

Tumbler turns
ignition sparks
no flame

Gas supply

Make sure gas supply is working

Gas pressure

Make manometer check of gas pressure
for 3 .5" W.C. or more at supply side

Spark electrode

Check electrode for damage to electrode
or mounting

Gas valve

Check coil continuity,replace valve if bad

Slow drying

Thermostat

What is temperature set at on control

Air flow

Restrictions follow installation guidelines
for static back pressure and make up air

Lint screen

Clean screen

Exhaust

Check complete exhaust system for
excessive back pressure in the duct work.
No more than .3 static pressure, at rear
outlet

Makeup air

Check for adequate makeup air
(1.5 sq. Ft.)

Temp sensor

Clean or replace sensor if necessary

Gas Check gas pressure at burner
(3.5"W.C.) while burning

Blower Impeller
& Motor

Check impeller for operation and
check mounting set screw

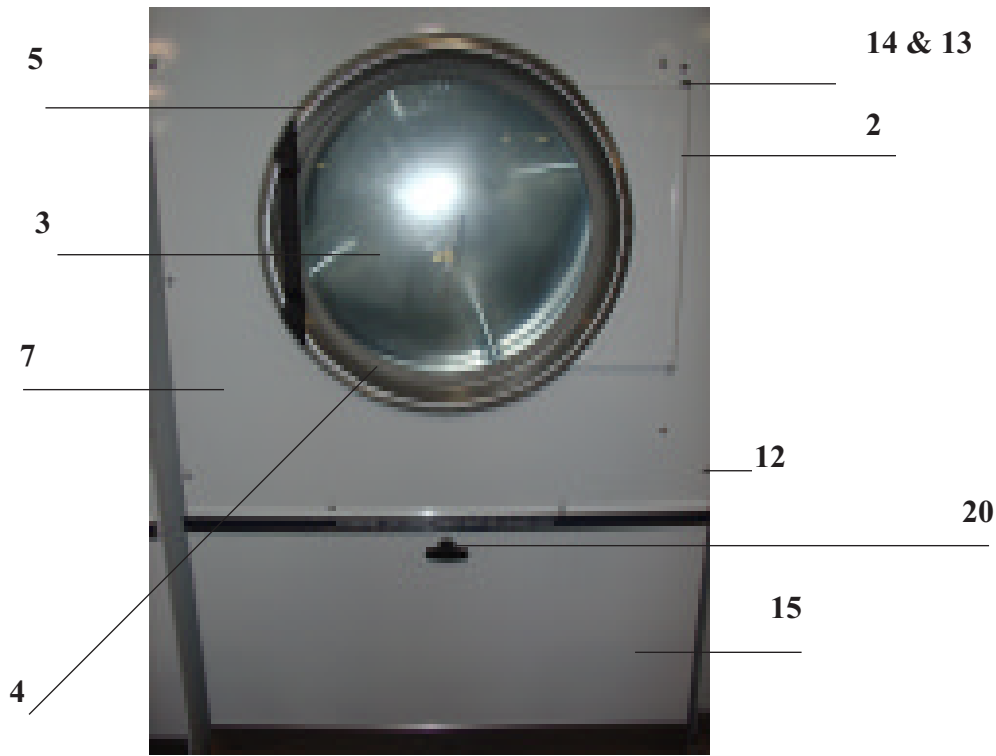
Section 6

Parts Data

CABINET GROUP

Key	Part Number	Description	Qty.
*	9960-256-021	Door Assy., Loading Complete-Wht	1
*	9960-256-025	Door Assy., Loading Complete-SS	1
1	9960-255-007	Door Assy.ONLY, Loading-SS	1
2	9982-280-002	Plate Assy., Hinge (Wht)	1
2	9982-280-011	Plate Assy., Hinge (SS)	1
*	9545-012-015	Screw, Hinge to Door 10-32 x 3/8"	4
*	8640-413-002	Nut, Hinge to Door #10-32 UNF	4
3	9212-002-003	Glass, Door	1
4	9206-164-009	Gasket, Glass	1
*	9548-117-000	Support, Door Glass (inside gasket)	1
5	9206-420-002	Gasket, Outer Rim	1
6	9244-082-001	Handle, Loading Door	1
*	9545-018-017	Screw, Handle 1/4"-13 x 1 1/4"	2
*	9531-033-001	Stud, Door Catch	1
*	8640-413-001	Nut, Hex	1
*	8640-413-003	Nut , Acorn # 10-32	1
*	9086-015-002	Catch, Loading Door	1
*	8638-190-009	Pop Rivet for mtg.catch	2
7	9989-460-003	Panel Assy., Front- white	1
7	9989-460-001	Panel Assy., Front- S. Steel	1
*	9277-049-001	Insulation Front Panel top	1
*	9277-049-002	Insulation Front Panel bottom	1
8	9108-100-004	Door, Upper Service-S.S	1
8	9108-100-006	Door, Upper Service-White	1
9	9578-090-002	Trim, Door-Upper Service	1
*	9491-007-002	Rivet- Semitubular	4
*	6292-006-006	Key (only) (FJWCC)	1
10	8650-006-003	Lock w/ nut, Upper Service Door	1
*	9206-176-000	Gasket Spacer	3
*	8638-211-001	Rivet, Drive	2
*	8641-581-005	Washer, Flat 3/16"	2
*	9548-243-002	Support, Upper Door	1
*	8502-617-001	Label "Made In USA"	1
11	9412-127-001	Nameplate, Industrial Dryer	1
12	9545-008-020	Screw, Chrome 10AB x 3/4"	10
*	8641-582-019	Lockwasher # 10	10
*	8640-399-001	Nut, Spring U type 10Z	6
13	9544-047-002	Strap, Hinge (White)	1
13	9544-047-007	Strap, Hinge (Gray)	1
*	9545-012-003	Screw, Hinge to Panel 10T-32 x 1/2"	4
14	9545-052-001	Screw, Door to Hinge Strap (special)	1
*	8641-436-003	Washer, Fiber/ Plastic	1

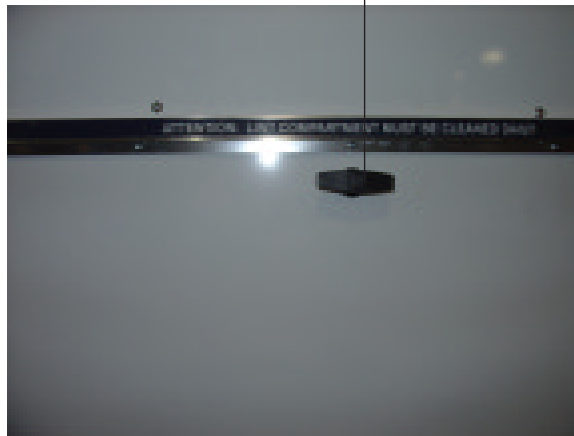
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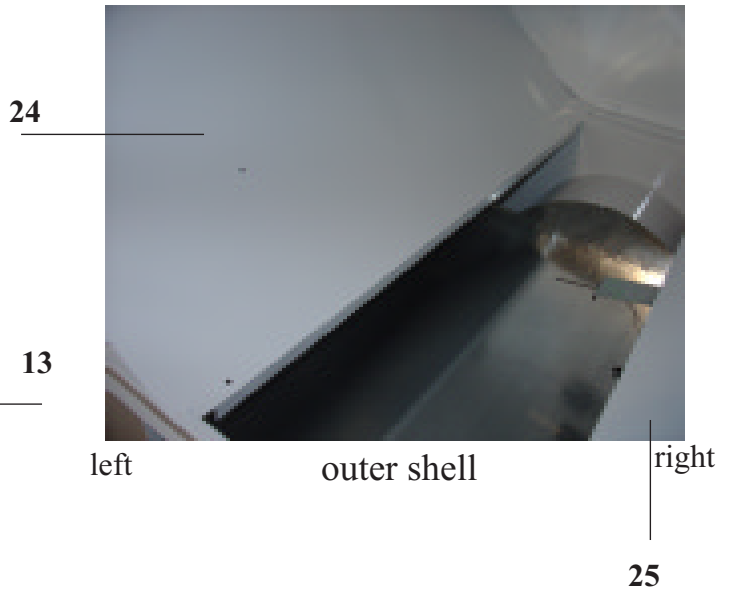


