







DEXTER[®]
LAUNDRY

**USE THE BLUE TABS LOCATED ON THE
RIGHT AND LEFT SIDES OF THE FOLLOWING
DOCUMENT TO ADVANCE TO EACH SECTION.**



**Dexter Industrial On Premise O-Series
T-30, T-50, & T-80
Non-Reversing Dryer
Parts & Service Manual**

**Equipment Safety Warnings
Symbols and Terminology Used in this Equipment**

⚠ DANGER	Indicates an imminently hazardous situation, which if not avoided, will result in death or serious injury.
⚠ WARNING	Indicates a potentially hazardous situation, which if not avoided could result in death or serious injury.
⚠ CAUTION	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. Minor burns, pinch points that result in bruises and minor chemical irritation.
NOTICE	Indicates information or a company policy that relates directly or indirectly to the safety of personnel or protection of property.
	This is the user caution symbol. It indicates a condition where damage to the equipment resulting in injury to the operator could occur if operational procedures are not followed. TO REDUCE THE RISK OF DAMAGE OR INJURY, refer to accompanying documents; follow all steps or procedures as instructed.
	This is the electrical hazard symbol. It indicates that there are DANGEROUS HIGH VOLTAGES PRESENT inside the enclosure of this product. TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, do not attempt to open the enclosure or gain access to areas where you are not instructed to do so. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY
	Caution! There are sharp edges on various sheet metal parts internal to the enclosure. Use safety consciousness when placing or moving your hands while working in the interior of this equipment.
	Caution! To reduce the risk of damage to the Water Inlet Valve, do not supply inlet water with a temperature that exceeds 70° C. Caution! To reduce the risk of fire or explosion, do not operate this equipment in any hazardous classified (ATEX) environment.

Equipment Safety Warnings Symbols and Terminology Used in this Equipment



Warning! Do not operate equipment if door glass is damaged in any way.



Warning! Keep clear of rotating parts.



Prohibited! Do not enter this equipment or space.



Prohibited! Do not step or stand on this equipment.

Prohibited! Do not operate without all guards and covers in place.










Prohibited! Do not operate without all guards and covers in place.



Prohibited! Do not wash or Dry clothing impregnated with flammable liquids (petrochemical).



Prohibited! Do not allow children to play in or around equipment.

	DANGER Indicates an imminently hazardous situation, which if not avoided, <u>will result</u> in death or serious injury.
	WARNING Indicates a potentially hazardous situation, which if not avoided <u>could result</u> in death or serious injury.
	CAUTION Indicates a potentially hazardous situation which, if not avoided, <u>may result</u> in minor or moderate injury. It may also be used to alert against unsafe practices. Minor burns, pinch points that result in bruises and minor chemical irritation.
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	Caution! To reduce the risk of fire or explosion, do not operate this equipment in any hazardous classified (ATEX) environment.



WARNING

	<ul style="list-style-type: none"> • All washers and Dryers must be installed in accordance to all applicable electrical, plumbing and all other local codes. • These installation and operation instructions are for use by qualified personnel only. To avoid injury and electrical shock, do not perform any servicing other than that contained in the installation and operation instructions, unless qualified.
	Do not install washers or Dryers in an explosive atmosphere.
	<ul style="list-style-type: none"> • Care must be stressed with all foundation work to ensure a stable unit installation, eliminating possibilities of excessive vibration. • Foundation must be level within 13 mm to ensure proper washer operation.
	Do not operate Dryer if door glass is damaged in any way.
	Do not wash or Dry clothing impregnated with flammable liquids (petrochemical).



WARNING

	Children should be supervised to ensure they do not operate or play in or around equipment.
	Keep all panels in place to protect against electrical shock and injury and add rigidity to washer.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

A washer should not be allowed to operate if any of the following occur:

- Excessive high water level.
- Machine is not connected to a properly earthed circuit.
- Door does not remain securely locked during the entire cycle.
- Vibration or shaking from an inadequate mounting or foundation

	Warning! Do not operate equipment if door glass is damaged in any way.
	Warning! Keep clear of rotating parts.
	Prohibited! Do not enter this equipment or space.
	Prohibited! Do not step or stand on this equipment.
	Prohibited! Do not operate without all guards and covers in place.
	Prohibited! Do not operate without all guards and covers in place.
	Prohibited! Do not wash or Dry clothing impregnated with flammable liquids (petrochemical).
	Prohibited! Do not allow children to play in or around equipment.

	Prohibited! Do not attempt to open, touch, or proceed before referring to the manual or unless qualified.
	Mandatory! Read all supporting documentation before operating or maintaining equipment.
	Mandatory! Disconnect power before servicing equipment.
	Mandatory! Lock out and tag out before servicing this equipment.
	Mandatory! Children should be supervised to ensure they do not operate equipment.

Dexter Safety Guidelines



WARNING

These washers are equipped with devices and features relating to their safe operation. To avoid injury or electrical shock, do not perform and service, unless qualified to do so.



WARNING

For your safety, the information in this manual must be followed to minimize the risk of fire or explosion or to prevent property damage, personal injury or loss of life.

IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not touch any electrical switch: do not use any telephone in your building.
- Clear the room, building or area of all occupants.
- Immediately call your gas supplier from a neighbor’s telephone.
- Follow the gas supplier’s instructions.
- If you cannot reach your gas supplier, call the fire department. Installation and service must be performed by a qualified installer, service agency or the gas supplier.

Dry only fabrics washed in water to avoid the risk of fire, including spontaneous combustions, do not dry:

- Items containing foam rubber, or any similarly textured rubber-like materials.
- Any items on which you have used a cleaning solvent or which contain flamm.able liquids or solids, such as naptha, gasoline, or other oils or waxes.

To activate your warranty, be sure to return your red warranty form to the factory. Please have serial number and model ready when calling for assistance.

Table of Contents

- Section 1: Specifications & Installation
 - Specifications, Mounting Dimensions
 - Specifications. & Dimensions 30Lb.....12 & 13
 - Specifications. & Dimensions 30Lb.....14 & 15
 - Specifications. & Dimensions 80Lb.....16 & 17
- Section 2: Installation Instructions
 - Dryer Installation & Clearances.....20
 - Dryer Make up air.....21
 - Electrical Requirements.....21
 - Gas Requirements.....22
 - Exhaust Installation22 & 23
 - Dryer Ignition & Testing.....23
 - Optional Water Connection.....24
- Section 3: Dryer Operating & Programming
 - Dryer Operating Instructions.....28 & 29
 - Dexter Live Dryer Programming.....30-44
- Section 4: Dryer Service, Troubleshooting and Schematics
 - Dryer Service Procedures.....46-59
 - Dryer Troubleshooting Tips.....60-67
 - Dryer Schematics & Diagrams 60hz.....68-73
- Section 5: Dryer Parts Data.....76-110
- Section 6: Electric Heated Dryer & Steam
 - Electric Dryer Parts Schematics Electric Heated.....117
- Section 7: 50hz Gas Dryers
 - 50hz Dryer Parts.....120
 - 50hz Dryer Schematics.....121-122
- Section 8: Maintenance Dryer.....126

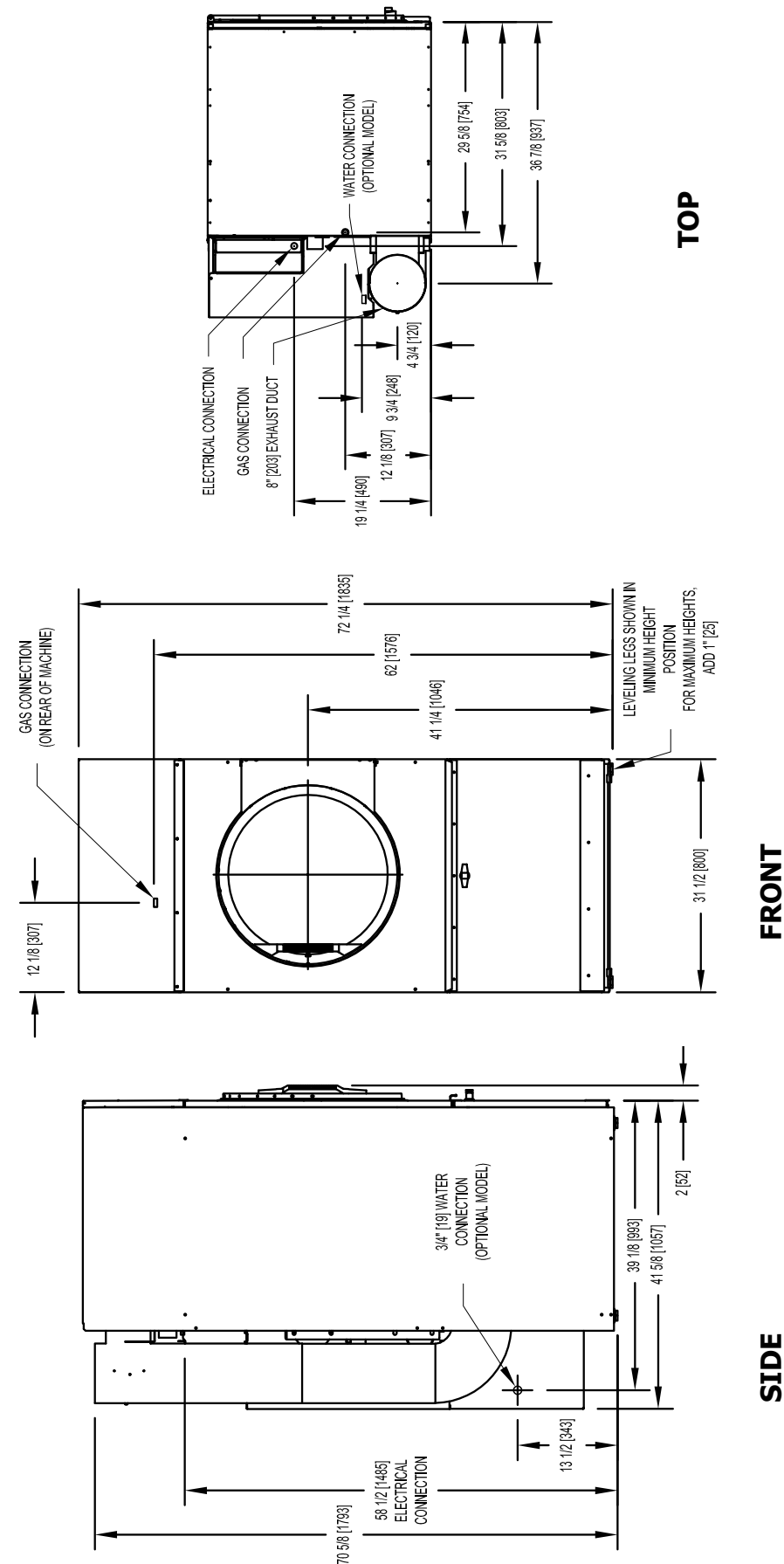
Notes

Section 1: Dryer Specifications and Mounting

T-30 EXPRESS DRYER SPECIFICATIONS

Capacity:		
Dry Weight Capacity - lb (kg)	30	(13.6)
Cylinder Volume - cu ft (L)	11.3	(320)
Speed:		
Tumbler Speed - RPM	47	
Motor Size - hp (kW)	0.5	(0.38)
Airflow:		
60 Hz Model - cfm (M3/min)	830	(23.5)
50 Hz Model - cfm (M3/min)	690	(19.5)
Dimensions:		
Cabinet Height - in (cm)	72 1/4	(183.5)
Cabinet Width - in (cm)	31 1/2	(80)
Cabinet Depth - in (cm)	41 3/4	(106)
Door Opening - in (cm)	22 5/8	(57.5)
Floor to Door Bottom - in (cm)	28 3/4	(73)
Cylinder Diameter - in (cm)	30	(76.2)
Cylinder Depth - in (cm)	27 1/2	(69.9)
Lint Screen Area - sq in (sq cm)	515	(3323)
Weight:		
Net Weight - lb (kg)	454	(205.9)
Shipping Information:		
Shipping Weight - lb (kg)	499	(226.3)
Shipping Height - in (cm)	77 1/4	(196.2)
Shipping Width - in (cm)	32 3/4	(83.2)
Shipping Depth - in (cm)	45 1/2	(115.6)
Gas Requirements (Gas Models Only):		
Gas Supply Connection - in (mm)	1/2	(12.7)
Natural Gas Supply (Water Column) - in (cm)	5-8	(12.7 - 20.3)
LP Gas Supply (Water Column) - in (cm)	11 1/2 - 13 1/2	(29.2 - 34.3)
Gas Usage (Gas Models Only):		
60Hz Model - BTU/hr (kW)	90,000	(26.4)
50Hz Model - BTU/hr (kW)	74,000	(21.7)
Electrical Requirements:		
Gas Models:		
Model	Volts / Hz / Phase / Wiring	Circuit Breaker / Running Amps / Wire Size / Reversing
-15	208-240 / 60 / 1 / 2 wire + ground	15 / 5.1 / #12 / Non-Rev
-15	120 / 60 / 1 / 2 wire + ground	15 / 9.6 / #12 / Non-Rev
-39	230 / 50 / 1 / 2 wire + ground	10 / 5.1 / 2.1 mm ² / Non-Rev
Installation Recommendations:		
Minimum Clearance Between Machines - in(cm)	0	(0)
Minimum Clearance Behind Machines - in (cm)	18	(45.7)
Make-Up Air Required - sq ft (sq cm)	1	(929)
Exhaust Size - in (cm)	8	(20.3)
Max. Exhaust Back Pressure (Water Column) - in (mm)	0.3	(7.6)
Recommended Exhaust Length - ft (m) & 2 elbows	14	(4.3)
Water Requirements for Fire Response Models:		
Water Inlet Size - in (mm)	3/4	(19)
Pressure (min/max) - psi (kPa)	40-120	(276-827))

T-30 EXPRESS DRYER SPECIFICATIONS



T-50 EXPRESS DRYER SPECIFICATIONS

Capacity:		
Dry Weight Capacity - lb (kg)	50	(22.7)
Cylinder Volume - cu ft (L)	15.8	(447.4)

Speed:		
Tumbler Speed - RPM	45	
Motor Size - hp (kW)	1	(0.75)

Airflow:		
60 Hz Model - cfm (M3/min)	910	(25.8)
50 Hz Model - cfm (M3/min)	760	(21.5)

Dimensions:		
Cabinet Height - in (cm)	72 1/4	(183.5)
Cabinet Width - in (cm)	34 1/2	(87.6)
Cabinet Depth - in (cm)	48	(121.9)
Door Opening - in (cm)	25 5/8	(65.1)
Floor to Door Bottom - in (cm)	27 1/4	(69.2)
Cylinder Diameter - in (cm)	32 1/2	(82.6)
Cylinder Depth - in (cm)	33	(83.8)
Lint Screen Area - sq in (sq cm)	708	(4568)

Weight:		
Net Weight - lb (kg)	540	(244.9)
Shipping Information:		
Shipping Weight - lb (kg)	590	(267.6)
Shipping Height - in (cm)	77 1/4	(196.2)
Shipping Width - in (cm)	36	(91.4)
Shipping Depth - in (cm)	51 1/2	(130.8)

Gas Requirements (Gas Models Only):		
Gas Supply Connection - in (mm)	1/2	(12.7)
Natural Gas Supply (Water Column) - in (cm)	5-8	(12.7 - 20.3)
LP Gas Supply (Water Column) - in (cm)	11 1/2 - 13 1/2	(29.2 - 34.3)

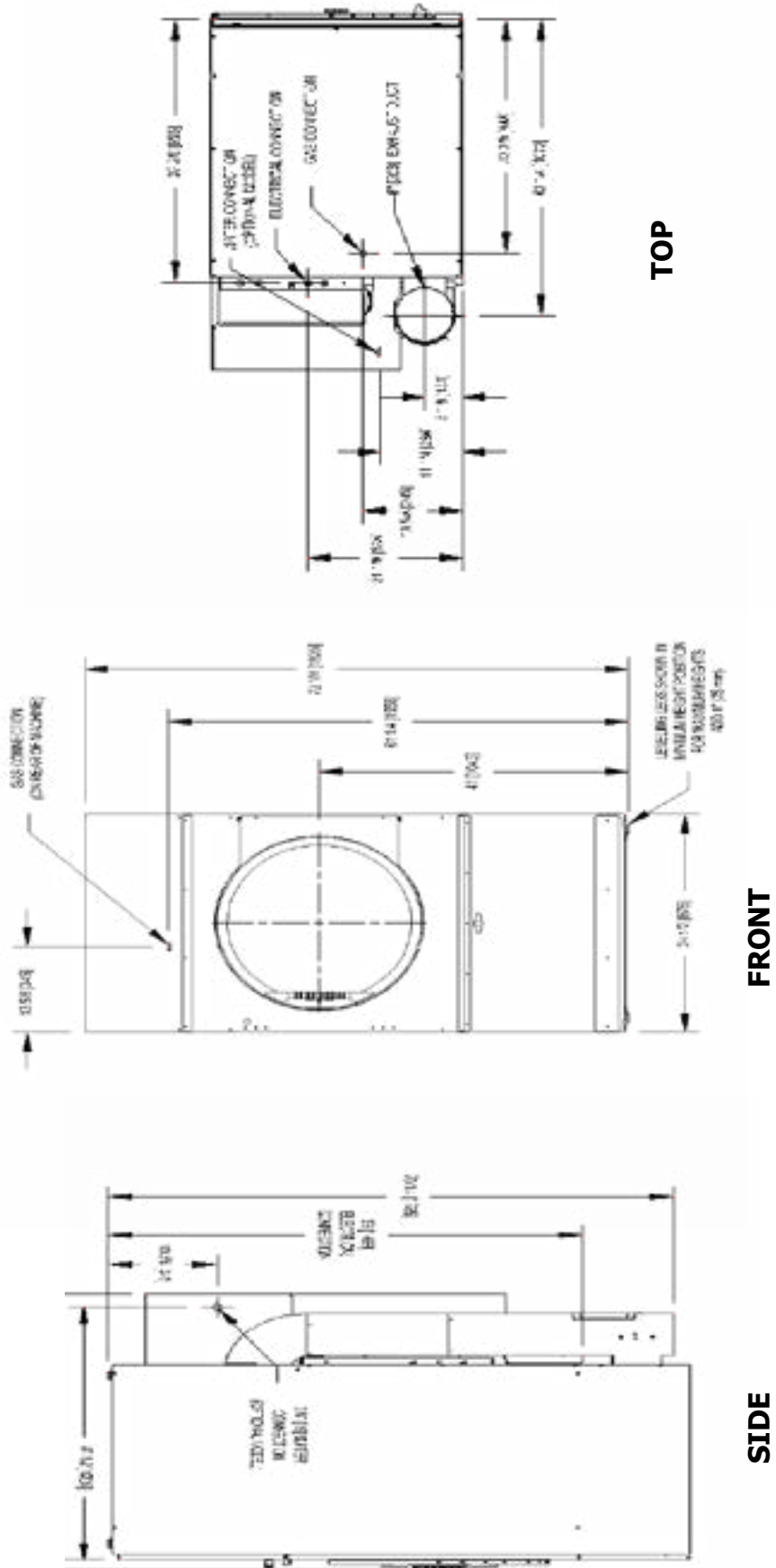
Gas Usage (Gas Models Only):		
60Hz Model - BTU/hr (kW)	145,000	(42.5)
50Hz Model - BTU/hr (kW)	120,000	(35.2)

Electrical Requirements:		
Gas Models:		
Model Volts / Hz / Phase / Wiring	Circuit Breaker / Running Amps / Wire Size / Reversing	
-15 208-240 / 60 / 1 / 2 wire + ground	15 / 5.1 / #12 / Non-Rev	
-15 120 / 60 / 1 / 2 wire + ground	15 / 9.6 / #12 / Non-Rev	

Installation Recommendations:		
Minimum Clearance Between Machines - in (cm)	0	(0)
Minimum Clearance Behind Machines - in (cm)	18	(45.7)
Make-Up Air Required - sq ft (sq cm)	1.25	(1161)
Exhaust Size - in (cm)	8	(20.3)
Max. Exhaust Back Pressure (Water Column) - in (mm)	0.3	(7.6)
Recommended Exhaust Length - ft (m) & 2 elbows	14	(4.3)

Water Requirements for Fire Response Models:		
Water Inlet Size - in (mm)	3/4	(19)
Pressure (min/max) - psi (kPa)	40-120	(276-827)

T-50 EXPRESS DRYER SPECIFICATIONS



T-80 EXPRESS DRYER SPECIFICATIONS

Capacity:

Dry Weight Capacity - lb (kg)	80	(36.3)
Cylinder Volume - cu ft (L)	23	(651.3)

Speed:

Tumbler Speed - RPM	40	
Motor Size - 60 Hz Model - hp (kW)	1	(0.75)

Airflow:

60 Hz Model - cfm (M3/min)	1200	(34)
50 Hz Model - cfm (M3/min)	1000	(28.3)

Dimensions:

Cabinet Height - in (cm)	75 3/4	(192.4)
Cabinet Width - in (cm)	38 1/2	(97.8)
Cabinet Depth - in (cm)	51 3/4	(131.4)
Door Opening - in (cm)	25 5/8	(65.1)
Floor to Door Bottom - in (cm)	29 1/4	(74.3)
Cylinder Diameter - in (cm)	36 1/2	(92.7)
Cylinder Depth - in (cm)	38	(96.5)
Lint Screen Area - sq in (sq cm)	823	(5310)

Weight:

Net Weight - lb (kg)	715	(324.3)
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Shipping Information:

Shipping Weight - lb (kg)	770	(349.3)
Shipping Height - in (cm)	80 3/4	(205.1)
Shipping Width - in (cm)	40 1/4	(102.2)
Shipping Depth - in (cm)	55 1/2	(141)

Gas Requirements (Gas Models Only):

Gas Supply Connection - in (mm)	3/4	(19.1)
Natural Gas Supply (Water Column) - in (cm)	5-8	(12.7 - 20.3)
LP Gas Supply (Water Column) - in (cm)	11 1/2- 13 1/2	(29.2 - 34.3)

Gas Usage (Gas Models Only):

60Hz Model - BTU/hr (kW)	215,000	(63)
50Hz Model - BTU/hr (kW)	195,000	(57.1)

Electrical Requirements:

Gas Models:

Model	Volts / Hz / Phase / Wiring	Circuit Breaker / Running Amps / Wire Size / Reversing
-15	208-240 / 60 / 1 / 2 wire + ground	15 / 5.5 / #12 / Non-Rev
-15	120 / 60 / 1 / 2 wire + ground	15 / 10.4 / #12 / Non-Rev

Installation Recommendations:

Minimum Clearance Between Machines - in (cm)	0	(0)
Minimum Clearance Behind Machines - in (cm)	18	(45.7)
Make-Up Air Required - sq ft (sq cm)	1.5	(1394)
Exhaust Size - in (cm)	8	(20.3)
Max. Exhaust Back Pressure (Water Column) - in (mm)	0.3	(7.6)
Recommended Exhaust Length - ft (m) & 2 elbows	14	(4.3)

Water Requirements for Fire Response Models:

Water Inlet Size - in (mm)	3/4	(19)
Pressure (min/max) - psi (kPa)	40-120	(276-827))

Section 2: Dryer Installation

Dryer Installation

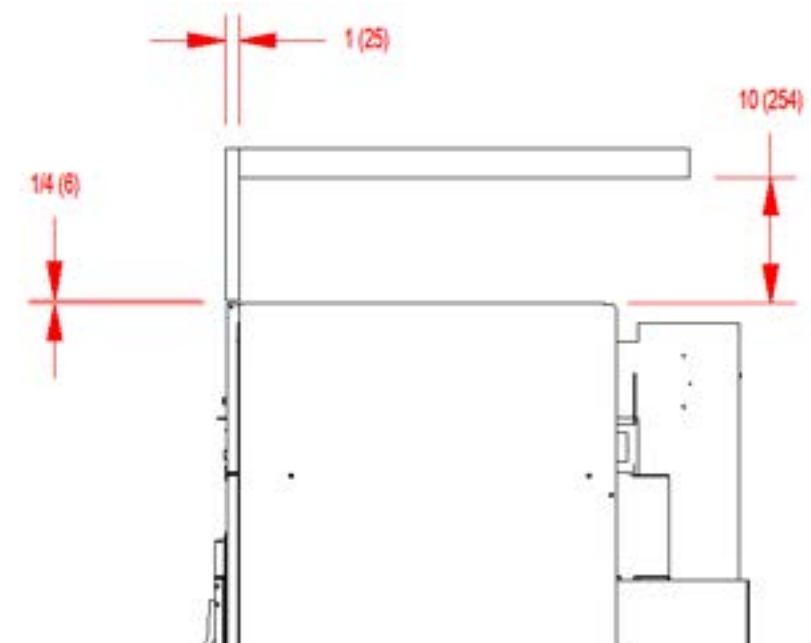
All commercial dryer installations must conform with local codes or, in the absence of local codes, with the latest edition of the National Fuel Gas Code ANSI Z223.1A. Canadian installations must comply with current Standard CAN/CGA-B149 (.1 or .2) Installation Code for Gas Burning Appliances or Equipment, and local codes if applicable. Australian installations must meet installation requirements and pipe sizing requirements of AS/NZA 5601. The appliance, when installed, must be electrically grounded in accordance with the latest edition of the National Electrical Code, ANSI/NFPA70, or, when installed in Canada, with Standard CSA C22.1 Canadian Electrical Code Part 1.

To connect the dryer to the supply piping, use a listed connector in compliance with the Standard for Connectors for Gas Appliances, ANSI Z21.24 • CSA 6.10.

Installation Clearances:

This unit may be installed at the following alcove clearances. (millimeters)

- 1. Left side-** 0"
- 2. Right side-** 0" *
- 3. Back-** 18" (457) (Certified for 1" (25) clearance; however, 18" (457) clearance is necessary behind the belt guard to allow servicing and maintenance.)
- 4. Front-** 48" (1220) (to allow use of dryer)
- 5. Top-** Refer to figure labelled "Vertical Clearance Dimensions". Certification allows 0" clearance at the top 1" (25) back from the front. However, a 1/4" (6) clearance is required to allow opening the upper service door. A 10" (254) clearance is required from the top at all other points.
- 6. Floor-** This unit may be installed upon a combustible floor.
*Units may be installed in direct contact with an adjacent dryer, providing allowance is made for opening upper and lower service doors. Do not obstruct the flow of combustion and ventilation air. Maintain minimum of 1" (25) clearance between duct and combustible material.



VERTICAL CLEARANCE DIMENSIONS - ALL (30/50/80)

MAKE-UP AIR

Adequate make-up air must be supplied to replace air exhausted by dryers on all types of installations. Refer to specifications for the minimum amount of make-up air opening to outside for each dryer. This is a net requirement of effective area. Screens, grills or louvers, which will restrict the flow of air, must be considered. Consult the supplier to determine the free area equivalent for the grill being used. The source of make-up air should be located sufficiently away from the dryers to allow an even airflow to the air intakes of all dryers. Multiple openings should be provided.

The sources of all make-up air and room ventilation air movement to all dryers must be located away from any dry cleaners. This is necessary so that solvent vapors will not be drawn into the dryer inlet ducts. Dry cleaner solvent vapors will decompose in contact with open flame such as the gas flame present in clothes dryers. The decomposition products are highly corrosive and will cause damage to the dryer(s) ducts and clothes loads

ELECTRICAL REQUIREMENTS.

The electrical power requirements necessary to operate the unit satisfactorily are listed on the serial plate located on the back panel of each dryer and in the specifications section of this manual. The electrical connection should be made to the terminal board, on the rear of the unit. It is absolutely necessary that the dryer be grounded to a known ground. Individual circuit breakers for each dryer are required.

Individual circuit breakers for each unit are recommended. Do not use ground-fault circuit breakers or ground-fault circuit interrupter outlets. The wiring diagram is located on the belt guard on the back of the machine

TRANSIENT VOLTAGE SURGE SUPPRESSORS

Like most electrical equipment your new machine can be damaged or have its life shortened by voltage surges due to lightning strikes which are not covered by factory warranty. Local power distribution problems also can be detrimental to the life of electrical components. We recommend the installation of transient voltage surge suppressors for your new equipment. These devices may be placed at the power supply panel for the complete installation and don't require an individual device for each machine.

These surge protectors help to protect equipment from large spikes and also from small ongoing spikes in the power that occur on a day to day basis. These smaller surges can shorten overall life of electrical components of all types and cause their failure at a later date. Although they can't protect against all events, these protective devices have a good reputation for significantly lengthening the useful life of electronic components.

Electronic Components are helped to have a longer useful life when they are supplied with the clean stable electrical power they like.

We are including the following names and links to a few suppliers of these devices for those who don't currently have a source.

MANUFACTURER	LINK
MCG Surge Protection	mcgsurge.com
Eaton Corporation	eaton.com/us/en-us
Schneider Electric	se.com/us/en
Asco Power Technologies	ascopower.com/us/en
Emerson Electric Co.	emerson.com/en-us

GAS REQUIREMENTS.

The complete gas requirements necessary to operate the dryer satisfactorily are listed on the serial plate located on the back panel of the dryer. An individual gas shutoff valve is recommended for each dryer and may be required by local code (not supplied). The inlet gas connection to the unit is 1/2 inch [12.7] pipe thread for T-30/50 and 3/4 inch [19.1] for the T-80/T-120. A joint compound resistant to the action of liquefied petroleum gases should be employed in making pipe connections. A 1/8 inch NPT plugged tapping, accessible for test gage connection, must be installed immediately upstream of the gas supply connection to the dryer. A drip tee should be provided in the gas piping entering the unit to catch dirt and other foreign articles. All pipe connections should be checked for leakage with soap solution. Never check with an open flame. The recommended natural gas supply pressure is 7 inches water column (17.8 cm) at each dryer.

With the burners in operation, check the gas pressure at the threaded port in the end of the burner manifold. Adjust the dryer's gas control valve for 3.5 inches water column (8.89 cm w.c.) pressure at the manifold (Adjust T-30 -39 models to 3.4 in. w.c. (8.64 cm w.c.)).

For altitudes above 2,000 feet (610m) it is necessary to de-rate the BTU input. Contact your local distributor for instructions. L.P. gas conversion kits are available for this dryer. Contact your local distributor.

CAUTION: The dryer must be disconnected from the gas supply piping system during any pressure testing of that system. Do not expose the dryer's gas control valve to testing pressure.

Burner Set-Up

All gas burner manifolds should be checked for proper gas pressure while burning. Dryer manifold pressure should be set at 3.5 W.C. for Natural Gas while burner operating.

EXHAUST INSTALLATION. (Refer to Figure 2 at the end of section 6.)

Exhausting of the dryer(s) should be planned and constructed so that no air restrictions occur. Any restriction due to pipe size or type of installation can cause slow drying time, excessive heat, and lint in the room.

From an operational standpoint, incorrect or inadequate exhausting can cause a cycling of the high limit thermostat which shuts off the main burners and results in inefficient drying. Individual exhausting of the dryers is recommended. All heat, moisture, and lint should be exhausted outside by attaching a pipe of the proper diameter to the dryer adapter collar and extending it out through an outside wall. This pipe must be very smooth on the inside, as rough surfaces tend to collect lint which will eventually clog the duct and prevent the dryer from exhausting properly. All elbows must be smooth on the inside. All joints must be made so the exhaust end of one pipe is inside the next one downstream. The addition of an exhaust pipe tends to reduce the amount of air the blower can exhaust. This does not affect the dryer operation if held within practical limits. For the most efficient operation, it is recommended that no more than 14' (4.3m) of straight (8" (20.3cm) for T-30/50/80, 10 or 12" (25.4 or 30.5cm) for T-120) diameter pipe be used with two right angle elbows. When more than two elbows are used, 2' (61cm) of straight pipe should be removed for each additional elbow. No more than four right angle elbows should be used to exhaust a dryer.

Maintain minimum 1" (25) clearance between duct and combustible material.

If the exhaust pipe passes through a wall, a metal sleeve of slightly larger diameter should be set in the wall and the exhaust pipe passed through this sleeve. This practice is required by some local codes and is recommended in all cases to protect the wall. This type of installation should have a means provided to prevent rain and high winds from entering the exhaust when the dryer is not in use. A hood with a hinged damper can be used for this purpose. Another method would be to point the outlet end of the pipe downward to prevent entrance of wind and rain. In either case, the outlet should be kept clear, by at least 24" (610), of any objects which would cause an air restriction.

Never install a protective screen over the exhaust outlet.

When exhausting a dryer straight up through a roof, the overall length of the duct has the same limits as exhausting through a wall. A rain cap must be placed on top of the exhaust and must be of such a type as to be free from clogging. The type using a cone shaped "roof" over the pipe is suitable for this application.

Exhausting the dryer into a chimney or under a building is not permitted. In either case there is a danger of lint build-up which can be highly combustible.

Installation of several dryers, where a main discharge duct is necessary, will need the following considerations for installation. Individual ducts from the dryers into the main discharge duct should be at a 45 degree angle in the direction of discharge air flow.

NOTE: Never install the individual ducts at a right angle into the main discharge duct. The individual ducts from the dryers can enter at the sides or bottom of the main discharge duct. The main duct can be rectangular or round, provided adequate air flow is maintained. For each individual dryer, the total exhausting (main discharge duct plus duct outlet from the dryer) should not exceed the equivalent of 14 feet (4.3m) and two elbows. The diameter of the main discharge duct at the last dryer must be maintained to exhaust end.

NOTE: A small diameter duct will restrict air flow; a large diameter duct will reduce air velocity – both contributing to lint build up. An inspection door should be provided for periodic clean-out of the main duct.

NOTE: STATIC BACK PRESSURE should be a maximum of 0.3 in. w.c (7.6 mm w.c) at the rear exhaust outlet of the dryer. If multiple dryers are connected to the common duct, ensure the back draft damper is installed properly.

DRYER IGNITION (SOLID STATE IGNITION).

The solid state ignition system lights the main burner gas by spark. The gas is ignited and burns only when the gas-valve relay (in the electronic controller) calls for heat. The procedure for first-time starting of a dryer is as follows:

A. First, review and comply with the "WARNINGS ABOUT USE AND OPERATION" found on the inside front cover of this manual. Be sure the electrical power supply is connected correctly. The dryer MUST be properly grounded.

B. Make sure all gas supply lines are purged of air. Close the main gas shut-off valve and wait for five minutes before turning the valve back on.

C. Turn on main electrical power switch. The dryer may be started by following the "OPERATING INSTRUCTIONS" found later in this manual.

D. Natural gas and liquefied petroleum gas fired dryers both operate in the same manner. When gas-valve relay contacts are closed (indicating a demand for heat), the solid state ignition control will automatically supply energy to the redundant gas valve. Spark will continue until a flame is detected by the sensing probe, but not longer than 10 seconds. If the gas fails to ignite within 10 seconds, the gas will shut off for 15 seconds. The control will attempt to ignite two more times in a similar manner. If the gas fails to ignite after three tries, the gas valve closes and the system will "lock out". No further attempts at ignition will be performed automatically. It is then necessary to interrupt electrical power to the ignition system before making another attempt to light the burners. This can be done by opening the dryer door, allowing the dryer to come to a stop for 15 seconds, closing the door, and pushing the "Start" button. The dryer will then repeat the ignition trial cycle.

WATER CONNECTION – OPTIONAL MODEL

An uninterrupted water supply is required for models with the optional water dispensing fire response system. See the dryer dimension section for the location of the water line connection on the rear of the dryer. The thread size on the water valve is 3/4 - 11.5 NHT. The water supply pressure should be 40-120 psi (2.8-8.2 bar). The system will spray at a rate of 6 gallons of water per minute while spraying. A flexible supply line to the dryer is required to prevent damage to the water valve. It is critical to ensure that the room temperature is kept above freezing in the area of the water pipes.

DRYER SHUTDOWN

To render the dryer inoperative, turn off the main gas shut-off valve and disconnect electrical power to the dryer.

IT IS RECOMMENDED THAT THE INSTALLER TEST THE DRYER FOR OPERATION AND INSTRUCT THE USER BEFORE LEAVING THE INSTALLATION.

