



## INSTALLATION INSTRUCTIONS

**P/N 53730 & 53735**

(EZ Fit Starter for 1965-1988 Big Twin Harley Davidson's®)

### Parts List:

- (1) Compu-Fire Starter
- (2) 1/4-20 X 3/4" Socket Head Cap Screw
- (2) 10-24 X 3/4" Socket Head Cap Screw

### **READ THESE INSTRUCTIONS COMPLETELY BEFORE BEGINNING INSTALLATION!**

**NOTE:** Refer to the Factory Shop Manual electrical section for safety instructions prior to performing any repairs or installations of electrical components.

**CAUTION!** ALWAYS DISCONNECT THE BATTERY CABLES BEFORE PERFORMING ANY ELECTRICAL SYSTEM REPAIRS OR MODIFICATIONS. THIS WILL PREVENT DAMAGE TO THE ELECTRICAL SYSTEM OR ACCIDENTAL STARTING OF THE MOTORCYCLE IN CASE OF AN ELECTRICAL ARC CAUSED BY SHORTING THE BATTERY POWER TO GROUND.

**WARNING!** SEVERE DAMAGE TO THE ELECTRICAL SYSTEM OR PERSONAL INJURY MAY OCCUR BY NOT FOLLOWING THE ABOVE SAFETY INSTRUCTIONS.

### **Step #1 STARTER REMOVAL:**

1. Disconnect the Battery Cables from the battery, always disconnect the negative cable first.
2. Remove the Nut that connects the battery cable to the starter and remove the cable.
3. Loosen the two long bolts that mount the starter to the starter gearbox housing and then remove the starter from the motorcycle.



4. Clean the starter gearbox Housing where the starter mounts.



## **Step #2 STARTER INSTALLATION:**

5. Loosen the two long mounting bolts on the New Compu-Fire starter and carefully remove the front housing from the starter – **CAUTION:** Be careful to NOT remove the armature and housing from the rear brush housing of the starter.



6. Install the Compu-Fire front housing to the starter gearbox on the primary. There are four sets of holes and two sets of screws. Orientate the holes that will allow the starter to be installed with the battery post in the same location as the original starter. Use the supplied screws that match the thread in the starter gearbox on your bike.



7. Install the starter. Carefully slide the starter into position keeping the armature and housing together with the brush housing. Start the two long bolts and tighten evenly alternating back and forth - torque to 49 in. lbs. **DO NOT USE AIR TOOLS ON THESE SCREWS!**
8. Install the battery cable and tighten the nut on the starter motor stud - **DO NOT OVERTIGHTEN ~ WARRANTY WILL BE VOID IF OVERTIGHTENED AND STARTER IS INTERNALLY SHORTED OUT.**



9. Reconnect the battery cables and test the starter. Never run a starter for more than 20 seconds at a time as this will overheat the starter and can cause it to burn out. If the bike does not start within 20 seconds, allow the starter to cool before trying again.

**For technical assistance call 909/547-9058**

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#### LIMITED WARRANTY

PerTronix, LLC. Warrants to the original Purchaser of its solid-state ignition system (product) that the module, trigger rotor and wiring (components) shall be free from defects in material and workmanship for a period of (12) months from the date of purchase.

If within the period of the foregoing warranty PerTronix finds, after inspection, that the product or any component thereof is defective, PerTronix will, at its option, repair such products or component or replace them with identical or similar parts PROVIDED that within such period Purchaser Promptly Notifies PerTronix, in writing, of such defects.