

# 1975 Corvette: Service News: High Energy Ignition System - Service Update

---

**Subject:** High Energy Ignition System - Service Update

**Model and Year:** 1975 Corvette

**Source:** Chevrolet Service News


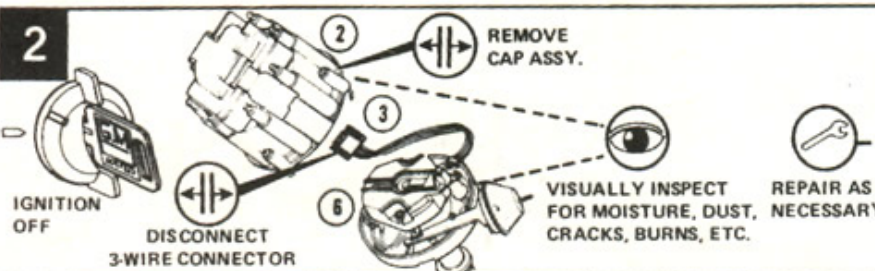
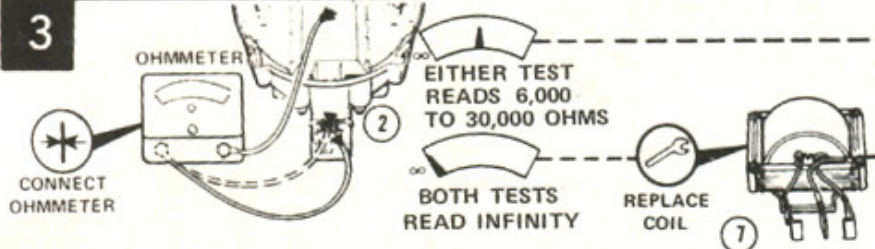
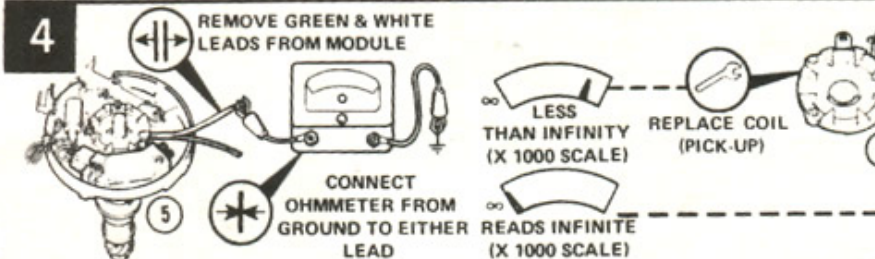


**Page Number:** 3-5

**Date:** June 1975 - Volume 47 - Number 6

Below is a valuable article for anyone that owns a 1975 Corvette. This information and related diagrams are not in the 1975 Corvette Factory Shop Manual.

## HIGH ENERGY IGNITION SYSTEM V8 engine

**PROBLEM: engine RUNS ROUGH or CUTS OUT**

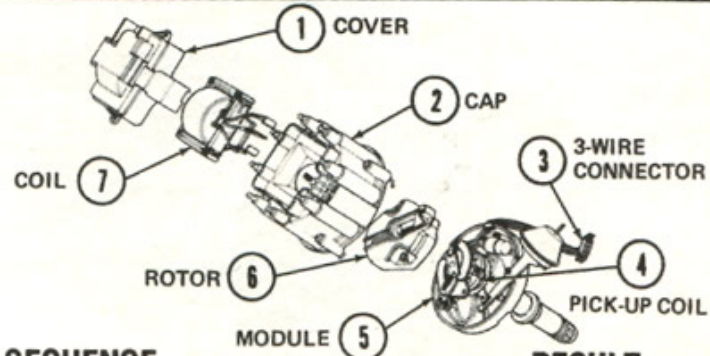
STEP	SEQUENCE	RESULT
1	 <p>CHECK SPARK PLUGS &amp; PLUG WIRES</p> <p>OK</p> <p>NO</p> <p>REPAIR OR REPLACE</p>	<p>2</p> <p>STOP</p> <p>RUNS SMOOTH</p> <p>2</p> <p>RUNS ROUGH</p>
2	 <p>IGNITION OFF</p> <p>DISCONNECT 3-WIRE CONNECTOR</p> <p>REMOVE CAP ASSY.</p> <p>VISUALLY INSPECT FOR MOISTURE, DUST, CRACKS, BURNS, ETC.</p> <p>REPAIR AS NECESSARY</p>	<p>STOP</p> <p>RUNS SMOOTH</p> <p>3</p> <p>RUNS ROUGH</p>
3	 <p>OHMMETER</p> <p>CONNECT OHMMETER</p> <p>EITHER TEST READS 6,000 TO 30,000 OHMS</p> <p>BOTH TESTS READ INFINITY</p> <p>REPLACE COIL</p>	<p>4</p> <p>STOP</p> <p>RUNS SMOOTH</p> <p>4</p> <p>RUNS ROUGH</p>
4	 <p>REMOVE GREEN &amp; WHITE LEADS FROM MODULE</p> <p>CONNECT OHMMETER FROM GROUND TO EITHER LEAD</p> <p>LESS THAN INFINITY (X 1000 SCALE)</p> <p>REPLACE COIL (PICK-UP)</p> <p>READS INFINITE (X 1000 SCALE)</p>	<p>STOP</p> <p>RUNS SMOOTH</p> <p>6</p> <p>RUNS ROUGH</p> <p>5</p>
5	 <p>CONNECT OHMMETER ACROSS 2 LEADS</p> <p>READS 500 TO 1500 OHMS</p> <p>DOES NOT READ 500 TO 1500 OHMS</p> <p>REPEAT STEPS 4 AND 5 WHILE MOVING VAC. ADVANCE WITH SCREW-DRIVER. IF READING IS STILL OK</p> <p>REPLACE COIL (PICK-UP)</p>	<p>6</p> <p>STOP</p> <p>RUNS SMOOTH</p> <p>6</p> <p>RUNS ROUGH</p>
6	 <p>CHECK MODULE WITH TESTER</p> <p>OK</p> <p>IF OK</p> <p>NO</p> <p>IF NOT OK</p> <p>REMOVE AND REPLACE MODULE</p>	<p>REPEAT STEPS 1 THRU 5</p> <p>STOP</p>