CABINET GROUP (continued)

Key	Part Number	Description	Qty.
15	9960-281-001	Door Ass'y, Lower Service-SS	1
15	9960-281-003	Door Ass'y, Lower Service-White	1
16	9578-088-001	Trim, Door - Lower Service	1
*	9435-016-003	Overlay-Trim Lower service door	1
17	9545-008-021	Screw,Pn Hd Cr., #10Bx3/8	5
*	9277-050-002	Insulation Lower Service Door	1
18	9578-084-002	Trim, Kick- Lower Service Door	1
19	9545-008-010	Screw, Tr Hd Cr-#10x1/2 Blk.....	3
20	9244-084-001	Handle Lower Service Door	1
*	8641-581-012	Washer flat 3/4x11/4	2
*	9206-176-000	Gasket spacer	2
*	8544-006-001	Leg, Leveling	4
24	9812-013-001	Baffle Assy., Cabinet- Left	1
25	9812-013-002	Baffle Assy., Cabinet- Right	1
*	9545-008-003	Screw, #10x1/2 TEK	8
*	9277-051-001	Insulation Side Panel	4
*	9277-047-001	Insulation Black 1/4"	1
*	9277-047-002	Insulation Black 1/4"	1
21	9074-273-001	Cover, Cabinet	1
22	9545-008-024	Screw	10
23	9801-084-001	Membrane switch assembly	1

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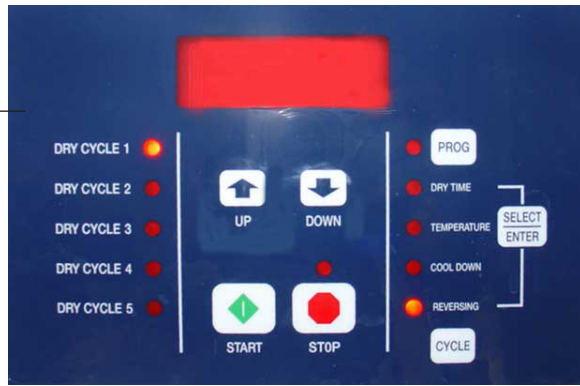


Control Housing Group

Key	Part Number	Description	Qty.
1	9471-015-001	Electronic Control	1
2	9538-157-015	Spacers, Circuit Board - #8 x 1/2	4
3	8639-621-007	Screw, #10-32x1/2 GRN.	1
3	8641-582-006	Lockwasher #10 ext tooth	1
4	8220-060-001	Wire Assembly Green 12"	1
5	8640-411-003	Nut, Keps - Circuit Board (for grounding)	4
6	9801-084-001	Switch Assy., Membrane	1
-	9857-136-001	Control Assembly # 1- # 6 above and #11 below included	1
7	9627-770-001	Harness, Wiring (Micro Reversing)	1
8	9501-004-002	Sensor, Temperature Thermistor	1
9	9627-679-002	Wiring Harness, Temperature Sensor	1
10	9029-111-001	Bracket, Sensor Mounting	1
*	9545-045-005	Screw Mtg.sensor 8Bx1/4	1
11	9982-326-002	Plate Assy., Electronic Control	1
12	9451-146-005	Pin, Hinge - Control Plate Assy.	2
13	9545-045-008	Screw, Mtg.sensor bracket #8ABx3/8	2
*	8640-276-005	Wire Connector Nut #71B black	2
14	9039-981-001	Bracket panel attachment	1
14	9545-045-002	Screw #8Bx1/2 panel mtg	1
17	9897-026-001	Terminal Block Power	1
*	9545-031-004	Screw Terminal Block Mtg.	2
18	9053-067-001	Bushing, Door Switch Wires	2
*	9631-403-003	Wire Ass'y, High Voltage	1
*	9627-711-001	Harness, Low Voltage Ignition	1
22	9054-045-001	Fuseholder	1
23	8636-018-001	Fuse, 1.5 amps	1
24	9545-031-005	Screw #6B x 3/8	1
25	8220-001-350	Wire Assembly Blk/Grn	1
25	9857-116-002	Control, Ignition	1
26	9545-044-002	Screw 6-32 x 1"	2
27	8640-411-003	Nut, Hex Keps #6-32	2