Section 3:

Dryer Operating & Programing Instructions

OPERATING INSTRUCTIONS

STARTING THE DRYER

1) Turn on power to the dryer.

2) Load the laundry.

Place laundry in tumbler and close the door securely. Be sure laundry does not get caught between the door gasket and front panel when closing the door. Maximum load is the dry weight capacity listed in the specification sheet. Do not exceed the listed capacity weight.

3) Select dry cycle.

Select the appropriate cycle for the type of load being washed. Use the "UP" and "DOWN" keys to change the cycle on the display to the desired cycle and press the enter button to select.

4) Start dry cycle.

Press enter to start the cycle. The display will show cycle information throughout the cycle.

5) Pause dry cycle / End dry cycle

Press the red pause button to pause the cycle. Select Start to restart the cycle or select Cancel Cycle to end the dry cycle.

END OF CYCLE

A tone will sound (if programmed) and the display will indicate that the cycle has ended. Immediately remove contents of dryer. Leave the door open when the machine is not in use.

PROGRAMMING / MANAGEMENT VIEW

ENTER PROGRAMMING MODE

1. In the cycle selection screen, scroll to Management View at the beginning of the cycle list and select enter.
2. Enter Passcode and confirm by pressing enter.
3. Select desired option.

EDIT CYCLES

Cycles may be edited in the Edit Cycles selection. Within Edit Cycles, cycles may be edited, copied, reordered or deleted. After making edits, select Back/Exit until out of the option. Confirm changes when prompted to do so. When finished, select Back/Exit until you have returned to the cycle selection screen.

AUTODRY CYCLES

Autodry cycles will dry the load to the programmed percent remaining moisture. Available moisture selections are: 25%, 20%, 15%, 10%, 7%, 5%, 3%, 1% and 0%. These can be changed by editing cycles within the Management View. When the desired moisture remaining target has been met, the dryer will advance to the next drying stage. The drying temperature for an Autodry cycle is determined by the programmed selection for Material.

- Cotton 190 degrees F
- Blend 160 degrees F
- Synthetic 140 degrees F
- Wool 140 degrees F
- Delicate 120 degrees F
- Ultra-delicate no heat

NOTE: Autodry cycles will perform best with loads of the same material. Performance will vary with mixed-material loads.

OVERHEAT SENSING

All O-Series dryers are equipped with an Overheat Sensing System that will detect abnormally rising temperatures. If rising temperatures are detected, the control screen will display OVERHEAT TEMPERATURE DETECTED and an alarm will sound. If the loading door is closed, dryer models with reversing tumblers will begin tumbling after 5 seconds. A 24 VAC output signal will also be sent to the auxiliary terminal block in the control box on the rear of the dryer. This signal is available for customers to use with a supplementary system of their choice. For dryer models with the optional water-based fire suppression system, water will also intermittently be sprayed into the tumbler. If the Overheat Sensing System has been activated, the dryer should be inspected safely and appropriately. After inspecting the dryer, it may be returned to service by resetting the controller by pressing the RESET button on the main control board.

O-SERIES DRYERS PROGRAMMING WITH DEXTERLIVE



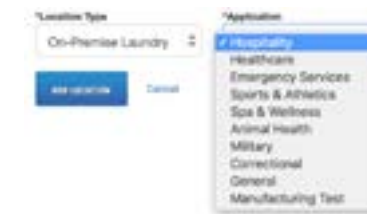
Our O-Series dryers are simple and easy to program using DexterLive.com. This guide will provide an overview of some of the features DexterLive offers and how to create the cycles that fit your location's specific needs.

Set-Up an Account and Location

If you don't already have a DexterLive account, it is easy to register at DexterLive.com.

Once you have an account, you can create a new location and customize that location by a specific application. Simply select on-premise laundry as your location type and the application type option will be available.

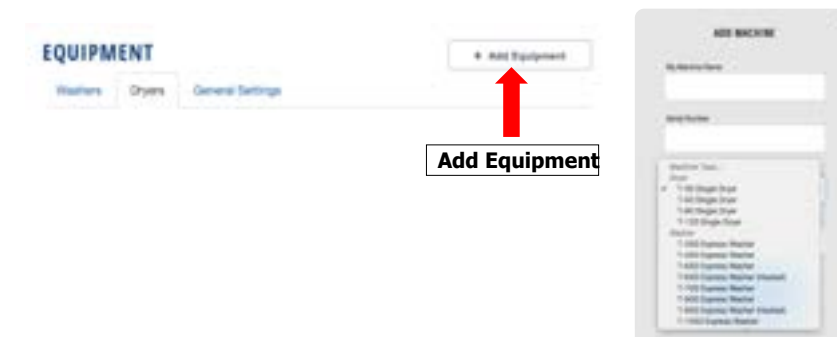
Tip: If you have multiple applications, you can provide a generic name (e.g., Motel) and use the same custom programs across multiple locations.



Add Equipment

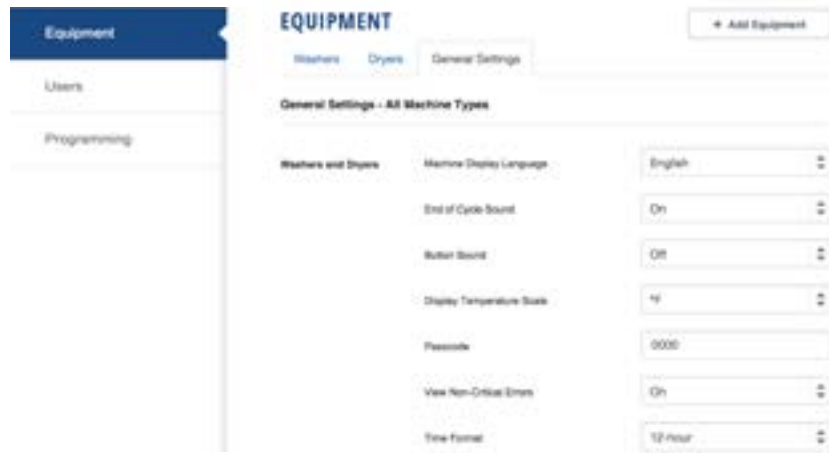
Before programming cycles, you need to add equipment. Because functionality differs between model types, it is important to select the right model. You can name your machine, input the serial number, and add the DexterLive ID if you choose. However, this information is not required.

Tip: To create a generic program to be used in many locations, leave the serial number and DexterLive ID blank.



General Settings

General settings will set the global parameters for your location. These parameters will impact all washers and dryers added to that location.



Setting	Options	Notes
Machine Display Language	Multiple	Changes the language of cycles, stages, and prompts that are displayed on the control. Individual cycles can still be set for different languages.
End of Cycle Sound	On / Off	Buzzer will sound when cycle is complete.
Button Sound	On / Off	Audible feedback when buttons are pressed.
Display Temperature	°F / °C	Choose between Fahrenheit or Celsius.
Passcode	0000 – 9999	Select a code for management screen access
View Non-Critical Errors	On / Off	Will display errors such as Slow Fill / Slow Drain during cycle. If OFF, these errors will still register in the cycle log, but will not be shown on the display.
Time Format	12 hr / 24 hr	Changes how time is displayed on the control.

Machine Settings

Most programming functions are available under the individual machine settings. Under this selection, you can review, edit, create, or delete cycles. There even is an option to enable or disable the ability to add time to a cycle.



Cycles

The cycle page allows you to add, edit, copy, delete, or reorder cycles.

	CYCLE NAME	TARGET TEMP	MATERIAL	TARGET			
Cycle 1	Towels	190°F	Cotton	Auto Dry - 1%	≡	🔄	🗑️
Cycle 2	Sheets - Cotton	190°F	Cotton	Auto Dry - 5%	≡	🔄	🗑️
Cycle 3	Sheets - Blend	160°F	Blend	Auto Dry - 5%	≡	🔄	🗑️
Cycle 4	Simple Cycle				≡	🗑️	

Legend		
	Edit Cycle	Select anywhere on the cycle description (cycle name, target temp, material, or target) to open the cycle details for editing.
≡	Reorder Cycle	Select and hold to move a cycle up or down in the listing. This will change the order it is displayed on the control.
📄	Copy Cycle	This will duplicate the cycle. Tip: It is easiest to edit an existing cycle instead of creating a new cycle. Copy the cycle that is closest to the cycle you want to create and edit that cycle. If a default cycle doesn't meet your needs, select "Add Cycle" and choose a default cycle from another application. You can always change the cycle name in the edit section.
🗑️	Delete Cycle	This will delete an existing cycle.
+ Add Cycles	Add Cycle	This will allow you to add a preset cycle from another industry or another location.

Simple Cycle

Simple Cycle is a quick and easy way to set a time dry cycle on the control. Choosing Simple Cycle allows a user to set the time and temperature of a cycle. It is recommended to keep Simple Cycle as an option within the cycle list.

Cycle Settings

A cycle can be edited by selecting on the cycle name in the Cycles page. The name and language can be customized for that specific cycle.

Cycle 1 - Towels Settings

Setting	Options	Description
Cycle Name	User Entered	Preset cycles come loaded with a name, but the user can customize the name, including using other languages. See tip below for more information.
Language	Multiple	Sets the language prompts for a cycle. This does not change the language displayed in other sections nor does it change the language in DexterLive. See tip below for more information.
Anti-Wrinkle Protection	On / Off	When activated, anti-wrinkle will automatically tumble a load every 5 minutes from when a cycle is complete to when the door is open or for 12 hours after cycle completion. It is important to keep anti-wrinkle ON since it reduces instances of spontaneous combustion.
Cycle Type	Auto Dry / Time	Auto Dry cycles will utilize the moisture detection system to determine the moisture level in a load, reducing the risk of overdrying. Auto Dry cycles are programmed based on the type of material being dried. Time cycles can be programmed for time and temperature.
Material Type	Cotton Blend Wool Delicate Synthetic Ultra-Delicate	The type of material being dried is critical for Auto Dry cycles as it determines the temperature and suggested relative moisture remaining. See table below for temperatures by material type.

Temperature Recording	Off / Stages	Records the maximum temperature reached at the desired stage. This is important for certain applications where temperature is critical.
Reversing Delay	Off 30 secs 60 secs 90 secs 120 secs	For reversing dryers, this sets the time for which the tumbler will change directions. For instance, if set to 30 seconds, the tumbler will rotate clockwise for 30 seconds, then reverse and rotate counterclockwise for 30 seconds.

Tip: If a location has multi-lingual employees, the same cycle can be duplicated and programmed for different languages. For example, in a location with English and Spanish speaking employees, program White Sheets to the desired settings. Copy that cycle, set that cycle language to Spanish, and note the name change to Sabanas Blancas. This will allow all employees to read the necessary prompts and descriptions on the control.

Material Type Settings

Material Type	Temperature
Cotton	190 °F / 88 °C
Blend	160 °F / 71 °C
Wool	140 °F / 60 °C
Delicate	120 °F / 49 °C
Synthetic	140 °F / 60 °C
Ultra-Delicate	No heat

Stages – Auto Dry

Auto Dry cycles are comprised of two stages – a heating stage and a cooldown stage.

Stage	Parameters	Options	Notes
Heating	Temperature	Preset	Preset based on material type
	Auto Dry Level	100% - 75%	Auto Dry level and Moisture Remaining are correlating numbers, giving you the option to program towards a specific dryness level (i.e., 95% dry) or to a moisture remaining level (i.e., 5% moisture remaining). Both numbers are shown to accommodate different industry types.
	Moisture Remaining	0% - 25%	
Cooldown	Temperature	Not selectable	Auto Dry cycles are set for no heat on Cooldown. Any heat during cooldown could impact the moisture content of a load missing the desired target level.
	Time	2 – 120 minutes	Time in cooldown. Every cycle must include a minimum two-minute cooldown to reduce the risk of spontaneous combustion.

Stages – Time Dry

Time Dry cycles are typically encompassed of two stages – a heating stage and a cooldown stage. However, time dry cycles also allow you to have multiple heating stages with different temperatures. You can program up to 19 heating stages and 1 cooldown stage.

Stage	Parameters	Options	Notes
Heating	Temperature	No Heat 100 °F – 190 °F / 38 °C – 91 °C	Sets the desired temperature for the stage. Temperature is programmable in 5 °F / 3° C increments.
	Time	0 – 120 minutes	Maximum cycle time is 120 minutes,
Cooldown	Temperature	Not selectable	Time Dry cycles are set for no heat on Cooldown.
	Time	2 – 120 minutes	Every cycle must include a two-minute minimum cooldown to reduce the risk of spontaneous combustion.
Add Stage			Adds a heating stage. The stage that is added is a direct copy of the last heating stage and can be edited.

Optional Settings: Add Time

These settings will only apply to that specific model type. For instance, optional settings for the T-80 will not apply to a T-50. These will need to be set individually by model.



DexterLive can control time adjustment options for the end user. Turning Add Time off would restrict users from adding time once a cycle is complete or during a cycle.

Programming

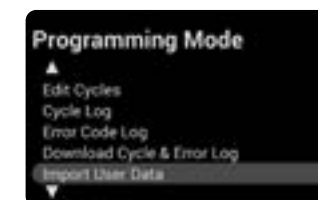
Once all cycles are set, the programming file (called userconfig.xml) can be downloaded following the instructions on the programming tab DexterLive.com.



At the machine, you can enter management view by pressing up on the idle screen.



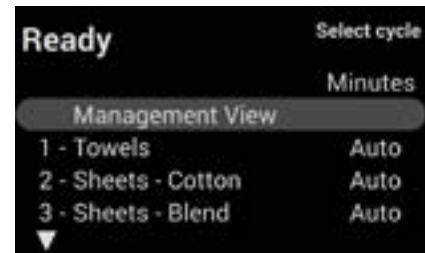
Simply insert the USB, scroll to Import User Data, and begin using your customized dryer cycles.



O-SERIES DRYER MANAGEMENT VIEW & MANUAL PROGRAMMING

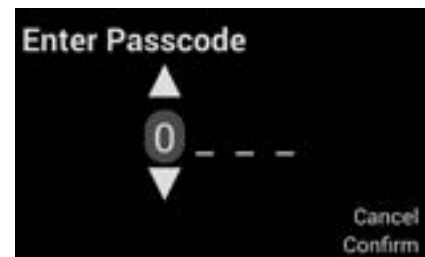
Management View

To enter Management View, select the up button while on the Ready screen. Management view is currently only available in English.



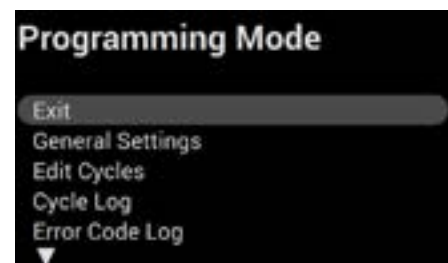
Passcode

Enter the passcode. The default passcode is 0000. It can be updated in DexterLive or in the management screens. Once changed, the passcode cannot be recovered without performing a factory reset.



Programming Mode

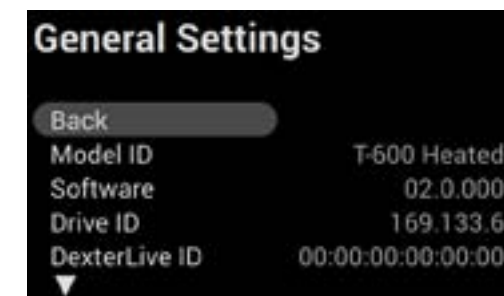
This section controls machine settings and programming, and allows you to upload firmware or download cycle logs.



Programming Mode Selections

Selection	Description
General Settings	Provides basic machine information, time and date settings, and global machine settings
Edit Cycles	You can edit, copy, reorder, or delete cycles. Note: It is easier to program cycles on DexterLive.
Cycle Log	Displays detailed information from the last 300 cycles
Error Code Log	Displays the code and timestamp of the last 300 error codes
Download Cycle & Error Log	Provides data that can be used for management reporting, including idle time, lag time, cycles per shift, and error codes
Import User Data	Allows you to import a DexterLive.com programming file from a USB
Download User Data	Enables you to copy cycle information and upload to similar machine types
Sync Auto Dry	Syncs the stationary and rotating moisture detection boards.
System Upgrade	Upgrades firmware from a USB. Updated versions of the firmware can be found on DexterLive.com
Factory Reset	Resets all parameters, including cycle settings, to factory default.

General Settings



Selection	Description
Model ID	Model identifier – this is determined by the model jumper on the control board
Software	The version of firmware controller is using. Tip: Check on DexterLive.com or Go.Dexter for the latest firmware versions.
Drive ID	Variable frequency drive identification. Only on reversing models.

DexterLive ID	Unique DexterLive identification for the control
Language	Sets the global language for the machine
Passcode	Passcode for entry into the management screens. Default is 0000.
Temperature Units	Selects how the temperature will be displayed – Fahrenheit or Celsius
Time Format	Select between 12-hour or 24-hour time
Time Zone	Select the location's time zone. This will be updated for daylight savings time, depending on the time zone selected.
Date	Set the current date
Time	Set the correct time
Out of Service	Puts the machine out of service
Motor1 Hours	This tracks the hours the motor has been in use. If you change the motor, you can adjust this up or down as appropriate. 000000 – 999999
Motor2 Hours	This tracks the hours the motor has been in use and can be used to continue tracking total machine usage, even if Motor1 has been reset to 000000. Input is 000000 – 999999.
Non-Critical Error Codes	Turns off display of non-critical error codes such as no heat rise. These errors will still be recorded in the error log.
Simple Cycle	Sets where in the cycle list Simple Cycle is displayed. If set for "0", Simple Cycle will not be displayed.
Button Sound	Turns on / off audible feedback when button selections are made
Add Cycle Time	Turns on / off the ability to add time during or at the end of a cycle
End of Cycle Sound	Turns on / off end of cycle audible notification

Edit Cycles

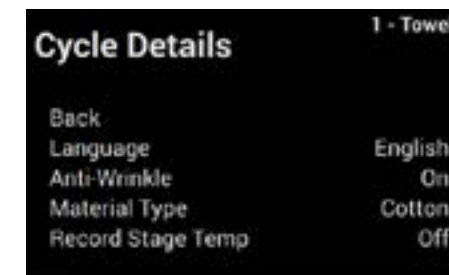
Note: We recommend using DexterLive.com to edit, copy, reorder, or delete cycles.



Edit Cycle – Auto Dry

Note: You cannot change between auto and time dry on the control. That can only be done using DexterLive.com.

To edit a cycle on the control, simply select the cycle you want to edit. See the reference below for definitions and parameters. Note: Cycles or stages cannot be renamed on the control.



Definitions and parameters:

Parameters	Options	Description
Language	Various	Changes the language of the prompts and information displayed within the cycle. It does not change the global language of the machine.
Anti-Wrinkle	On / Off	Turns anti-wrinkle on or off at the end of that cycle. Note: It is strongly recommended that anti-wrinkle remains ON to avoid spontaneous combustion.
Material Type	Cotton Blend Synthetic Wool Delicate Ultra Delicate	Sets the material type (and subsequent temperature) for the load to improve the sensing capability of the wireless moisture detection system. See chart below for temperatures by material type.
Record Stage Temp	Off / Heating / Cooldown	The control will record the highest temperature reached in a stage. This is valuable for applications where temperature is critical.
Reversing Delay	Off 30 secs 60 secs 90 secs 120 secs	Only available on reversing dryers, this sets the time for which the tumbler will change directions. For instance, if set to 30 seconds, the tumbler will rotate clockwise for 30 seconds, then reverse and rotate counterclockwise for 30 seconds.

Material Type Settings

Material Type	Temperature
Cotton	190 °F / 88 °C
Blend	160 °F / 71 °C
Wool	140 °F / 60 °C
Delicate	120 °F / 49 °C
Synthetic	140 °F / 60 °C
Ultra-Delicate	No heat

Edit Stage – Auto Dry

Definitions and parameters:

Parameters	Options	Description
Temperature	None	Displays the set temperature for the cycle. Note: This is controlled by the material type selected.
Moisture	0%, 1%, 3%, 5%, 7%, 10%, 15%, 20%, 25%	Sets the target moisture remaining level for the cycle
Cooldown – Drying Time	2 – 120 minutes	Sets the cooldown time. Every cycle must have a 2 minute cooldown.

Edit Cycle – Time Dry

Note: You cannot change between auto and time dry on the control, use DexterLive.com

To edit a cycle on the control, simply select the cycle you want to edit. See the reference below for definitions and parameters. Note: Cycles or stages cannot be renamed on the control.

Definitions and parameters – Time Dry Cycles:

Parameters	Options	Notes
Language	Various	Changes the language of the prompts and information displayed within the cycle. It does not change the global language of the machine.
Anti-Wrinkle	On / Off	Turns anti-wrinkle on or off at the end of that cycle. Note: It is strongly recommended that anti-wrinkle remains ON to avoid spontaneous combustion.

Record Stage Temp	Off / Heating / Cooldown	The control will record the highest temperature reached in a stage. This is valuable for applications where temperature is critical.
Reversing Delay	Off 30 secs 60 secs 90 secs 120 secs	For reversing dryers, this sets the time for which the tumbler will change directions. For instance, if set to 30 seconds, the tumbler will rotate clockwise for 30 seconds, then reverse and rotate counterclockwise for 30 seconds.

Edit Stage – Time Dry

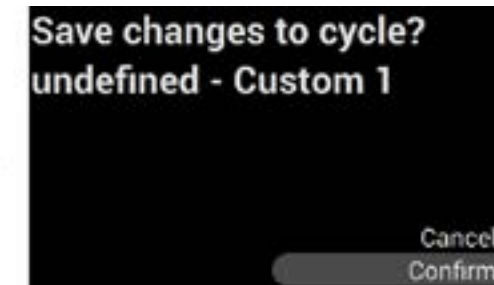
You can edit, copy, or reorder time dry stages.

Definitions and parameters:

Parameters	Options	Notes
Drying Time	1 – 120 minutes	Sets the drying time of that cycle. Note: The total cycle time cannot exceed 120 minutes, including cooldown.
Temperature	No Heat, 100 – 195F (in 5 degree increments)	Sets the temperature of that stage.

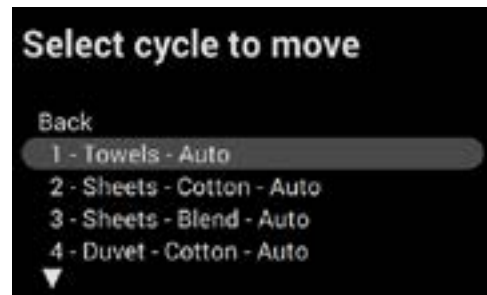
Copy Cycle

To copy a cycle, simply select the cycle you wish to copy, make any necessary edits to that cycle, and then save the changes. The cycle will then appear at the bottom of the cycle list named "Custom 1". The order in which the cycle is displayed can be adjusted following the steps to reorder a cycle. Note: Cycles or stages cannot be renamed on the control.



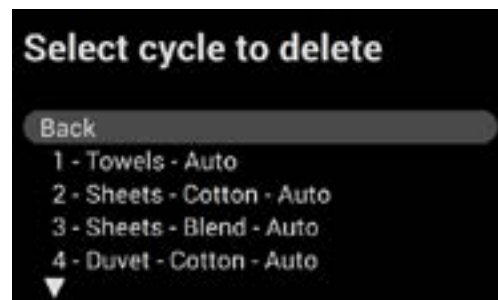
Reorder Cycle

To reorder a cycle, simply select the cycle you wish to move, and then proceed to move it up or down in the cycle list. Once it is in the right order, hit enter again to confirm the location.



Delete Cycle

To delete a cycle, select the cycle you wish to delete and confirm your selection.



Cycle Log

The Cycle Log will display detailed information of the last 300 cycles. This includes:



Information	Description
Date / Time	Displays the day and time the cycle start. Cycles are listed with the most recent cycle first.
Actual Time	Time from when the cycle is started to when the cycle ends.
Idle Time	Time from when the door is opened to the start of the next cycle.
Target Time	Programmed cycle time. This is always set to 2:00 on auto dry cycles.
Max Temperature	The highest temperature reached during a cycle.

Error Code Log

The Error Code Log will display the code, date and time of the last 300 errors. It will display the most recent error first.

Download Cycle & Error Log

You can download detailed data on cycle and error codes. This will allow you to analyze the productivity of your laundry, including downtime and productivity by shift. The control will populate all data into one file. If you have multiple machines at a location, all data will be populated in one file. See reporting information for instructions on how to utilize this feature.

Import User Data

This setting enables you to import cycle settings configured on DexterLive.com. Simply insert a USB with the user file (userconfig.xml), select "Import User Data", select Confirm, and the user file will be uploaded to the machine. It will replace all other cycles previously programmed.

Download User Data

To copy cycles directly from one machine to another, insert a USB, select "Download User Data", and the user file will be copied. This file will only be applicable to similar model types.

Sync Auto Dry

If a moisture detection board is replaced or becomes unpaired with the control board, a sync is required. Simply align both the stationary and rotating boards on the back of the machine and select Sync Auto Dry. If the sync is successful, the board will display "Auto Dry Sync Successful". Please reference the service manual for troubleshooting guides if the sync is not successful.

System Upgrade

To upgrade firmware, select System Upgrade and confirm the upgrade. This will keep all programmed cycles and cycle and error code logs. Data, and the user file will be copied. This file will only be applicable to similar model types.

Factory Reset

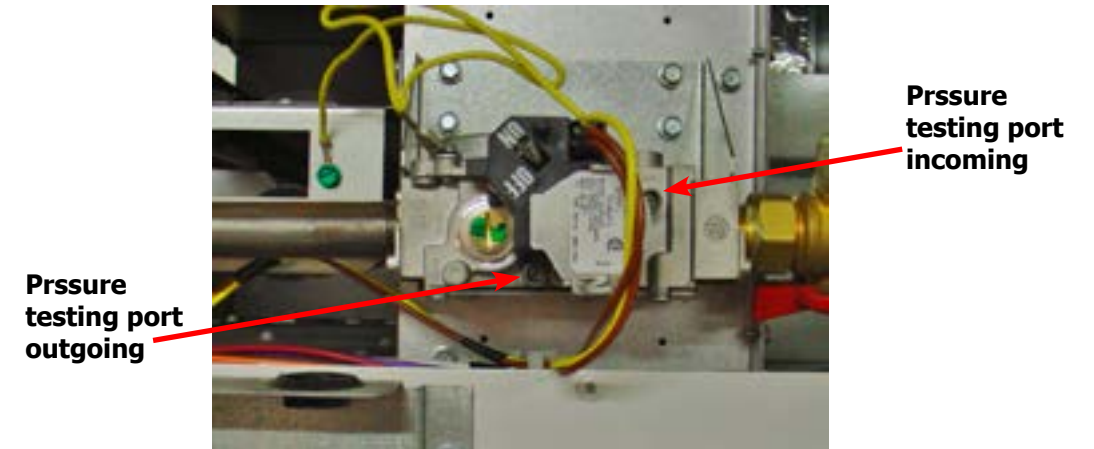
Select Factory Reset to return all settings, including programmed cycles and settings to the factory default settings. This will clear all cycle and error code logs, but will retain the motor hours.

Section 4: Dryer Service, Trouble Shooting and Schematics

Service Procedures

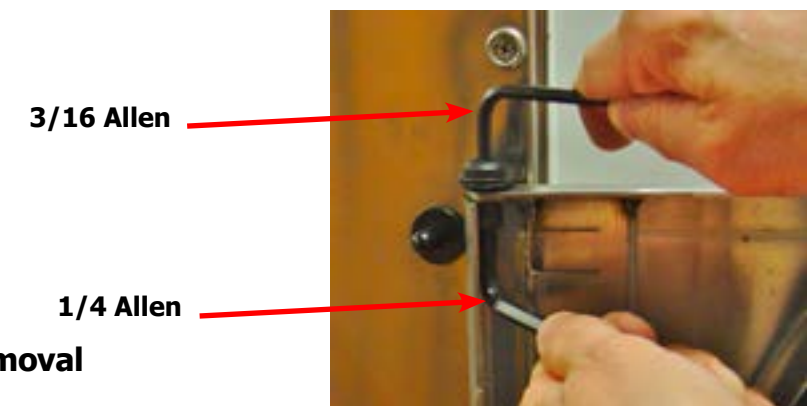
Pressure Testing

The dryer and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (14" water column). The dryer must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig.



Clothes Door Removal

- Step 1: Open door and remove inner hinge plate cover by removing the two Phillips screws.
- Step 2: The clothes door may be removed from the hinge bracket by unscrewing and removing the top 3/16 allen head pivot screw located at the door upper hinge point, you will also need to use a 1/4 allen wrench in the lower fastener.
- Step 3: Next lean the door out of the top of the hinge bracket and lift the door from the bottom hinge pin.



Front Panel Removal

- Step 1: Remove the loading door from the panel (optional, the front panel may be removed without taking off the door).
- Step 2: Open upper service door, and remove lint door.
- Step 3: Then remove the two left side phillips screws w/beveled washers and the two right side phillips w/beveled washers screws. Next disconnect door switch wires from back of loading door switch.

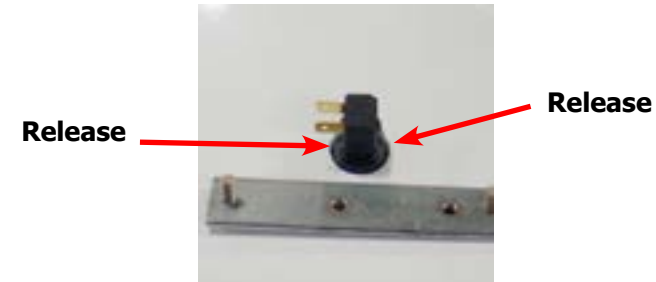
Door Switch Removal & Installation

Step 1: Remove front panel (see front panel removal).

Step 2: Next disconnect door switch wires from back of loading door switch. Remove door switch by depressing the two tabs on switch and remove from the front of the panel.

Note: For the 80lb, you will have to remove the door switch cover first by removing the two 3/8" nuts.

Step 3: Reassemble in reverse order.



Door Switch Operation & Testing

The normally open door switch must be closed (0 ohms resistance) for the motor and heat circuits to operate. When the door is opened, the door switch opens the 24 volt control circuit.

Clothes Door Reversal (OPL only) 30Lb

Step 1: Remove the loading door from the panel, Open the door and remove the inner hinge plate cover by removing the two Phillips screws. The clothes door may be removed from the hinge bracket by unscrewing and removing the top 3/16 allen head pivot screw located at the door upper hinge point, It will be necessary to use a 1/4 allen wrench in the lower fastener. Next lean the door out of the top of the hinge bracket and lift the door from the bottom hinge pin (optional, the front panel may be removed without taking off the door).

Step 2: Open upper service door, and remove lint door.

Step 3: Then remove the two left side phillips screws w/beveled washers and the two right side phillips w/beveled washers screws.

Step 4: Next disconnect door switch wires from back of loading door switch. Remove door switch by depressing the two tabs on switch and remove out front.

Step 5: Remove switch plug from left side and switch to right.

Step 6: Install switch in left side switch hole by inserting from front until switch clips snap and lock into front panel. Move Door switch wiring in the upper compartment from the right side to the left

Step 7: Moving Hinge strap from right side to left side. Remove the four Phillips countersunk screws and remove hinge strap and release the hinge strap back plate.

Step 8: Remove the left side four button head Phillips screws and transfer to the right side hinge back up plate.

Step 9: move hinge strap to left side, make sure side with pin is on the bottom, reinsert the four countersunk Phillips head screws.

Step 10: set door with hinge plate back onto the lower hinge strap pin first, next using 1/4" allen wrench and lower door hinge fastener and fastening with the 3/16" allen screw, next replace the inner door hinge plate cover with the two Phillips head screws.

Step 11: Reconnect Door switch harness and replace front panel in reverse operation.



Clothes Door Reversal (OPL only) 50Lb

Step 1: Remove the loading door from the panel Open door and remove inner hinge plate cover by removing the two Phillips screws. The clothes door may be removed from the hinge bracket by unscrewing and removing the top 3/16 allen head pivot screw located at the door upper hinge point, you will also need to use a 1/4 allen wrench in the lower fastener. Next lean the door out of the top of the hinge bracket and lift the door from the bottom hinge pin

Step 2: Open upper service door, and remove lint door.

Step 3: Then remove the two left side phillips screws w/beveled washers and the two right side phillips w/beveled washers screws. Next disconnect door switch wires from back of loading door switch.

Step 4: Next disconnect door switch wires from back of loading door switch. Remove door switch by depressing the two tabs on switch and remove out front.

Step 5: Remove switch plug from left side and switch to right.

Step 6: Install switch in left side switch hole by inserting from front until switch clips snap and lock into front panel.

Step 7: Moving Hinge strap from right side to left side. Remove the four Phillips countersunk screws and remove hinge strap and release the hinge strap back plate. Leave the Phillips button head in place because it holds the hinge back plate in place.

Step 8: Remove the left side two upper and the two lower Phillips button head screws and transfer the screws to the right side hinge back up plate. Leave the upper bottom screws and the lower top screws in place.

Step 9: Move hinge strap to left side, make sure side with pin is on the bottom, reinsert the four countersunk Phillips head screws.

Step 10: Set door with hinge plate back onto the lower hinge strap pin first, next using 1/4" allen wrench and lower door hinge fastener and fastening with the 3/16" allen screw, next replace the inner door hinge plate cover with the two Phillips head screws.

Step 11: Reconnect Door switch harness and replace front panel in reverse operation.

Clothes Door Reversal (OPL only) 80Lb

Step 1: Remove the loading door from the panel Open door and remove inner hinge plate cover by removing the two Phillips screws. The clothes door may be removed from the hinge bracket by unscrewing and removing the top 3/16 allen head pivot screw located at the door upper hinge point, you will also need to use a 1/4 allen wrench in the lower fastener. Next lean the door out of the top of the hinge bracket and lift the door from the bottom hinge pin

Step 2: Open upper service door, and remove lint door.

Step 3: Then remove the two left side phillips screws w/beveled washers and the two right side phillips w/beveled washers screws. Next disconnect door switch wires from back of loading door switch.

Step 4: Remove door switch cover, remove the 2 3/8" nuts holding cover, next remove switch by depressing the two tabs on switch and remove out front.

Step 5: Remove switch plug from left side and switch to right.

Step 6: Install switch in left side switch hole by inserting from front until switch clips snap and lock into front panel.

Step 7: Moving Hinge strap from right side to left side(Note: on the 80Lb. the hinge back plate and the stiffener have to be moved to the posit side). Remove the four Phillips countersunk screws and the two button head Phillips screws remove hinge strap and release the hinge strap back plate.

Step 8: Remove the left side three upper and the three lower Phillips button head screws transfer the screws and the stiffener to the right side hinge position.

Step 9: move hinge strap and hinge back plate to left side, make sure side with pin is on the bottom, reinsert the four countersunk Phillips head screws and the two button head screws.

Step 10: Reinstall the switch box cover by replacing the two 3/8 nuts.

Clothes Door Reversal (OPL only) 80Lb Cont.

Step 11: set door with hinge plate back onto the lower hinge strap pin first, next using 1/4" allen wrench and lower door hinge fastener and fastening with the 3/16" allen screw, next replace the inner door hinge plate cover with the two Phillips head screws.

Step 12: Reconnect Door switch harness and replace front panel in reverse operation.

Clothes Door Latch Adjustment

Step 1: Loosen the lock nut on the latching stud. It is located directly behind the door handle.

Step 2: Open the loading door.

Step 3: Screw the door catch stud in or out as necessary and then retighten the lock nut.



Installation of Clothes Door Window & Gasket

Step 1: Remove the loading door.

Step 2: Place the clothes door, with its face down, on a solid surface.

Note: Pre-warming the gasket under a heat lamp makes the installation much easier.

Step 3: Put the door glass gasket on the loading door with the ridges in the wide side up. Locate the seam at the door latching stud.

