WIDDER TOOLS

Industrial Manufacturing Solutions

18405 Pneumatic ‘Gator’ Saw

PRODUCT INFORMATION AND OPERATING INSTRUCTIONS

Description: The **18405** Pneumatic ‘Gator’ Saw is an air-powered, heavy-duty reciprocating saw for cutting and demolition. This saw uses standard reciprocating saw blades.

Cutting Capacity: 1-1/2” under blade length

Specifications:1.5HP @ 45 CFM at optimal 105-110 PSI
1” Stroke – Variable Speed (0-1800 Strokes/Minute)

Weight: 10. 5 lbs.

IMPORTANT: READ MANUAL CAREFULLY BEFORE OPERATING THIS TOOL. FOLLOW ALL SAFETY PRECAUTIONS LISTED AND ALL OSHA REGULATIONS PERTAINING TO THIS TOOL.

SAFETY PRECAUTIONS:

Warning: When using air tools, basic safety precautions should always be followed to reduce the risk of injury, including the following:

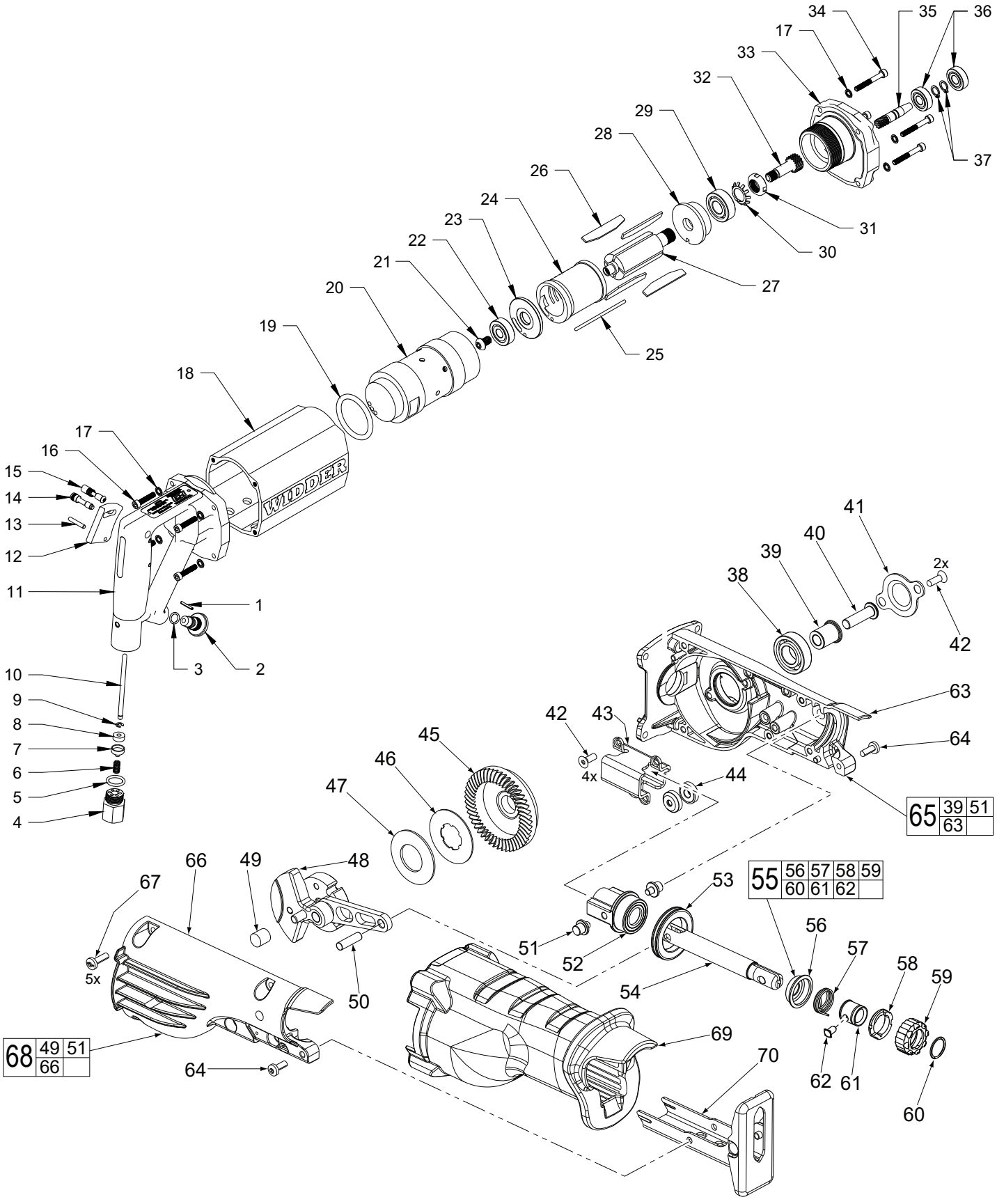
1. **Avoid accidental starting.**
    - Keep throttle shutoff closed when transporting or repositioning
2. **Disconnect Machine**.
    - This tool should be disconnected when not in use. If air is shutoff, tool should be discharged of any stored air pressure.
3. **Maximum Air Pressure**
    - Maximum air pressure is 135 PSI.
    - Use clean, lubricated, regulated air.
4. **Protect Airlines**
    - Avoid using excessive length airlines. Extended airlines reduce tool power and are a working hazard.
    - Inspect all airlines for safe condition before use.
5. **Maintain Tool.**
    - Use sharp blades and keep Saw clean for optimum performance.
    - Keep handles clean, dry and free from oil and grease.
    - This tool, like all air tools, will provide best performance with lubrication.
    - Use **WIDDER** Air Tool Lube for best performance
6. **Do not force tool.**
    - Use tool pressed firmly against reaction plate.
    - Cut should be performed with adequate force to develop chips during cutting but not so as to stall the tool under load.
7. **Support work piece**
    - Be sure to support the work piece on both sides of any cut. An unsupported work piece can sag, pinching the blade and causing the blade to break or shatter.
8. **Dress properly.**
    - Do not wear loose clothing or jewelry as they can be caught in moving parts.
    - Work gloves and non-skid footwear are recommended.
    - Wear ear protection.
    - Wear safety glasses.
9. **Maintenance.**
    - Maintenance should be performed by a **WIDDER** Factory Authorized Service Representative.
10. **Replacement Parts.**
    - When servicing, use only genuine **WIDDER** replacement parts from an authorized distributor.