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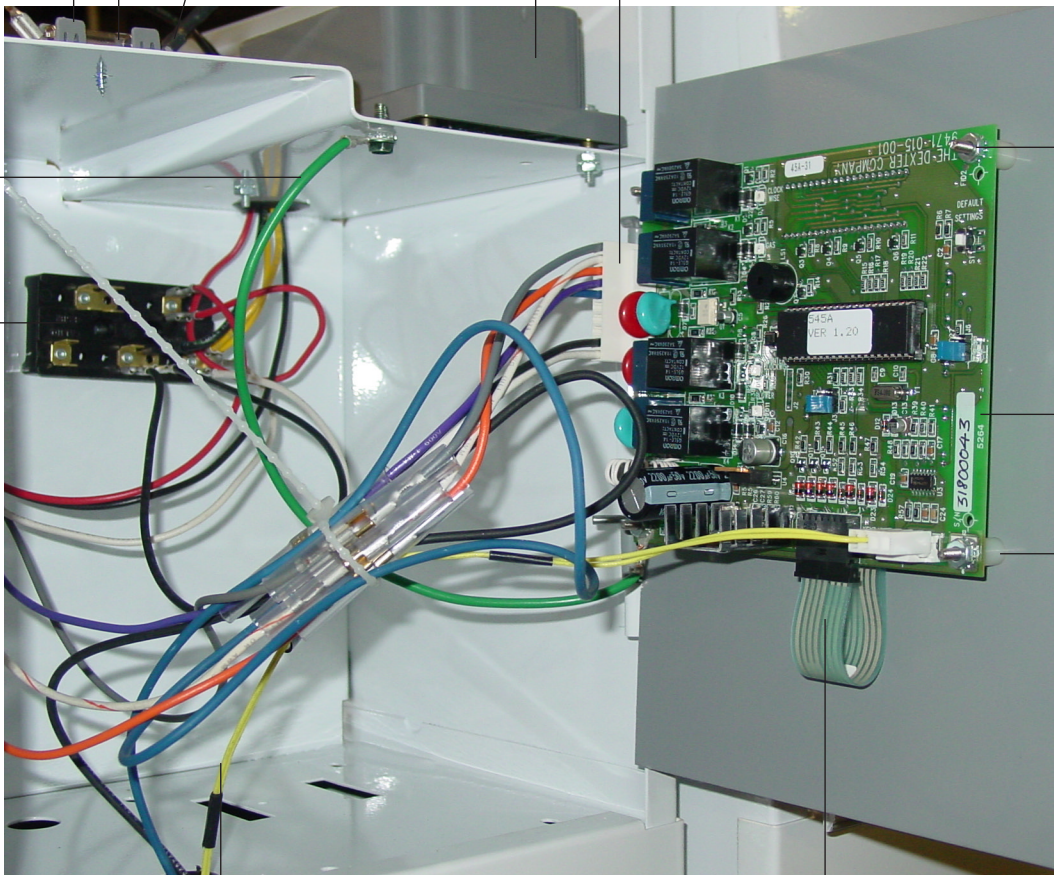
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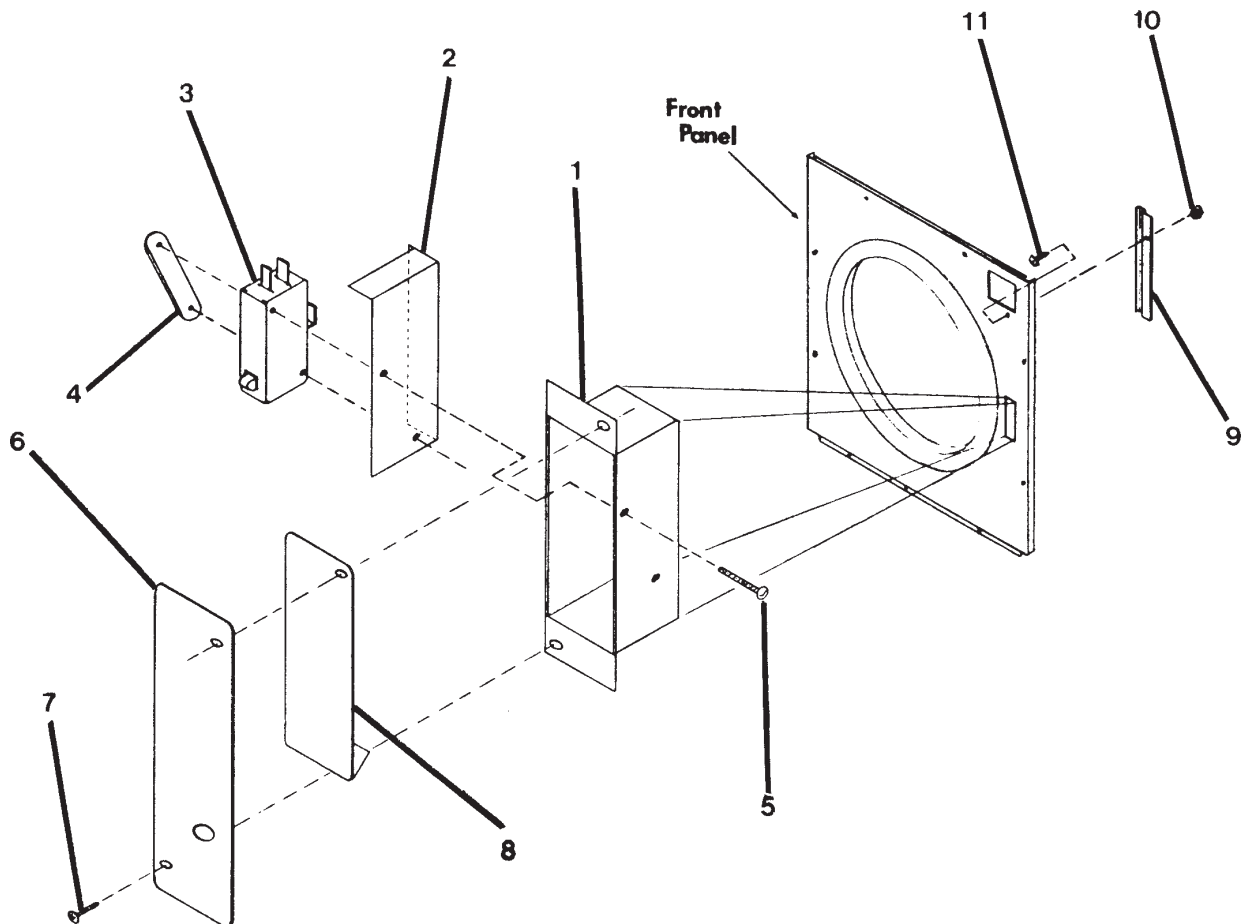
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DOOR SWITCH GROUP

Key	Part Number	Description	Qty.
1	9041-076-001	Box, Door Switch	1
2	9550-159-001	Shield, Door Switch	1
3	9539-461-001	Switch, Door	1
4	8640-401-001	Nut, Special Twin #4-40	1
5	9545-020-001	Screw, Pn Hd Sl.#4-40x5/8	2
6	9074-255-001	Cover, Switch Box	1
7	9545-008-020	Screw, Box Cover 10 AB x 3/4"	2
8	9008-004-001	Actuator, Switch- Lower	1
9	6068-041-002	Conduit	1
11	9545-012-003	Screw. 8-32 x 3 3/16"	2
*	8641-436-000	Washer, Fiber	1
10	8640-413-004	Nut, ElasticStop 10 -32	2

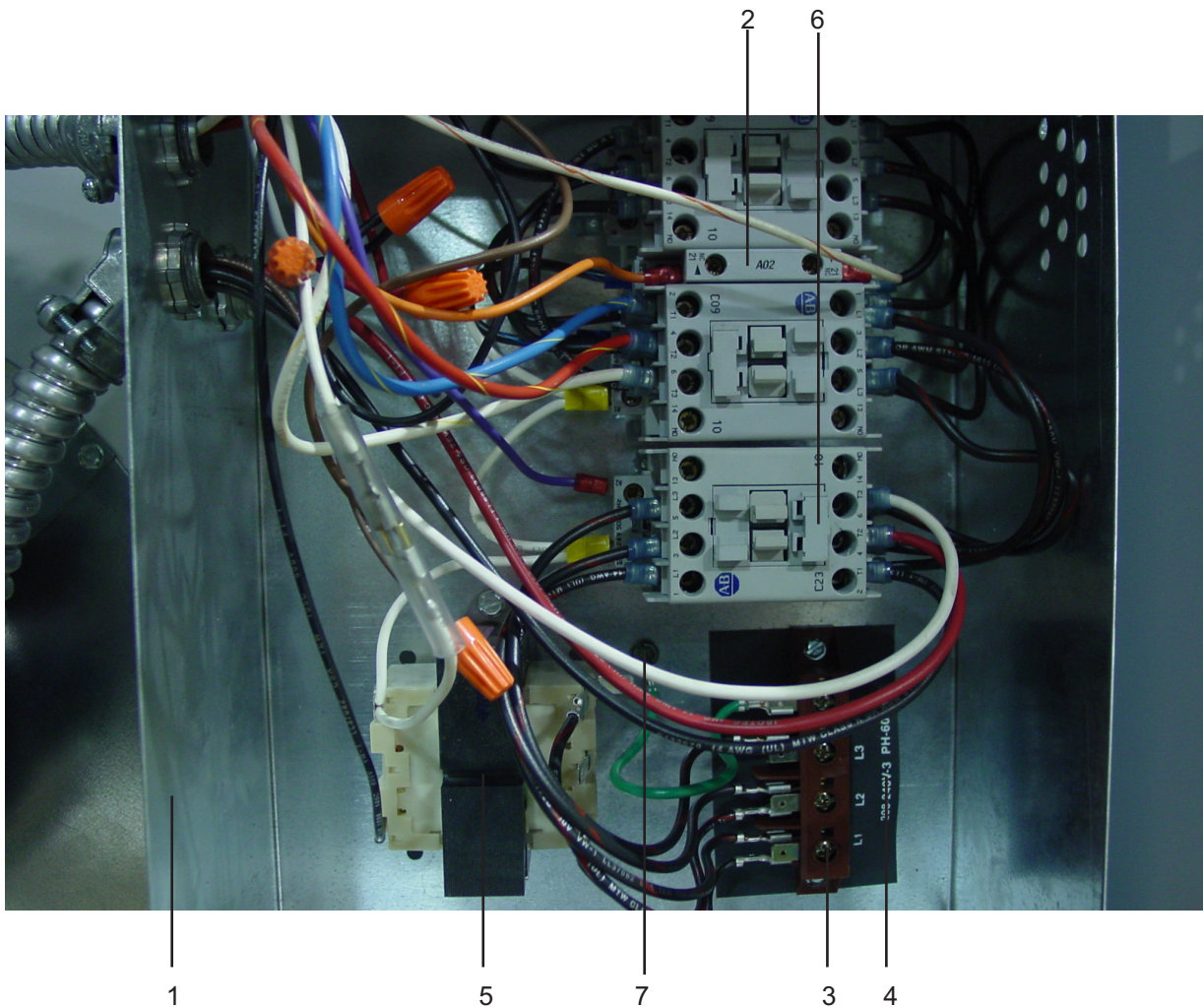
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CONTROL BOX GROUP