Note: The gasket has one narrow opening on one side and a wide opening on the other. The narrow side mounts to the door. The wide side holds the glass. The wide side has ridges on one interior lip. This ridged side should go up with the door lying face down.

Step 4: Coat the inside and outside of the gasket with rubber lubricant or liquid soap.

Step 5: Slide the glass into the middle of the gasket with half of the glass above the door and half below the door.

Step 6: While pressing on the glass, use a modified screwdriver (grind the end off so that it is round and put a slight bend in it) and run it around half of the glass.

Step 7: With half of the glass installed, turn the door over and repeat step 6.

Step 8: Insert the modified screwdriver at the 6 o'clock position and pry the glass up enough to install the door glass support spacer (small diameter rubber tube).



Glass inserted half way

High Limit Thermostat Locations & Functions Burner Housing

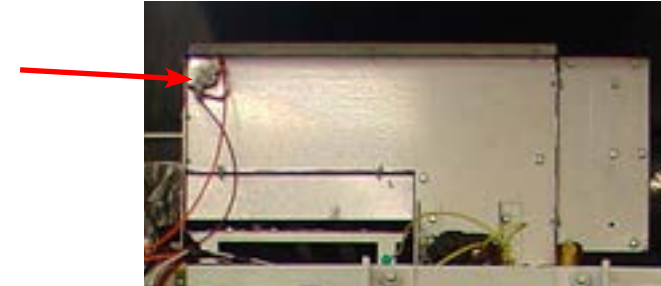
This hi-limit is located on the rear of the burner housing.

STEP 1: The thermostat opens the circuit to the main burners in the event of malfunction in the gas control area or temperature control. This thermostat will open quickly if there is a significant loss of air flow over the burner area.

STEP 2: It is held in place by two screws. There are spacers between the thermostat and bracket which must be used to give proper operation.

Removal : To remove the hi-limit thermostat on the side of the burner housing, remove the terminal of each wires attached to the thermostat. Lastly, remove the mounting screws holding the thermostat to the burner housing.

High Limit Thermostat



Manual Resettable Over Temperature Safety Thermostat

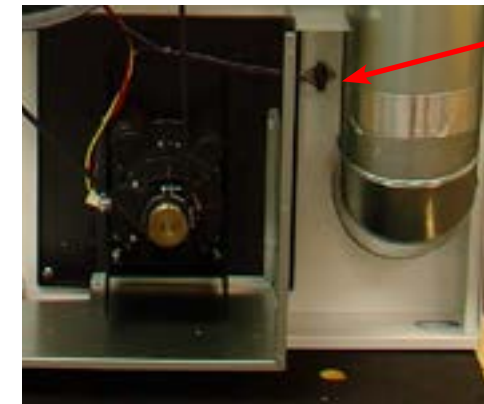
The second hi-limit thermostat is located outside the rear exhaust opening mounted on the left side of the exhaust duct at the rear outlet height.

Step 1: The manually resettable thermostat limits the operating temperature a dryer can reach should some abnormal situation occur.

Step 2: Should the thermostat be tripped, the dryer will cease to heat until the thermostat is reset. Once the dryer cools, the thermostat may be reset by pushing the button in.

REMOVAL: To remove the manual resettable over temperature safety thermostat next to the exhaust duct. First, remove the terminals of each wire attached to the thermostat. Next, remove mounting screws holding the thermostat to the dryer cabinet.

Overtemp Thermostat



Pressure Regulator Adjustment

Use the following procedure whenever it is necessary to check the pressure regulator setting.

NOTE: Any adjustment of the pressure regulator must be made with a manometer attached at the plug in the main burner manifold.

Step 1: Shut off the gas supply to the dryer.

Step 2: Remove the 1/8" pipe plug from the end of the main burner manifold.

Step 3: Attach a manometer to the manifold end.

Step 4: Remove the pressure regulator cover screw on the gas valve.

Step 5: Open the shut-off valve, and operate the dryer.

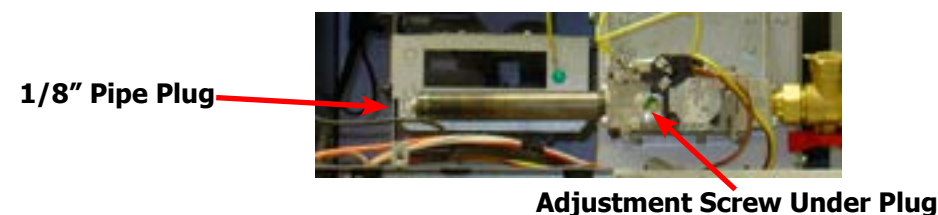
Step 6: Adjust the pressure for a manometer reading of 3.5" water column gas pressure. (11.0" for L.P.)

NOTE: The main burners must be operating when adjusting the pressure regulator.

Step 7: Shut off the gas supply to the dryer. Remove the manometer and install the 1/8" pipe plug in the manifold.

Step 8: Open the shut off valve, start the dryer and check for gas leaks while the burners are ignited.

NOTE: Always remove power from the machine before changing drive belts or working with the drive and fan system.



Final Drive Belt Replacement

To replace the final drive belt turn the cylinder slowly by hand and work the belt off of the large pulley.

Motor Drive Belt Replacement

To replace the motor drive belt the final drive belt should be removed as above. Next turn the intermediate drive pulley and work the belt off of it similarly to the above belt.

Blower Motor Removal

Step 1: Remove Rear upper and lower Belt pulley guards.

Step 2: Remove rear electrical box cover.

Step 3: Remove left and bottom side guard.

Step 4: Remove belts.

Step 5: Disconnect wires from the over temperature switch and cut the two wire ties securing gray wire to motor harness.

Step 6: Remove the wire clamp holding motor wire loom to cross member by removing the 5/16 screw.

Step 7: Remove the two beaded ties securing harness behind pulleys.

Step 8: Remove last wire tie connecting gray wire to motor harness.

Step 9: Next, inside the rear control box disconnect red wire, 1/4 inch quick connect inside splice connector.

Step 10: Remove black and yellow wires from R1 relay.

Step 11: Remove motor harness from control box.

Step 12: Next remove blower motor, back plate, and impeller from machine by removing the four 9/16 nuts.

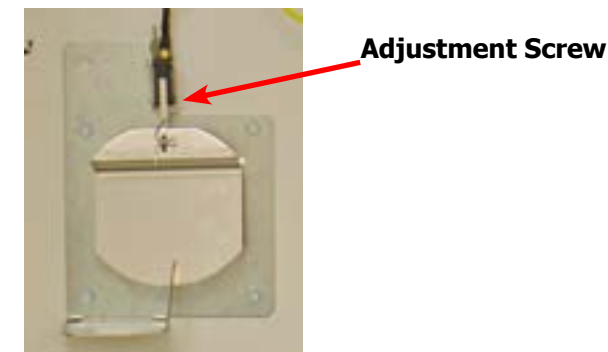
Reassemble in reverse order.

Blower Impeller Removal

Remove Blower motor assembly. Take notice of the location of the impeller location on the shaft. Remove the two set screws that hold the motor to the shaft.

Airflow switch removal and adjustment

The air switch assembly is part of the ignition safety circuit and insures that the burner doesn't operate unless there is airflow. If this doesn't happen, ignition will not occur. The air switch assembly is located on the back of the Dryer.



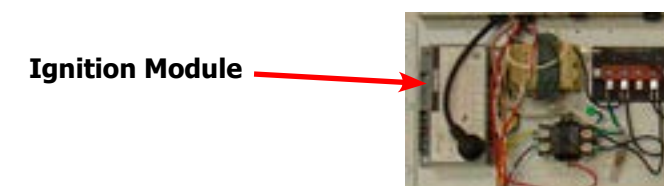
Electronic Ignition Module

This machine uses an electronic spark ignition system to directly light the burners.

Step 1: The electronic ignition module (gray box) is located inside the rear control box.

Step 2: The red wire from the transformer provides 24 VAC through the 1.5 amp fuse and into the module to operate the entire direct ignition system.

Step 3: The black colored hi-voltage wire (spark plug type) plugs onto the post connector the module, and the multi-wire plug fits into the side of the module.



Spark Electrode Assembly-Removal

Step 1: Disconnect wires to electrodes.

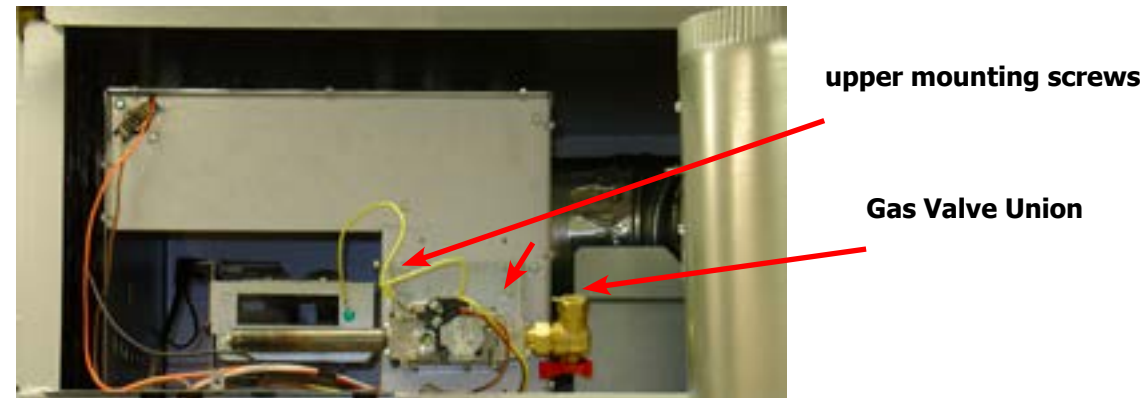
Step 2: Remove two screws to detach electrode assembly.

NOTE: Proper grounding of the ignition system (yellow wires) is very critical for proper ignition sequence. If there is no spark or intermittent spark, check black hi-voltage lead wire for damage or cracks in insulation. This lead wire must not be taped or connected to any metal edges along its length to prevent pinching and arcing. Also, do not bundle this wire with other wires.

Note : Spark gap and electrode location are important. If the electrode is damaged or mounting is changed the spark gap may not be correct for ignition to occur. Check for cracks in the ceramic insulator. Replace electrode assembly if necessary. Also check for carbon or foreign material on the electrodes and clean if necessary.

Gas Valve & Manifold Removal

- Step 1: Disconnect union at gas valve and disconnect wires from gas valve operator coils.
Step 2: Remove Gas Valve mounting bracket by removing the 4 5/16 screws.



Main Burner Orifice Removal

- Step 1: Remove manifold and gas valve assembly as above.
Step 2: Using an open end wrench, remove orifices from manifold.



Main Burner Removal

Remove manifold & gas valve assembly as previously discussed. Remove the four 9/16 screws securing the front of the burner to the support bracket. The burners may now be removed.

Cylinder Pulley Removal

30Lb

Remove bolt and washers holding pulley to cylinder shaft. Reinsert bolt then using two or three jaw puller Pull pulley straight off of shaft.

50Lb & 80Lb

Remove bolt and washers holding pulley to cylinder shaft. Reinsert bolt then using "T" puller w/ 3/8-16UNC bolts, Pull pulley straight off of shaft

Intermediate Pulley Removal

30Lb & 50Lb

The intermediate pulley can be removed by removing the snap ring holding the pulley to the tension arm.

Note: Cylinder pulley must be removed first.

80Lb

The intermediate pulley can be removed by removing the nut holding the pulley to the tension arm.



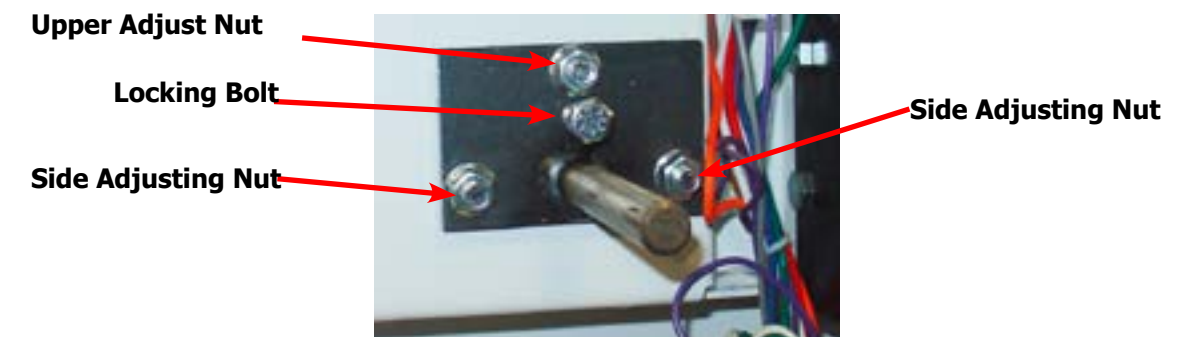
Tension Arm Assembly Removal

The tension arm assembly may be removed by removing the snap ring that holds it to the tension arm support assembly pin. If it is necessary the arm assembly is replaced as a complete unit.



Tension Arm Support Assembly Adjustment

The tension arm support assembly may be adjusted for alignment of the intermediate pulley and also to align the belts. The three outer nuts allow the alignment of the pin to be adjusted by pivoting the assembly on the center bolt. The center bolt can be screwed in to allow bringing the complete assembly farther back if necessary for belt alignment.



Cylinder Removal

- Step 1: Remove the front panel in front of the cylinder.
- Step 2: Remove drive belt, bolt, washers, and pulley.
- Step 3: Pull the cylinder from the front of the machine.

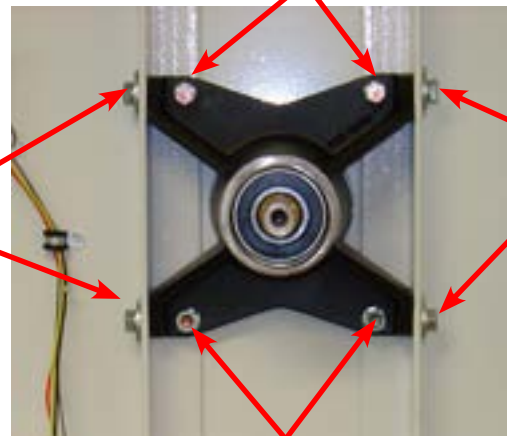
Adjustment of Cylinder Assembly

- Step 1: Loosen the two top adjusting bolts and two bottom adjusting nuts and lock nuts holding the bearing housing to the drive plate.
- Step 2: Loosen the four mounting bolts on the side channels.
- Step 3: Open the clothes door and insert a 1/2" thick shim at the 3 and 9 o'clock positions and a 1/4" thick shim at the 6 o'clock position.
- Step 4: Tighten the two bottom adjusting nuts and tighten locking nuts.
- Step 5: Tighten the bottom right mounting bolt, then the top left mounting bolt. Tighten the remaining two bolts. (Shim where and if necessary.)
- Step 6: Tighten the two top adjusting bolts.
- Step 7: Remove all the shims from between the front panel flange and cylinder (3,6,9 and 12 o'clock).
- Step 8: Spin the cylinder to check for rubbing baffles, pressing down hard while rotating. If rubbing is detected, repeat procedure paying particular attention to placement of shims between bearing housing and side channels.

Locking Bolts

Adjusting Bolts

Locking Bolts



Adjusting Nuts

Bearing Housing Removal

After removing cylinder as previously outlined, simply unbolt the four outside bolts and the two lower nuts and remove the bearing housing.

RMC Replacement and Adjustment

The 3 main components are the Sensing strip mounted in the tumbler. The rotating sensor mounted on the trunnion, and the stationary sensor sending and receiving the signals from the sensing strip.

9558-034-001
Sensing Strip, Moisture



9857-248-001
Rotating PCB, RMC

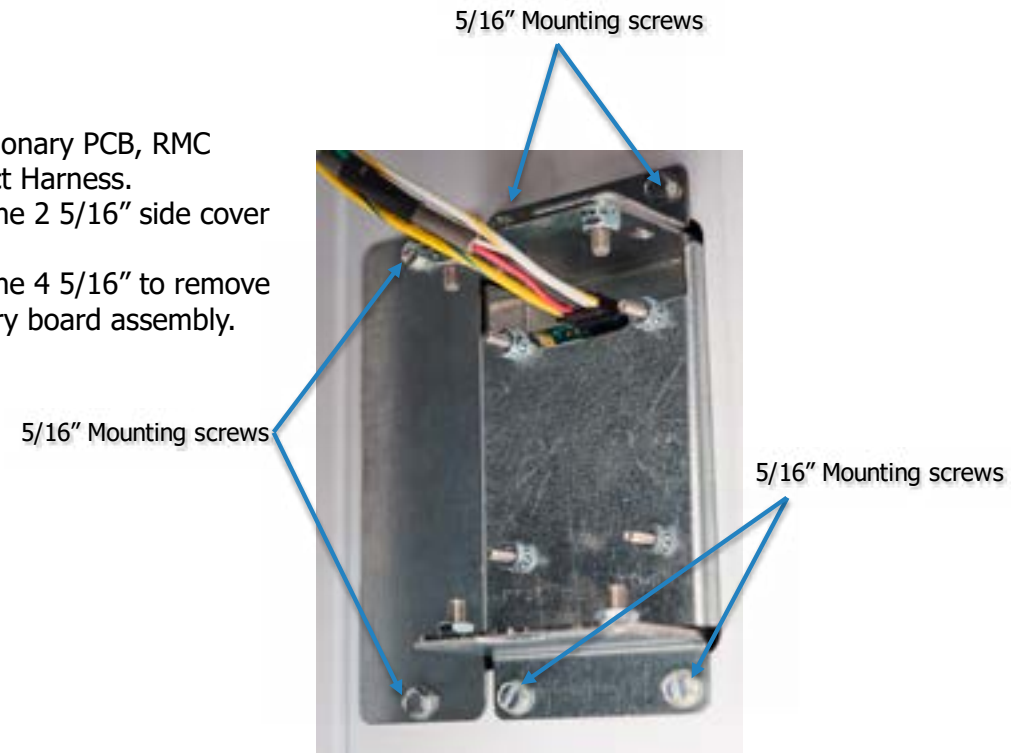


9857-247-001
Stationary PCB, RMC



Removing RMC Stationary Board

- To Remove the Stationary PCB, RMC
1. Disconnect Harness.
 2. Remove the 2 5/16" side cover screws.
 3. Remove the 4 5/16" to remove the Stationary board assembly.



Removing RMC Rotating Board

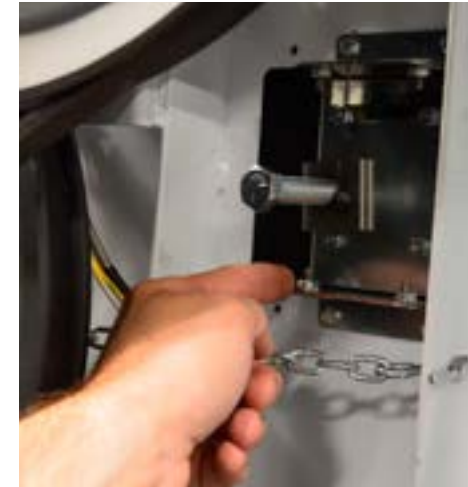
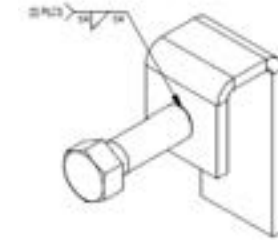
- To Remove the Rotating PCB, RMC
1. Disconnect Harness.
 2. Remove the front and rear 5/16" screws.
 3. Remove the Rotating module from machine.
 4. Reinstall in reverse order.



Adjusting the RMC Stationary PCB

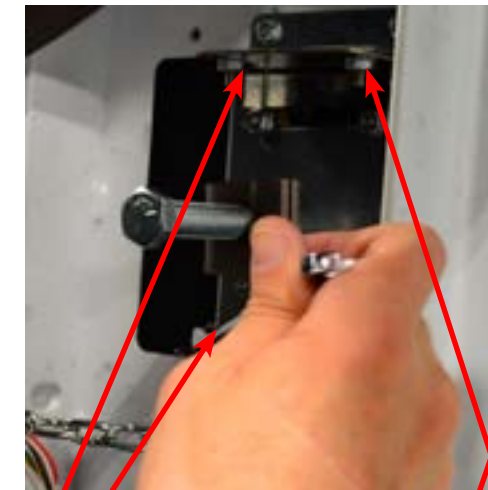
After replacing Stationary Board.

1. Loosen the 4, 3/8" adjustment nuts.



2. Install the adjustment gauge (8545-065-001) the gap is 3/16". (Make sure the stationary board cover is in place.)

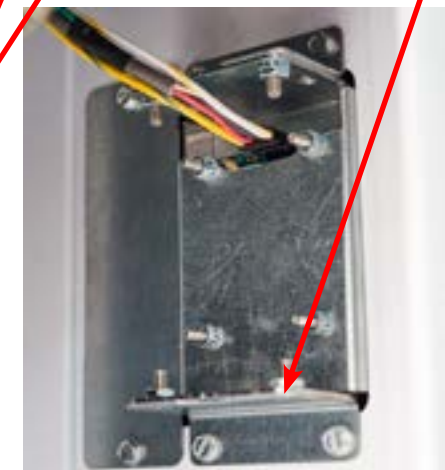
3. With gap tool installed push until the stationary board comes in contact with rotating board. This will set the spacing at 3/16 of an inch between the stationary and rotation PCB boards.



Right side adjustment nut tighten First.

4. Tighten the Right side first then the left side.

Left side upper and lower tighten after right side



5. Replace the left side cover. Reconnect the harness to the stationary board.

Sync Auto Dry

If a moisture detection board is replaced or becomes unpaired with the control board, a sync is required. Simply align both the stationary and rotating boards on the back of the machine and select Sync Auto Dry. If the sync is successful, the board will display "Auto Dry Sync Successful". Please reference the service manual for troubleshooting guides if the sync is not successful.

Spark Electrode Assembly-Function

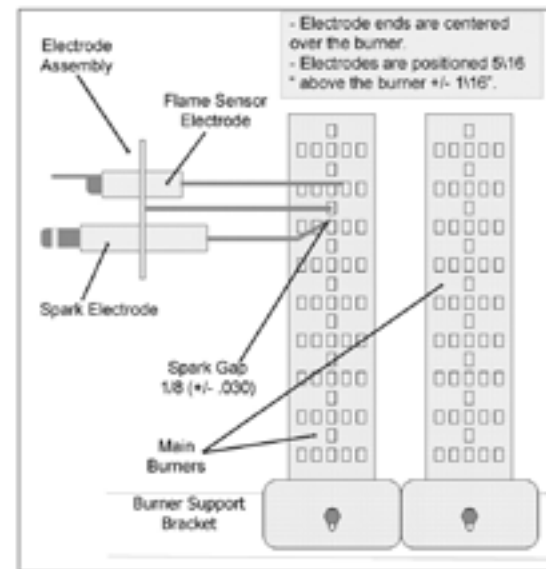
- Step 1: The spark electrode and sensing electrodes are located directly at the side of the burner housing.
- Step 2: The electrode with the black hi-voltage wire conducts the spark to the center grounding probe, directly over the burner.
- Step 3: The electrode with the black sensing wire detects ignition and monitors flame by signaling the module.

NOTE: Proper grounding of the ignition system (yellow wires) is very critical for proper ignition sequence.

Ignition System-Function & Sequence

During normal dryer operation, the following occurs:

1. The dryer electronic control calls for heat.
2. From the 24VAC control transformer, voltage for the heat circuit is applied to the control through the door switch. If the control detects that the heat should be on, a circuit is closed providing power through the over-temp thermostat, the air damper switch, the high limit switch and the motor centrifugal switch to the Ignition Module.
3. Once the 24VAC reaches the ignition module on the red, sparking occurs at the ignition electrode and 24VAC is applied to open the Gas Valve.
3. Once the flame is established, the sensing electrode detects the presence of flame and the sparking stops.
4. If for any reason the flame is not established in a period of 10 seconds, the electronic control will try this sequence for 3 tries. Normally the 10 seconds "Trial For Ignition" period is ample to establish and prove flame.
5. If the flame is shutdown or blown out during operation, the ignitor will immediately go into "Trial. For Ignition" again for 10 seconds.
6. However, at the end of 3 separate retries of 10 seconds "Trial for Ignition", the flame is not established, the ignition system goes into "Safety Lock-Out" and will not reactivate the "Trial for Ignition" until there is a current interruption for a period of 15 seconds. This interruption can be provided by opening the dryer loading door and allowing the machine to come to a complete stop for 15 seconds.



Dryer Trouble Shooting

DRYER ERROR MESSAGES

The O-Series dryer control reacts to various abnormal conditions by displaying an Error message. These messages usually contain the "Error" text, and then a general description of the message. Below is a listing of Error messages separated by each potential displayed message in bold face. Each is followed by:

- Condition that creates the displayed message on the control
- Action that the control takes responding to the condition
- Exit is the method the user (or the control) should use to bring the machine back to normal operation.

The actual displayed message on the control may contain the general description listed below and additional details (such as number or additional text). However, the condition, action or exit qualities of the error message should be the same for all variations.

OPERATION IN PROGRESS	
Condition	This error occurs when the user is attempting to start a machine operation while another operation is ending.
Control Action	When detected, the control does not respond to user input on the buttons. There is no delay in the action once the criteria are met. The control will finish the current operation while displaying "OPERATION IN PROGRESS". Once the operation is complete, the error will no longer be displayed and the control will respond to user input normally.
Exit	The error will be reset automatically once the current operation is complete.
Customer Action	Once cycle is ended and the Door is opened and closed you may select the next cycle.
POWER LOSS	
Condition	This error occurs when the Main Control Board detects a total loss of 24VAC power.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition is no longer present. Once the condition is removed, the machine still will not start and the Error Code will continue to be displayed until the prompt is followed to Reset the Error and return the machine to Idle Mode.
Customer Action	Test incoming Voltage. Make sure on correct Transformer tap. Test step down transformer make sure voltage within range.

BROWN OUT	
Condition	This error occurs when the Main Control Board detects less than 21VAC at the 24VAC input.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition is no longer present. Once the condition is removed, the machine still will not start and the Error Code will continue to be displayed until the prompt is followed to Reset the Error and return the machine to Idle Mode.
Customer Action	Test Incoming Power make sure Transformer is on the correct tap. The controls transformer is located inside the control trough and steps a range of 208 to 240 volts down to 115 volts. There are two terminals on the controls transformer for the primary (incoming) power. Use the terminal marked "208V" for power supplies between 200 and 219 volts. Use the terminal marked "230V" for power supplies between 220 and 240 volts. Inspect Control board, visually inspect Resistor R185, (located next to AC Input connector.) if this resistor appears burnt replace the control board after voltage issue to the machine is corrected.
TEMP SENSOR SHORT	
Condition	This error occurs when the control detects a short circuit from the temperature sensor.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition is no longer present. Once the condition is removed, the machine still will not start and the Error Code will continue to be displayed until the prompt is followed to Reset the Error and return the machine to Idle Mode.
Customer Action	Inspect temp probe wires. Ohm test temp probe 10K Ohms at room temp.
TEMP SENSOR OPEN	
Condition	This error occurs when the control detects an open circuit from the temperature sensor.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition is no longer present. Once the condition is removed, the machine still will not start and the Error Code will continue to be displayed until the prompt is followed to Reset the Error and return the machine to Idle Mode.
Customer Action	Inspect temp probe wires. Ohm test temp probe 10K Ohms at room temp.
Customer Action	Inspect temp probe wires. Ohm test temp probe 10K Ohms at room temp.

NO HEAT RISE	
Condition	This error occurs when the control detects that the temperature is not increasing.
Control Action	When detected there is a delay of 15 minutes before the error is active. Once active, the control will display the "NO HEAT RISE" prompt, alternating with the normal Cycle Progress screen at a rate of 5 seconds on, 5 seconds off. The heating relay will also be turned off. Otherwise the cycle will continue normally.
Exit	The Error Code will continue to be displayed until the in-progress cycle is stopped and the control is returned to Idle Mode. It will then reset automatically.
Customer Action	Test Safty's, High Limit, air flow switch, and overtemp thermostat.
HEAT RISE OUT OF RANGE	
Condition	This error occurs when the control detects that the operating temperature is greater than 220 degrees F (or 104 degrees C).
Control Action	When detected, the control will display the "HEAT RISE OUT OF RANGE" prompt, alternating with the normal Cycle Progress screen at a rate of 5 seconds on, 5 seconds off. The heating relay will also be turned off. Otherwise the cycle will continue normally. There is no delay in the action once the criteria are met.
Exit	The Error Code will continue to be displayed until the in-progress cycle is stopped and the control is returned to Idle Mode. It will then reset automatically.
Customer Action	Inspect temp probe and connections. Ohm test temp probe 10K Ohms at room temp.
NO PROX SENSOR OUTPUT	
Condition	This error occurs when the machine control does not detect output from the proximity sensor(s) when the cylinder has been commanded to turn.
Control Action	When detected, there is a short delay before the error is active. When active, the control turns off the motor and the heating relay.
Exit	The machine will not start and the Error Code will continue to be displayed until the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	Inspect gap on sensor. Update firmware to latest rev.
PROX SENSOR OUT OF RANGE	
Condition	This error occurs when the machine control sees output from the proximity sensor(s) that does not fall in the acceptable range for the particular washer or dryer model running at normal speeds. It also occurs when the machine control sees output from the proximity sensor that implies the tumbler is still turning when the control has commanded it to stop.
Control Action	When detected, there is a short delay before the error is active. When active, the control turns off the motor and the heating relay.
Exit	The machine will not start and the Error Code will continue to be displayed until the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	Inspect gap on sensor. Update firmware to latest rev.

CONTROL BOARD	
Condition	This error occurs when the Main Control Board cannot command the input and outputs of the control system as required by the cycle programming.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed until the prompt is followed to Reset the Error Code and return the Machine to Idle Mode. If the prompt to Reset is not available, power must be cycled to the machine to reset the error.
Customer Action	
GRAPHICS BOARD	
Condition	This error occurs when the Graphics Board cannot command the Main Control board as required by the cycle programming.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed until the prompt is followed to Reset the Error Code and return the Machine to Idle Mode. If the prompt to Reset is not available, power must be cycled to the machine to reset the error.
Customer Action	
MODEL JUMPER MISSING	
Condition	This error occurs when there is no connection to Ground (Pin 7) on the Model Jumper Header.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met. The machine control checks for this condition when power is cycled and before starting every machine cycle.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	Inspect and reseal Model Jumper harness at J6. Perform Soft reset holding down both Reset button and Button 1 on the control board. release reset button continue to hold button 1 until display appears.
MODEL JUMPER CHANGED	
Condition	This error occurs when the jumper connections to Ground (Pin 7) on the Model Jumper Header have changed since the last control check.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met. The machine control checks for this condition when power is cycled and before starting every machine cycle.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	If someone has been doing repairs on the washer, check for the correct size drive. Inspect and reseal Model Jumper harness at J6. Perform Soft reset holding down both Reset button and Button 1 on the control board. release reset button continue to hold button 1 until display appears.

MODEL JUMPER / DRIVE SIZE	
Condition	This error occurs when the jumper connections to Ground (Pin 7) on the Model Jumper Header do not match the VFD size code.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met. The machine control checks for this condition when power is cycled and before starting every machine cycle.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	If someone has been doing repairs on the washer, check for the correct size drive. Inspect and reseal Model Jumper harness at J6. Perform Soft reset holding down both Reset button and Button 1 on the control board. release reset button continue to hold button 1 until display appears.
MODEL JUMPER / DRIVE PARAMETER	
Condition	This error occurs when the jumper connections to Ground (Pin 7) on the Model Jumper Header do not match the VFD parameters being used.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met. The machine control checks for this condition when power is cycled and before starting every machine cycle.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	If VFD replaced verify correct P/N, if control board replaced, make sure Model Jumper on J6. Perform Soft reset holding down both Reset button and Button 1 on the control board. release reset button continue to hold button 1 until display appears.
NON-DEXTER DRIVE	
Condition	This error occurs when a non-Dexter VFD is installed in the machine.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met. The machine control checks for this condition when power is cycled and before starting every machine cycle.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	Install or replace OEM VFD.
DRIVE OVERLOAD	
Condition	This error occurs when the control receives a message that the drive has experienced an overload condition.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	

DRIVE OVERCURRENT	
Condition	This error occurs when the control receives a message that the drive has experienced an over current condition.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	Step 1: Check to make sure the Dryer cylinder turns freely by hand. If it turns freely, continue to step 2. If it does not, remove the belt and see if the motor turns freely by hand. If the motor turns freely, then check for obstructions in the cylinder or check the bearings. If the motor does not turn freely, replace the motor. Step 2: Check the motor wires for a short circuit between leads. If there are motor leads that have conductors touching, separate them and insulate them. If the wires are broken, splice them together or replace the motor. Step 3: Check braking resistors to see if they measure the correct resistance. If a resistor does not measure the proper value, replace it.
DRIVE GROUND FAULT	
Condition	This error occurs when the control receives a message that the drive has experienced a ground fault condition.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	Inspect Door switch harnesses, replace loading door and lint door switches. Inspect motor harnesses for damage.
DRIVE LOW VOLTAGE	
Condition	This error occurs when the control receives a message that the drive has experienced a low voltage condition.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	Measure incoming line voltage at VFD, . Turn the power off to the washer. Check the wiring connections to the drive and motor. If no problem is observed, turn on power to the washer and test. If voltage correct replace VFD

DRIVE INTERNAL	
Condition	This error occurs when the control receives a message that the drive has experienced an internal error.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	Turn the power off to the washer. Wait one minute. Turn the power on to the washer. If problem reappears, contact your Dexter representative.
DRIVE EXCEPTION	
Condition	This error occurs when the control receives a message that the drive has logged an exception code.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	
AUTODRY OOR LOW	
Condition	This error occurs when the machine control sees output from the RMC sensor (secondary) board that is out-of-range at 0V or lower.
Control Action	When detected there is a delay of 5 minutes before the error is active. Once active, the control will display the "AUTODRY OOR LOW" prompt and the current drying stage will end. The next stage will begin and the error will continue to be displayed alternating with the Cycle Progress screen during the remainder of the stage.
Exit	The Error Code will continue to be displayed until the cycle is stopped and the control is returned to Idle mode.
Customer Action	

DRIVE COMMUNICATION	
Condition	This error occurs the control cannot communicate with the VFD.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	Inspect Drive code before powering down. Inspect Data communication Cable between Drive and control board. replace Data cable.
DRIVE ENABLE	
Condition	This error occurs when the control sees a message that the VFD Enable circuit is not closed.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	Inspect yellow wires to Drive DCM & MI6
OUT OF SERVICE	
Condition	This error occurs when the user has designated that the machine control should be made inoperable.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed the user changes the Out of Service state.
Customer Action	The User will have to go into management Settings to put back in service.
AUTODRY COMMUNICATION 1	
Condition	This error occurs when the machine control does not detect CAN communication from the RMC stationary (primary) board.
Control Action	When detected, there is a delay of 30 seconds before the error is active. When active, the control will display the "AUTODRY COMMUNICATION 1" prompt and the current drying stage will end. AutoDry Communication Error 1 will alternate on the display for 5 seconds on, then 5 seconds off continuously until the end of the drying cycle which continues as normal. The error occurs within 5 seconds of a CAN communication malfunction. Eventually, if CAN communications are missing for 5 minutes, AutoDry communication Error 2 will be displayed
Exit	The Error Code will continue to be displayed until the cycle is stopped and the control is returned to Idle mode.
Customer Action	Check harness between control and stationary board for damage, if yes replace. Check the distance between the RMC stationary and rotating boards to ensure a 3/16" gap between them. Re-synchronise RMC Boards. Next Test for Voltage on CAN connector, Green is ground, Red 12Vdc, Yellow 24Vdc.

