

# SERVICE BULLETIN



M-910

September 17, 1985

## EVOLUTION 1100cc SPORTSTERS VACUUM OPERATED ELECTRIC SWITCH

### General

On 1986 1100cc Sportsters, a mid-year production change has rerouted the Vacuum Operated Electric Switch, ground wire, to a different mounting location. The new location for anchoring the ground wire improves electrical conduction to ground. All 1100cc vehicles produced after VIN 1HD1CAN10GY115548 have this change. Motorcycles with an earlier VIN may also require this change. Improper grounding of the Vacuum Operated Electric Switch will cause erratic idle, poor low speed operation

or difficulty in locating the ignition timing mark.

### Relocating Procedure (Figure 1)

1. Remove V.O.E.S. mounting bolt (8), washer (7) and nut (4).
2. Disconnect V.O.E.S. ground wire (6) and washer (9) from bolt (8). Attach V.O.E.S. switch to bracket (1) with bolt (8) washer (7) and nut (4). Tighten nut (4) to a torque of 20 ft lbs.

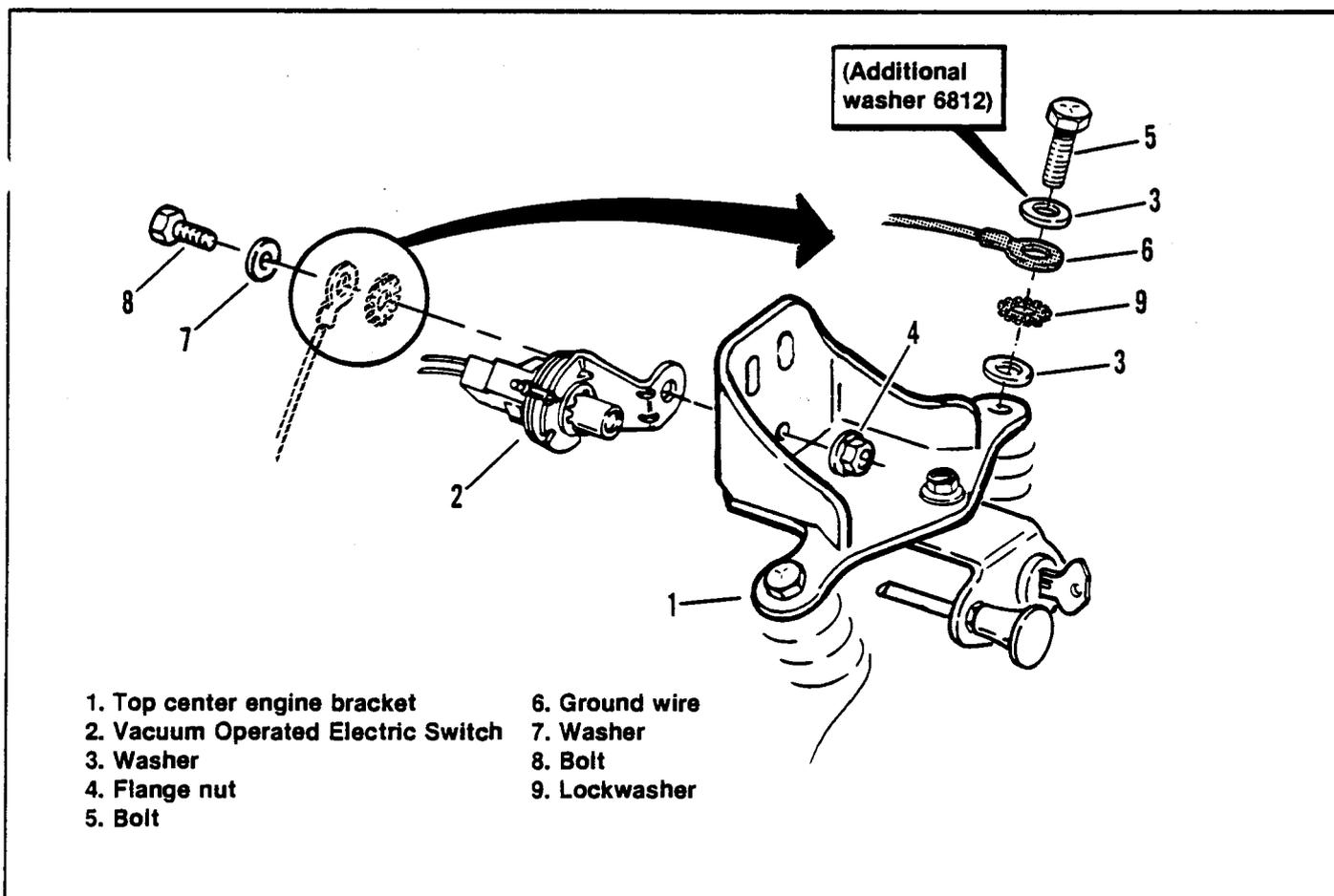


Figure 1. Relocating Ground Wire Mount

ROUTING:	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	CHIEF MECHANIC	MECHANIC NO. 1	MECHANIC NO. 2	MECHANIC NO. 3	MECHANIC NO. 4	RETURN THIS TO:
INITIAL HERE									

### **CAUTION**

**Check to be sure V.O.E.S. does not contact engine rocker box. Normal engine vibration and heat could damage switch.**

3. Remove the rear cylinder bracket bolt (5) and washer (3).
4. Place an additional washer HD Part No. 6812 on bolt (5), followed by ground wire (6), washer (9) and original washer (3). Thread bolt (5) into cylinder and

tighten to a torque of 21-27 ft lbs.

### **CAUTION**

**Check to be sure ground wire is not contacting engine rocker box. Normal engine vibration and heat could damage switch wire.**

Upon completion of this modification, submit a properly completed warranty claim form, using labor code 5386. You will be credited 0.2 hours labor for each modification completed.