Key	Part Number	Description	Qty.
1	9807-085-001	Box Assembly, Control.....	1
*	9074-284-001	Cover, Control Box.....	1
*	9545-008-026	Screw.....	4
2	5192-293-001	Relay, Reversing	1
*	9545-044-002	Screw.....	2
*	8640-411-003	Nut.....	2
3	9897-035-001	Terminal Block Assembly, Power.....	1
4	9558-029-002	Strip, Terminal Marker.....	1
*	9545-045-002	Screw	2
5	8711-007-001	Transformer, Control.....	1
*	9545-012-015	Screw	2
6	5192-295-012	Relay, Blower	1
7	8639-621-007	Screw, Ground	1
*	8641-582-006	Lockwasher, Ground Screw	1

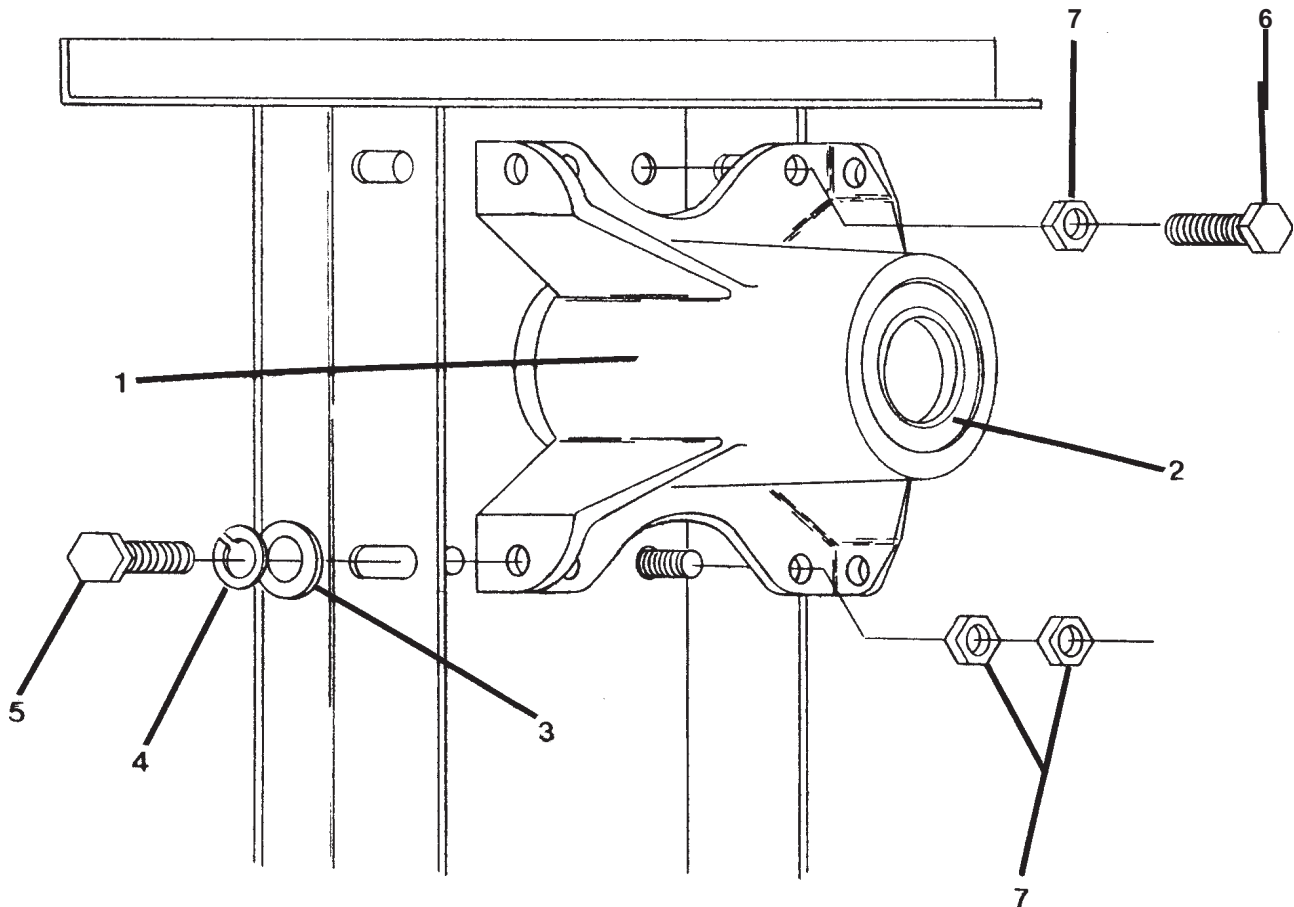
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BEARING HOUSING GROUP

Key	Part Number	Description	Qty.
*	9803-189-001	Housing, Bearing Ass'y w one (rear) bearing	1
1	9241-183-003	Housing, Bearing	1
2	9036-159-001	Bearing, Ball-Rear	1
3	8641-581-026	Washer, Flat 1/2"	4
4	8641-582-004	Lockwasher spring 1/2"	4
5	9545-017-004	Bolt, 1/2-13x1	4
6	9545-059-003	Screw, 7/16-14x1 1/2	2
*	8641-582-013	Lockwasher, 7/16	2
7	8640-416-001	Nut, 7/16-14.	4