AUTODRY COMMUNICATION 2	
Condition	AutoDry Communication Error 2 is caused when there is a fault in the wireless communication between the RMC stationary and rotating board. AutoDry Communication Error 2 can also be caused by a loss of sync between the RMC stationary and rotating boards. See RMC Sync slides for more information. A loss of sync is not typical unless a new RMC stationary or rotating board has been installed.
Control Action	When the RMC stationary board tries to send/receive communication to/from the rotating board and fails, it will reboot. After 5 minutes of failed attempts of communicating, AutoDry Communication Error 2 is displayed. If the CAN bus is not functioning to allow communication between the RMC stationary board and the control board, then AutoDry Communication Error 2 will appear after AutoDry Communication Error 1 has been displayed.
Exit	The Error Code will continue to be displayed until the cycle is stopped and the control is returned to Idle mode.
Customer Action	Inspect harness between control and stationary board for damage, if yes replace. Check the distance between the RMC stationary and rotating boards to ensure a 3/16" gap between them. Re-synchronise RMC Boards. Next Test for Voltage on CAN connector, Green is ground, Red 12Vdc, Yellow 24Vdc.
AUTODRY COMMUNICATION 3	
Condition	AutoDry Communication Error 3 is caused by 5 minutes of faulty data being transmitted between the RMC stationary and rotating boards. Data is being transmitted, but likely the charging coils in the RMC stationary and rotating boards are too far apart to sufficiently power the RMC rotating board and collect a voltage reading from the sensor strip.
Control Action	When detected, there is a delay of 30 seconds before the error is active. When active, the control will display the "AUTODRY COMMUNICATION 3" prompt and the current drying stage will end. The next stage will begin and the error will continue to be displayed alternating with the Cycle Progress screen during the remainder of the stage.
Exit	The Error Code will continue to be displayed until the cycle is stopped and the control is returned to Idle mode.
Customer Action	Check the distance between the RMC stationary and rotating boards to ensure a 3/16" gap between them. See Service Procedures

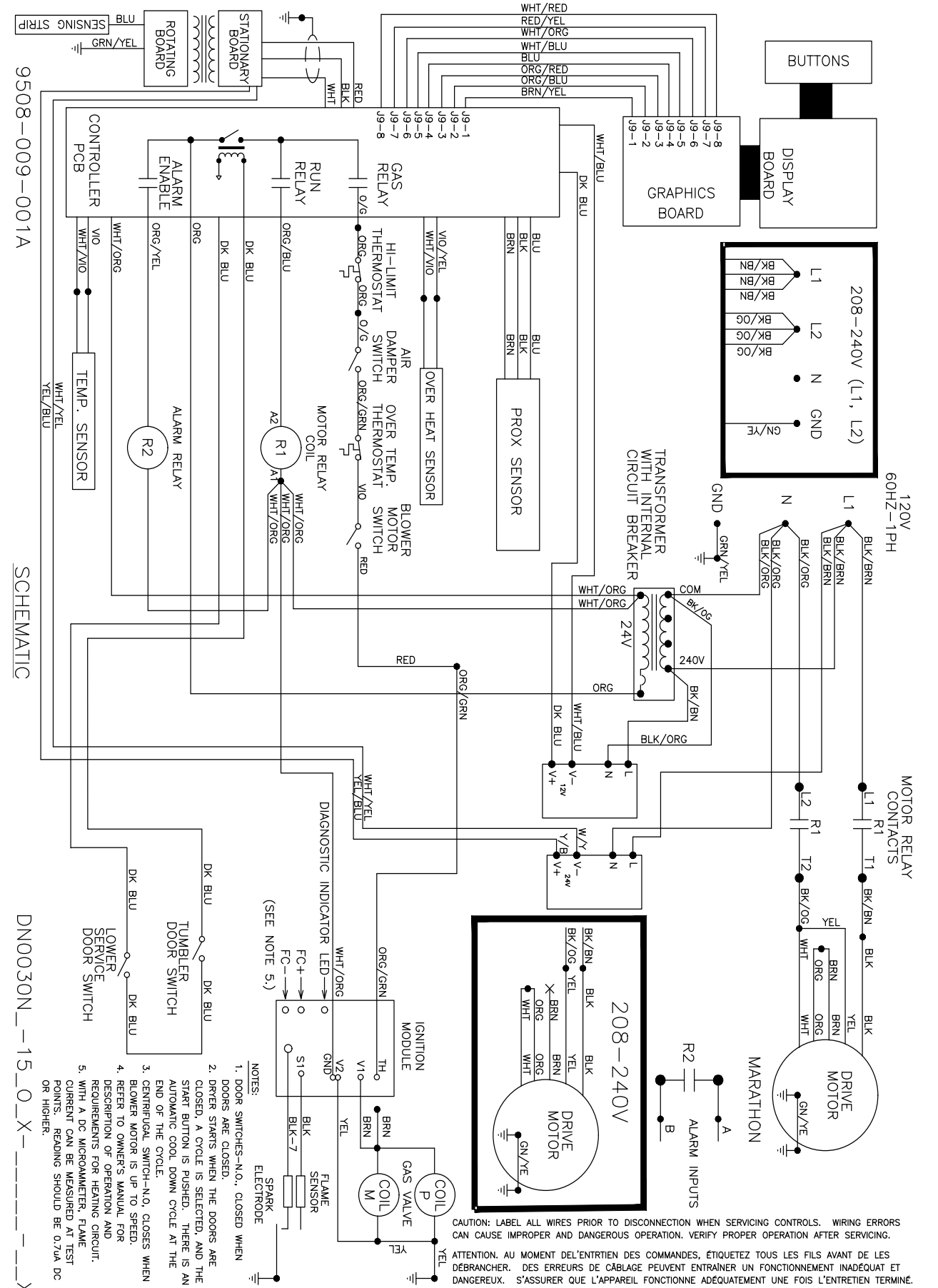
OVER TEMPERATURE DETECTED	
Condition	This error occurs when an overheat condition has been detected at the OHP sensor
Control Action	When detected there is a calculated delay before the error is active. Once active, the control turns off the heating relays, the control buzzer is turned on, and the alarm relay closes. After 5 seconds, tumbler rotation may occur. If the dryer is equipped with a Fire Suppression system, water may be injected into the dryer cylinder.
Exit	The Error Code will continue to be displayed until the condition is no longer present and the mechanical Reset button is pressed on the Main Control board.
Customer Action	If a true overheat has not occurred, Inspect for restricted exhaust Inspect Harness connection. Ohm Test Overheat temp probe 10K.
OVERHEAT SENSOR SHORT	
Condition	This error occurs when the control detects a short circuit from the overheat temperature sensor.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition is no longer present. Once the condition is removed, the machine still will not start and the Error Code will continue to be displayed until the prompt is followed to Reset the Error and return the machine to Idle Mode.
Customer Action	Inspect Harness connection. Ohm Test temp probe 10K
OVERHEAT SENSOR OPEN	
Condition	This error occurs when the control detects an open circuit from the overheat temperature sensor.
Control Action	When detected, the control turns off the motor and the heating relay. There is no delay in the action once the criteria are met.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition is no longer present. Once the condition is removed, the machine still will not start and the Error Code will continue to be displayed until the prompt is followed to Reset the Error and return the machine to Idle Mode.
Customer Action	Inspect Harness connection. Ohm Test temp probe 10K

Close Door	
Condition	This Error occurs when the control detects that either the loading door or the Lint compartment door circuit is not closed
Control Action	When detected, the control will not allow the cycle to start. the display "Close Door" will stay present until the circuit is closed
Exit	When detected will not start until circuit is closed.
Customer Action	Inspect Door switched and wiring. Inspect lint door paddle make sure fully engaging lint door switch.
Control Board Error 11	
Condition	Model jumper not Selected or detected. Relay Board or control board.
Control Action	Error will display and cycle will stop.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	Inspect Model Jumper on Relay board (P3) make sure connected and present. Inspect I2C harness between control (Relay Exp.)and relay board (P1). Inspect for 12VO_SW LED make sure illuminated. If not test 12Vdc power supply, (must be 11.4 or above). Inspect harnesses if pinched or damaged (loading door and lint switch).
Control Board Error 66	
Condition	Model jumper not Selected or detected. Relay Board or control board.
Control Action	Error will display and cycle will stop.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	Inspect Model Jumper on Relay board (P3) make sure connected and present. Inspect I2C harness between control (Relay Exp.)and relay board (P1). Inspect for 12VO_SW LED make sure illuminated. If not test 12Vdc power supply, (must be 11.4 or above). Inspect harnesses if pinched or damaged (loading door and lint switch).
Control Board Error 68	
Condition	Model jumper not Selected or detected. Relay Board or control board.
Control Action	Error will display and cycle will stop.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	Inspect Model Jumper on Relay board (P3) make sure connected and present. Inspect I2C harness between control (Relay Exp.)and relay board (P1). Inspect for 12VO_SW LED make sure illuminated. If not test 12Vdc power supply, (must be 11.4 or above). Inspect harnesses if pinched or damaged (loading door and lint switch).

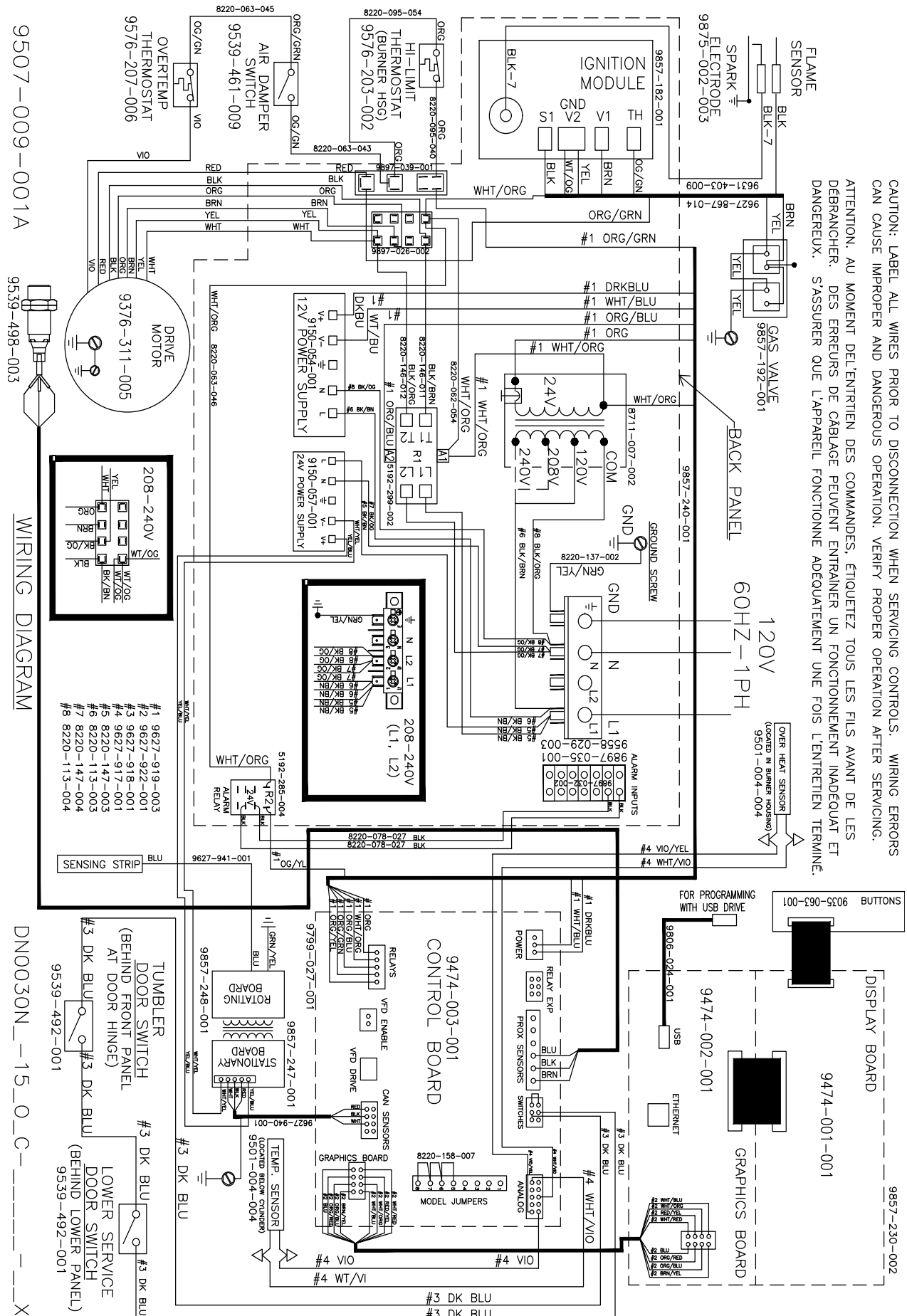
Control Board Error 82

Condition	Model jumper not Selected or detected. Relay Board or control board.
Control Action	Error will display and cycle will stop.
Exit	The machine will not start and the Error Code will continue to be displayed until the condition no longer exists and the prompt is followed to Reset the Error Code and return the Machine to Idle Mode.
Customer Action	Inspect Model Jumper on Relay board (P3) make sure connected and present. Inspect I2C harness between control (Relay Exp.) and relay board (P1). Inspect for 12VO_SW LED make sure illuminated. If not test 12Vdc power supply, (must be 11.4 or above). Inspect harnesses if pinched or damaged (loading door and lint switch).

T-30 Wiring Schematic -15



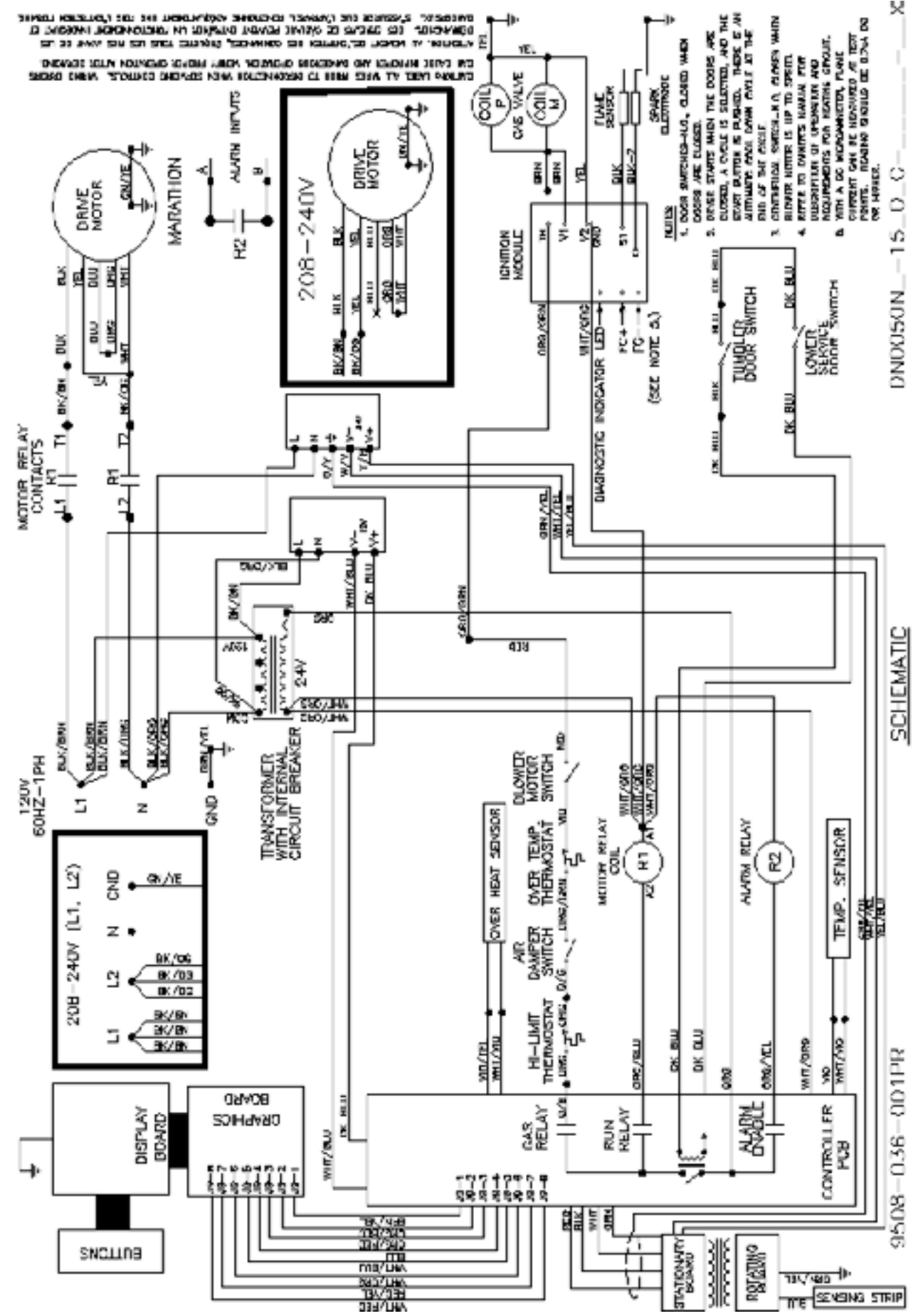
T-30 Wiring Diagram -15



CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.

ATTENTION: AU MOMENT DE L'ENTRETIEN DES COMMANDES, ÉTIQUÉTEZ TOUS LES FILS AVANT DE LES DÉBRANCHER. DES ERREURS DE CÂBLAGE PEUVENT ENTRAÎNER UN FONCTIONNEMENT INADÉQUAT ET DANGEREUX. S'ASSURER QUE L'APPAREIL FONCTIONNE ADEQUATEMENT UNE FOIS L'ENTRETIEN TERMINÉ.

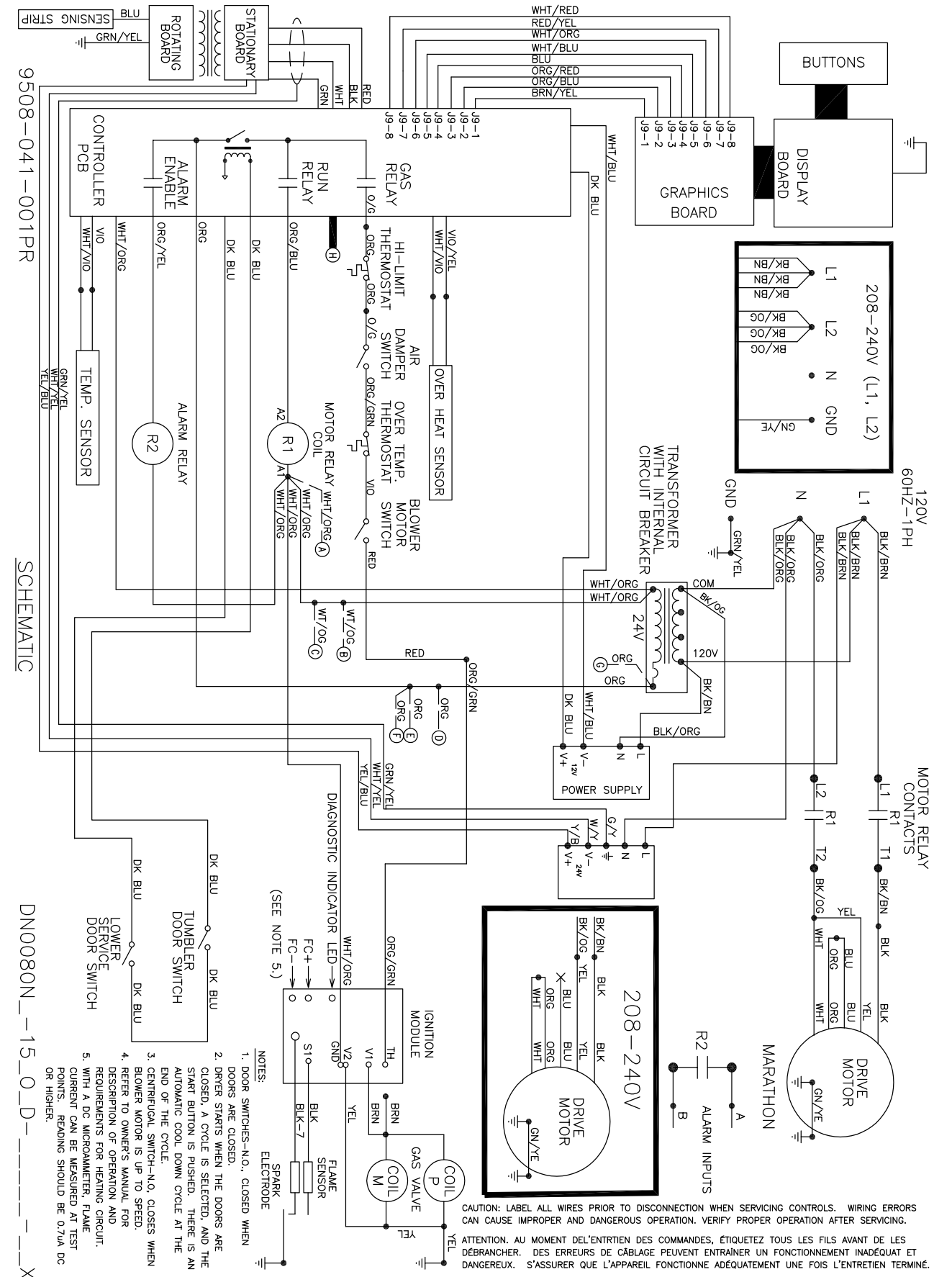
T-50 Wiring Schematic -15



CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.

ATTENTION: AU MOMENT DE L'ENTRETIEN DES COMMANDES, ÉTIQUÉTEZ TOUS LES FILS AVANT DE LES DÉBRANCHER. DES ERREURS DE CÂBLAGE PEUVENT ENTRAÎNER UN FONCTIONNEMENT INADÉQUAT ET DANGEREUX. S'ASSURER QUE L'APPAREIL FONCTIONNE ADEQUATEMENT UNE FOIS L'ENTRETIEN TERMINÉ.

T-80 Wiring Schematic -15



9508-041-001PR

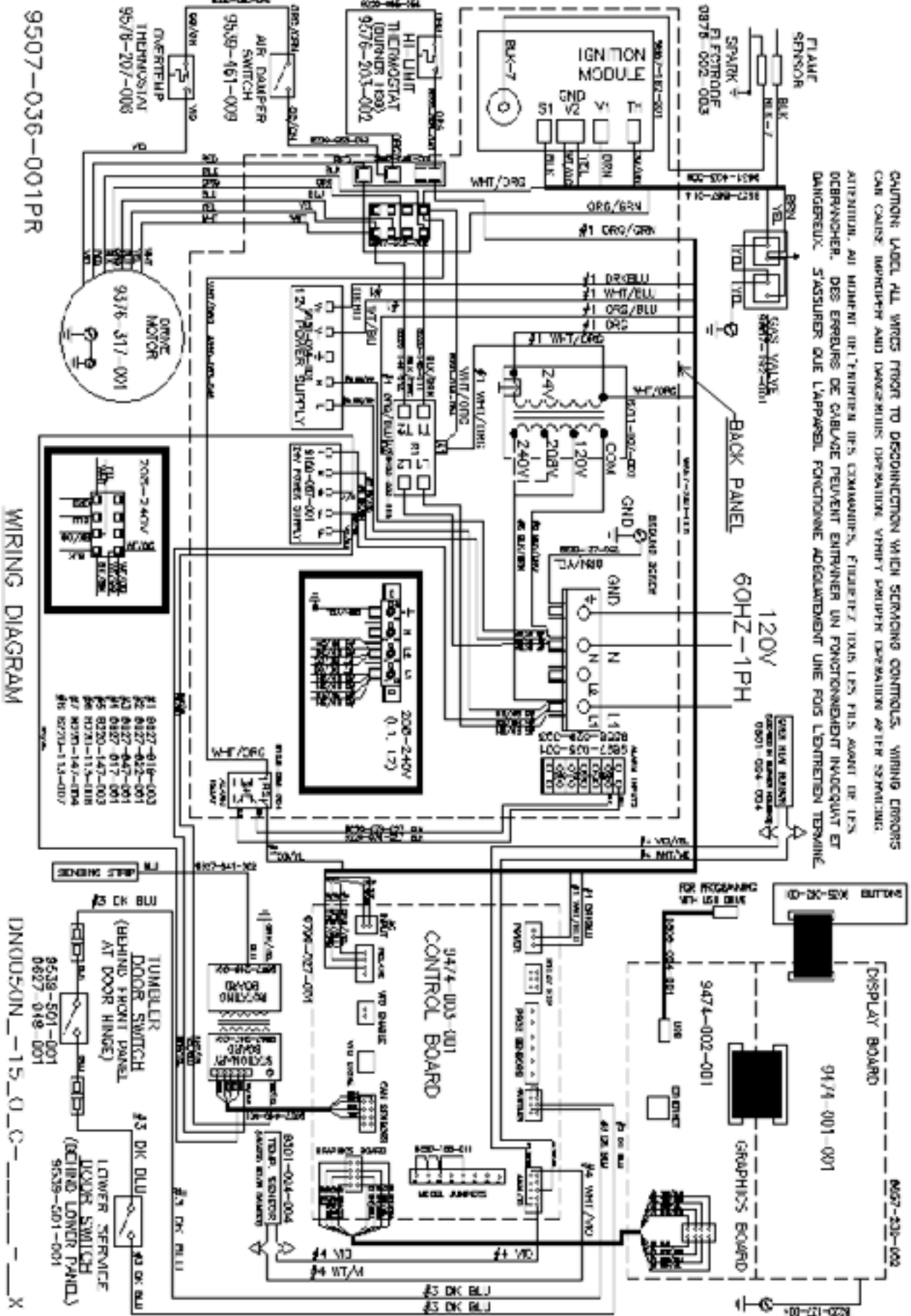
SCHEMATIC

DN0080N_15_0_D

- NOTES:
1. DOOR SWITCHES-N.O. CLOSED WHEN DOORS ARE CLOSED.
 2. DRYER STARTS WHEN THE DOORS ARE CLOSED, A CYCLE IS SELECTED, AND THE START BUTTON IS PUSHED. THERE IS AN AUTOMATIC COOL-DOWN CYCLE AT THE END OF THE CYCLE.
 3. CENTRIFUGAL SWITCH-N.O. CLOSERS WHEN BLOWER MOTOR IS UP TO SPEED.
 4. REFER TO OWNER'S MANUAL FOR DESCRIPTION OF OPERATION AND REQUIREMENTS FOR HEATING AND COOLING.
 5. WITH A DC MICROAMMETER, FLAME CURRENT CAN BE MEASURED AT TEST POINTS. READING SHOULD BE 0.75A DC OR HIGHER.

CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.
 ATTENTION: AU MOMENT DE L'ENTRÉE DES COMMANDES, ÉTIQUÉTEZ TOUS LES FILS AVANT DE LES DÉBRANCHER. DES ERREURS DE CÂBLAGE PEUVENT ENTRAÎNER UN FONCTIONNEMENT INADÉQUAT ET DANGEREUX. S'ASSURER QUE L'APPAREIL FONCTIONNE ADÉQUATEMENT UNE FOIS L'ENTRETIEN TERMINÉ.

T-50 Wiring Diagram -15



9507-036-001PR

WIRING DIAGRAM

DN0050N_15_0_C

Kits, Assemblies, & Common Parts

Description	T30	T50	T80
Kit – Add Water Option T80			9732-358-003
Kit – Add Water Option T50		9732-358-002	
Kit – Add Water Option T30	9732-358-001		
Kit – T80 Bottom Exhaust	9732-348-001	9732-348-001	9732-348-001
LP to Natural Conversion Kit for White Rodgers	9732-142-004	9732-142-004	9732-142-004
Kit, Optional Replacement for Round Switch 9539-492-001	9732-351-001	9732-351-001	9732-351-001
Temperature Probe	9501-004-004	9501-004-004	9501-004-004
Controls	9799-027-001	9799-027-001	9799-027-001
Ignition Control Box	9857-182-001	9857-182-001	9857-182-001
Electrode Assembly	9875-002-003	9875-002-003	9875-002-003
Hi-Limit Thermostat	9576-203-002	9576-203-002	9576-203-002
Overtemp Thermostat	9576-207-006	9576-207-006	9576-207-006
Motor Run Relay	5192-285-004	5192-285-004	5192-285-004
Transformer	8711-007-002	8711-007-002	8711-007-002
Lint Screen	9822-026-002	9822-026-001	9822-031-002
Airflow Switch	9539-461-009	9539-461-009	9539-461-009
Door Switch	9539-492-001	9539-501-001	9539-492-001
Motor Belt	9040-076-003	9040-076-006	9040-076-011
Tumbler Belt	9040-073-009	9040-073-011	9040-073-012
Complete Tension Arm Assembly	9861-022-001	9861-022-002	9861-024-004
Spider/Trunnion	9568-015-002	9568-017-002	9873-008-001
Door Handle	9244-093-001	9244-093-001	9244-093-001
Gap Tool	8545-065-001	8545-065-001	8545-065-001

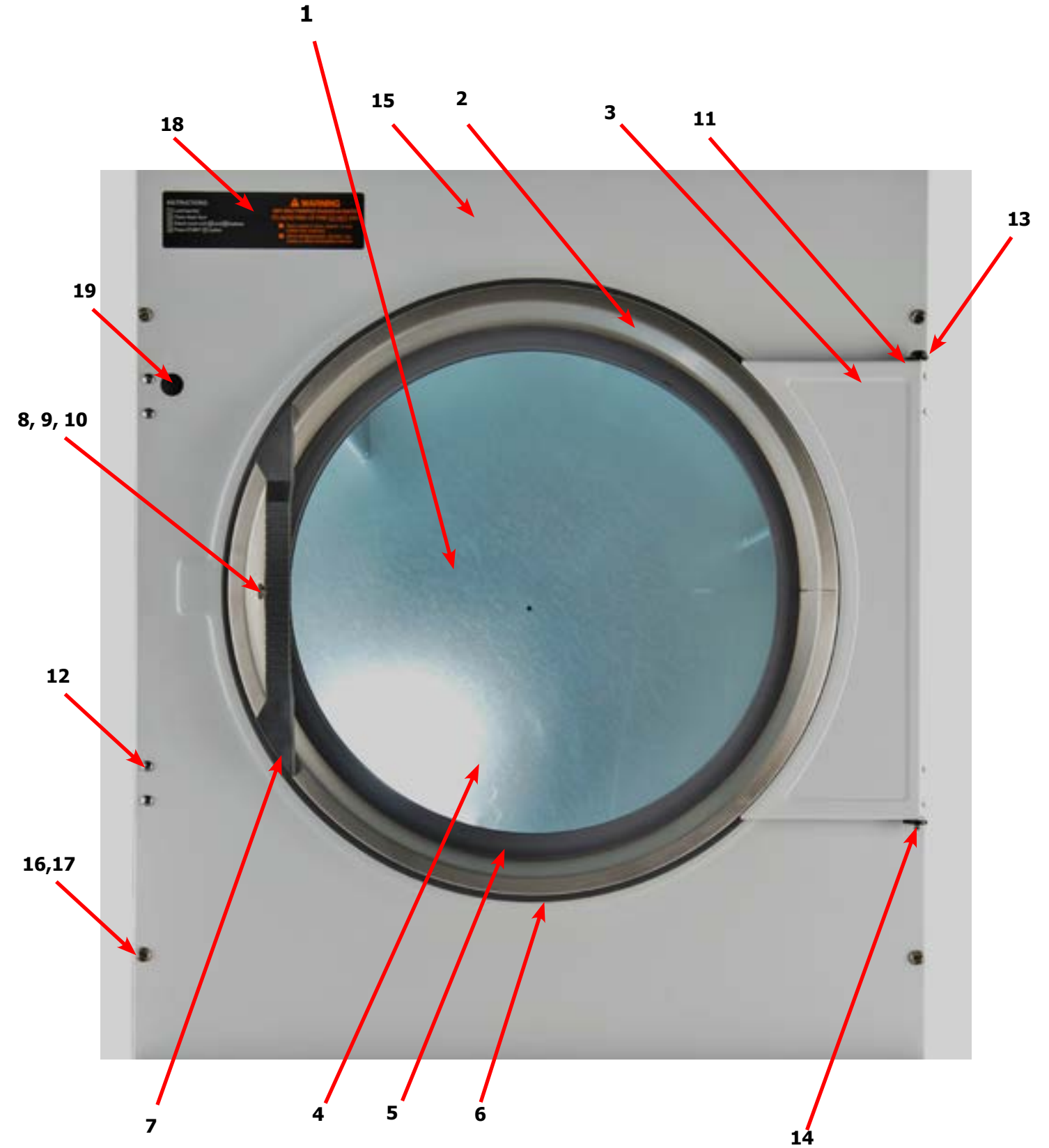


DN0030ND-15EO
DN0050ND-15EO
DN0080ND-15EO

Section 5: Dryer Parts Data

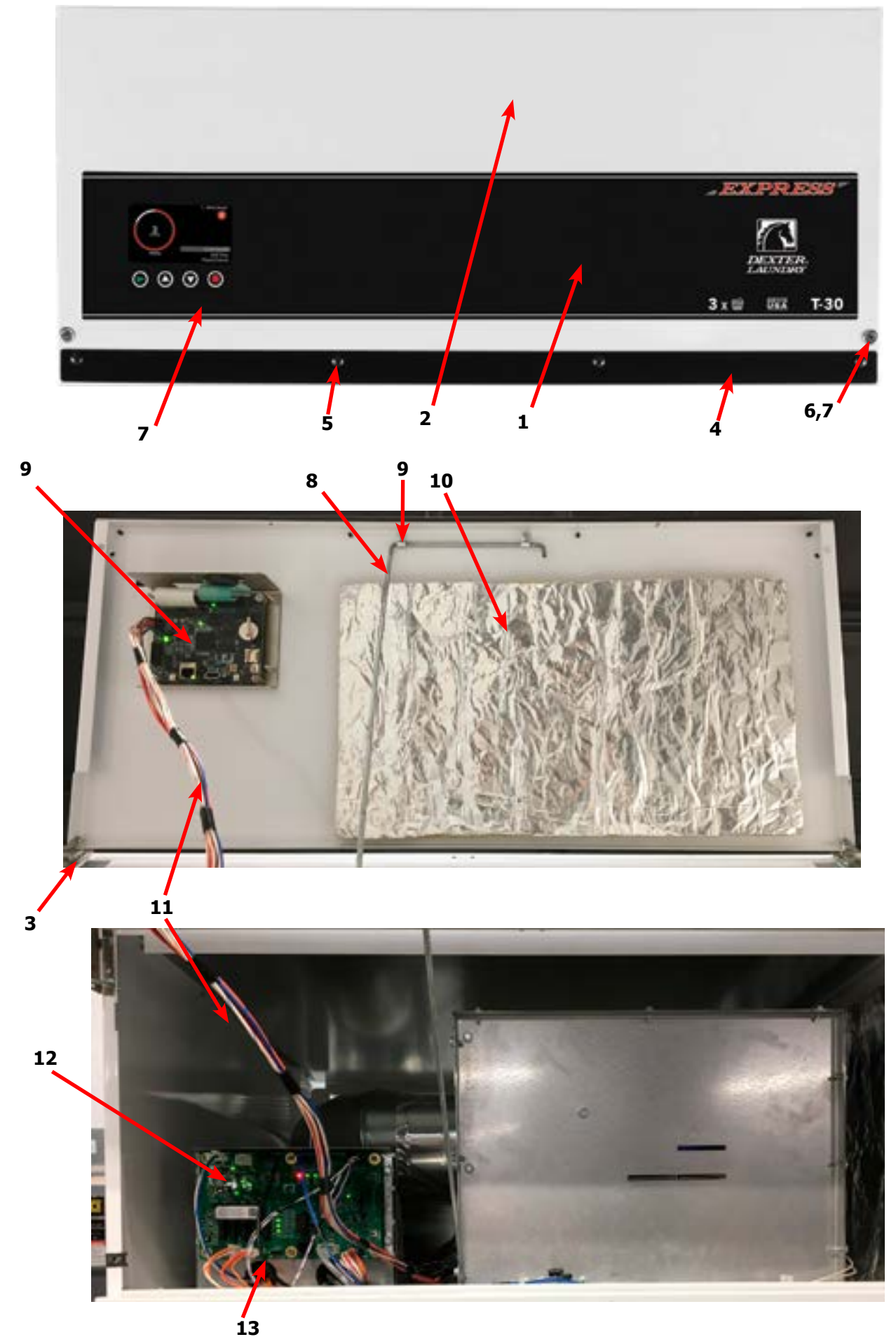
Dryer Cabinet Group

Key	Description	T-30	T-50	T-80	QTY
1	Loading Door Complete SS/Brushed SS/Blk	9960-306-001	9960-305-001	9960-305-001	1
1	Loading Door Complete Wht/Brushed SS/Blk	9960-306-003	9960-305-003	9960-305-003	1
2	Door Assy, Loading (Ring only) Brushed SS	9960-255-008	9960-284-002	9960-284-002	1
2	Door Assy, Loading (Ring only) Black (after serial D1.22290.005)	9960-319-007	9960-320-004	9960-320-004	1
3	Plate Assy, Hinge (SS)	9982-374-001	9982-368-001	9982-368-001	1
3	Plate Assy, Hinge (Wht)	9982-374-003	9982-368-003	9982-368-003	1
*	Cover-Hinge Back, Black	9074-341-002	9074-340-002	9074-340-002	1
*	Screw-10Bx3/8, Black	9545-008-010	9545-008-010	9545-008-010	2
*	Screw Hinge to Door	9545-012-015	9545-012-015	9545-012-015	4
*	Nut, Hinge to Door	8640-413-002	8640-413-002	8640-413-002	4
4	Glass, Door	9212-002-003	9212-002-004	9212-002-004	1
5	Gasket, Door Glass (Black)	9206-413-001	9206-413-002	9206-413-002	1
*	Support Door Glass	9548-117-000	9548-117-000	9548-117-000	2
6	Gasket, Door Outer Rim (Black)	9206-420-003	9206-420-005	9206-420-005	1
7	Handle, Loading Door	9244-093-001	9244-093-001	9244-093-001	1
*	Screw, Handle	9545-018-017	9545-018-017	9545-018-017	2
8	Stud Door Catch	9531-033-002	9531-033-002	9531-033-002	1
9	Nut-Hex, #10-32	8640-413-001	8640-413-001	8640-413-001	1
10	Nut, Acorn	8640-413-003	8640-413-003	8640-413-003	1
*	Catch, Loading Door	9086-015-002	9086-015-002	9086-015-002	2
*	Rivit	9244-093-001	9244-093-001	9244-093-001	4
11	Strap, Hinge (Black)	9966-018-002	9966-014-002	9966-014-002	1
*	Plate Assy-Backup, Hinge	9982-386-001	9982-356-001		2
*	Plate Assy-Backup, Hinge			9982-369-001	1
*	Reinforcement-Front panel			9817-003-001	1
12	Screw-Phillips, 10-32x1/2 Chrome	9545-012-003	9545-012-003	9545-012-003	8
*	Screw-Phillips-Counter sink, 10-32x1/2 Chrome	9545-012-028	9545-012-028	9545-012-028	4
13	Screw-Special, Hinge to Door	9545-052-001	9545-052-001	9545-052-001	1
*	Nut-Allen, 1/4-20	8640-439-001	8640-439-001	8640-439-001	1
14	Washer-Fiber/Plastic	8641-436-003	8641-436-003	8641-436-003	1
15	Front Panel Assy (Wht) Round Switch	9989-623-008	9989-624-008	9989-625-008	1
15	Front Panel Assy (Wht) Square Switch	9444-002-003	9444-004-003	9444-006-003	1
15	Front Panel Assy (SS) Round Switch	9989-623-007	9989-624-007	9989-625-007	1
15	Front Panel Assy (SS) Square Switch	9444-002-001	9444-004-001	9444-006-001	1
16	Screw-Phillips, 10Bx1 3/4	9545-008-014	9545-008-014	9545-008-014	4
17	Washer-Finish	8641-585-001	8641-565-001	8641-585-001	4
*	Nut-Spring	8640-399-001	8640-399-001	8640-399-001	4
*	Insulation-Front Panel, Top Half	9277-063-001	9277-057-001	9277-058-001	1
*	Insulation-Front Panel, Bottom Half	9277-063-002	9277-057-002	9277-058-002	1
18	Label-Warning	8502-758-001	8502-758-001	8502-758-001	1
19	Plug-Front Panel	9456-050-001	9456-055-001	9456-050-001	1
*	Switch-Door Closed	9539-492-001	9539-501-001	9539-492-001	1
*	Wiringharness-door Switch	9627-918-001	9627-948-001	9627-918-001	1
*	Wire-Assy-Blu	8220-063-009	8220-063-009	8220-063-009	1
*	Cabinet Touch Up Paint	9472-001-013	9472-001-013	9472-001-013	1