## HIGH ENERGY IGNITION SYSTEM V8 engine

**PROBLEM:**  
engine CRANKS but  
WILL NOT START

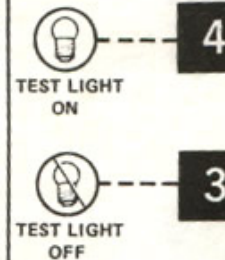
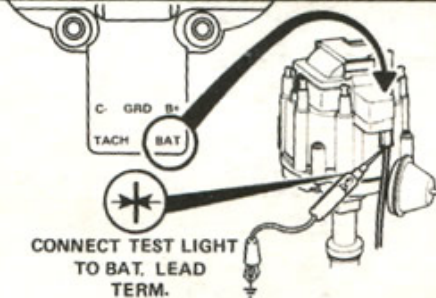
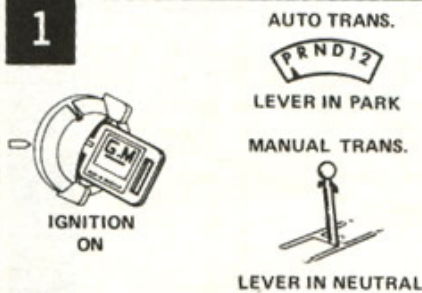


## STEP

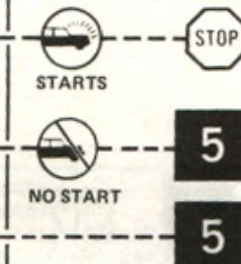
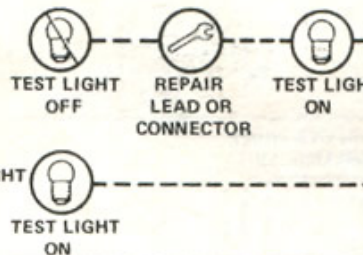
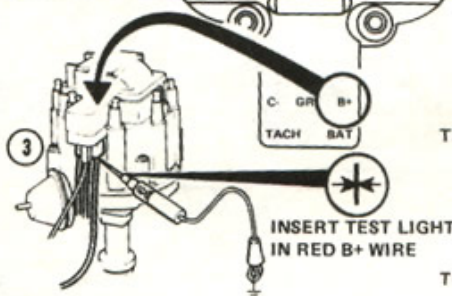
## SEQUENCE

## RESULT

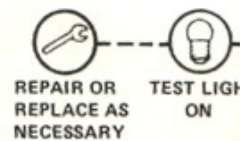
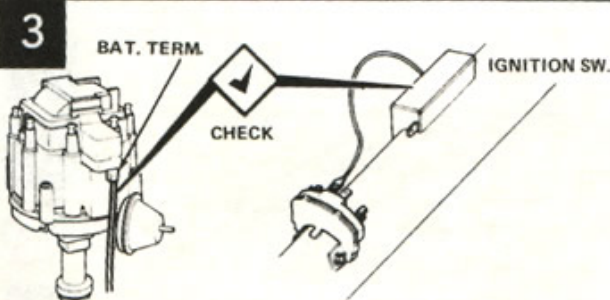
1



