

HAMMER·HEAD®

MOTOR TROUBLESHOOTING GUIDE - BASIC

PROBLEM	CAUSE	DO THIS
MOTOR DOES NOT RUN AT ALL BUT BATTERY IS KNOWN TO BE GOOD, HAS A FULL CHARGE, AND IS BEING CHARGED DAILY AT A MINIMUM OF 6 AMPS	POWER NOT GETTING TO MOTOR DUE TO FAULTY SWITCH, BATTERY CONNECTIONS ARE BAD, OR THERE IS A BREAK IN THE WIRE	CHECK ALL CONNECTIONS FIRST! CHECK TO SEE IF 30AMP FUSE HOLDER IS PRESENT. CHECK THE FUSE. IF ALL CONNECTIONS ARE GOOD, THEN BY-PASS THE SWITCH AND WIRE THE HEAD DIRECTLY TO THE BATTERY - IF IT RUNS, THEN THE PROBLEM IS WITH THE SWITCH. IF IT DOES NOT RUN, THEN THERE IS A BREAK IN THE WIRE OR A MOTOR SHORT
PROBLEM	CAUSE	DO THIS
VACUUM RUNS STRONG BUT BATTERY DRAINS AFTER A FEW POOLS. THE NEXT DAY IT DOES THE SAME THING.	BATTERY PROBLEMS: 1. BATTERY WATER IS LOW OR BATTERY IS OLD 2. BATTERY CONNECTIONS ARE WEAK OR CORRODED 3. UNDERCHARGING - BATTERY NOT GETTING FULL CHARGE OR IS NOT BEING CHARGED DAILY AT A MINIMUM 6AMP OUTPUT	CHECK ALL CONNECTIONS FIRST! CHARGE BATTERY AT A MINIMUM OF 6 AMPS EVERY DAY. NO TRICKLE CHARGING! HAVE YOUR BATTERY CHECKED CHECK THAT YOUR CHARGER IS CHARGING. A FULLY CHARGED 12 VOLT BATTERY WILL TEST AT MORE THAN 13 VOLTS.
PROBLEM	CAUSE	DO THIS
SLUGGISH OVERALL MOTOR PERFORMANCE VACUUM DOES NOT RUN AS STRONG AS WHEN IT WAS NEW VACUUM IS GETTING SLOWER AND WEAKER EVERY DAY	EXCESSIVE DEBRIS UNDER PROP BAD WIRING CONNECTIONS BATTERY PROBLEM (SEE ABOVE)	REMOVE PROP AND CLEAN DEBRIS OFF SHAFT CHECK ALL ELECTRICAL CONNECTIONS FOR HEAT. IF THEY ARE HOT WHILE THE VACUUM IS RUNNING UNDERWATER, REPLACE OR RESET BATTERY CONNECTIONS HEAT INDICATES POWER LOSS, WHICH RAINS POWER AND SHORTENS BATTERY LIFE CONTACT HAMMERHEAD FOR SERVICE OR REPLACE THE MOTOR/CORD ASSEMBLY