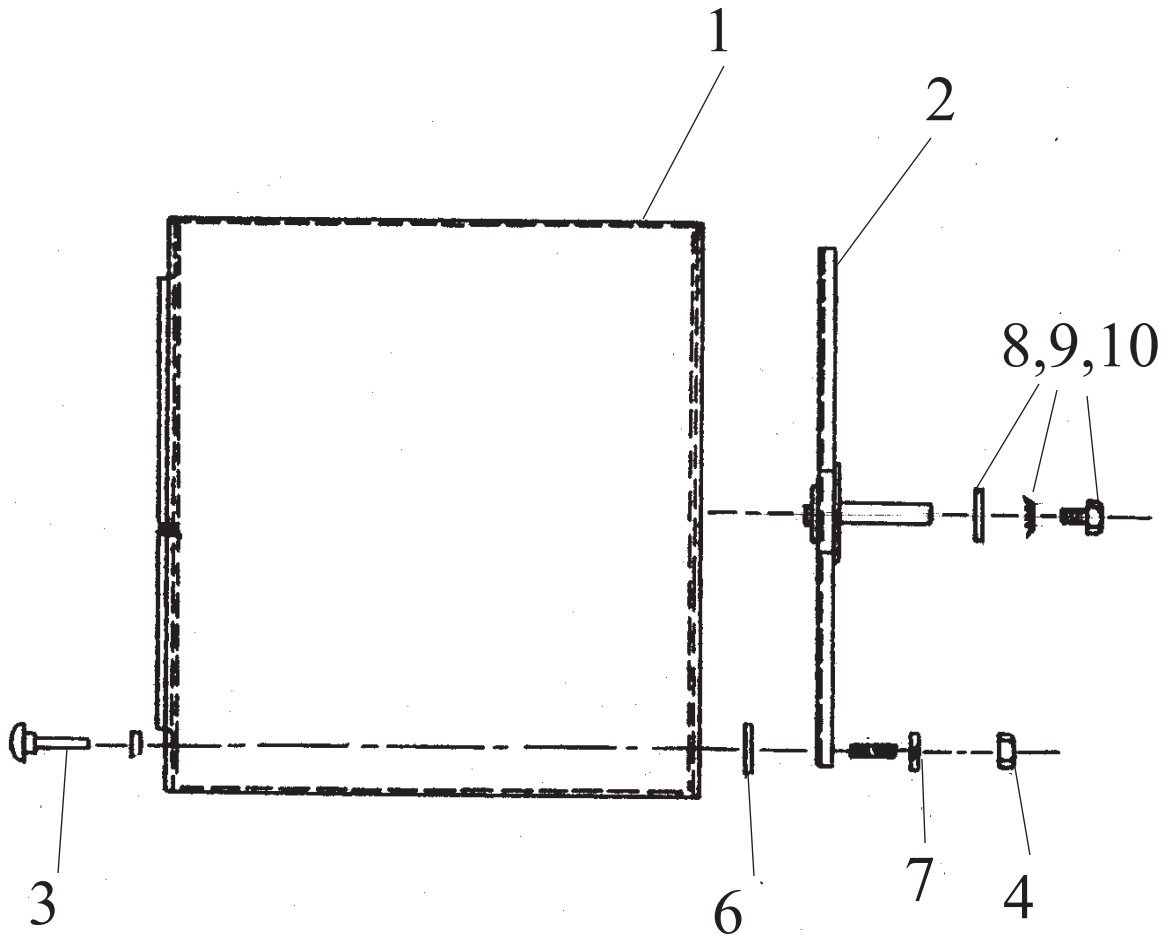
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TUMBLER GROUP

Key	Part Number	Description	
1	9848-118-001	Tumbler Ass'y	1
2	9873-005-001	Spider Ass'y with bearing on	1
3	9497-226-001	Rod, Tumbler	4
4	8640-417-002	Nut 1/2"-13	4
5	9552-013-000	Shim	4
6	8641-582-004	Washer, Spring Lock	4
7	8641-590-001	Washer, Tumbler Rod Special	4
*	9487-234-001	Ring, Tolerance	1
8	8641-582-016	Lock Washer ext tooth 1/2", Tumbler Shaft	1
9	8641-581-026	Flat Washer 1/2", Tumbler Shaft	1
10	9545-017-009	Screw, Tumbler Shaft 1/2-13 x 1 1/4"	1

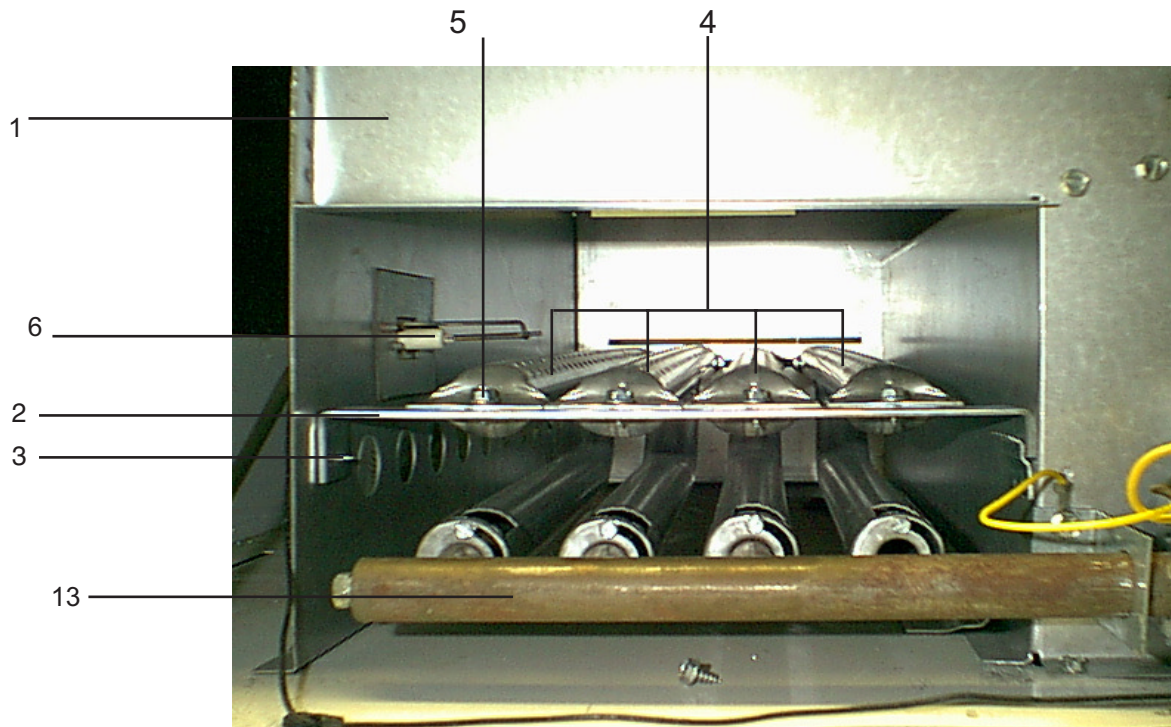
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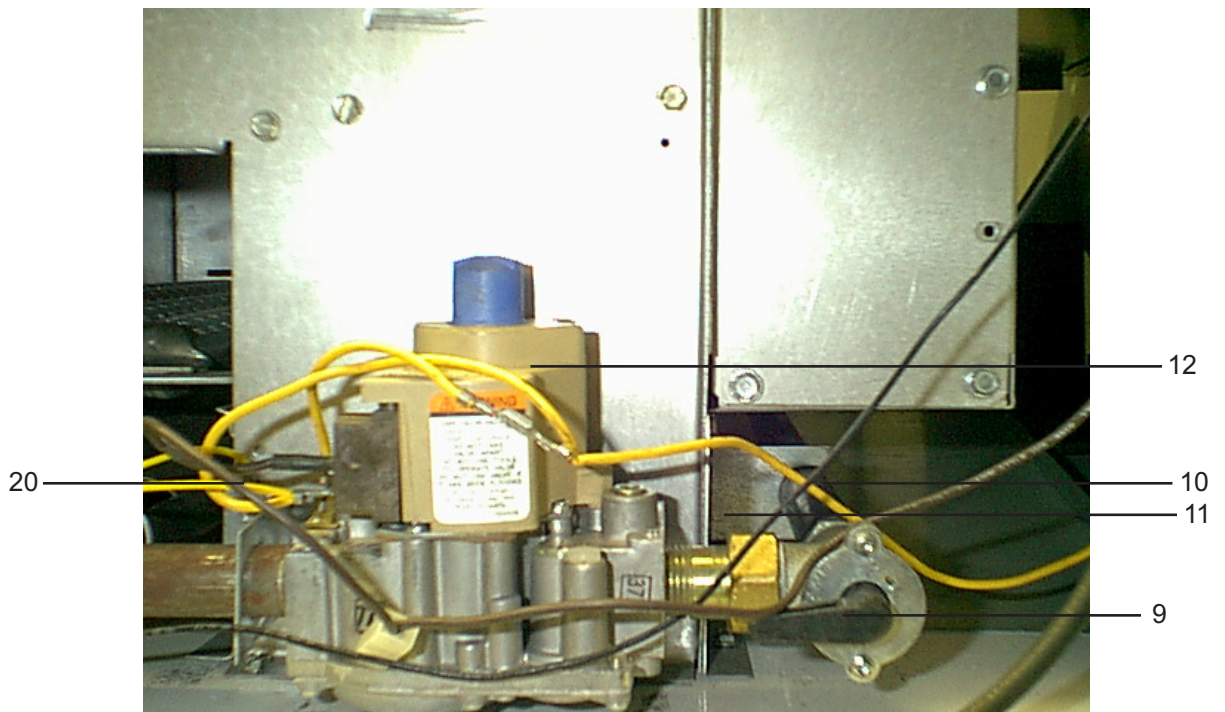
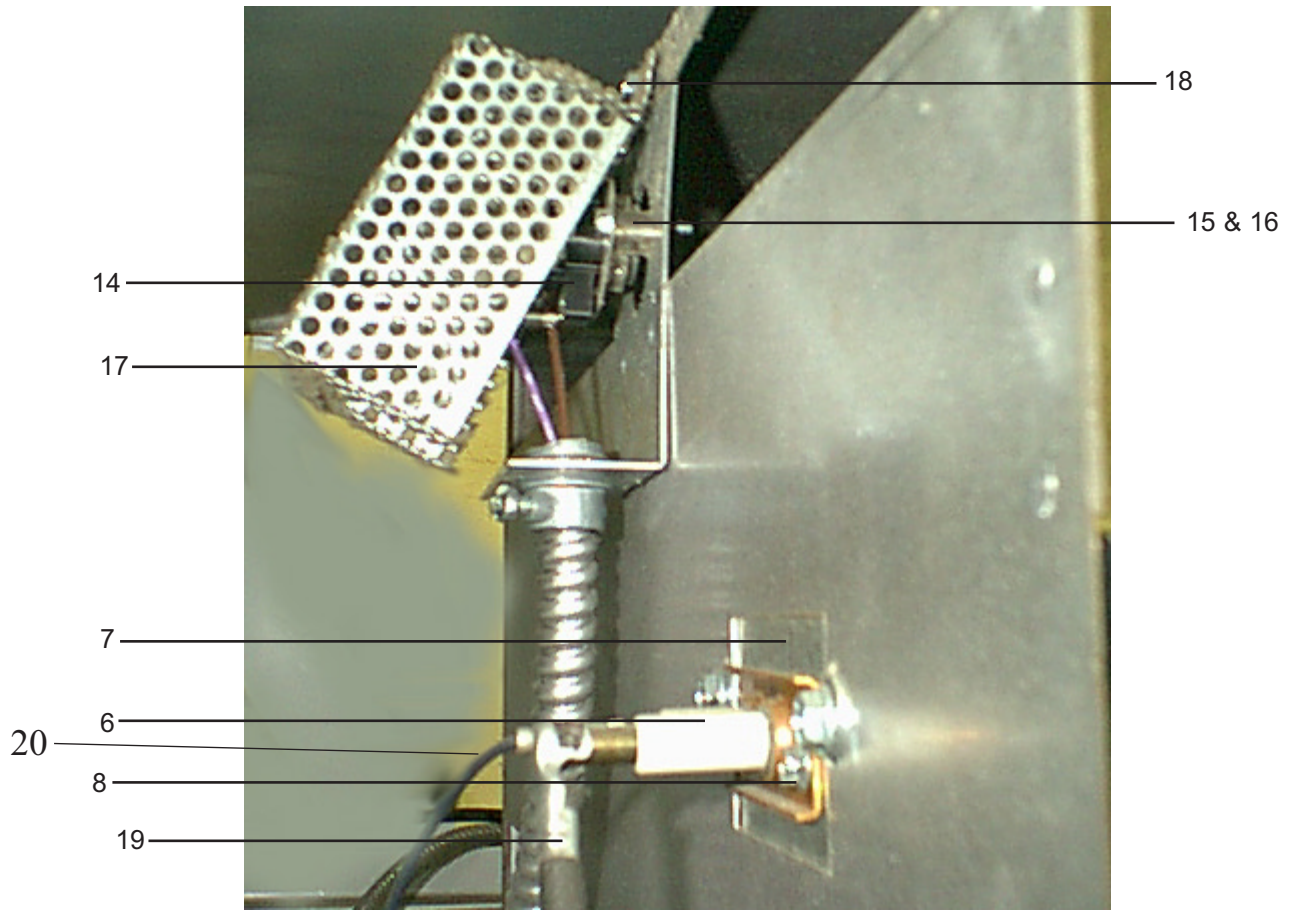


