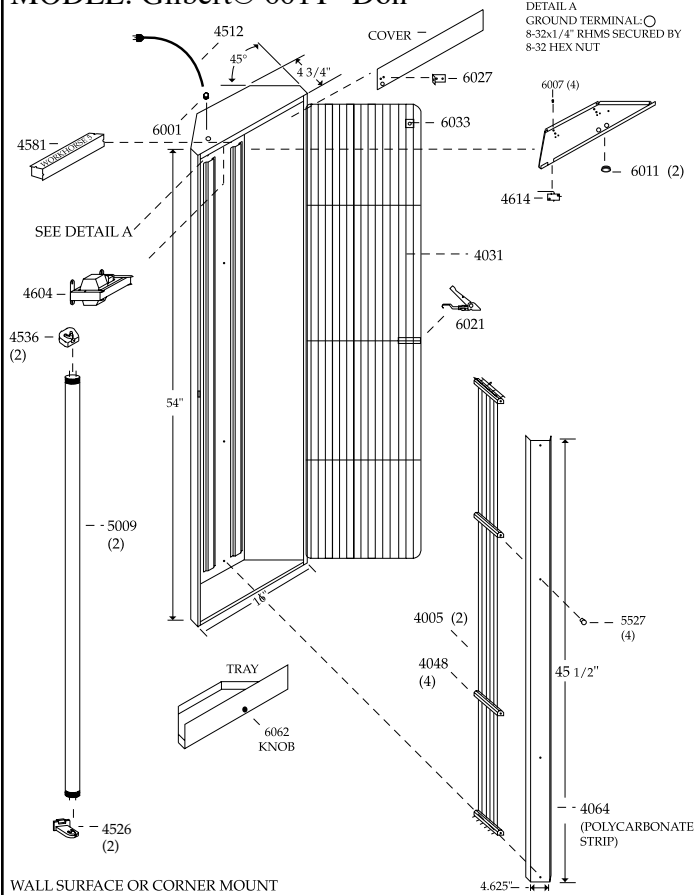
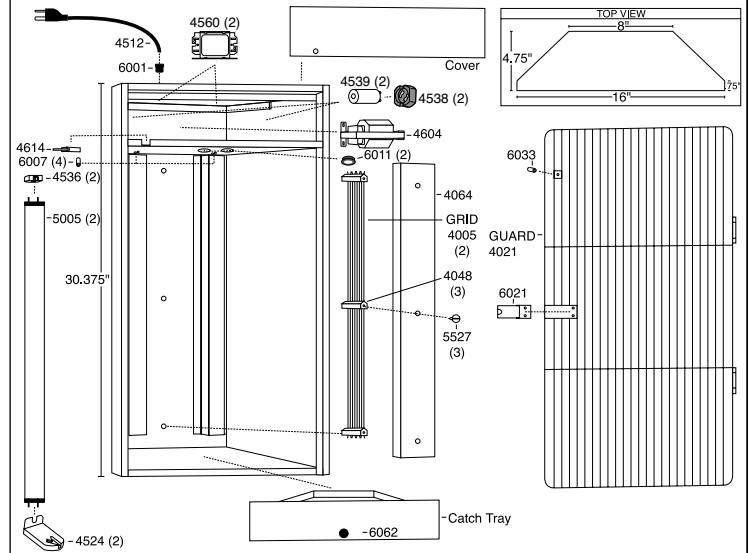


MODEL: Gilbert® 601T "Don"