2



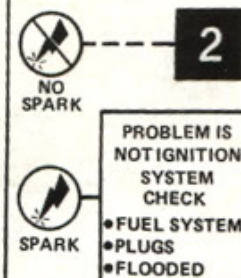
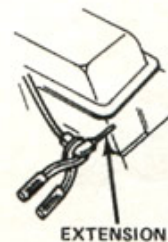
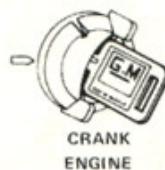
3



4

REMOVE A SPARK PLUG WIRE,  
INSERT EXTENSION AND  
PERFORM SPARK TEST

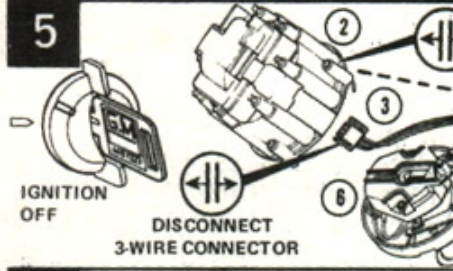



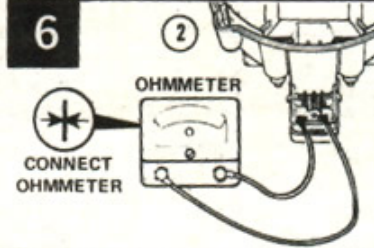



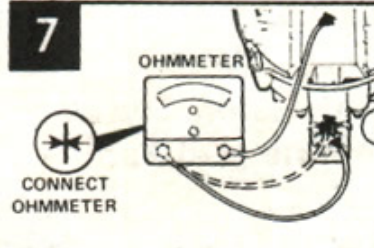



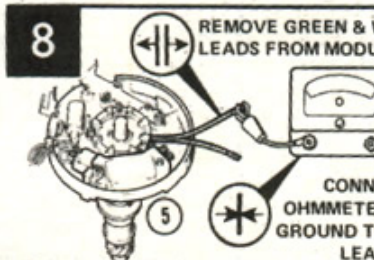



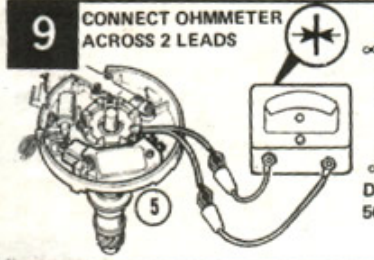



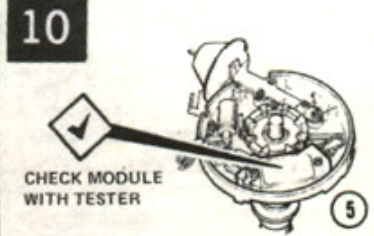
USING INSULATED PLIERS  
HOLD SPARK PLUG WIRE 1/4"  
AWAY FROM ENG. BLOCK  
WHILE CRANKING ENGINE