BURNER HOUSING GROUP

Key	Part Number	Description	Qty.
1	9803-195-001	Housing Assembly, Burner	1
*	9545-008-024	Screw	4
2	9548-280-001	Support, Front Burner	1
3	9545-008-008	Screw 10T-32 x 1/2"	1
4	9048-018-001	Burner, Main	4
5	9545-008-008	Screw 10T-32 x 1/2"	4
6	9875-002-002	Electrode, Ignition	1
7	9452-645-001	Plate, Electrode Mtg	1
8	9545-045-001	Screw, Electrode Mtg 8B x 11/4"	2
9	9379-164-002	Valve, Gas Shut-Off w/ brass union	1
10	9458-020-004	Pipe, Gas Line	1
11	9039-915-001	Bracket, Gas Line Pipe	1
12	9857-134-002	Control Assy, Gas	1
*	8220-001-466	Wire Assembly Yellow 4 7/8"	1
13	9381-011-001	Manifold Assy., 4 port	1
*	9425-069-021	Orifice, Burner - Natural	4
*	9425-069-022	Orifice, Burner - LP	4
*	9732-102-010	Kit, LP Conversion	1
14	9576-203-002	Thermostat, Hi-Limit	1
15	9538-142-001	Spacer, Hi-Limit	2
16	9545-045-007	Screw 8B x 3/4"	2
17	9074-234-001	Cover, Hi-Limit Stat	1
18	9545-008-024	Screw 10B x 3/8"	1
19	9631-403-003	Wire Ass'y, High Voltage	1
20	9627-711-001	Harness, Low Voltage Ignition	1

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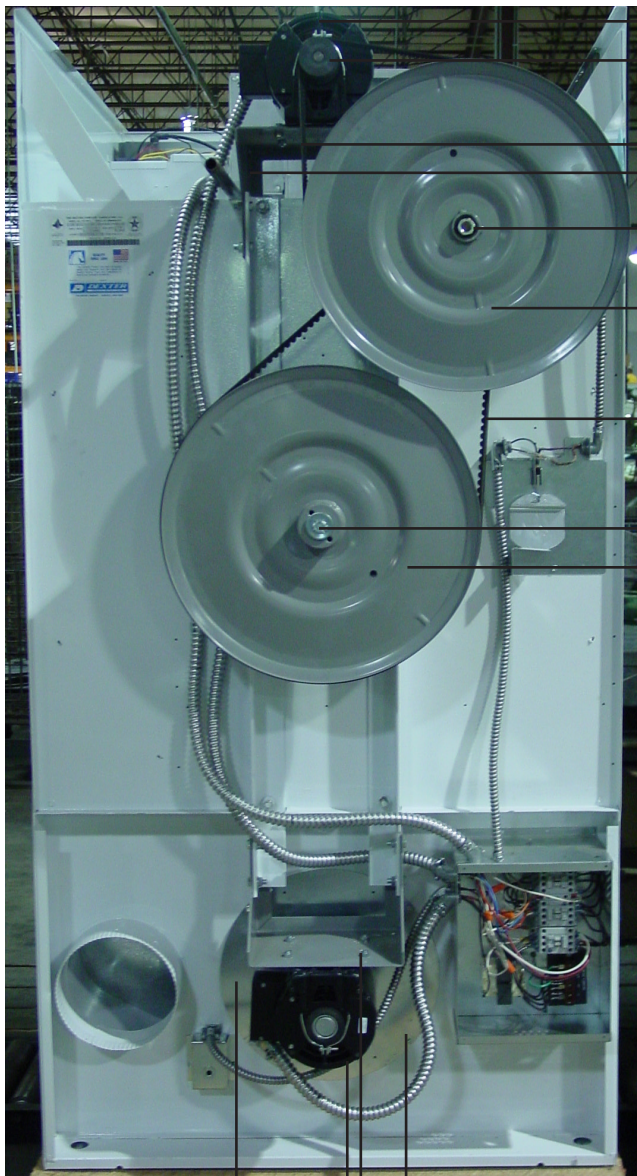