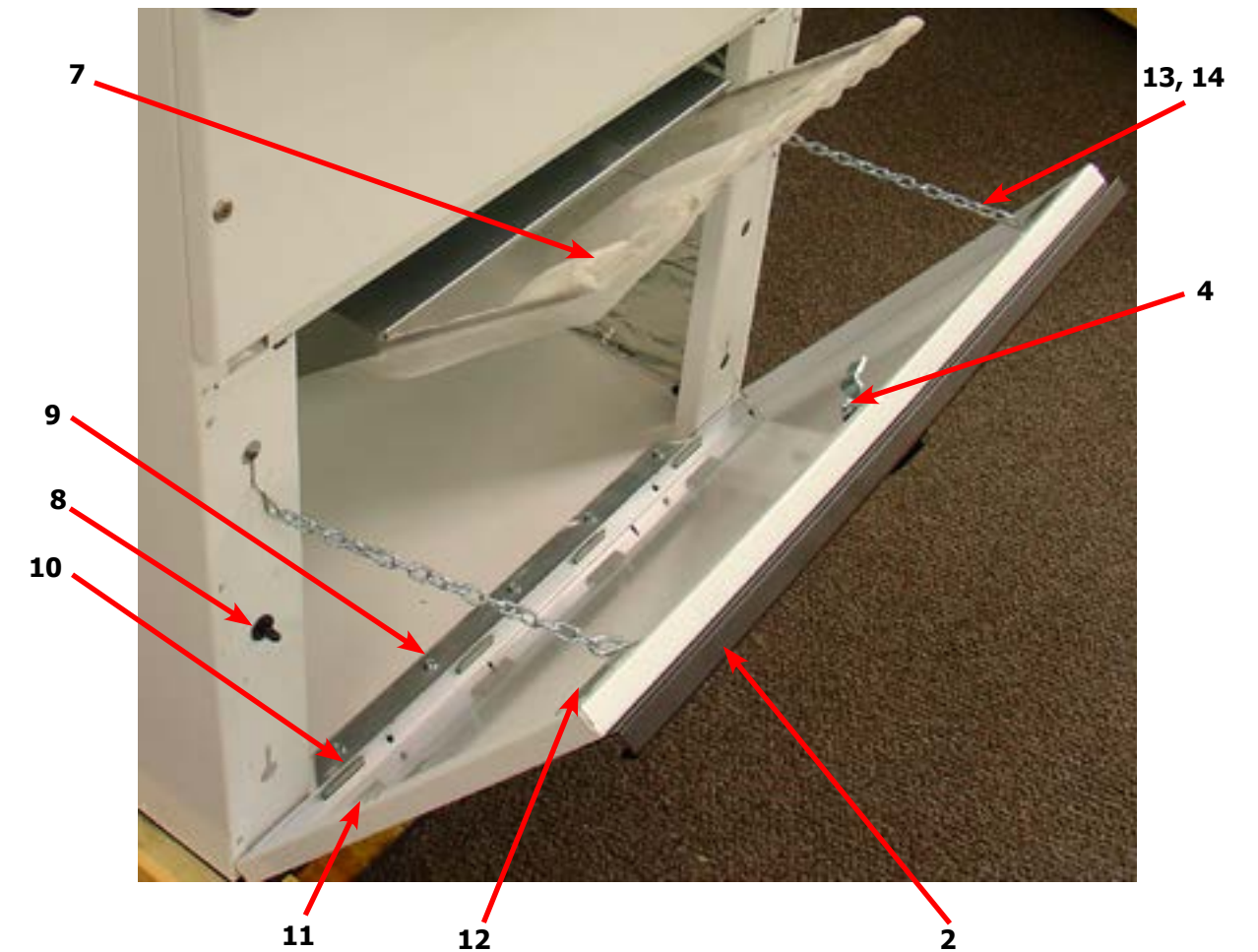
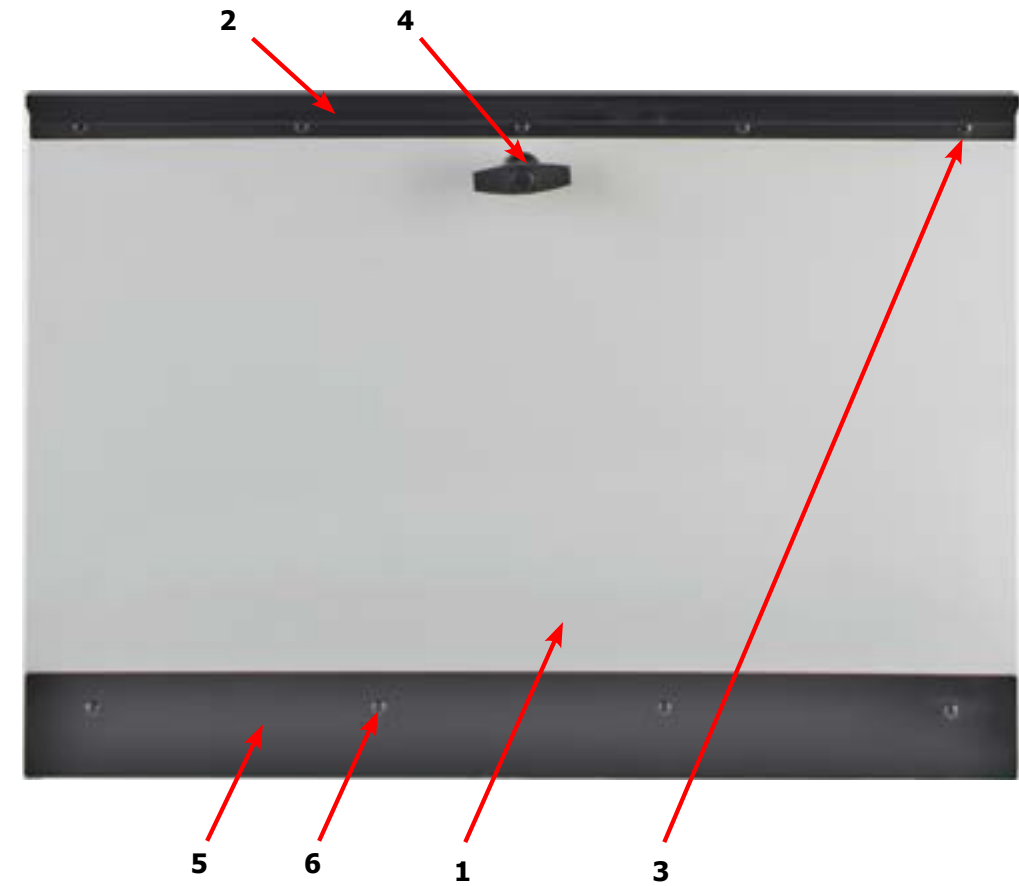
Dryer Cabinet Group Continued

Key	Description	T-30	T-50	T-80	QTY
1	Nameplate - Dexter Dryer Black	9412-252-001	9412-253-001	9412-254-001	1
2	Door Assy-Upper, OPL (SS)	9960-325-007	9960-326-009	9960-327-009	1
2	Door Assy-Upper, OPL (Wht)	9960-325-008	9960-326-010	9960-327-010	1
3	Bracket-Hinge	9029-224-001	9029-224-001	9029-224-001	2
	Screw-hxwshd,10-32x3/8	9545-012-015	9545-012-015	9545-012-015	2
	Nut-hexkeps,#10-32unf,2b	8640-413-002	8640-413-002	8640-413-002	4
*	Rivit- 3/16, Hinge to Door	9491-009-001	9491-009-001	9491-009-001	2
*	Rivit- 3/16, Hinge to Cabinet	9491-009-001	9491-009-001	9491-009-001	AR
4	Trim-Upper Service Door, Black	9578-098-002	9578-094-002	9578-096-002	1
5	Screw-Phillips, 10Bx3/8, Black	9545-008-010	9545-008-010	9545-008-010	4
6	Screw-Phillips, 10Bx1 3/4	9545-008-014	9545-008-014	9545-008-014	2
7	Washer-Finish	8641-585-001	8641-585-001	8641-585-001	2
*	Nut-Spring	8640-399-001	8640-399-001	8640-399-001	2
8	Support-Upper Service Door	9548-288-001	9548-288-002	9548-288-002	1
*	Clamp-tube	9079-121-002	9079-121-002	9079-121-002	2
*	Nut-hexkeps,#6-32	8640-411-003	8640-411-003	8640-411-003	2
9	Contrlassy-display,2.0,opl,dry	9857-230-002	9857-230-002	9857-230-002	2
*	Button-control,2.0,opl	9035-063-001	9035-063-001	9035-063-001	1
*	Window-display,lcd(w/gasket)	9635-021-002	9635-021-002	9635-021-002	1
*	Nut, #6-32	8640-411-003	8640-411-003	8640-411-003	4
*	Clamp-Cable, 1/2"	9079-121-002	9079-121-002	9079-121-002	2
*	Nut, #6-32	8640-411-003	8640-411-003	8640-411-003	1
10	Insulation	9277-041-016	9277-041-016	9277-041-016	1
11	Harness-Control	9627-922-001	9627-922-001	9627-922-001	1
*	Harness-Temp Probe	9627-917-001	9627-917-001	9627-917-001	1
12	Pcbassy-maincontrol	9799-027-001	9799-027-001	9799-027-001	1
	Screw-hxwshrdndct,#10bx1/2	9545-008-024	9545-008-026	9545-008-024	4
	Wireasy,2.0,t-1200/t-30fss	8220-158-027	8220-158-011	8220-158-017	1
	Wiringharness-power,relay	9627-919-003	9627-919-003	9627-919-003	1
	Cableassy-usb,snopin	9806-024-001	9806-024-001	9806-024-001	1
13	Bracket-mtg,control	9029-301-001	9029-301-001	9029-301-001	1
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	9545-008-024	9545-008-024	4
*	Bushing-insulated,1"	9053-067-004	9053-067-004	9053-067-004	2



Dryer Cabinet Group Continued

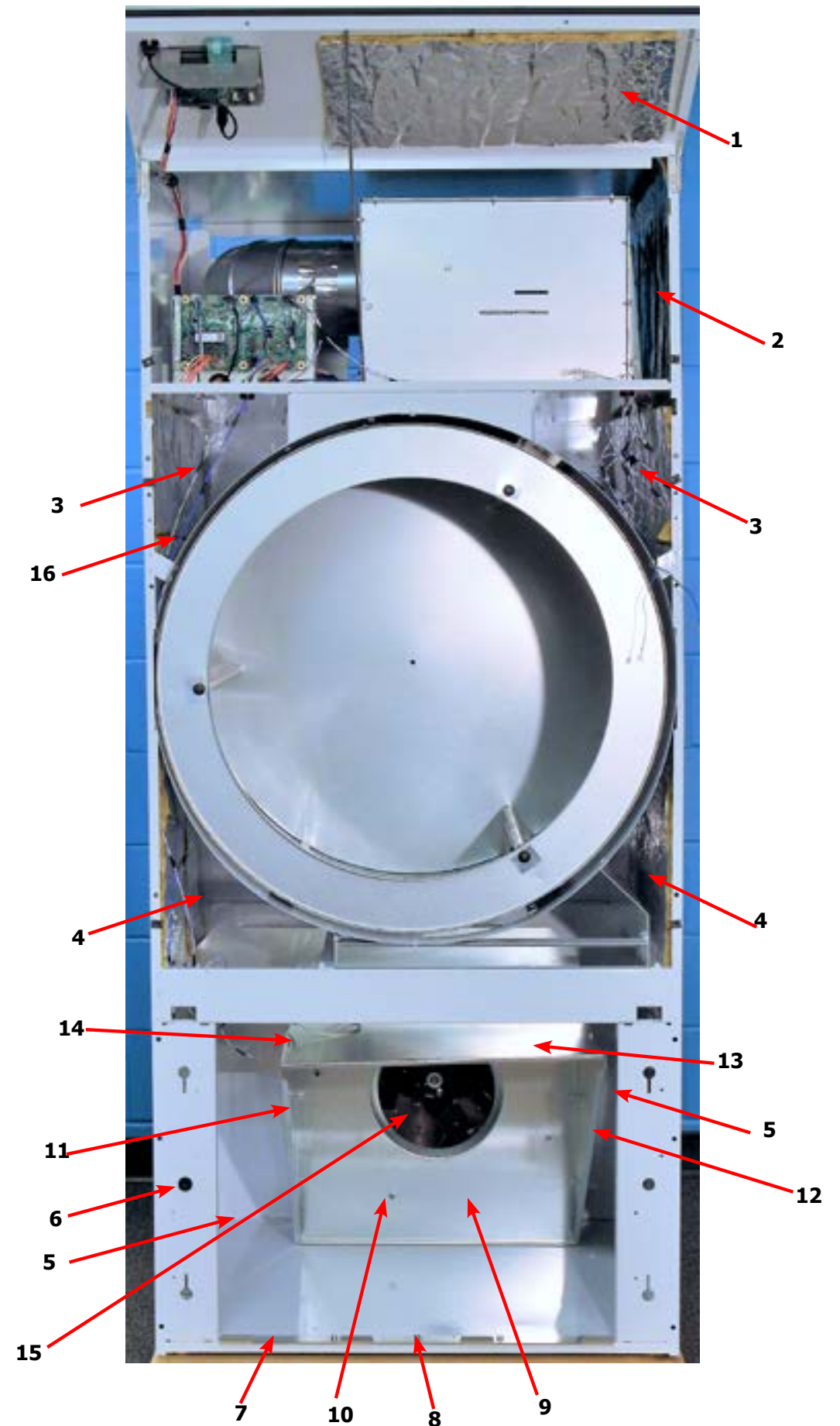
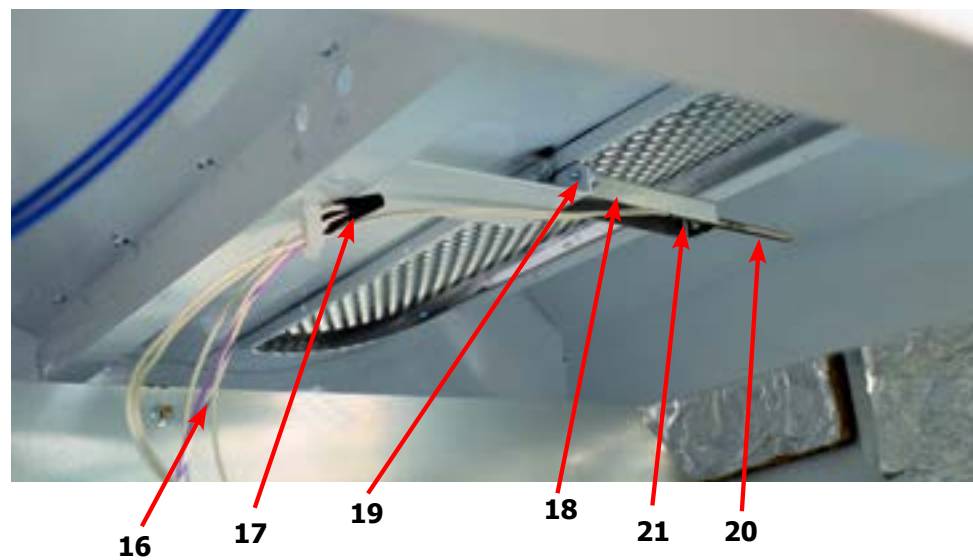
Key	Description	T-30	T-50	T-80	QTY
1	Door-Lower Service, OPL, SS	9960-321-003	9960-322-003	9960-323-003	1
1	Door-Lower Service, OPL, Wht	9960-321-004	9960-322-004	9960-323-004	1
2	Handle-Door, Lower Service, Black	9244-089-002	9244-087-002	9244-088-002	1
3	Screw-Phillips, 10Bx3/8, Black	9545-008-010	9545-008-010	9545-008-010	5
4	Handle-Door, Lower Service OPL	9244-084-002	9244-084-002	9244-084-002	1
5	Trim-Lower Kick, Black	9578-099-002	9578-095-002	9578-097-002	1
6	Screw-Phillips, 10Bx3/8, Black	9545-008-010	9545-008-010	9545-008-010	4
7	Screen Assy, Lint	9822-026-002	9822-026-001	9822-031-002	1
8	Switch-Door Closure (Circular)	9539-492-001	9539-492-001	9539-492-001	2
*	Switch-Door Closure (Square)	9539-501-001	9539-501-001	9539-501-001	2
*	Kit, Optional Replacement for Round Switch 9539-492-001	9732-351-001	9732-351-001	9732-351-001	1
9	Hinge-Door, Lower	9243-081-001	9243-082-001	9243-082-001	1
10	Screw-5/16, 10ABx3/8	9545-008-024	9545-008-024	9545-008-024	5
11	Bracket-Door Switch	9029-226-001	9029-226-001	9029-226-001	1
*	Rivit, 1/8 Low Profile	9491-009-004	9491-009-004	9491-009-004	2
12	Bracket-Chain	9029-223-001	9029-223-001	9029-223-001	2
*	Rivit, 1/8 Low Profile	9491-009-004	9491-009-004	9491-009-004	8
13	Hook, "S" Type	9248-022-002	9248-022-002	9248-022-002	4
14	Chain-Lower Service Door	9099-012-006	9099-012-006	9099-012-006	2
*	Leg-leveling	8544-006-001	8544-006-001	8544-006-001	4
*	Leveling Leg Wrench	8545-061-002	8545-061-002	8545-061-002	1



Dryer Cabinet Group Continued

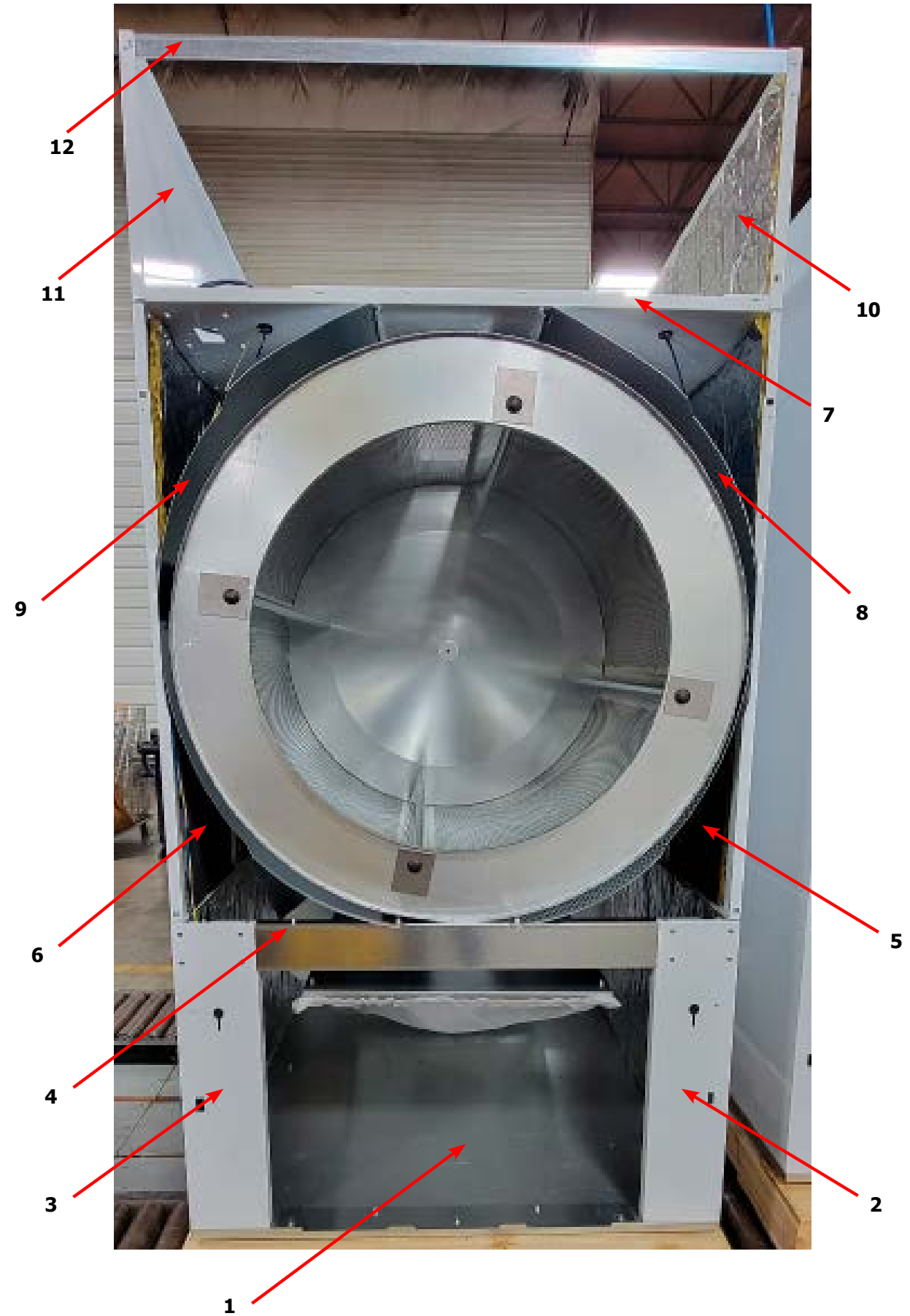
Key	Description	T-30	T-50	T-80	QTY
1	Insulation, Upper service Door	9277-041-016	9277-041-016	9277-041-016	1
2	Insulation, RH Burner	9277-041-019		9277-041-023	1
3	Insulation Tumbler Area, above Baffle	9277-041-020		9277-041-021	2
*	Insulation Tumbler Area, above Baffle			9277-051-004	3
4	Insulation Tumbler Area, below baffle	9277-041-020			2
*	Insulation Tumbler Area, below baffle			9277-051-004	3
5	Insulation Lint Compartment	9277-041-021		9277-041-025	2
*	Screen Assy, Lint	9822-026-002	9822-026-001	9822-031-002	1
6	Switch-Door Closure	9539-492-001	9539-501-001	9539-492-001	AR
7	Hinge-Door, Lower	9243-081-001	9243-082-001	9243-082-001	1
8	Screw-5/16, 10ABx3/8	9545-008-024	9545-008-024	9545-008-024	AR
9	Lint Hood-Back	9240-038-001	9240-041-001	9240-044-001	1
10	Nut Wizlock, 8-32	8640-412-004	8640-412-004	8640-412-004	6
11	Lint hood, LH	9240-040-001	9240-043-001	9240-046-001	1
12	Lint hood, RH	9240-040-002	9240-043-002	9240-046-002	1
13	Lint hood, Top	9240-039-001	9240-042-001	9240-045-001	1
14	Screw, 5/16- 10ABx3/8	9545-008-024	9545-008-024	9545-008-024	14
15	Impeller, w/set screws	9278-043-001	9278-037-003	9278-037-003	1
16	Harness -Temp Probe	9627-917-001	9627-917-001	9627-917-001	1
17	Wire Nut, #71B	8640-276-005	8640-276-005	8640-276-005	2
18	Bracket, Temp Probe	9029-197-001	N/A	N/A	1
19	Screw-5/16, 10ABx3/8	9545-008-024	N/A	N/A	2
20	Temp Probe	9501-004-004	9501-004-004	9501-004-004	1
21	Screw-Phillips, 8Bx1/4	9545-045-005	9545-045-005	9545-045-005	1

30lb Temp Probe



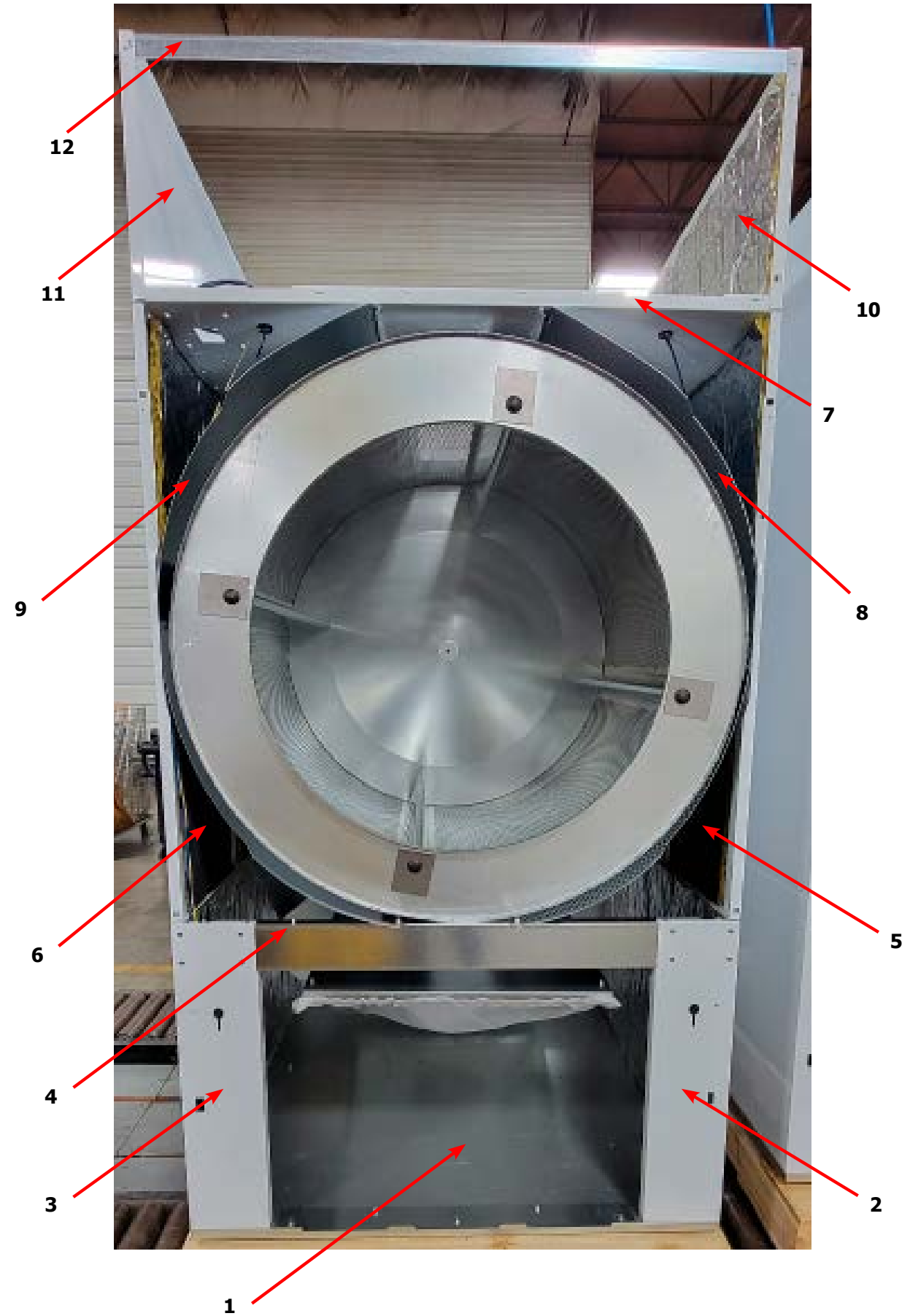
Dryer Modular Cabinet Group 30lb. (After Serial D1.23164.026)

Key	Description	T30	QTY
1	Cabinet Base Assembly	9945-166-001	1
*	Lower Back Panel Assembly	9989-730-002	1
2	Lower Cabinet RH Side Panel	9444-109-003	1
3	Lower Cabinet LH Side Panel	9444-109-004	1
4	Lower Cabinet Front Channel	9081-224-001	1
*	Upper Back Panel Assembly	9989-731-002	1
5	RH Middle Side Panel Assembly	9444-111-003	1
6	LH Middle Side Panel Assembly	9444-111-004	1
7	Cabinet Top	9577-070-001	1
8	RH Baffle	9049-131-001	1
9	LH Baffle	9049-132-001	1
*	Baffle Angled Bracket	9029-371-001	2
10	RH Upper Side Panel	9444-113-003	1
11	LH Upper Side Panel	9444-113-004	1
12	Upper Cross Brace	9046-107-001	1
*	10abx3/8 Screw	9545-008-024	25
*	3/16 Blind Rivet	9491-009-001	171
*	Wht 3/16 Blind Rivet	9491-009-005	48



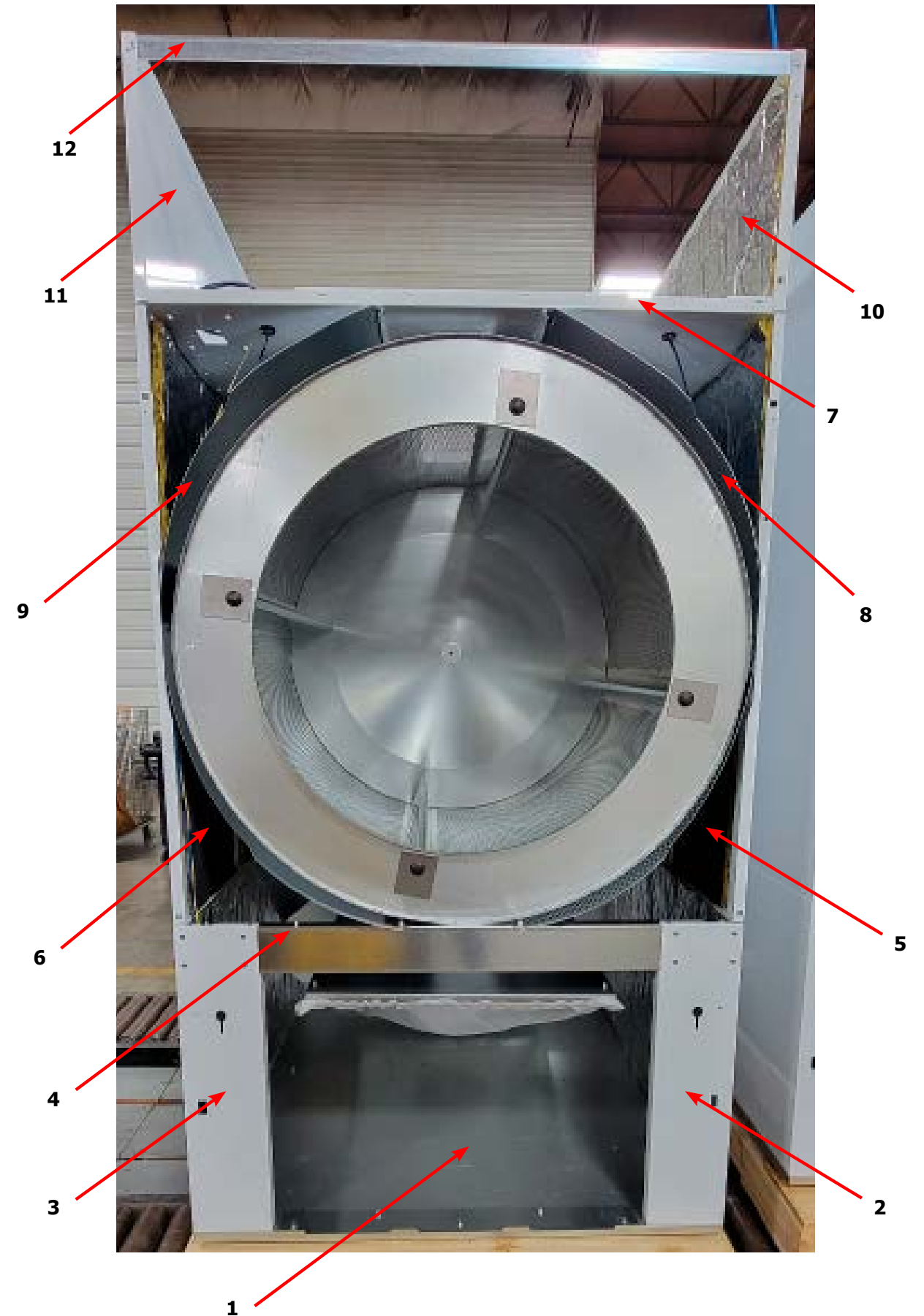
Dryer Modular Cabinet Group 50lb. (After Serial D1.23145.014)