OPERATING INSTRUCTIONS:

Warning: Operator should be thoroughly familiar with safety precautions before attempting to operate this tool.

1. Install saw blade by twisting blade locking mechanism, inserting blade and releasing.
2. Start saw and adjust throttle speed to material speed specifications.
3. Manually feed blade into cut, applying enough pressure to produce chips shaped like small 6 or 9 shaped pieces. Adjust saw speed to compensate for load if required.
4. Keep reaction plate against work-piece to reduce vibration.
5. If possible, apply lubricant, water, or air blast to cut. This will extend blade life, speed cutting time, and keep the blade and work piece cool.
6. **CAUTION:** No steel cutting blade can cut without the chance of heat or sparks. Do not use tool in explosive environments without following all industry accepted practices for safe power tool and metal working operation.
7. Lubricate after use. Apply small amount of air tool or water displacing light spindle oil into throttle intake, reconnect tool and run for 10 seconds before disconnecting for storage

WIDDER Pneumatic Speed Saw #18405



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(203) 777-5395

WIDDER Pneumatic Speed Saw
#18405

Item	Part #	MFG #	Description	Qty
1	18734	33-1029	Throttle Retention Pin	1
2	18317	01-1223	Throttle Screw	1
3	18318	01-1227	O-Ring	1
4	18674	33-1005	Inlet Adaptor	1
5	18682	33-1014	O-Ring (Inlet)	1
6	18310	STA-709	Spring (Throttle)	1
7	18311	01-1224	Seal Cup	1
8	18312	STA-707	Seal (Throttle)	1
9	18676	33-1007	E-Clip	1
10	18675	33-1006	Trigger Rod	1
11	18665	33-1001	Handle	1
12	18763	33-1024	Trigger (Lockout)	1
13	18678	33-1009	Trigger Pivot Pin	1
14	18730	33-1025	Trigger Retention Pin	1
15	18719	33-0011	Lockout Pin Assy.	1
16	18684	33-1017	Screw (Handle End)	4
17	18686	33-1019	Lock Washer	8
18	18672	33-1003	Cover	1
19	18679	33-1010	O-Ring (Motor)	1
20	18687	33-1020	Air Motor Body	1
21	18072	01-1088	Screw	1
22	18071	02-1011	Ball Bearing	1
23	18069	01-1140	Rear Plate	1
24	18067	01-1096	Cylinder	1
25	18068	01-1145	Cylinder Pin	1
26	18065	01-1144	Vane (Set of 4)	1
27	18066	01-1097	Rotor	1
28	18064	01-1092	Front End Plate	1
29	18063	01-1084	Ball Bearing	1
30	18062	01-1138	Lock Washer	1
31	18061	01-1137	Lock Nut	1
32	18680	33-1011	Air Motor Gear	1
33	18671	33-1002	Front End Plate	1
34	18685	33-1018	Screw (Nose End)	4
35	18790	33-2012	Double Pinion	1

Item	Part #	MFG #	Description	Qty
36	18788	33-2021	Ball Bearing	2
37	18789	33-2022	Retaining Ring	2
38	18238	33-2038	Ball Bearing	1
39	18239	33-2039	Spacer	1
40	18240	33-2040	Drive Hub Bolt	1
41	18241	33-2041	Bearing Retaining Plate	1
42	18242	33-2042	T-20 Screw	1
43	18243	33-2043	Orbit Slot	1
44	18244	33-2044	Rollers	2
45	18245	33-2045	Gear	1
46	18246	33-2046	Metal Plate	1
47	18247	33-2047	Disc Spring	1
48	18248	33-2048	Crankshaft Assembly	1
49	-	-	Bushing	1
50	18250	33-2050	Pin - Connecting Rod	1
51	18251	33-2051	Pivot Pin	2
52	18252	33-2052	Front Bushing Assembly	1
53	18253	33-2053	"H" Seal	1
54	18254	33-2054	Spindle	1
55	18669	33-1203	Blade Clamp Assy.	1
56	-	-	Spring Cover	1
57	-	-	Torsion Spring	1
58	-	-	Rear Cam	1
59	-	-	Front Cam	1
60	18260	33-2060	Retaining Ring	1
61	-	-	Sleeve	1
62	-	-	Lock Pin	1
63	18263	33-2063	Gearcase - Left	1
64	18264	33-2064	T-25 Screw	2
65	18265	33-2065	Left Gearcase Assembly	1
66	18266	33-2066	Gearcase - Right	1
67	18267	33-2067	T-25 Screw	5
68	18268	33-2068	Right Gearcase Assembly	1
69	18269	33-2069	Rubber Boot	1
70	18270	33-2070	Shoe Assembly	1

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