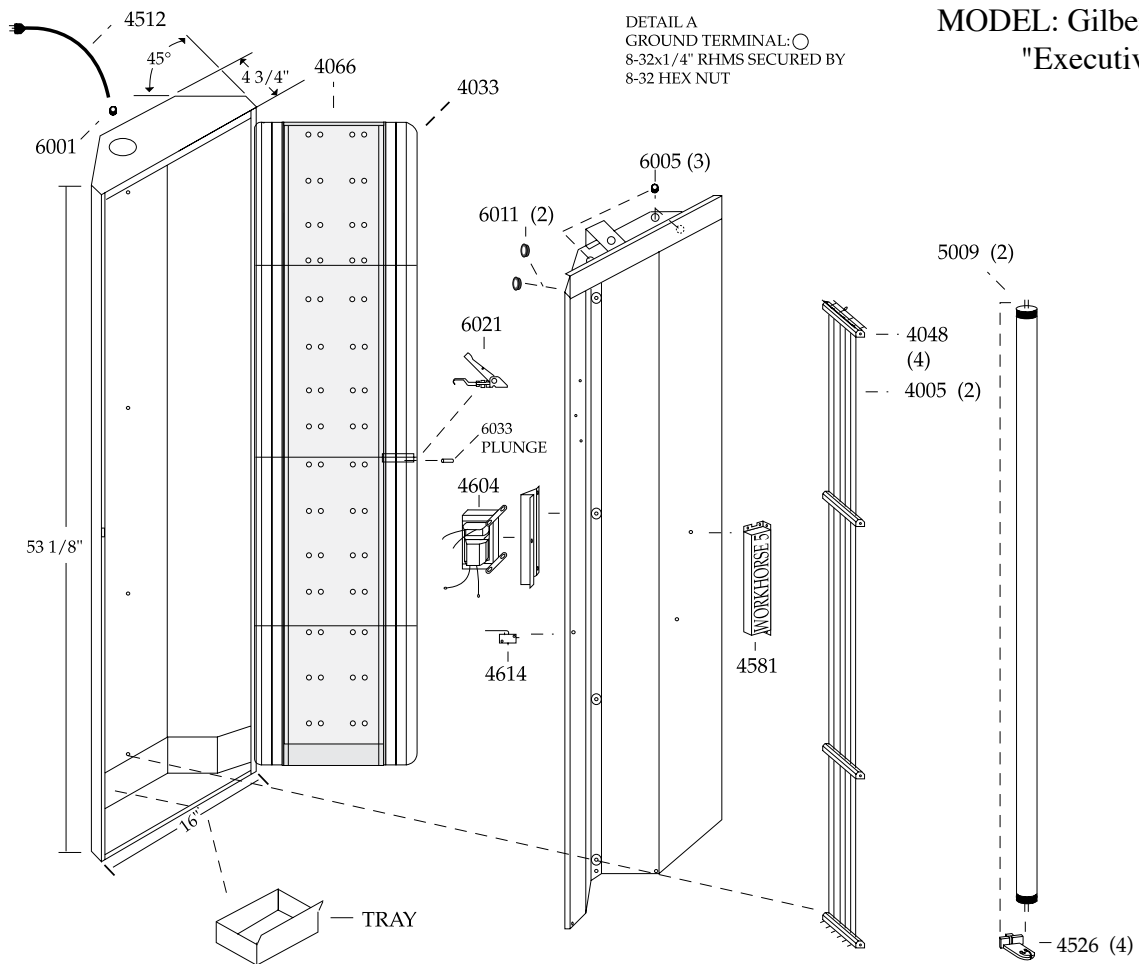


MODEL: Gilbert® 601TJ "Junior"

See Parts List (Page 16) For Part Descriptions



MODEL: Gilbert® 601E "Executive"



TROUBLESHOOTING GUIDE

**All repairs must be performed by qualified personnel. Repair can be accomplished with a few simple tools.
Do not attempt any major repair without consulting the factory.**