Key	Description	T50	QTY
1	Cabinet Base Assembly	9945-165-001	1
*	Lower Back Panel Assembly	9989-726-002	1
2	Lower Cabinet RH Side Panel	9444-104-003	1
3	Lower Cabinet LH Side Panel	9444-104-004	1
4	Lower Cabinet Front Channel	9081-222-001	1
*	Upper Back Panel Assembly	9989-727-002	1
5	RH Middle Side Panel Assembly	9989-728-003	1
6	LH Middle Side Panel Assembly	9989-728-004	1
7	Cabinet Top Assembly	9961-164-001	1
8	RH Baffle	9049-130-001	1
9	LH Baffle	9049-130-002	1
*	Baffle Stiffener Angle	9003-386-001	2
10	RH Upper Side Panel	9444-108-003	1
11	LH Upper Side Panel	9444-108-004	1
12	Upper Cross Brace	9046-105-001	1
*	10abx3/8 Screw	9545-008-024	21
*	Large Head Pop Rivet	8638-190-028	4
*	3/16 Blind Rivet	9491-009-001	122
*	Wht 3/16 Blind Rivet	9491-009-005	54



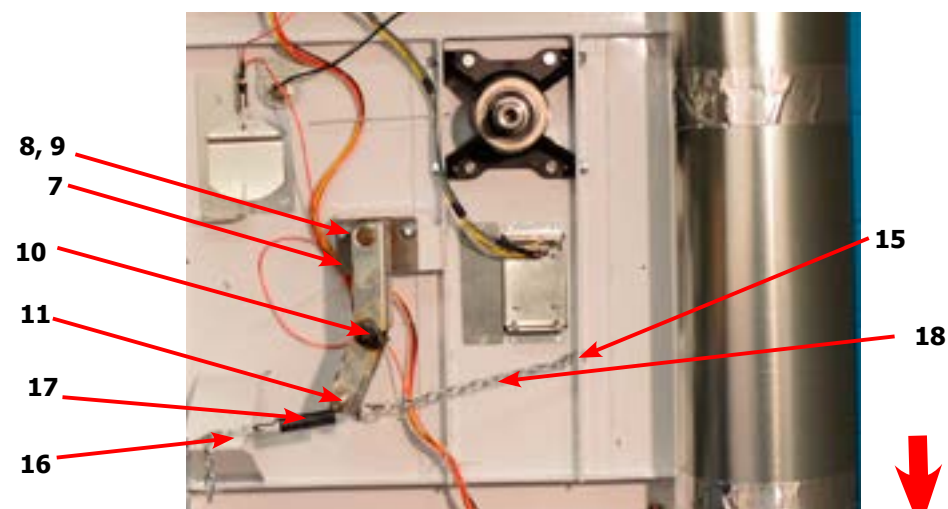
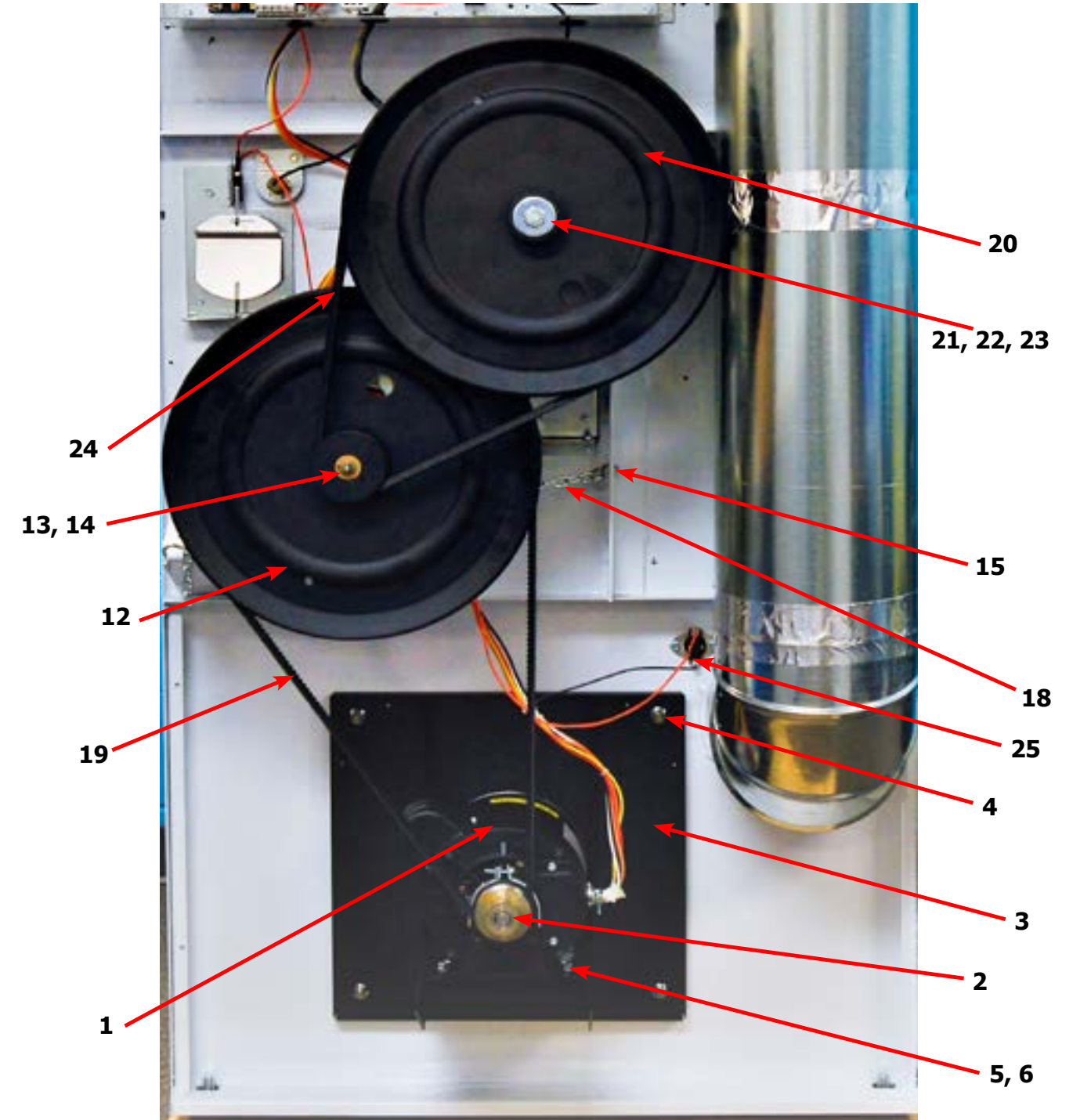
Dryer Modular Cabinet Group (After Serial D1.23090.024)


Key	Description	T80	QTY
1	Cabinet Base Assembly	9945-162-001	1
*	Lower Back Panel Assembly	9989-716-002	1
2	Lower Cabinet RH Side Panel	9444-091-003	1
3	Lower Cabinet LH Side Panel	9444-091-004	1
4	Lower Cabinet Front Channel	9081-217-001	1
*	Upper Back Panel Assembly	9989-717-002	1
5	RH Middle Side Panel Assembly	9989-718-003	1
6	LH Middle Side Panel Assembly	9989-718-004	1
7	Cabinet Top Assembly	9961-163-002	1
8	RH Baffle	9049-129-001	1
9	LH Baffle	9049-129-002	1
*	Baffle Stiffener Angle	9003-384-001	2
10	RH Upper Side Panel	9444-095-003	1
11	LH Upper Side Panel	9444-095-004	1
12	Upper Cross Brace	9046-104-001	1
*	Heavy Hex Nut 7/16-14	8640-416-001	6
*	Spring Lockwasher 7/16	8641-582-013	6
*	10abx3/8 Screw	9545-008-024	28
*	Large Head Pop Rivet	8638-190-028	4
*	3/16 Blind Rivet	9491-009-001	111
*	Wht 3/16 Blind Rivet	9491-009-005	54
*	Hex kep Nut 1/4-20unc, 2b	8640-414-006	10
*	LH Rear Side Angle	9003-326-002	1
*	RH Rear Side Angle	9003-327-002	1



Dryer Rear View 30Lb

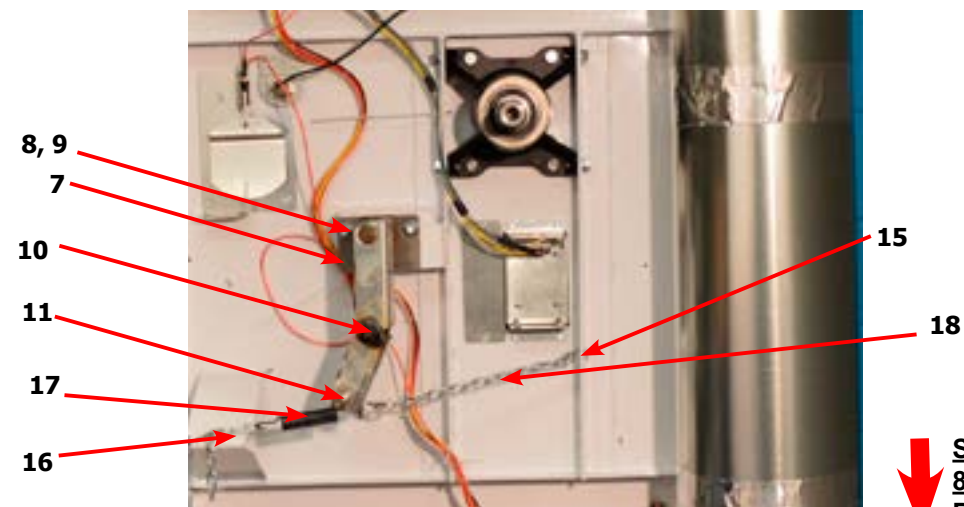
Key	Description	T-30	QTY
1	Motor	9376-311-005	1
2	Pulley	9453-157-001	1
*	Set screw	9545-028-013	1
3	Plate, Motor mounting	9982-370-002	1
*	Gasket, Motor Plate	9206-428-002	1
4	Nut-3/8-16, Plate to cabinet	8640-415-004	4
*	Impeller w/set screw	9278-043-001	1
5	Screw, 5/16-18x5/8	9545-014-004	4
6	Nut, 5/16-18	8640-400-003	4
7	Support Arm, Intermediate pulley	9991-053-001	1
8	Bolt- 3/8-16x1 1/4	9545-029-010	3
9	Nut, Wizlock, 3/8x16	8640-415-004	3
*	Cap Screw, 3/8-16x1 1/2	9545-029-003	1
*	Snap Ring	9487-200-003	1
*	Washer-Flat, 3/8x1	8641-581-035	3
10	Idler Arm Assembly	9861-022-001	1
11	Washer-Flat, 3/8x1	8641-581-035	2
12	Pulley, Idler w/Bearings	9908-039-004	1
13	Bearing, Bronze	9036-145-002	2
14	Snap Ring	9487-200-003	1
15	Hook "S" type	9248-022-002	3
16	Chain, Spring tension	9099-012-002	1
17	Spring, tension	9534-319-002	1
18	Chain, Limit	9099-012-007	1
19	Belt Drive	9040-076-003	1
*	Tolerance Ring	9487-234-005	1
20	Pulley, Driven	9908-049-002	1
21	Washer-Flat, 1/2	8641-581-026	1
22	Washer-Lock, Ext. tooth, 1/2	8641-582-016	1
23	Bolt-3/4, 1/2-13x1 1/4	9545-017-009	1
24	Belt, Driven	9040-073-009	1
25	Thermostat-safety reset	9576-207-006	1
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	2




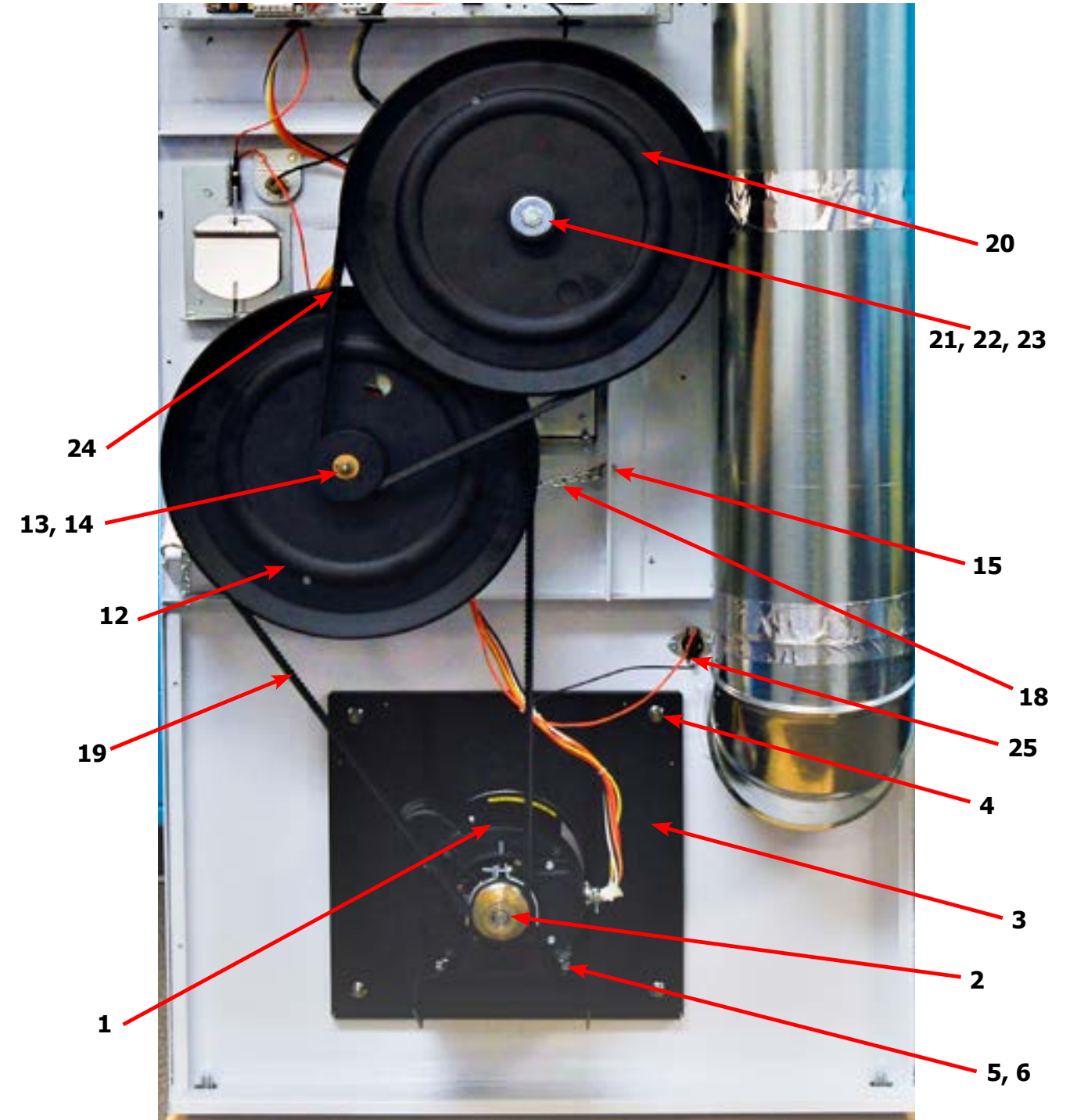

**Scroll down for
50lb and 80lb
Parts Breakdown**

Dryer Rear View 50Lb

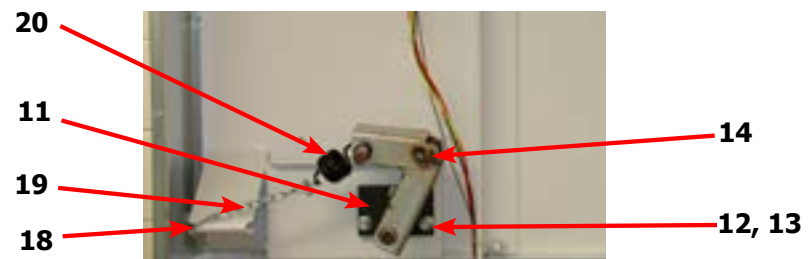
Key	Description	T-50	QTY
1	Motor	9376-317-001	1
2	Pulley	9453-169-013	1
*	Set screw	9545-028-013	1
3	Plate, Motor mounting	9982-370-002	1
*	Gasket, Motor Plate	9206-428-002	1
4	Nut-3/8-16, Plate to cabinet	8640-415-004	4
*	Impeller w/set screw	9278-037-003	1
5	Screw, 5/16-18x5/8	9545-014-004	4
6	Nut, 5/16-18	8640-400-003	4
7	Support Arm, Intermediate pulley	9991-053-002	1
8	Bolt- 3/8-16x1 1/4	9545-029-010	3
9	Nut, Wizlock, 3/8x16	8640-415-004	3
*	Cap Screw, 3/8-16x1 1/2	9545-029-012	1
*	Snap Ring	9487-200-003	1
*	Washer-Flat, 3/8x1	8641-581-035	3
10	Idler Arm Assembly	9861-022-002	1
11	Washer-Flat, 3/8x1	8641-581-035	2
12	Pulley, Idler w/Bearings	9908-048-003	1
13	Bearing, Bronze	9036-145-002	2
14	Snap Ring	9487-200-003	1
15	Hook "S" type	9248-022-002	3
16	Chain, Spring tension	9099-012-002	1
17	Spring, tension	9534-319-002	1
18	Chain, Limit		1
19	Belt Drive	9040-076-006	1
*	Tolerance Ring	9487-234-005	1
20	Pulley, Driven	9908-047-002	1
21	Washer-Flat, 1/2	8641-581-026	1
22	Washer-Lock, Ext. tooth, 1/2	8641-582-016	1
23	Bolt-3/4, 1/2-13x1 1/4	9545-017-009	1
24	Belt, Driven	9040-073-011	1
25	Thermostat-safety reset	9576-207-006	1
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	2



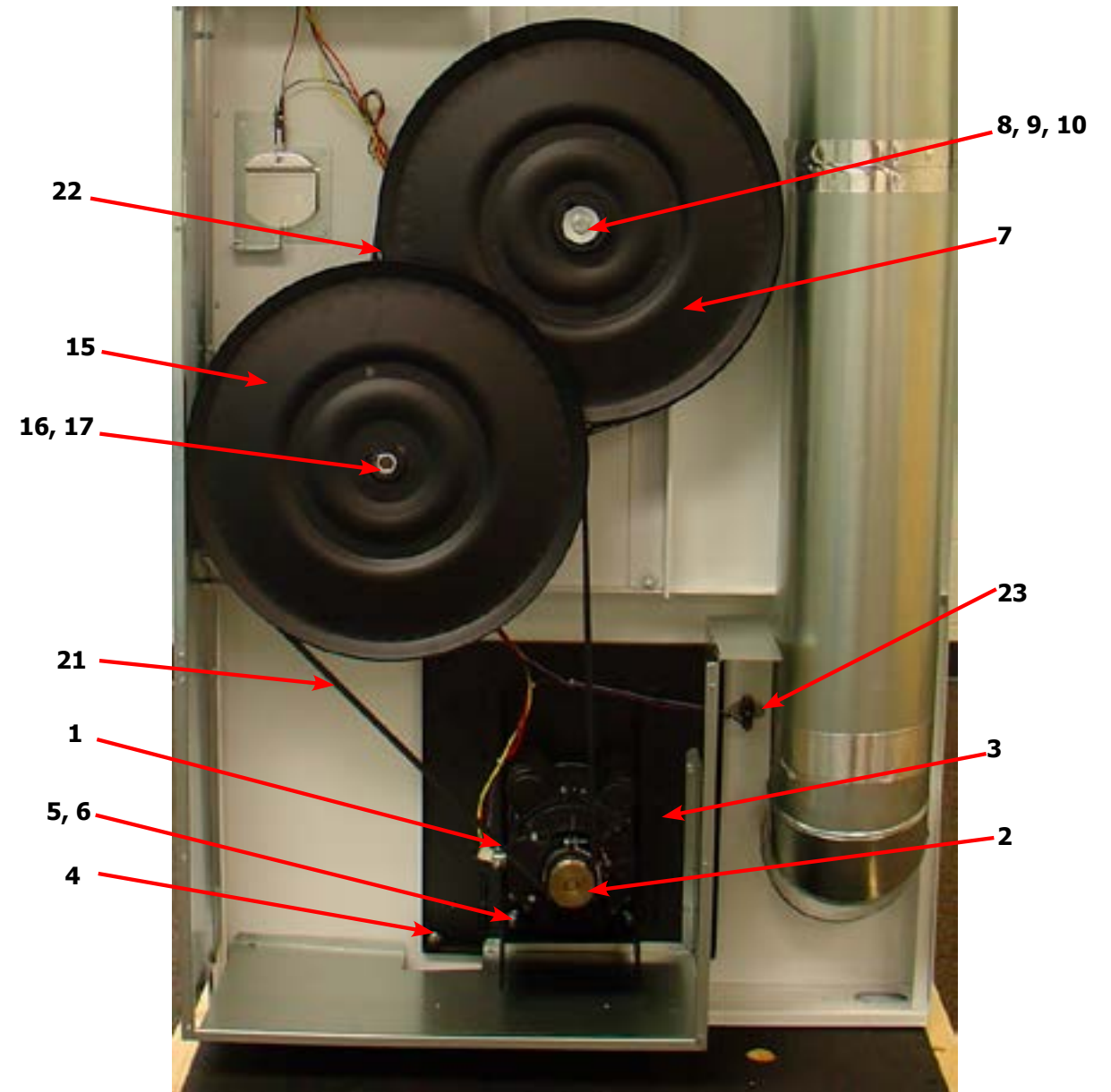

**Scroll down for
80lb Parts
Breakdown**



Key	Description	T-80	QTY
1	Motor	9376-317-001	1
2	Pulley	9453-157-001	1
*	Set screw	9545-028-013	1
3	Plate, Motor mounting	9982-372-002	1
*	Gasket, Motor Plate	9206-428-002	1
4	Nut-3/8-16, Plate to cabinet	8640-415-004	4
*	Impeller w/set screw	9278-037-003	1
5	Screw, 5/16-18x5/8	9545-014-004	4
6	Nut, 5/16-18	8640-400-003	4
*	Tolerance Ring	9487-234-001	1
7	Pulley, Driven	9908-043-002	1
8	Washer-Flat, 1/2	8641-581-026	1
9	Washer-Lock, Ext. tooth, 1/2	8641-582-016	1
10	Bolt-3/4, 1/2-13x1/14	9545-017-009	1
11	Support Arm, Intermediate pulley	9991-053-002	1
12	Bolt- 3/8-16x1 1/4	9545-029-010	3
13	Nut, Wizlock, 3/8x16	8640-415-004	3
*	Cap Screw, 3/8-16x1 1/2	9545-029-012	1
*	Snap Ring	9487-200-003	1
*	Washer-Flat, 3/8x1	8641-581-035	1
14	Idler Arm Assembly	9861-024-004	1
*	Snap Ring	9487-200-006	1
*	Washer-Flat,	8641-581-039	1
15	Pulley, Idler w/Bearings	9908-042-006	1
*	Snapring, Inside-Bearing	9487-238-005	1
*	Bearing, Ball	9036-159-007	2
*	Spacer, Bearing	9538-173-002	1
16	Washer-Flat	8641-581-039	1
17	Nut, 5/8-11	8640-425-002	1
18	Hook "S" type	9248-022-002	3
19	Chain, Spring tension	9099-012-009	1
20	Spring, tension	9534-151-000	1
21	Belt Drive	9040-076-011	1
22	Belt, Driven	9040-073-012	1
23	Thermostat-Overtemp, Reset	9576-207-006	1
*	Plug-plastic,7/8"	9456-041-006	1

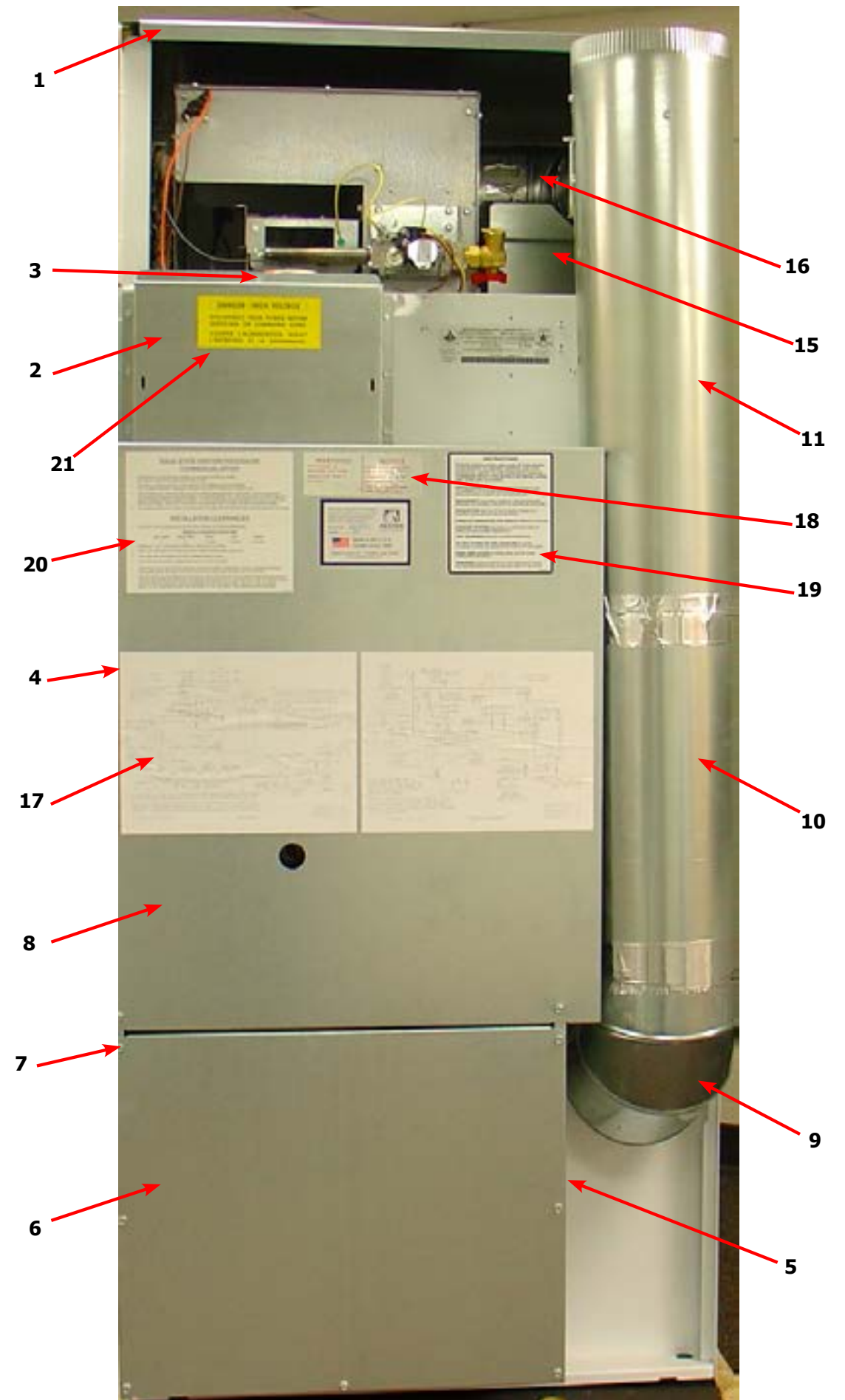
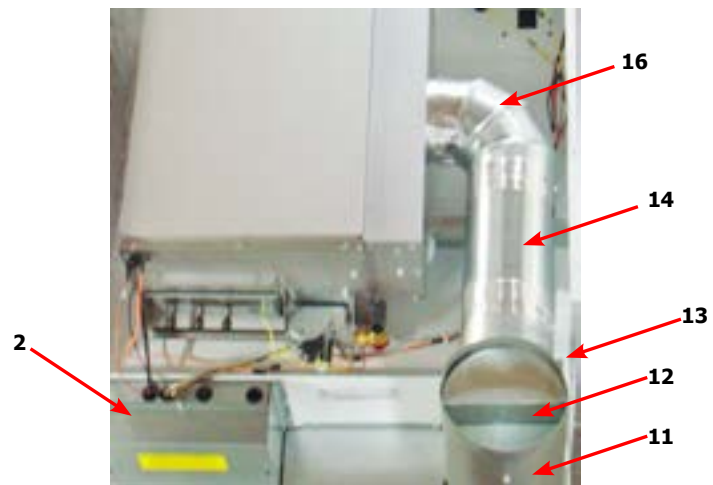


Dryer Rear View 80 Lb

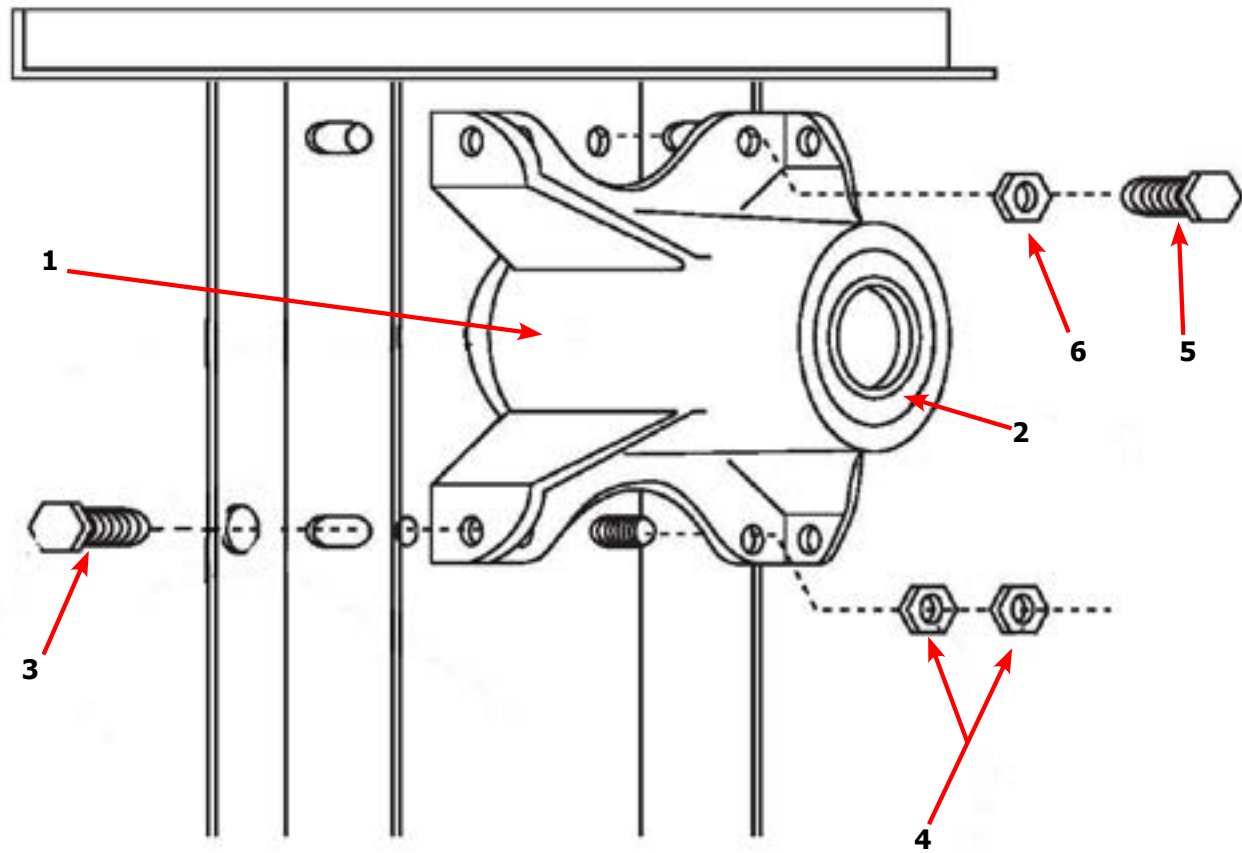


Dryer Rear View-Guard & Exhaust

Key	Description	T-30	T-50	T-80	QTY
1	Cover Cabinet	9074-347-001	9074-348-001	9074-349-001	1
*	Screw-5/16, 10ABx3/8	9545-008-024	9545-008-024	9545-008-024	AR
2	Cover-Control Box	9074-346-001	9074-353-001	9074-346-001	1
3	Screw-5/16, 10ABx3/8	9545-008-024	9545-008-024	9545-008-024	AR
4	Guard, RH	9208-093-001	9208-097-001	9208-101-001	1
*	Screw-5/16, 10ABx3/8	9545-008-024	9545-008-024	9545-008-024	AR
5	Guard Base & LH	9208-094-001	9208-098-001	9208-102-001	1
*	Screw-5/16, 10ABx3/8	9545-008-024	9545-008-024	9545-008-024	AR
6	Guard-Lower	9208-095-001	9208-099-001	9208-103-001	1
7	Screw-5/16, 10ABx3/8	9545-008-024	9545-008-024	9545-008-024	AR
8	Guard-upper	9208-150-001	9208-152-001	9208-105-001	1
*	Screw-5/16, 10ABx3/8	9545-008-024	9545-008-024	9545-008-024	AR
9	Elbow-90 degree, 8"	9142-039-001	9142-039-001	9142-039-001	1
10	Pipe-Duct, 8"	9109-121-001	9109-121-002	9109-121-002	1
11	Tee-Duct, Recirculation, 8"-6"	9810-018-001	9810-018-001	9810-019-001	1
12	Damper	9125-002-001		9125-008-001	1
*	Pin-Damper, Hinge	9451-146-002		9451-146-002	1
*	Nut-Spring	8520-141-000		8520-141-000	2
13	Bracket-Recirculation Duct, Small	9029-228-001	9029-228-001	9029-228-001	1
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	9545-008-024	9545-008-024	2
14	Pipe-Duct, 6"	9109-122-001	9109-122-003	9109-122-003	1
15	Bracket-Duct, Recirculation Large	9029-246-001	9029-247-001	9029-247-001	1
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	9545-008-024	9545-008-024	2
16	Elbow-90 degree, 6"	9142-039-002	9142-039-002	9142-039-002	1
*	Booklet-Owners	8514-291-001	8514-291-001	8514-291-001	1
17	Wiringlabel-diagram/inform	9507-017-001	9507-036-001	9507-040-001	1
	Wiringlabel-schematic	9508-017-001	9507-036-001	9508-040-001	
18	Label-Warning & Notice	8502-763-001	8502-763-001	8502-763-001	1
19	Label-Instructions (English)	8502-645-001	8502-645-001	8502-645-001	1
	Label-Instructions (French)	8502-645-002	8502-645-002	8502-645-002	
20	Decal-Lighting & Clearance (English)	8527-151-001	8527-151-001	8527-151-001	1
	Decal-Lighting & Clearance (French)	8527-151-002	8527-151-002	8527-151-002	
21	Label-High Voltage	8502-614-004		8502-614-001	1
*	8" Slide Oen Clean Out Duct (Optional)	9973-034-001	9973-034-001	9973-034-001	1