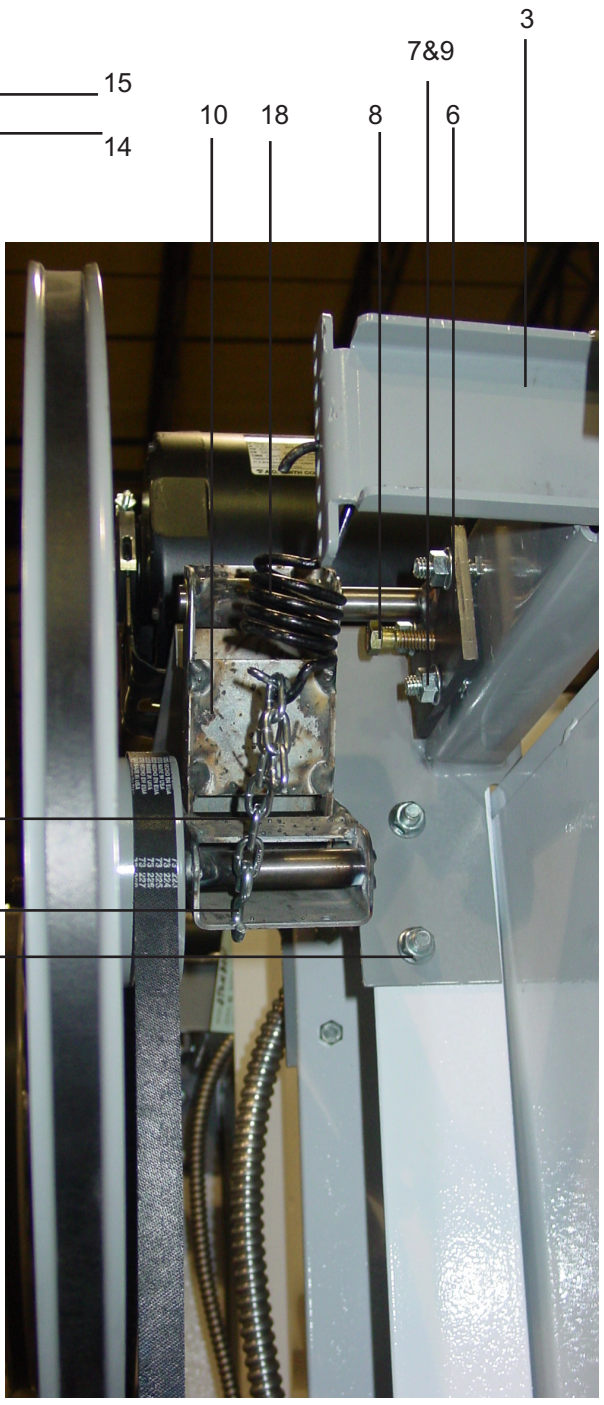
DRIVE GROUP

Key	Part Number	Description	Qty.
1	9376-302-001	Motor, Drive Tumble	1
*	8640-276-003	Wire Nut connector #73B (for302-001)	3
1	9376-302-002	Motor, Drive Blower	1
*	8640-276-003	Wire Nut connector #73B (for302-002)	3
*	9545-014-004	Screw, Hx 5/16-18X5/8	8
*	8640-400-003	Nut 5/16-18	8
*	8641-581-008	Washer Flat 5/16	2
2	9453-157-001	Pulley, Motor (for302-001)	1
2	9278-037-003	Impeller, w/set screws (for302-002)	1
*	9545-028-013	Screw, Set 5/16-18x1/2"	2
3	9991-054-006	Support Ass'y, Motor (for302-001)	1
*	9452-643-002	Plate, Motor (for302-001)	1
4	9545-029-005	Screw 3/8-16 x 1"	8
5	8640-415-004	Nut 3/8-16	8
6	9991-053-001	Support Assy, Intermed. Pulley (for302-001)	1
7	9545-029-010	Bolt, Rd Hd 3/8-16x1 1/4	3
8	9545-029-003	Screw Hxcap 3/8-16x1 1/2	1
9	8640-415-004	Nut 3/8-16	3
*	8641-581-035	Washer, Flat	4
10	9861-024-002	Arm Assy-Tension Complete	1
*	8641-581-035	Washer, Flat	1
*	9487-200-006	Ring-Retaining	1
*	8641-581-039	Washer, Flat.....	2
11	8640-425-002	Nut-Hex, 5/8 x 11.....	1
12	9908-042-006	Pulley Assy, Intermediate - w/ bearings, spacer, & ret. ring (below)	1
*	9036-159-007	Bearing, Ball-Idler Pulley	2
*	9538-173-002	Spacer, Bearing	1
*	9487-238-005	Ring, Retaining	1
*	9908-042-005	Pulley Assembly intermediate	1
*	8600-042-004	Lubricant molycoat BR2-S	
13	9487-200-003	Ring, Retaining	2
14	9908-043-002	Pulley, Assembly Driven	1
*	9487-234-001	Ring, Tolerance	1
15	8641-581-026	Washer, Flat 1/2	1
15	8641-582-016	Lockwasher Ext. 1/2	1
15	9545-017-009	Screw, Hx Cap 1/2-13x11/2	1
16	9040-077-005	Belt, Tumbler Drive	1
17	9040-077-003	Belt, Drive	1
18	9534-151-000	Spring, Belt Tension	1
19	9099-012-002	Chain, Spring Tension	1
20	9248-022-002	Hook, Tension	1
21	9074-275-004	Cover-Blower Impeller	1
22	9074-275-005	Cover-Blower Impeller	1
23	9545-008-001	Screw 10B x 1/4"	4
*	9208-050-001	Guard Rear, Drive	1
*	9454-685-001	Panel, Drive Guard, RH	1
*	9550-180-001	Shield, Motor	1
*	9545-008-003	Screw 10-16x 1/2 Tek	2
*	9545-008-001	Screw 10Bx1/4	11

