

PORSCHE 912, 911T & 914/6 ENGINE MODIFICATION

912 (1969)
911T (1969)
914/6 (1970-71)

NOTE — 1969-72 911E & 911S models use Bosch Mechanical Fuel Injection, 1970-73 914 models use Bosch Electronic Fuel Injection. For additional information, see appropriate article in CARBURETOR section.

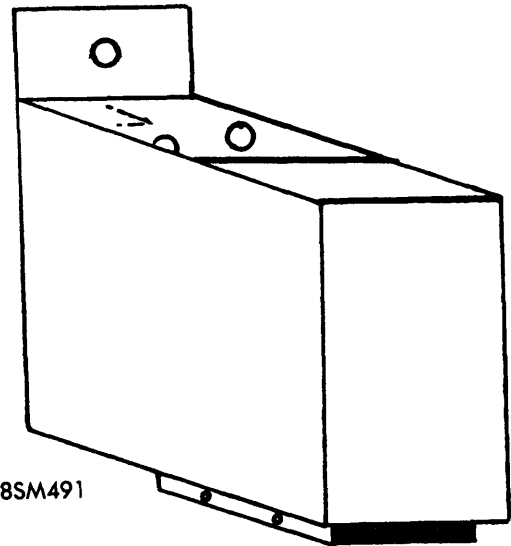
912 Models — In addition to the above, 1969 912 models incorporate a distributor equipped with a vacuum control unit which retards ignition timing at idle speeds. Because of retarded timing, throttle valves can be opened slightly farther at idle speeds, allowing cylinders to receive a greater supply of air. To improve fuel atomization, intake ducts are heated with warm air.

DESCRIPTION

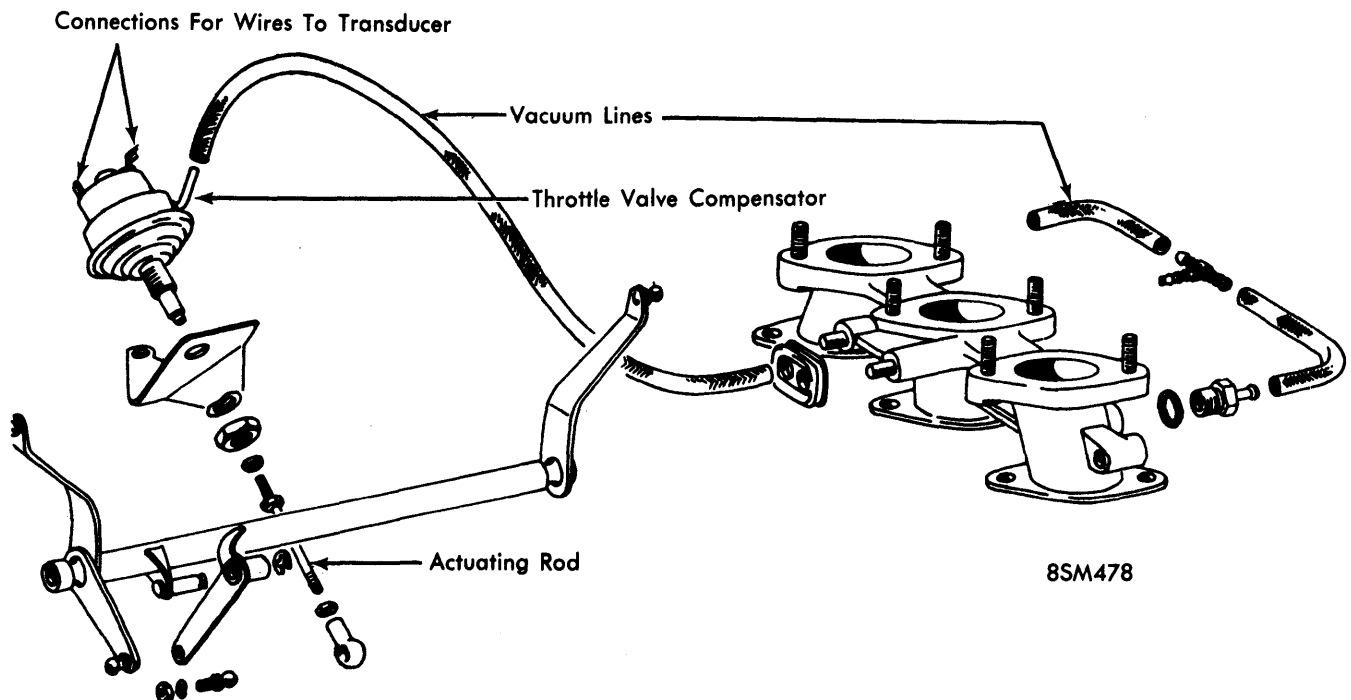
System consists of a pneumatically controlled throttle valve compensator with a solenoid controlled regulating valve and a RPM transducer. Also included on the 1973 914 is a device that supplies additional air for engine overrun, a temperature and load dependent air intake preheating system.