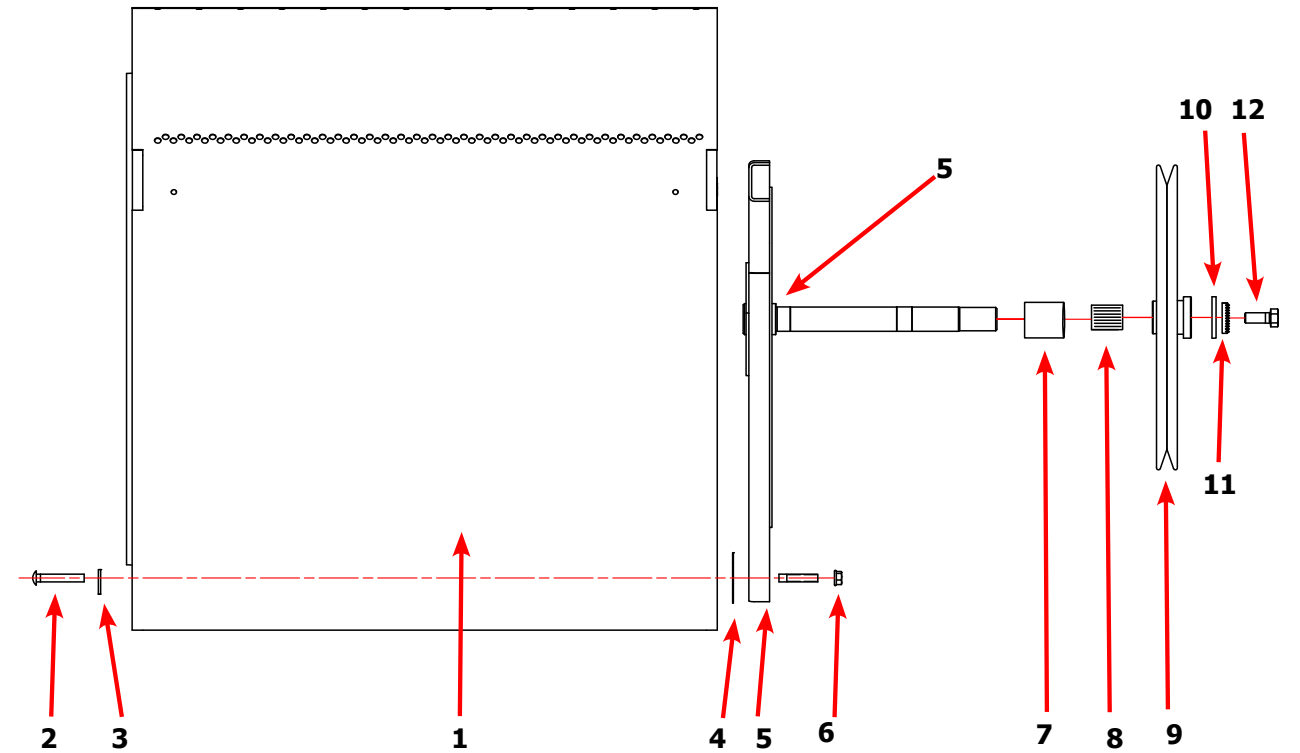
Dryer Rear View-Bearing Housing 30Lb



Key	Description	T-30	QTY
*	Bearing Housing Complete Assy (Includes bearings & Spacer)	9803-160-003	1
1	Housing, Bearing	9241-161-002	1
*	Bearing, Ball, Front	9036-130-001	1
*	Spacer, Bearing	9538-139-002	1
2	Bearing, Ball, Rear	9036-130-001	1
3	Screw-Wizlock, 3/8-24x3/4	9545-049-002	4
4	Nut, 5/16-18	8640-400-002	4
5	Screw, 3/8-24x1	9545-049-001	2
6	Nut, 3/8-24	8640-415-002	2
*	Shim, Tumbler	9552-013-003	AR

↓ Scroll down for
50lb and 80lb
Parts Breakdown

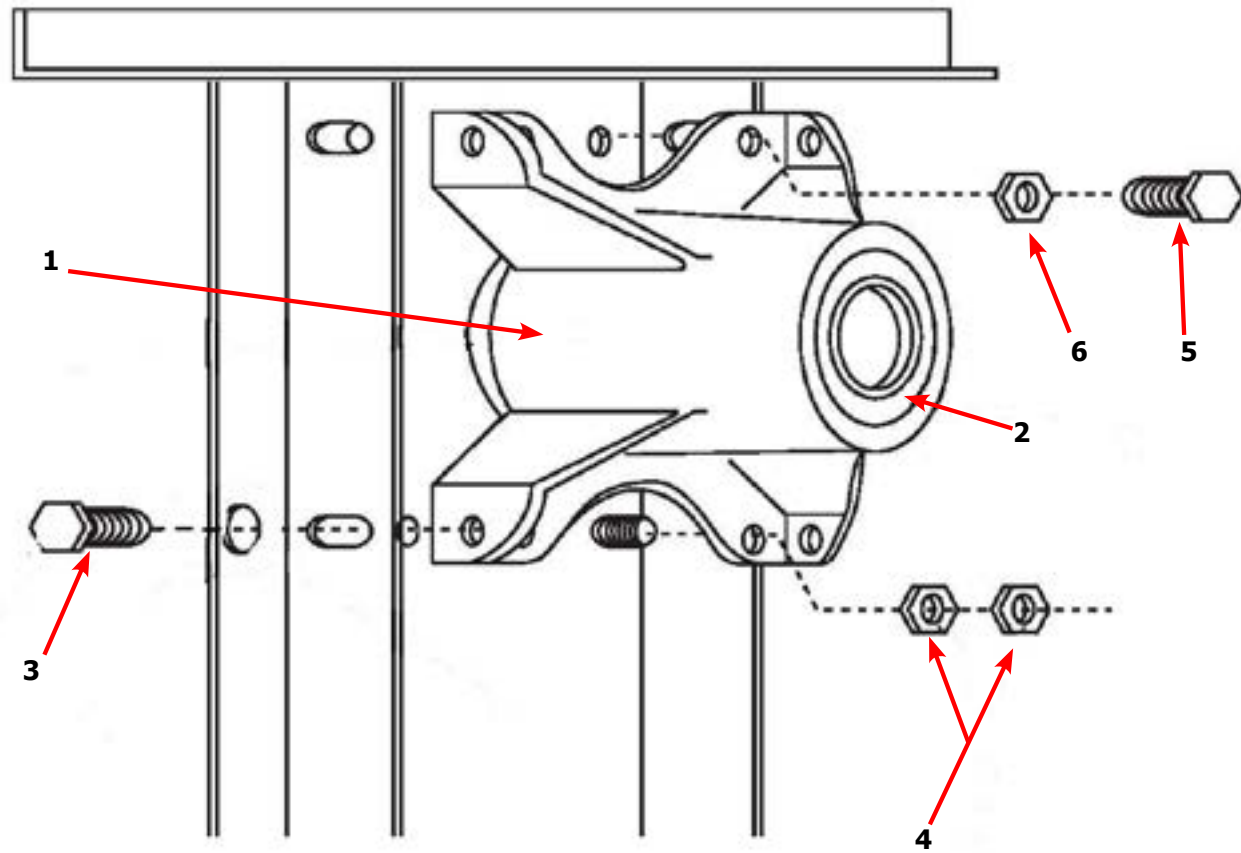
Dryer Tumbler Group 30Lb



Key	Description	T-30	QTY
*	Tumbler Assy Complete W/Spider (GALV)	9848-147-003	1
1	Tumbler Assy (Galvanized)	9848-146-004	1
1	Tumbler Assy Complete W/Spider (SS & Galv front)	9848-147-004	1
1	Tumbler Assy (Stainless Galvanized front)	9848-146-005	1
2	Rod, Tumbler	9497-019-003	3
3	Washer, Special	8641-554-001	3
4	Shim	9552-013-003	AR
5	Spider Assy	9568-015-002	1
6	Nut, Wiz Lock	8640-415-004	3
7	Spacer-Shaft	9538-164-002	1
8	Tolerance Ring	9487-234-005	1
9	Pulley, Driven	9908-049-002	1
10	Washer -Flat	8641-581-026	1
11	LockWasher - IntTooth, 1"	8641-582-016	1
12	Screw, 1/2-13x1 1/4	9545-017-009	1

↓ Scroll down for
50lb and 80lb
Parts Breakdown

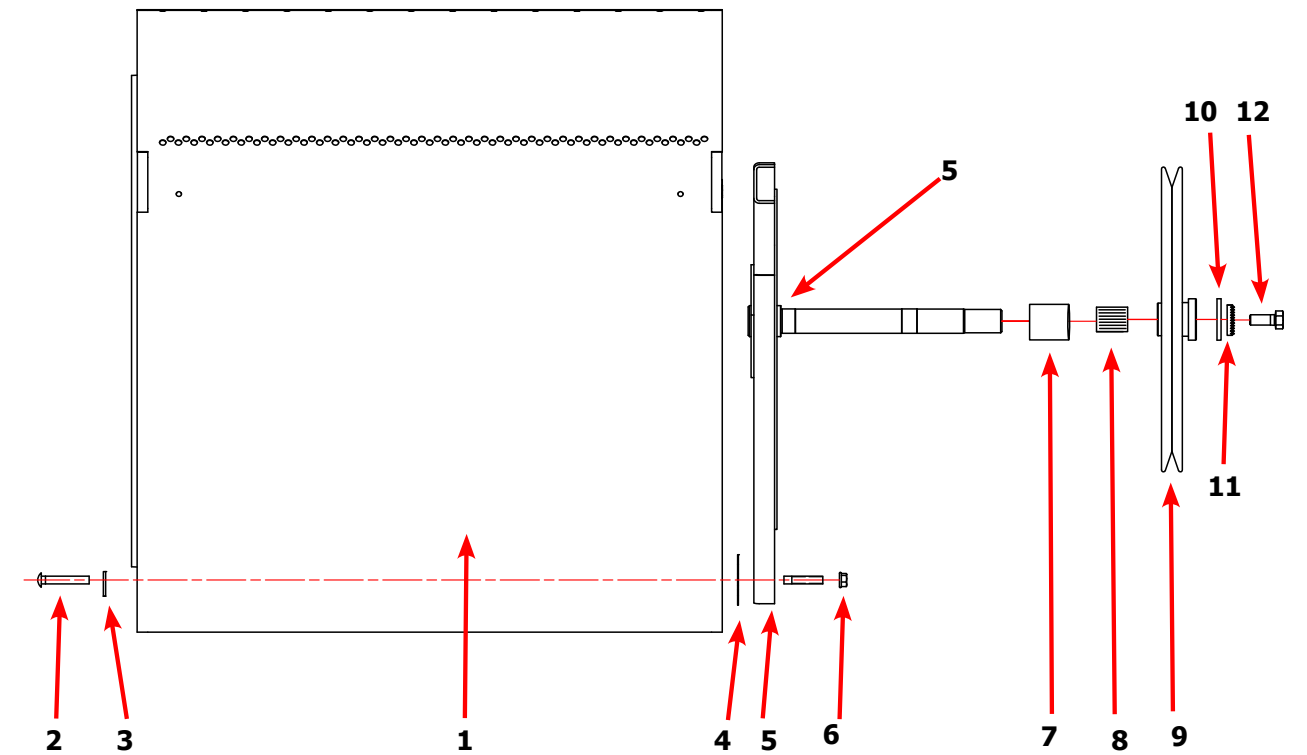
Dryer Rear View-Bearing Housing 50Lb



Key	Description	T-50	QTY
*	Bearing Housing Complete Assy (Includes bearings & Spacer)	9803-201-001	1
1	Housing, Bearing	9241-189-002	1
*	Bearing, Ball, Front	9036-159-001	1
*	Spacer, Bearing	9538-183-001	1
2	Bearing, Ball, Rear	9036-159-003	1
3	Screw-Wizlock, 1/2-13x3/4	9545-017-017	4
5	Screw, 1/2-13x1 1/2	9545-017-018	2
6	Nut, 1/2-13	8640-417-002	2
*	Shim, Tumbler	9552-013-003	AR

↓ Scroll down for
80lb Parts
Breakdown

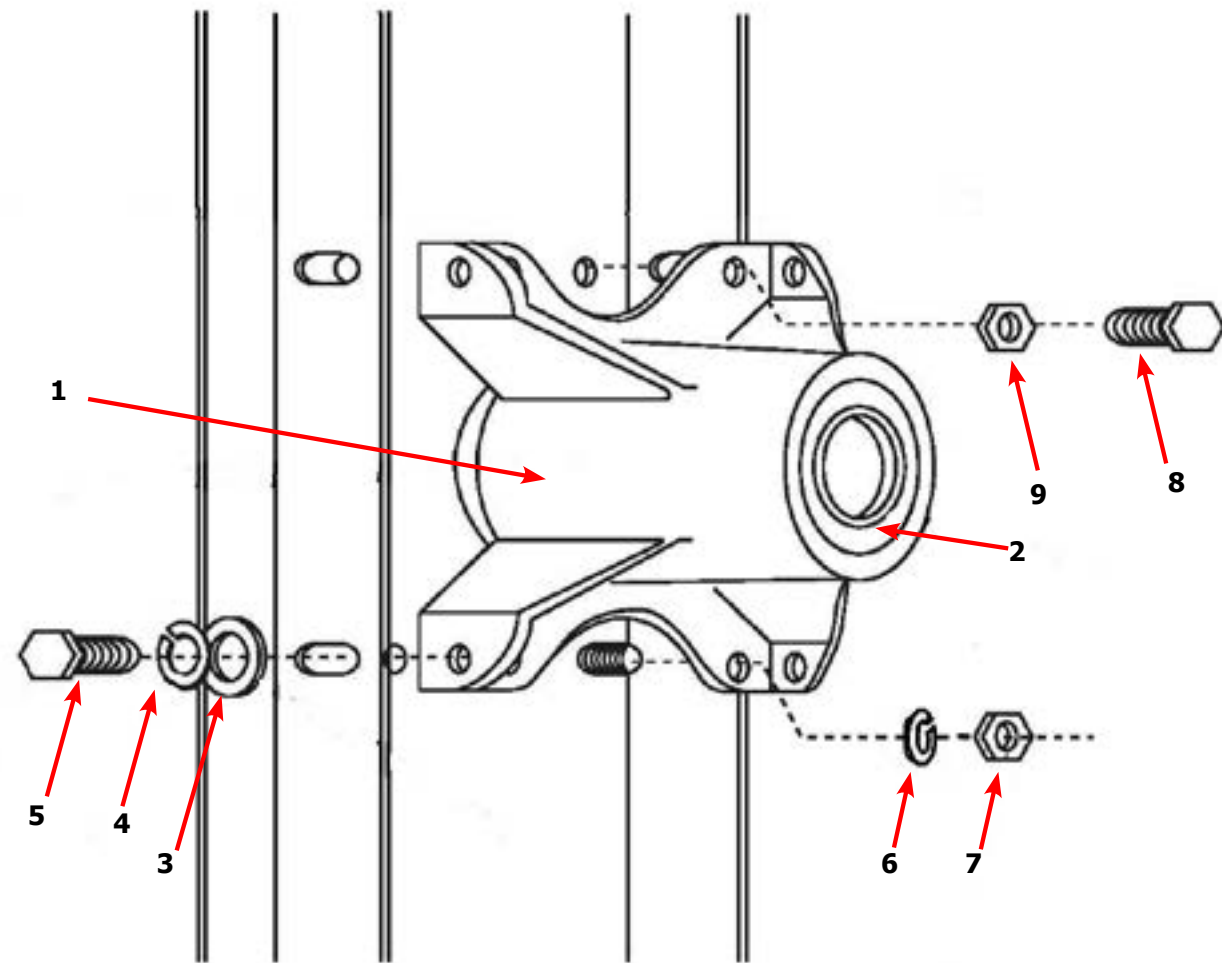
Dryer Tumbler Group 50Lb



Key	Description	T-50	QTY
*	Tumbler Assy Complete W/Spider (GALV)	9848-158-003	1
1	Tumbler Assy (Galvanized)	9848-157-003	1
1	Tumbler Assy Complete W/Spider (SS & Galv front)	9848-158-004	1
1	Tumbler Assy (Stainless Galvanized front)	9848-157-004	1
2	Rod, Tumbler	9497-226-002	3
3	Washer, Special	8641-590-002	3
4	Shim	9552-013-000	AR
5	Spider Assy	9568-017-002	1
6	Nut, Wiz Lock	8640-417-005	3
7	Spacer-Shaft	9538-184-001	1
8	Tolerance Ring	9487-234-005	1
9	Pulley, Driven	9908-047-002	1
10	Washer -Flat	8641-581-026	1
11	LockWasher - IntTooth, 1"	8641-582-016	1
12	Screw, 1/2-13x1 1/4	9545-017-009	1

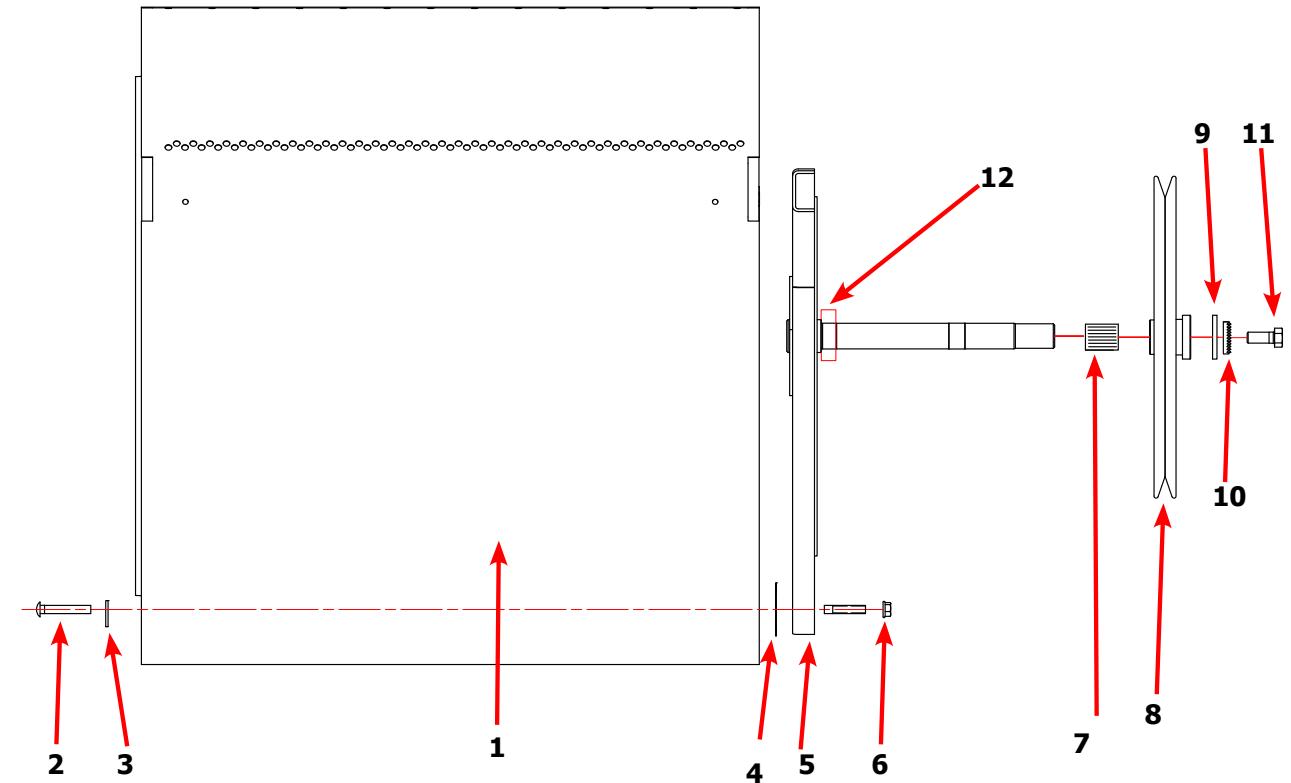
↓ Scroll down for
80lb Parts
Breakdown

Dryer Rear View-Bearing Housing 80Lb



Key	Description	T80	QTY
	Bearing Housing Complete Assy (Includes bearings & Spacer)	9803-189-001	1
1	Housing, Bearing	9241-183-003	1
*	Bearing, Ball, Front	9036-159-002	1
2	Bearing, Ball, Rear	9036-159-001	1
3	Washer, Flat 1/2	8641-581-026	4
4	Lock Washer Spring, 1/2	8641-582-004	2
5	Screw, 1/2-13x1	9545-017-004	4
6	Lock Washer Spring, 1/2	8641-582-004	4
7	Nut, 7/16-14	8640-416-001	2
8	Screw, 7/16-14x1 1/2	9545-059-003	2
9	Nut, 7/16-14	8641-416-001	2

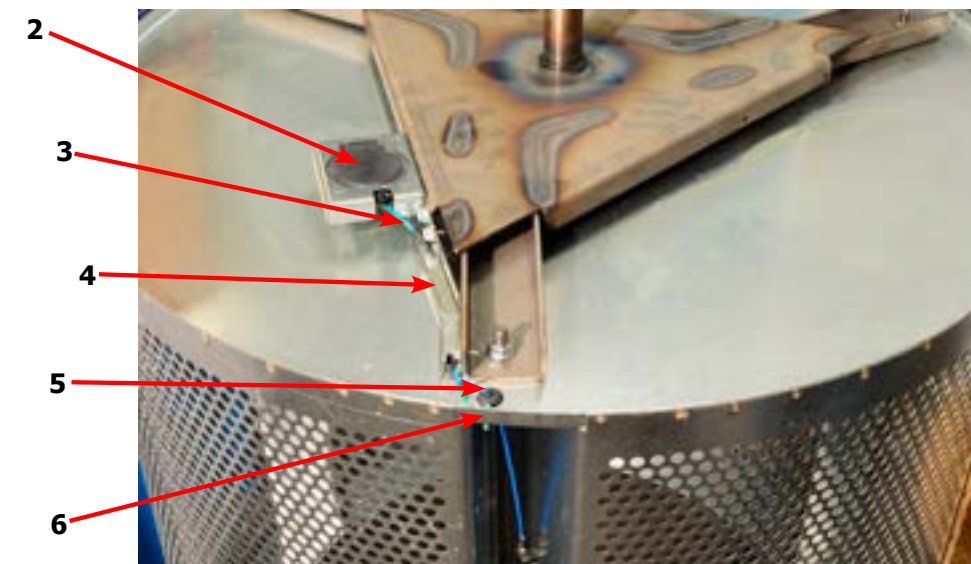
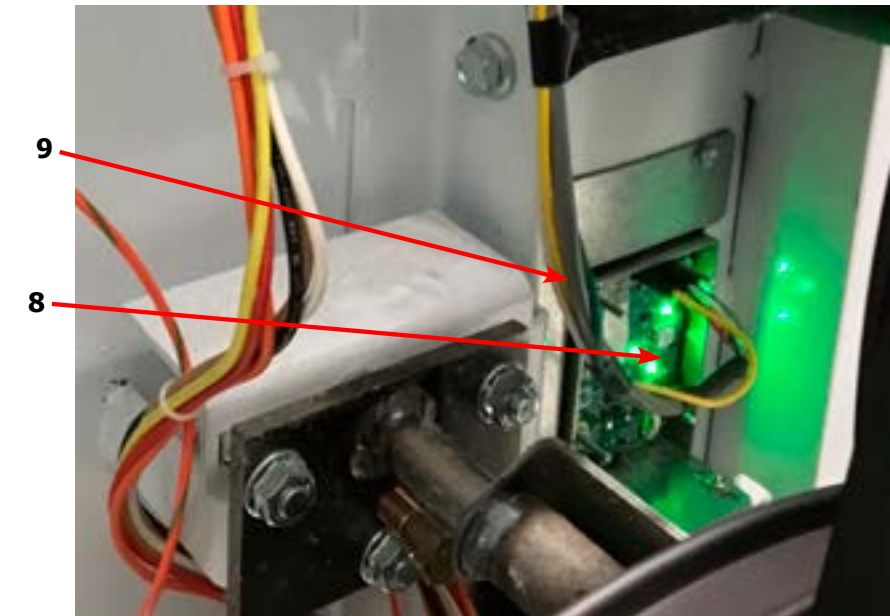
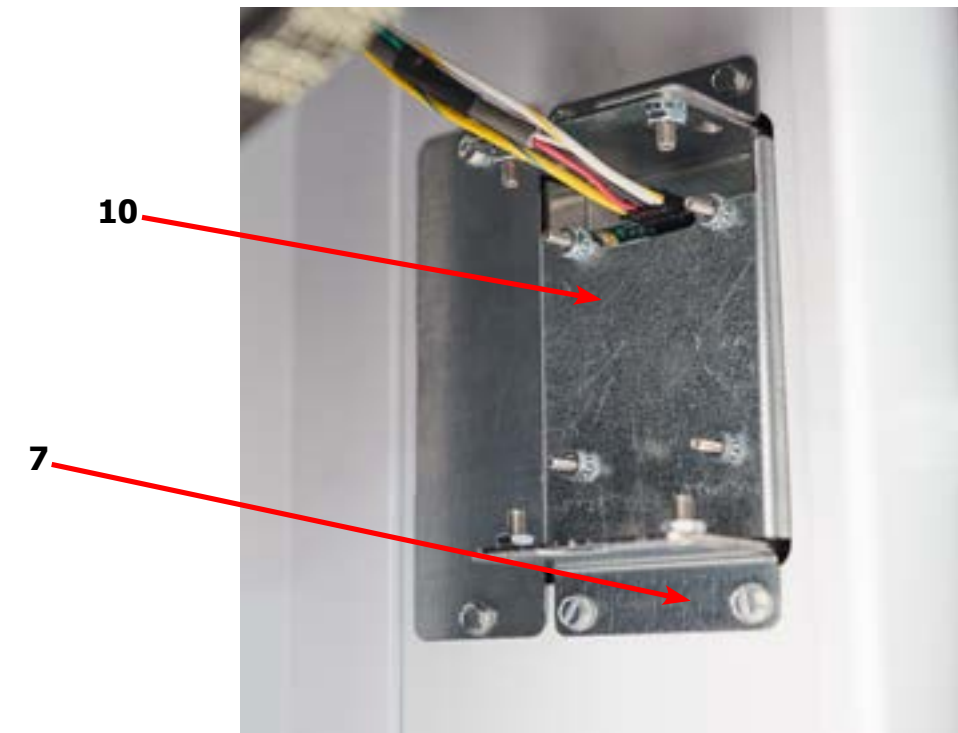
Dryer Tumbler Group 80Lb



Key	Description	T80	QTY
*	Tumbler Assy Complete W/Spider (GALV)	9848-151-005	1
1	Tumbler Assy (Galvanized)	9848-150-005	1
1	Tumbler Assy Complete W/Spider (SS & Galv front)	9848-151-006	1
1	Tumbler Assy (Stainless Galvanized front)	9848-150-006	1
2	Rod, Tumbler	9497-226-001	4
3	Washer, Special	8641-590-001	4
4	Shim	9552-013-000	AR
5	Spider Assy w/Front Bearing	9873-008-001	1
6	Nut, Wiz Lock	8640-417-005	4
7	Tolerance Ring	9487-234-001	1
8	Pulley, Driven	9908-043-002	1
9	Washer -Flat	8641-581-026	1
10	LockWasher - IntTooth, 1"	8641-582-016	1
11	Screw, 1/2-13x1 1/4	9545-017-009	1
12	Bearing, Front	9036-159-002	1

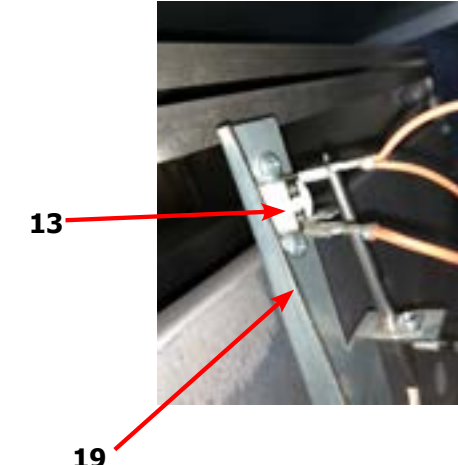
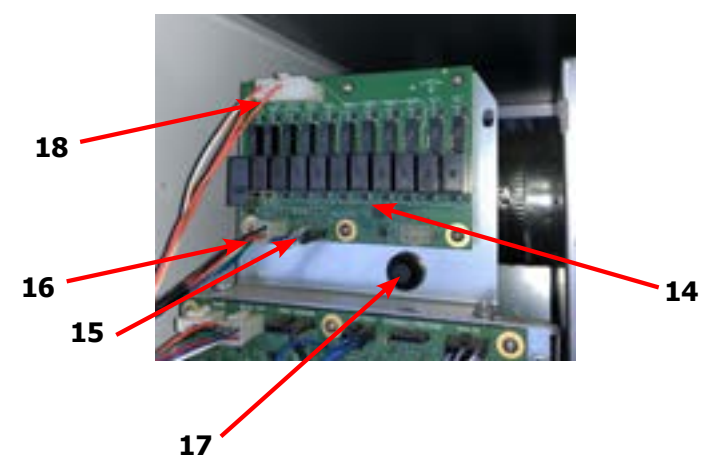
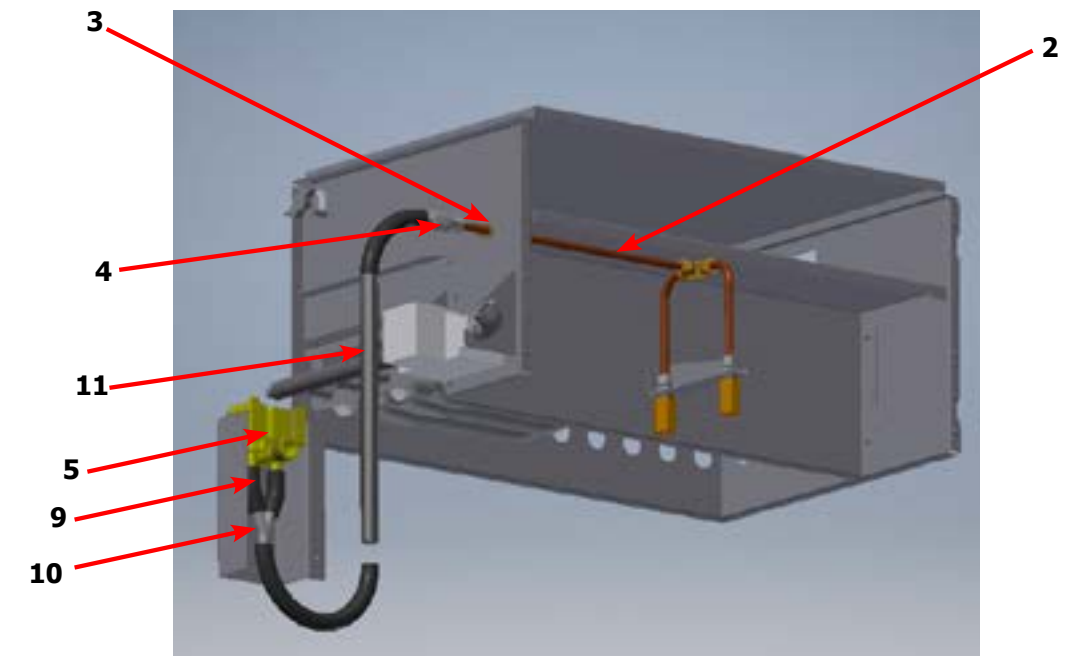
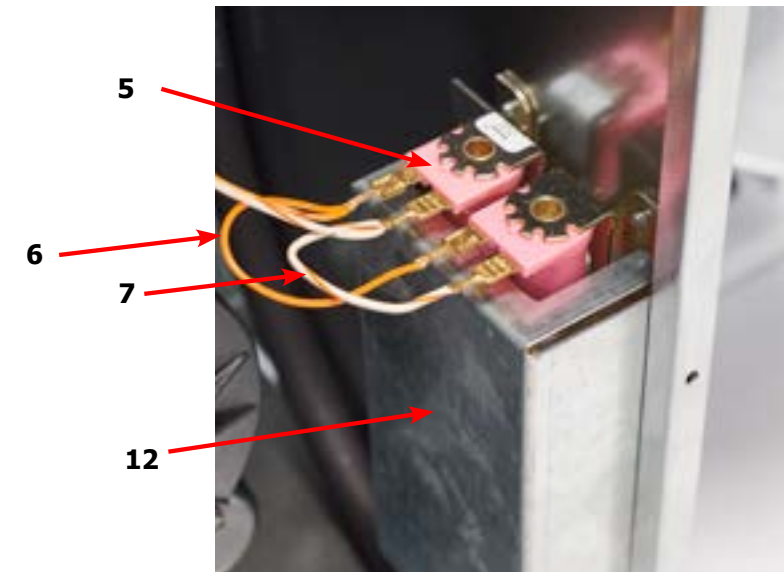
RMC Parts

Key	Description	T-30	T-50	T-80	QTY
1	Strip-sensing,moisture	9558-034-001	9558-034-001	9558-034-001	1
*	Rivet-blind,3/16steel	9491-009-001	9491-009-001	9491-009-001	6
2	Controlsassy-rotatingpcb,rmc	9857-248-001	9857-248-001	9857-248-001	1
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	9545-008-024	9545-008-024	2
3	Wiringharness-rmc,sensor,	9627-941-001	9627-941-002	9627-941-003	1
4	Conduit-rmcwires,	6068-052-001	6068-053-001	6068-054-001	1
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	9545-008-024	9545-008-024	2
5	Grommet-3/16id	9209-037-002	9209-037-002	9209-037-002	1
6	Screw-hxwshrhdsl,10-32tx1/2grn	9545-008-027	9545-008-027	9545-008-027	1
*	Lockwasher-exttooth,#10	8641-582-006	8641-582-006	8641-582-006	1
7	Bracketassy-cabinet,rmc	9985-204-001	9985-204-001	9985-204-001	2
*	Screw-hxwshdsl,10bx1/4	9545-008-001	9545-008-001	9545-008-001	4
8	Controlsassy-stationarypcb,rmc	9857-247-001	9857-247-001	9857-247-001	1
*	Nut-hexkeps,#10-32unf,2b	8640-413-002	8640-413-002	8640-413-002	2
9	Wiringharn-rmc,can/pwr,	9627-940-001	9627-940-001	9627-940-002	1
10	Cover-service,rmc	9074-385-001	9074-385-001	9074-385-001	1
*	Screw-hxwshdsl,10bx1/4	9545-008-001	9545-008-001	9545-008-001	2