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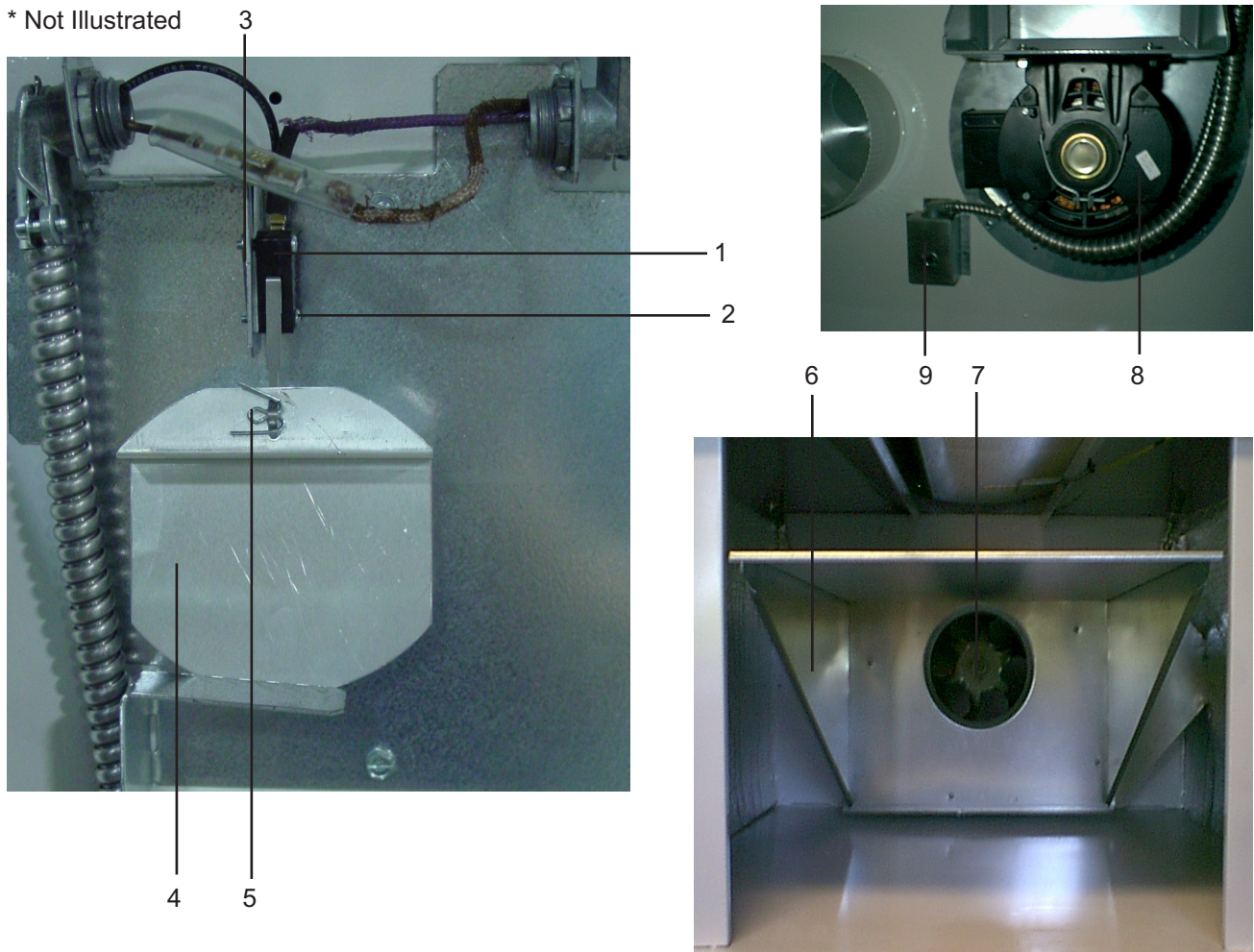


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- 5/16"bolt
- 19
- 20
- 4&5

AIR FLOW SWITCH, LINT HOOD & BLOWER IMPELLER GROUP

Key	Part Number	Description	Qty.
1	9539-461-009	Switch, Air Flow	1
*	9550-169-003	Shield, Air Flow Switch.....	1
2	9545-020-001	Screw, Hx #4-40x5/8	2
3	8640-401-001	Nut, Special Twin #4-40	1
4	9008-007-001	Actuator-Switch, Air Flow	1
5	9451-169-002	Pin, Cotter	1
6	9834-009-001	Hood Ass'y, Lint	1
*	8640-412-004	Nut, Whizlock	6
*	9822-031-002	Lint Screen 34" length	1
7	9278-037-003	Impeller, w/set screws	1
8	9376-302-002	Motor, Blower	1
*	9074-275-002	Cover-Half, Blower Impeller (Flat)	1
*	9074-275-003	Cover-Half, Blower Impeller (Formed)	1
*	9545-008-001	Screw, Hex #10Bx1/4	4
*	9576-207-006	Thermostat, Safety	1
9	9825-057-002	Cover, Safety Thermostat.....	1
*	9545-008-024	Screw, Hx. #10ABx3/8	2

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WIRING GROUP

Key	Part number	Description	Qty.
1	6068-044-008	Conduit 1/2 x 66"	1
*	8653-068-007	Connector 1/2" 45	1
*	8653-068-005	Connector 1/2" Str.	1
*	2114-018-001	Bushing Anti-short 1/2	2
*	8220-088-007	Wire red/yel 79"	1
*	8220-088-008	Wire wht/yel 79"	1
*	8220-088-009	Wire blu/wht 79"	1
2	6068-044-006	Conduit 1/2 x 25"	1
*	8653-068-005	Connector 1/2" 45	2
*	2114-018-001	Bushing Anti-short 1/2	2
*	8220-057-001	Wire Assy. Gry, 34"	1
*	8220-057-002	Wire Assy. Brn, 34"	1
*	8220-088-004	Wire Assy, Red, 41"	1
*	8220-088-005	Wire Assy. Wht, 41"	1
*	8220-088-006	Wire Assy. Blk, 41"	1
3	6068-037-026	Conduit 3/8 x 44 1/2	1
*	8653-068-003	Connector 3/8" Str	1
*	8653-068-004	Connector 3/8" 90	1
*	2114-008-000	Bushing Anti-short 3/8	2
*	8220-095-023	Wire Assy. Brn, 54"	1
*	8220-103-001	Wire Assy. Vio, 54"	1
4	6068-037-028	Conduit 3/8 x 26 1/2	1
*	8653-068-003	Connector 3/8" Str	1
*	8653-068-004	Connector 3/8" 90	1
*	2114-008-000	Bushing Anti-short 3/8	1
*	8220-078-007	Wire Assy. Blk 40"	1
*	8220-064-008	Wire Assy. Brn 40"	1
5	6068-037-022	Conduit 3/8 x 23 1/2	1
*	8653-068-006	Connector 3/8" 45	1
*	8653-068-004	Connector 3/8" 90	1
*	2114-008-000	Bushing Anti-short 3/8	2
*	8220-101-008	Wire Assy. Blk. 34"	1
*	8220-101-009	Wire Assy. Red 34"	1
6	6068-044-005	Conduit 1/2 x 90"	1
*	8653-068-005	Connector 1/2" Str	1
*	8653-068-007	Connector 1/2" 45	1
*	2114-018-001	Bushing Anti-short 1/2	2
*	8220-062-004	Wire Assy. Wht. 108"	1
*	8220-065-028	Wire Assy. Vio 110"	1
*	8220-062-006	Wire Assy. Blk. 124"	1
*	8220-064-005	Wire Assy. Red 108"	1
*	8220-064-006	Wire Assy. Gray 110'	1
*	8220-065-019	Wire Assy. Wht/Org 110"	1
*	8220-065-020	Wire Assy. Org 110"	1
*	8220-001-230	Wire Assy. Blk/Red 8 1/2"	1
*	8220-001-231	Wire Assy. Blk/Blu	1
*	8220-001-478	Wire Assy. Grn. 7"	1
*	8220-065-006	Wire Assy. Blk/Red 11"	3
*	8220-065-007	Wire Assy. Blk/Blu 11"	1
*	8220-068-001	Wire Assy. Blk/Red 5"	7
*	8220-068-002	Wire Assy. Blk/Red 7"	1
*	8220-068-004	Wire Assy. Blk/Red 11"	2
*	8220-112-001	Wire Assy. Jumper	1