PROBLEM	PROBABLE CAUSE	CORRECTION
Lamp Flickers	1. Not grounded. 2. Bad Starter.	1. Remove lamp from its socket. Reverse ends and replace in socket. (Turn lamp upside down). 2. Replace Starter (Models 1998GT, 1999GT, 2000GT, 2002GT, 2012GT, 219GT, 220, 225GT & 601TJ).
No lights or voltage to the grid.	1. Not plugged in to a live receptacle. 2. Loose connections. 3. Faulty line cord. 4. Interlock switch.	1. Check fuse or circuit breaker. 2. Check connections from line cord. 3. Repair or replace. 4. Check actuator for proper closure on guard or tray.
Lights but no voltage to grid.	1. Shorted grid wires. 2. Loose connection. 3. Faulty transformer.	1. Disconnect power. Examine grid wires to verify that no two wires are touching each other. Be sure there is sufficient gap between two wires. Bend back into alignment. 2. Disconnect power. (a) Make sure high-voltage leads are connected to the grid lugs. (b) Remove the unit's cover by drilling out rivets (on Model 601C see specific instructions for removing inner-body on page 4). Check all connections to and from transformer then retest. 3. Replace (See schematic).
No lights, but voltage to grid (if one).	1. Temp. under 70 degrees F. 2. Lamps not seated properly. 3. Cracked lamp socket. 4. Loose connection. 5. Burned out lamp(s). 6. Faulty ballast. 7. Bad Starter	1. Arc the grid with screwdriver. 2. Check all sockets for proper seating and alignment. 3. Replace. 4. (a) Remove cover by drilling out rivets (on Model 601C see specific instructions for removing inner-body on page 4). Check all connections to and from ballast. 5. Replace. 6. Replace ballast (see Schematic). 7. Replace Starter (1998GT, 1999GT, 219GT, 601GT, 220, 225GT, 601TJ, 2000GT, 2002GT, 2012GT).
Intermittent or continuous arcing between grid wires.	1. Gap between grid wires is not sufficient. 2. Foreign material stuck on grid or insulator(s). 3. Excessive line voltage. 4. Cracked insulator. 5. Moisture.	1. Unplug unit and bend grid wires into alignment. 2. Remove any and all material from grid or insulator(s). 3. Unit specifically designed to operate on either 120 volt, 60HZ, or 230volt, 50HZ. Check line voltage. 4. Check for hairline cracks or breaks. Replace if cracked. 5. Allow unit to operate until dry. Intermittent arcing will continue until completely dry.

PARTS LIST - 120V, 60HZ (See Reference Drawings For Parts Locations)

MODEL	711	601T	601TJ	601E	220	607	705	605	2000GT	2002GT	1999GT/ 2012GT	2004GT	225GT	601GT	219GT	747GT
TRANSFORMER	4604	4604	4604	4604	4604	4604	4604	4604								
BALLAST	4581	4581	4560	4581	4560	4581	4581	4581	4560	4560	4560	4560	4560	4560	4560	4581
LAMP	5009	5009	5005	5009	5005	5009	5009	5009	5005	5005	5003	5005	5005	5005	5005	5009
SWITCH	4614	4614	4614	4614	4614	4614	4614	4614								
INSULATOR	4049	4048	4048	4048	4049	4048	4049	4049								
LAMPHOLDER	4528-S	4526	4524	4526	4528	4528-S	4528-S	4528-S	4524	4524	4524	4524	4528	4528	4528	4528-S
LAMPHOLDER	4530-S	4536	4536		4530	4530-S	4530-S	4530-S					4530	4530	4530	4530-S
GRID	4010	4005	4005	4005	4010x	4005	4010	4010								
GUARD	4041	4031	4021	4033	4041	4037	4041	4039					4044	4021	4043	4041
DIFFUSER				4066												
DEFLECTOR		4064	4064													
CORD	4512	4512	4512	4512	4512	4512	4512	4512	4515	4515	4515	4515	4512	4512	4512	4512
HANDLE					6064										6064	
FEET					6049										6049	
KNOB	6062	6062	6062		6062	6062	6062	6062							6062	6062
STARTER			4539		4539				4539	4539	4539	4539	4539	4539	4539	
TRAY PEG												6033-1	6033-1			
GLUEBOARD									4219	4220	4219	4220	4220	4220	4220	4220