OPERATION

Driving at high speed, throttles closed, causes a high vacuum in engine induction system, resulting in an over rich air/fuel mixture. To correct this, a regulating solenoid valve opens at engine speeds above 1600 RPM, allowing manifold vacuum to act upon vacuum control unit. When throttle is closed, increased manifold vacuum pulls actuating plunger of throttle valve compensator. This in turn acts upon carburetor linkage exerting a slight pull towards full throttle, keeping throttle from fully closing. Solenoid valve closes at speeds below 1500 ± 50 RPM, allowing air to enter vacuum part of control unit. As a result, actuating plunger returns into its resting place and throttles close to idle position. Regulating solenoid valve is controlled by an RPM transducer which receives its signals from contact breaker points.



PORSCHE TRANSDUCER



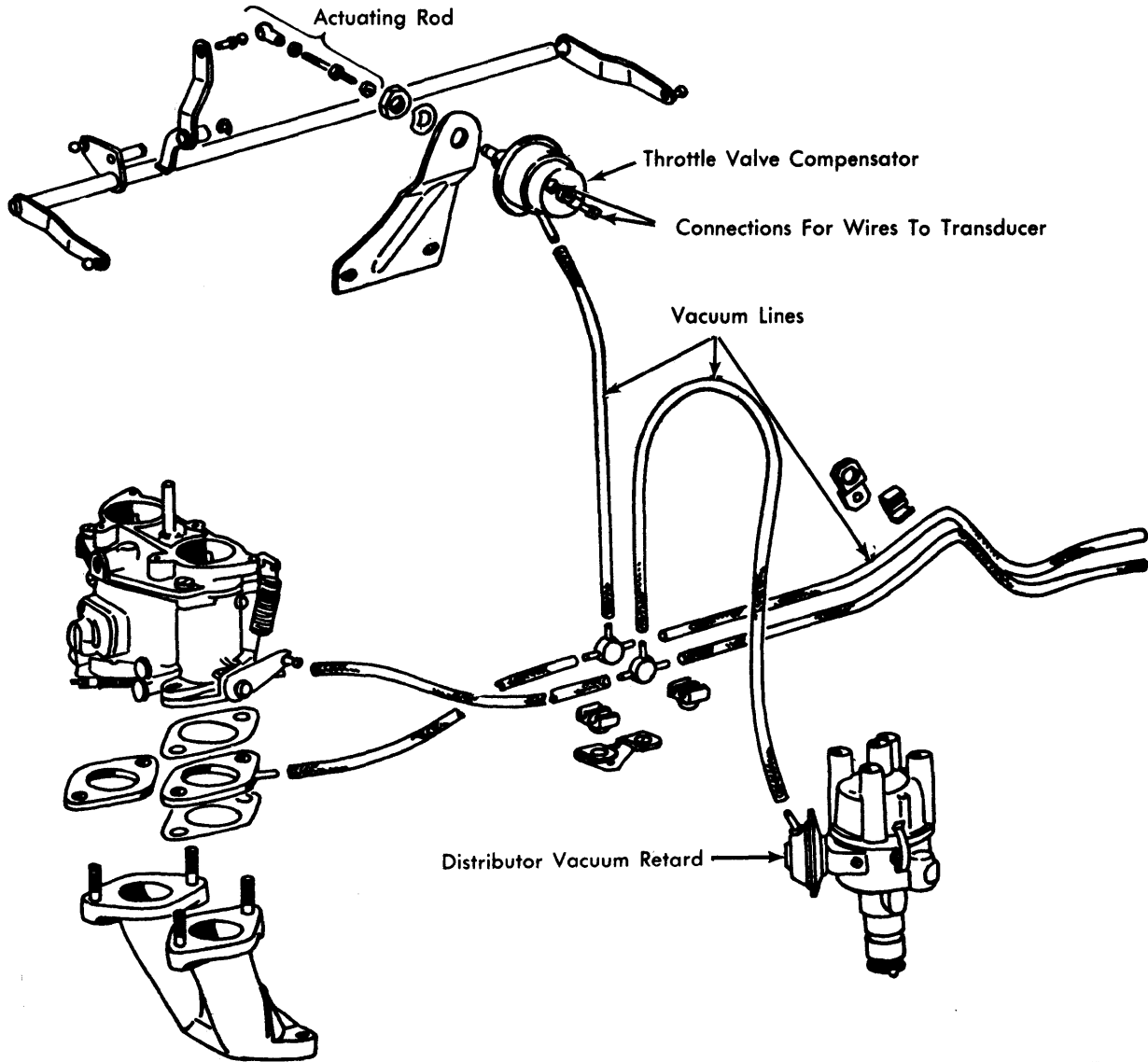
PORSCHE EXHAUST EMISSION SYSTEM
(1969 911T & 1970-71 914/6)

Exhaust Emission Systems

PORSCHE 912, 911T & 914/6 ENGINE MODIFICATION (Cont.)

Transducer — The RPM transducer (which controls regulating solenoid valve) is located on left side panel in engine compart-

ment. Brown wire, between throttle valve compensator and transducer is ground. Black wire is hot.



1969 PORSCHE 912 EXHAUST EMISSION SYSTEM

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