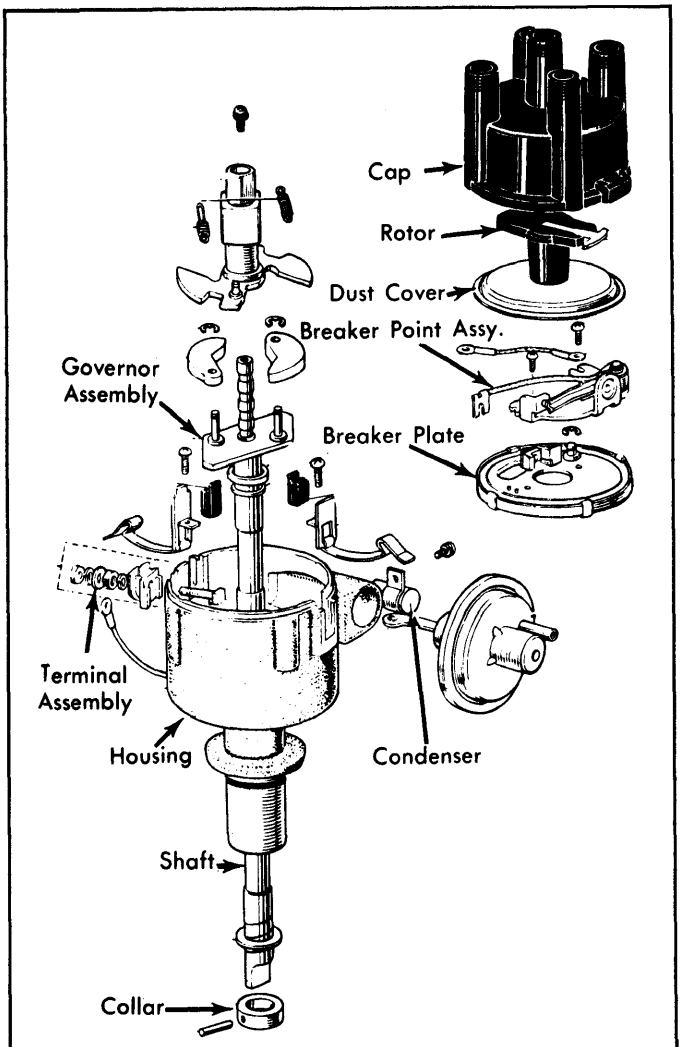

Fig. 1: Exploded View of Nippondenso Single Breaker Point Distributor