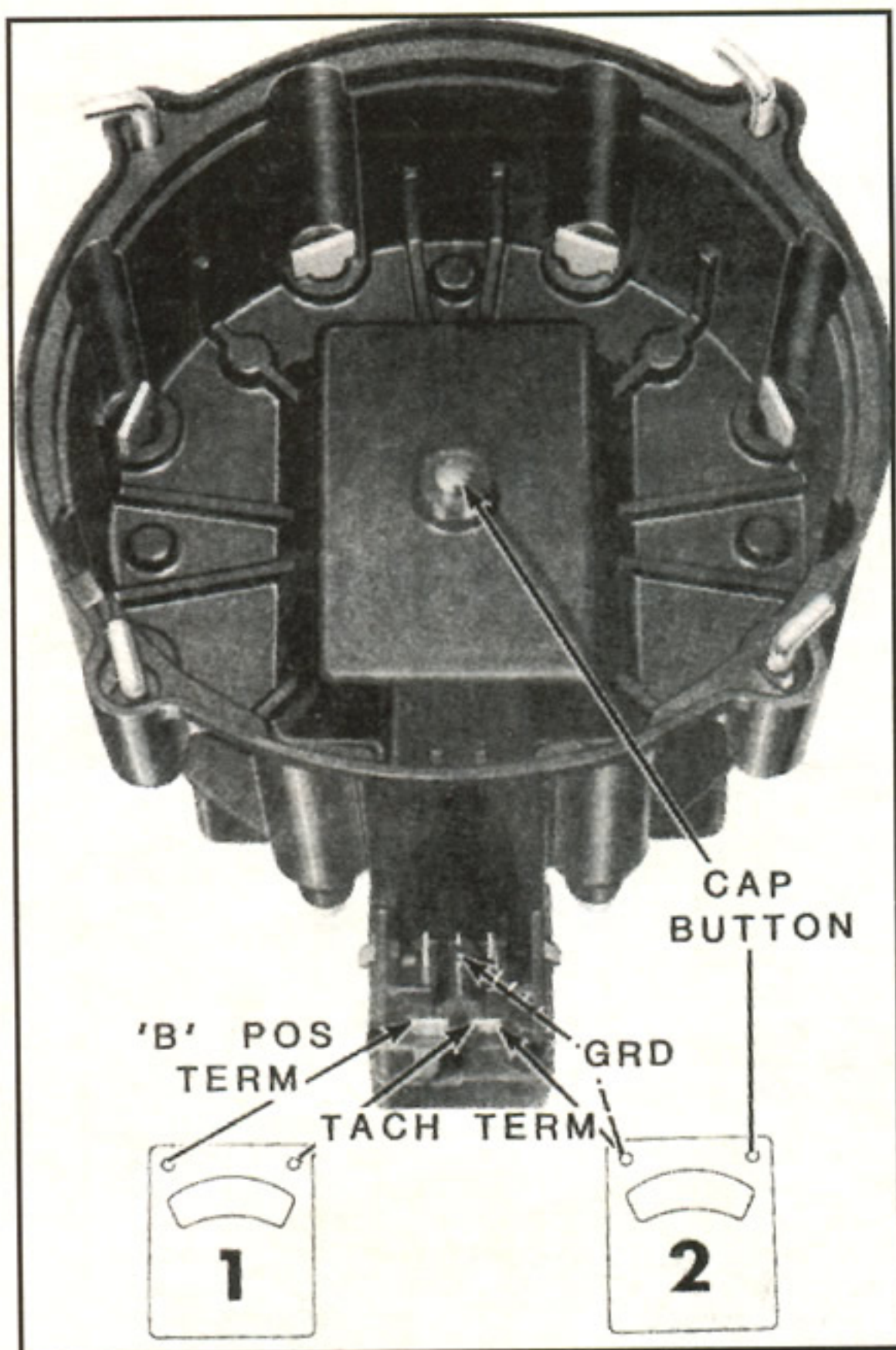


PROBLEM IS  
NOT IGNITION  
SYSTEM  
CHECK  
• FUEL SYSTEM  
• PLUGS  
• FLOODED



## HIGH ENERGY IGNITION SYSTEM V8 engine

STEP	SEQUENCE	RESULT
5	 <p>IGNITION OFF</p> <p>DISCONNECT 3-WIRE CONNECTOR</p> <p>REMOVE CAP ASSY.</p> <p>VISUALLY INSPECT FOR MOISTURE, DUST, CRACKS, BURNS, ETC.</p> <p>REPAIR AS NECESSARY</p>	<p>STARTS  STOP </p> <p>NO START  6</p>
6	 <p>OHMMETER</p> <p>CONNECT OHMMETER</p> <p>READS ABOVE 1 OHM (X 1 SCALE)</p> <p>REPLACE COIL</p> <p>READS 0 TO 1 OHM (X 1 SCALE)</p>	<p>STARTS  STOP </p> <p>NO START  7</p>
7	 <p>OHMMETER</p> <p>CONNECT OHMMETER</p> <p>EITHER TEST READS 6,000 TO 30,000 OHMS</p> <p>BOTH TESTS READ INFINITY</p> <p>REPLACE COIL</p>	<p>STARTS  STOP </p> <p>NO START  8</p>
8	 <p>REMOVE GREEN &amp; WHITE LEADS FROM MODULE</p> <p>CONNECT OHMMETER FROM GROUND TO EITHER LEAD</p> <p>LESS THAN INFINITY (X 1000 SCALE)</p> <p>REPLACE COIL (PICK-UP)</p> <p>READS INFINITE (X 1000 SCALE)</p>	<p>STARTS  STOP </p> <p>NO START  9</p>
9	 <p>CONNECT OHMMETER ACROSS 2 LEADS</p> <p>READS 500 TO 1500 OHMS</p> <p>DOES NOT READ 500 TO 1500 OHMS</p> <p>REPEAT STEPS 8 AND 9 WHILE MOVING VAC. ADVANCE WITH SCREW-DRIVER. IF READING IS STILL OK</p> <p>REPLACE COIL (PICK-UP)</p>	<p>STARTS  STOP </p> <p>NO START  10</p>
10	 <p>CHECK MODULE WITH TESTER</p> <p>OK IF OK</p> <p>IF NOT OK</p> <p>REMOVE AND REPLACE MODULE</p>	<p>REPEAT STEPS 5 THRU 9</p> <p>STOP</p>



Online URL:

<https://www.corvetteactioncenter.com/tech/knowledgebase/article/1975-corvette-service-news-high-energy-ignition-system-service-update-1079.html>