TROUBLE SHOOTING CHECKLIST (Caution: shut off power to pump)

PROBLEMS	POSSIBLE CAUSES	CORRECTIVE ACTION
PUMP WILL NOT START OR RUN	1. Tripped home electrical breaker 2. GFCI tripped 3. Low line voltage 4. Defective motor 5. Dirty switch 6. Impeller obstructed 7. Inlet screen or strainer clogged 8. Priming hole plugged	1. Reset breaker 2. Check for damaged wiring or moisture 3. Contact electrician 4. Replace pump 5. Rinse out switch with clean water 6. Remove strainer, base, and impeller plate (Figure1) check for debris; clean 7. Clean inlet screen and debris strainer 8. Clean hole, inside volute housing, with a pin or paper clip (Figure 1)
PUMP STARTS AND STOPS TOO OFTEN	1. Back flow of water from piping 2. Dirty switch 3. Pump is sitting uneven on pool or spa cover	1. Install or replace check valve 2. Rinse out switch with clean water 3. Reposition pump so pump sits level on cover
PUMP WILL NOT SHUT OFF OR RUNS CONTINUOUSLY	1. Debris in switch 2. Discharge height exceeds capability	1. Rinse out switch with clean water (Fig 2) 2. Reduce discharge height
PUMP OPERATES BUT DELIVERS LITTLE OR NO WATER	1. Impeller obstructed 2. Obstructed hose 3. Discharge height exceeds capability 4. Strainer clogged	1. Remove strainer, base, and impeller plate, check for debris; clean 2. Check for kinks, reposition hose or check for debris 3. Reduce discharge height 4. Unplug pump. Remove strainer and rinse with clean water to remove debris

ELECTRICAL PRECAUTIONS

⚠WARNING Before servicing a pump, always shut off the main power breaker and then unplug the pump. Make sure you are not standing in water and are wearing insulated protective sole shoes, under flooded conditions. Contact your local electric company or a qualified licensed electrician for disconnecting electrical service prior to pump removal