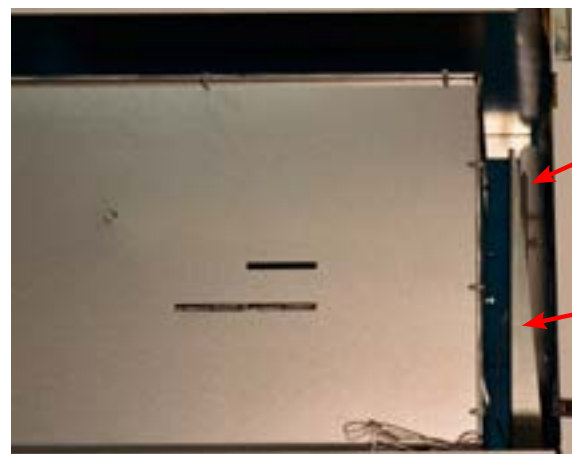
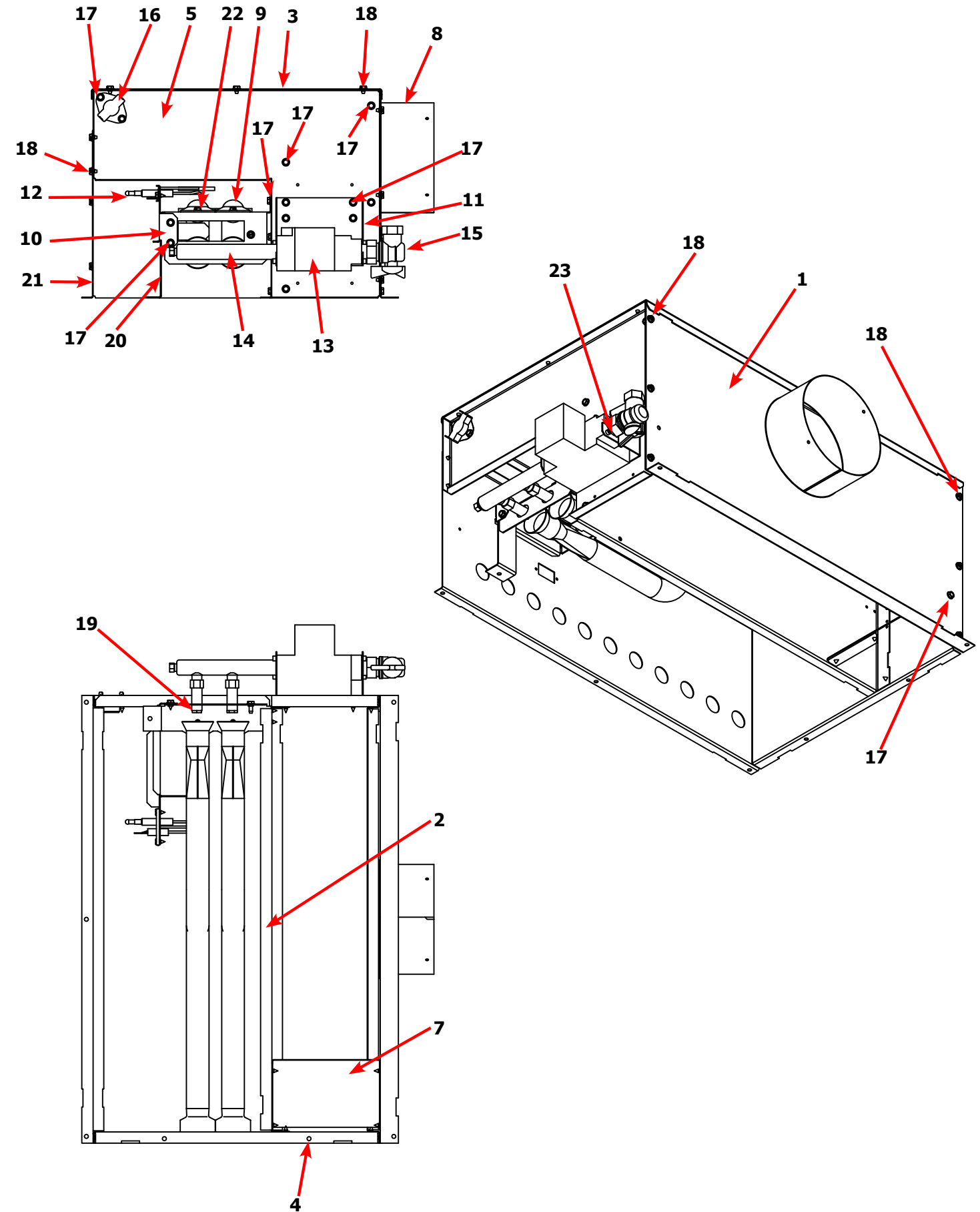
Water Suppression Parts


Key	Description	T-30	T-50	T-80	QTY
*	FSS Kit	9732-358-001	9732-358-002	9732-358-003	1
1	Nozzleassy-firesuppression	9872-004-001	9872-004-001	9872-004-001	1
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	9545-008-024	9545-008-024	3
2	Tube-nozzle,inlet	9574-261-001	9574-261-001	9574-261-001	1
3	Bushing-support	9053-083-001	9053-083-001	9053-083-001	1
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	9545-008-024	9545-008-024	1
4	Fitting-adapt,3/8nptto1/2hose	8615-115-001	8615-115-001	8615-115-001	1
5	Valve-water,24v,epdm(nsf)	9379-183-013	9379-183-013	9379-183-013	1
6	Wireasy-jumper,org/brn,101-6	8220-161-001	8220-161-001	8220-161-001	1
7	Wireasy-jumper,wht/org,60"-6"	8220-090-019	8220-090-019	8220-090-019	1
8	Screw-hxwshrhdunct,#10bx1/2	9545-008-026	9545-008-026	9545-008-026	2
9	Hose-water,3"	9242-453-031	9242-453-031	9242-453-031	2
10	Fitting-y,1/2	8615-119-001	8615-119-001	8615-119-001	1
11	Hose-water,1"	9242-453-032	9242-453-033	9242-453-033	1
*	Clamp-hose,worm,1in	8654-117-015	8654-117-015	8654-117-015	6
*	Clamp-cable	8654-061-001	8654-061-001	8654-061-001	2
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	9545-008-024	9545-008-024	2
12	Guard-watervalve	9208-145-001	9208-145-001	9208-145-001	1
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	9545-008-024	9545-008-024	2
13	Thermostat-fss	9576-212-001	9576-212-001	9576-212-001	1
*	Screw-hxwshdsLtd,8bx1/2	9545-045-002	9545-045-002	9545-045-002	2
	Wireasy-jumper,org,77"	8220-162-001	8220-162-001	8220-162-001	1
14	Pcbassy-relay	9799-028-001	9799-028-001	9799-028-001	1
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	9545-008-024	9545-008-024	2
15	Wireasy-jumper,v2.0,relaypcb	8220-159-006	8220-159-006	8220-159-006	1
16	Wiringharness-cntrl/relay,v2.0	9627-921-001	9627-921-001	9627-921-001	1
17	Switch-momentary,n.o.	9539-500-001	9539-500-001	9539-500-001	1
*	Wireasy-org,49"	8220-108-015	8220-108-015	8220-108-015	1
18	Wiringharness-relaypowerboard	9628-006-001	9628-006-001	9628-006-001	1
*	Wireasy-jumper,wht/org,5"	8220-161-002	8220-161-002	8220-161-002	1
*	Wireasy-org,11"	8220-108-014	8220-108-014	8220-108-014	1
19	Bracket-mtg,ohpsensor	9029-315-001	9029-315-001	9029-315-001	
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	9545-008-024	9545-008-024	



Dryer Burner Housing Group 30Lb

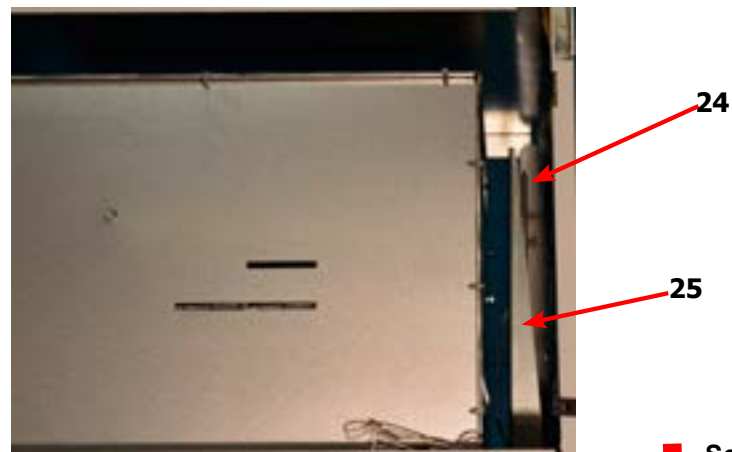
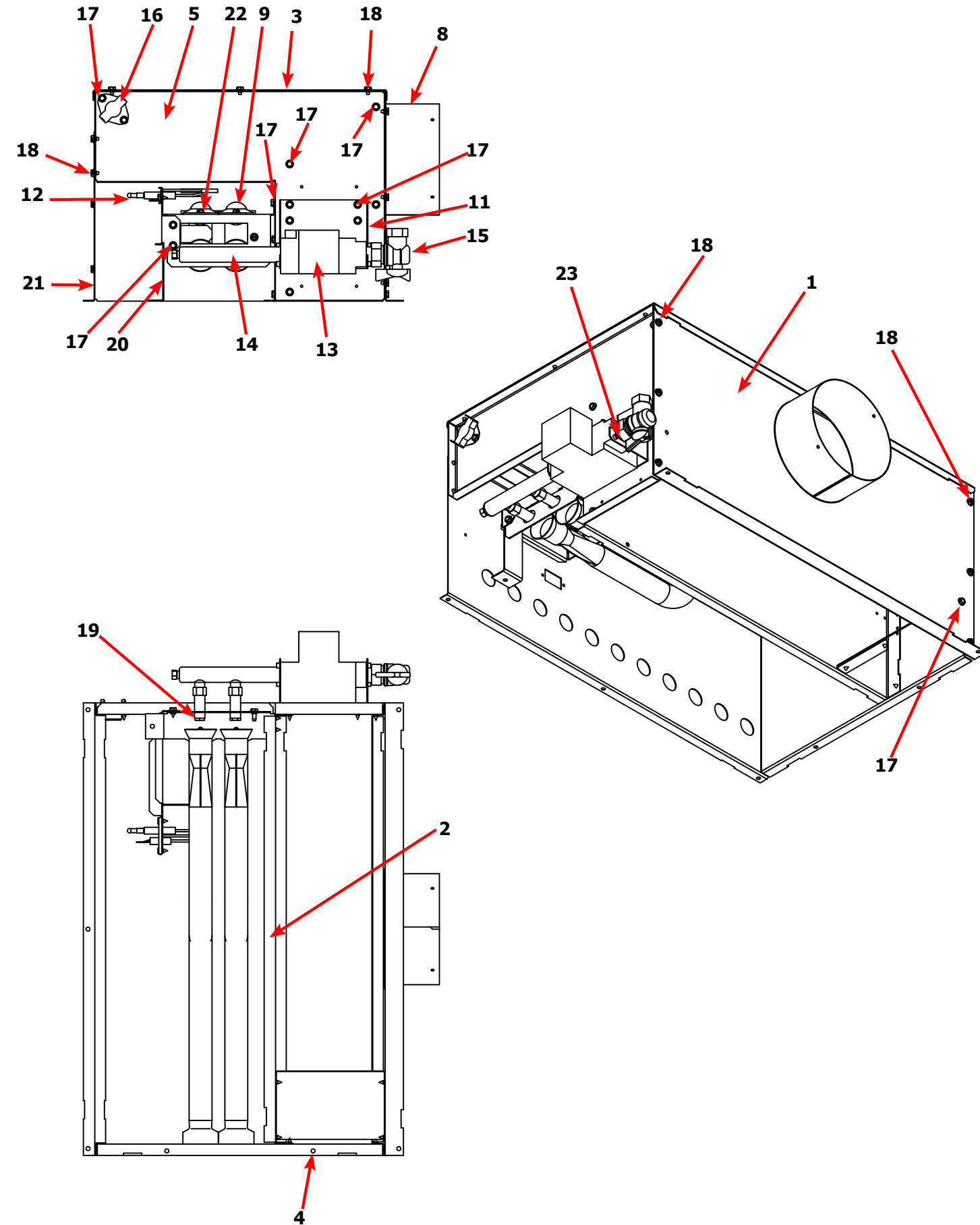
Key	Description	T-30	QTY
*	Housing Assembly, Burner	9803-210-001	1
1	Panel-Burner Housing, Side Left	9454-976-001	1
2	Baffle-Burner Housing, Center	9049-091-001	1
3	Panel-Burner Housing, Top	9454-975-001	1
4	Panel-Burner Housing, Front	9454-847-001	1
5	Panel-Burner Housing, Back	9454-848-001	1
7	Baffle-Burner Housing, Front	9049-093-001	1
8	Duct Adaptor, 6"x3" long	9109-120-001	1
9	Burner, Main	9048-021-001	2
10	Bracket-Support, Electrode	9029-214-001	1
11	Bracket-Support, Gas Valve	9029-227-001	1
12	Electrode-Ignition	9875-002-003	1
13	Control Assy,Gas Valve, White Rodgers 36J	9857-192-001	1
14	Manifold Assy	9381-009-007	1
16	Thermostat-HI-Limit	9576-203-002	1
*	Wireasy-org,#14,24"	8220-095-040	1
*	Wireasy-org,27"	8220-095-054	1
17	Screw, 10ABx3/8	9545-008-024	22
18	Screw, 10ABx1/4	9545-008-001	17
19	Orifice-Natural, .125	9425-069-023	2
*	Orifice-LP, #48	9425-069-003	2
*	Kit, LP Conversion, White Rodgers	9732-102-018	1
20	Bracket-Support, Burner	9029-225-001	1
21	Panel-Burner Housing, Side Right	9454-861-001	1
22	Screw, 10-32TTx1/2 Green	9545-008-027	3
23	Screw, 8-32x3/8	9545-010-014	4
24	Sensor-temp(thermistr),10k,wht	9501-004-004	1
25	Bracket-mtg,ohpsensor	9029-315-001	1
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	3
*	Screw-rdhdc,8bx1/4	9545-045-005	1
*	Nut-wireconn,#71b,blk	8640-276-005	2





**Scroll down for
50lb and 80lb
Parts Breakdown**

Dryer Burner Housing Group 50Lb

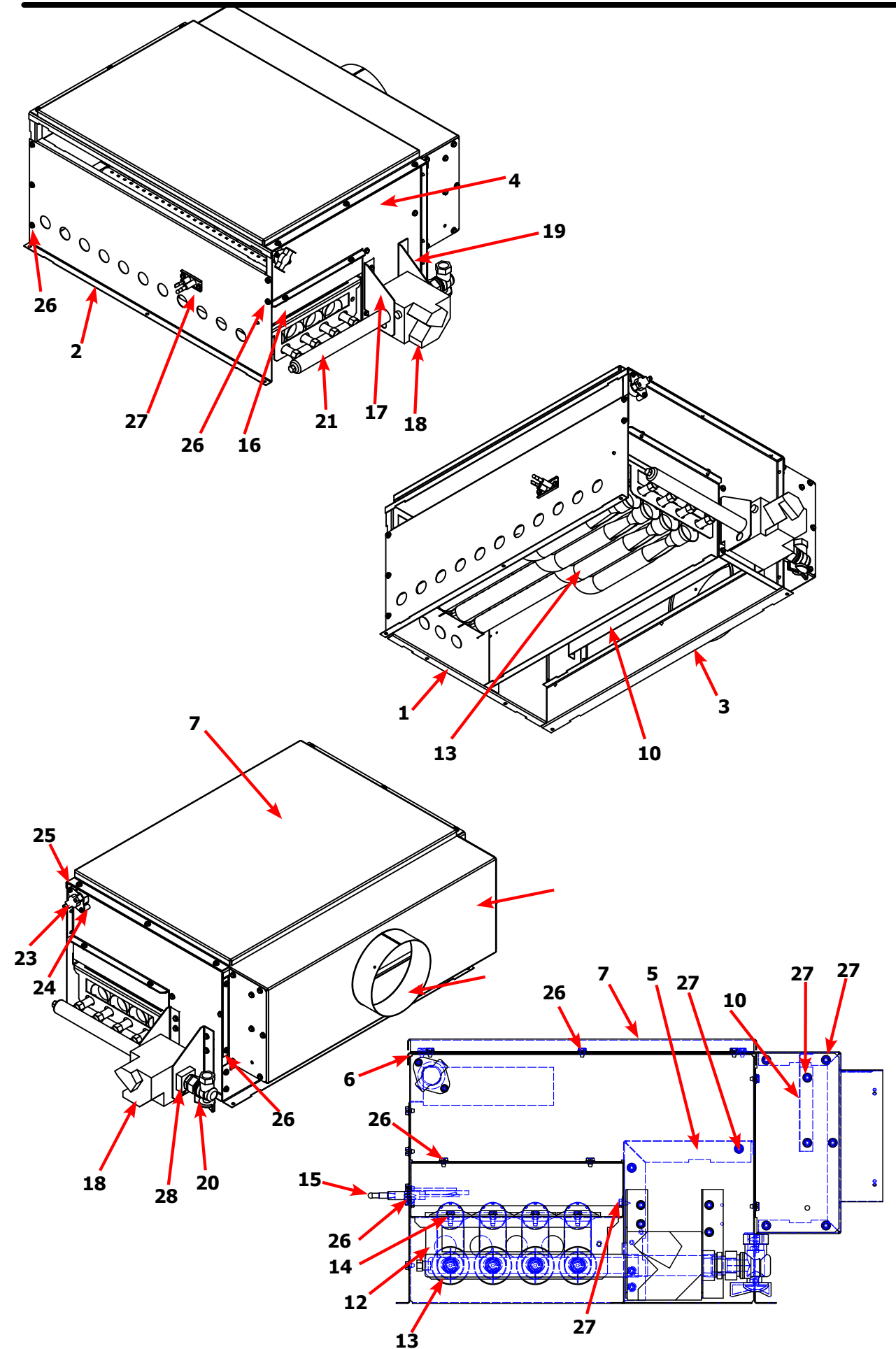
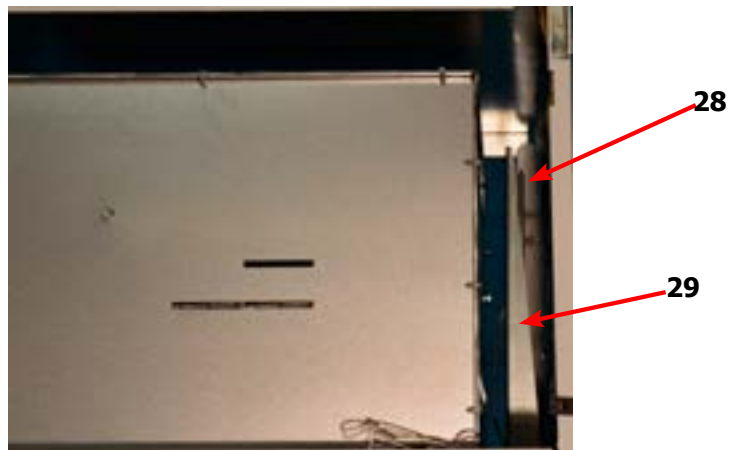
Key	Description	T-50	QTY
*	Housing Assembly, Burner	9803-211-001	1
1	Panel-Burner Housing, Side Left	9454-862-001	1
2	Baffle-Burner Housing, Center	9049-098-001	1
3	Panel-Burner Housing, Top	9454-977-001	1
4	Panel-Burner Housing, Front	9454-863-001	1
5	Panel-Burner Housing, Back	9454-864-001	1
7	Baffle-Burner Housing, Extension	9049-118-001	1
*	Baffle-Burner Housing, Side Extension	9551-069-001	2
8	Duct Adaptor, 6"x1.25" long	9109-120-003	1
9	Burner, Main	9048-021-001	2
11	Bracket-Support, Gas Valve	9029-227-001	1
12	Electrode-Ignition	9875-002-003	1
13	Control Assy,Gas Valve, White Rodgers 36J	9857-192-001	1
14	Manifold Assy	9381-010-003	1
16	Thermostat-HI-Limit	9576-203-002	1
*	Wireasy-org,#14,24"	8220-095-040	1
*	Wireasy-org,27"	8220-095-054	1
17	Screw, 10ABx3/8	9545-00-024	25
18	Screw, 10ABx1/4	9545-008-001	22
19	Orifice-Natural, .125	9425-069-002	2
*	Orifice-LP, #48	9425-069-003	2
*	Kit, LP Conversion, White Rodgers	9732-102-017	1
20	Bracket-Support, Burner	9029-213-001	1
21	Panel-Burner Housing, Side Right	9454-861-001	1
22	Screw, 10-32Tx1/2	9545-008-008	3
23	Screw, 8-32x3/8	9545-010-014	4
24	Sensor-temp(thermistr),10k,wht	9501-004-004	1
25	Bracket-mtg,ohpsensor	9029-315-001	1
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	3
*	Screw-rdhdc,8bx1/4	9545-045-005	1
*	Nut-wireconn,#71b,blk	8640-276-005	2




[Scroll down for 80lb Parts Breakdown](#)

Dryer Burner Housing Group 80Lb

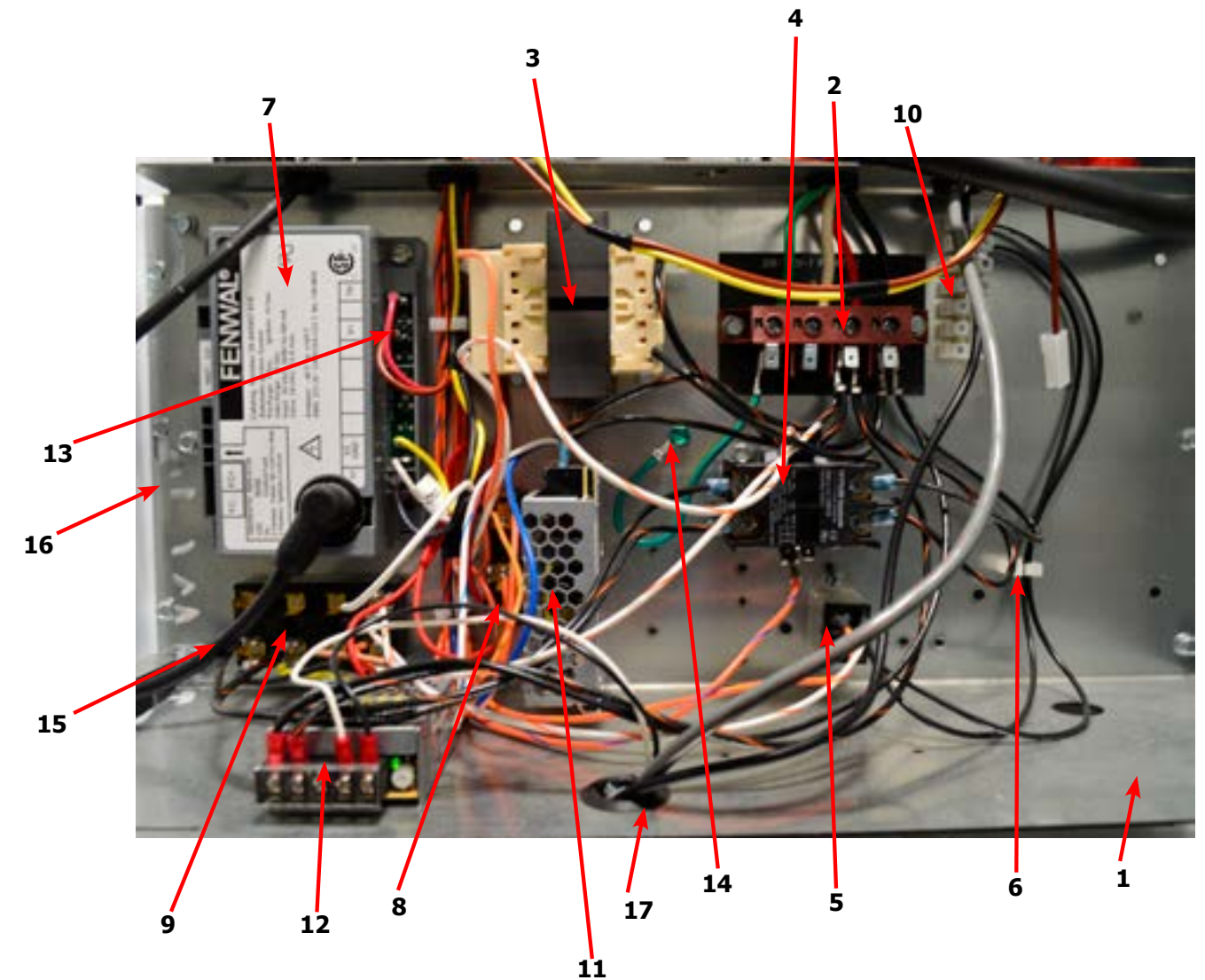
Key	Description	Part Number	Qty
	Housing Assembly, Burner	9803-212-001	1
1	Panel-Burner Housing, Front	9454-863-001	1
2	Panel-Burner Housing, Side Right	9454-861-001	1
3	Panel-Burner Housing, Side Left	9454-862-001	1
4	Panel-Burner Housing, Back	9454-864-001	1
5	Baffle-Burner Housing, Center	9049-098-001	1
6	Panel-Burner Housing, Top	9454-977-001	1
7	Panel-Burner Housing, Top	9074-343-001	1
8	Baffle-Burner Housing, Extension	9049-118-001	1
9	Duct Adaptor, 6"x1.25" long	9109-120-002	1
11	Side-Extension Baffle, Burner Housing	9551-069-001	2
12	Bracket-Support, Burner	9029-213-001	1
13	Burner, Main	9048-021-001	4
14	Screw, 10T-32x1/2	9545-008-008	4
15	Electrode-Ignition	9875-002-003	1
16	Cover-Burner, Intet	9074-344-001	1
17	Bracket-Support, Gas Valve	9029-234-001	1
18	Control Assy,Gas Valve, White Rodgers 36J	9857-193-001	1
19	Bracket-support, Gas Valve Left hand	9029-235-001	4
21	Manifold Assy	9381-014-001	1
22	Orifice-Natural, #29	9425-069-021	3
*	Orifice-LP, #46	9425-069-022	3
*	Kit, LP Conversion, White Rodgers	9732-102-023	1
23	Thermostat-HI-Limit	9576-203-002	1
24	Spacer-1/4x5/8 long	9538-166-009	2
25	Screw-8Bx1	9545-045-013	2
26	Screw, 10Bx1/4	9545-008-001	22
27	Screw, 10ABx3/8	9545-008-024	25
28	Sensor-temp(thermistr),10k,wht	9501-004-004	1
29	Bracket-mtg,ohpsensor	9029-315-001	1
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	3
*	Screw-rdhdcr,8bx1/4	9545-045-005	1
*	Nut-wireconn,#71b,blk	8640-276-005	2

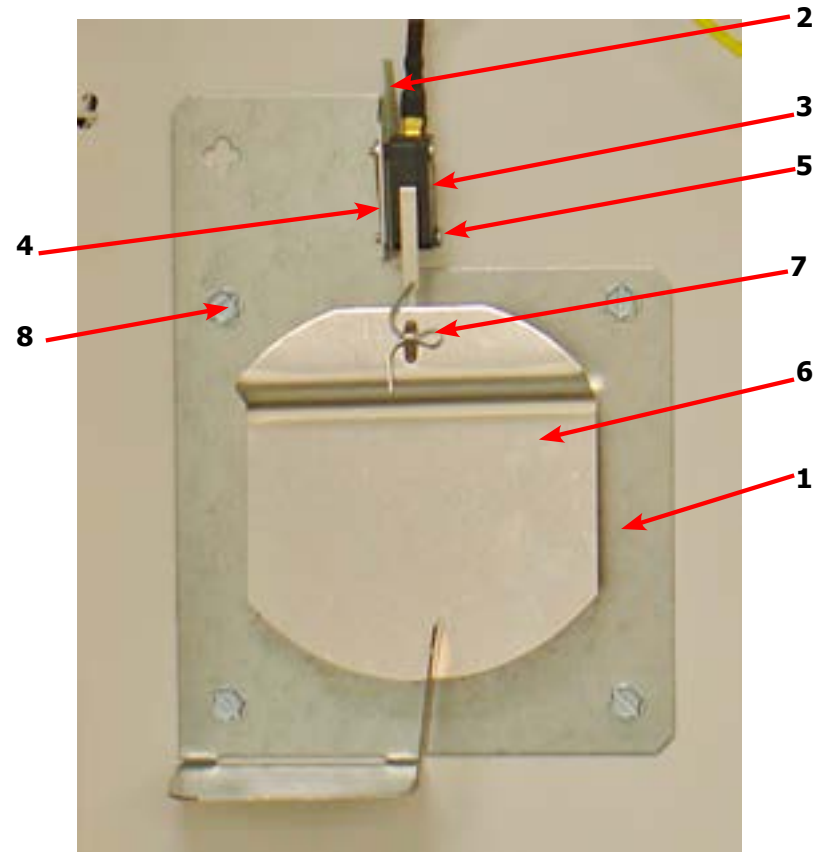


Electrical Box / Ignition Control

Key	Description	T-30	T-50	T-80	QTY
*	Control assembly opl	9857-240-001	9857-240-001	9857-240-003	
1	Wrapper-control box,	9636-203-001	9636-203-001	9636-203-001	1
2	Terminal blockasy-power,4pole	9897-035-001	9897-035-001	9897-035-001	1
*	Strip-marker,terminal	9558-029-003	9558-029-003	9558-029-003	1
*	Screw-hxwshrhdndct,#10bx1/2	9545-008-026	9545-008-026	9545-008-026	2
3	Transformer-control,w/circuit	8711-007-002	8711-007-002	8711-007-002	1
4	Relay-motor,30amp,24vac	5192-299-002	5192-299-002	5192-299-002	1
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	9545-008-024	9545-008-024	4
5	Relay	5192-285-004	5192-285-004	5192-285-004	1
*	Screw-hxwshdsl,6bx3/8	9545-031-003	9545-031-003	9545-031-003	2
6	Standoff-wiresaddlew/arrowhead	9527-007-001	9527-007-001	9527-007-001	9
7	Controls assy-ignition	9857-182-001	9857-182-001	9857-182-001	1
*	Screw-hxwshrhdsl,8bx3/4	9545-045-007	9545-045-007	9545-045-007	2
8	Terminal block assembly-power	9897-039-001	9897-039-001	9897-039-001	1
	Screw-hxwshdsl,6bx3/8	9545-031-003	9545-031-003	9545-031-003	1
9	Terminal block assembly-power	9897-026-002	9897-026-002	9897-026-002	1
*	Screw-panhdcr,#8abx1/2	9545-045-012	9545-045-012	9545-045-012	2
10	Terminal blockasy-injector,7pos	9897-032-002	9897-032-002	9897-032-002	1
*	Screw-pnhdcr,6bx3/4	9545-031-010	9545-031-010	9545-031-010	2
11	Elecperiph-power supply,12v	9150-054-001	9150-054-001	9150-054-001	1
*	Screw-pnhdcr,6bx3/4	9545-031-010	9545-031-010	9545-031-010	2
12	Elecperiph-power supply,24vdc	9150-057-001	9150-057-001	9150-057-001	1
*	Screw-pnhdcrsems,#4-40x3/16	9545-020-009	9545-020-009	9545-020-009	2
*	Wireasy-jumper,blk/brn,15"	8220-113-006	8220-113-006	8220-113-006	1
*	Wireasy-jumper,blk/org,15"	8220-113-007	8220-113-007	8220-113-007	1
*	Wireasy-jumper,blk/brn,9-17	8220-147-003	8220-147-003	8220-147-003	1
*	Wireasy-jumper,blk/org,9-17	8220-147-004	8220-147-004	8220-147-004	1
*	Wireasy-blk/brn,15"	8220-146-011	8220-146-011	8220-146-011	1
*	Wireasy-blk/org,15"	8220-146-012	8220-146-012	8220-146-012	1
*	Wireasy-wht/org,14"	8220-063-046	8220-063-046	8220-063-046	1
*	Wireasy-wht/org,14"	8220-062-054	8220-062-054	8220-062-054	1
*	Wireasy-blk,17"	8220-078-027	8220-078-027	8220-078-027	2
13	Wiring harness-ignition control	9627-867-014	9627-867-014	9627-867-014	1
14	Wireasy-grn/yel,7"	8220-137-002	8220-137-002	8220-137-002	1
*	Screw-hxwshrhdsl,10-32tx1/2grn	9545-008-027	9545-008-027	9545-008-027	1
*	Lock washer-exttooth,#10	8641-582-006	8641-582-006	8641-582-006	1
15	Wireasy-high voltage,#7,29 1/4"	9631-403-009	9631-403-009	9631-403-009	1
16	Bracket-control box,	9029-294-001	9029-294-001		2
*	Bracket-control			9029-254-001	2
*	Screw-hxwshrundrcuthd,10abx3/8	9545-008-024	9545-008-024	9545-008-024	6
17	Wire Bushing	9053-067-002	9053-067-002	9053-067-002	6

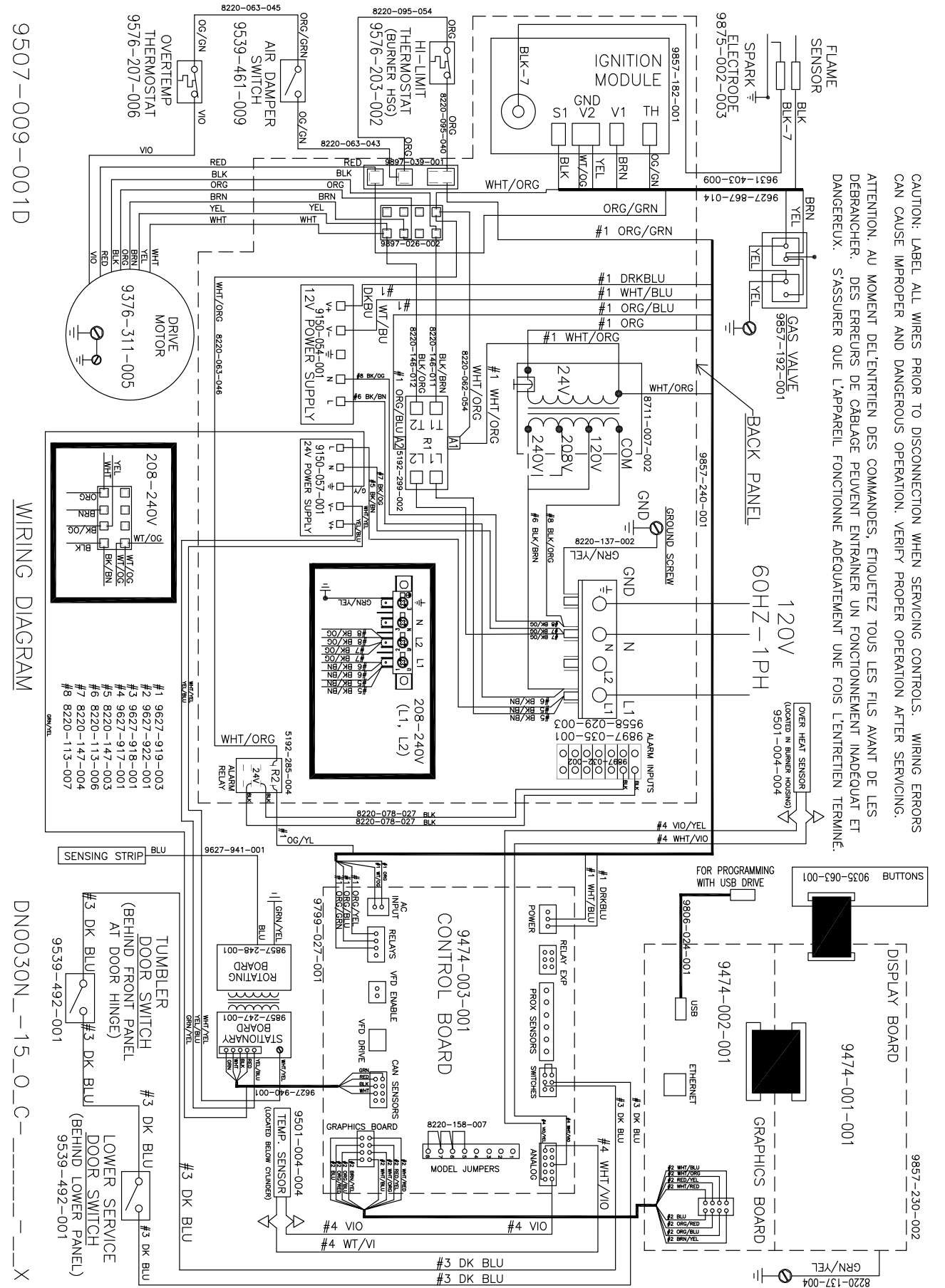
Electrical Box / Ignition Control





Key	Description	T-30	T-50	T-80	QTY
*	Air Flow switch Assy	9801-095-001	9801-098-002	9801-098-002	1
1	Bracket-Airflow switch	9029-174-001	9029-200-002	9029-200-002	1
2	Shield-Switch	9550-169-003	9550-169-003	9550-169-003	1
3	Switch-Micro	9539-461-009	9539-461-009	9539-461-009	1
4	Nut-Twin, 4-40	8640-401-001	8640-401-001	8640-401-001	1
5	Screw-.625, 4-40	9545-020-001	9545-020-001	9545-020-001	2
6	Actuator-Air Flow Switch	9008-007-001	9008-007-001	9008-007-001	1
7	Pin-Cotter, .09375x.75	9451-169-002	9451-169-002	9451-169-002	1
8	Screw, 10Bx1/4	9545-008-001			3
8	Screw, 10Bx1/4		9545-008-001	9545-008-001	5

Wiring Diagram T-30 Dryer -15

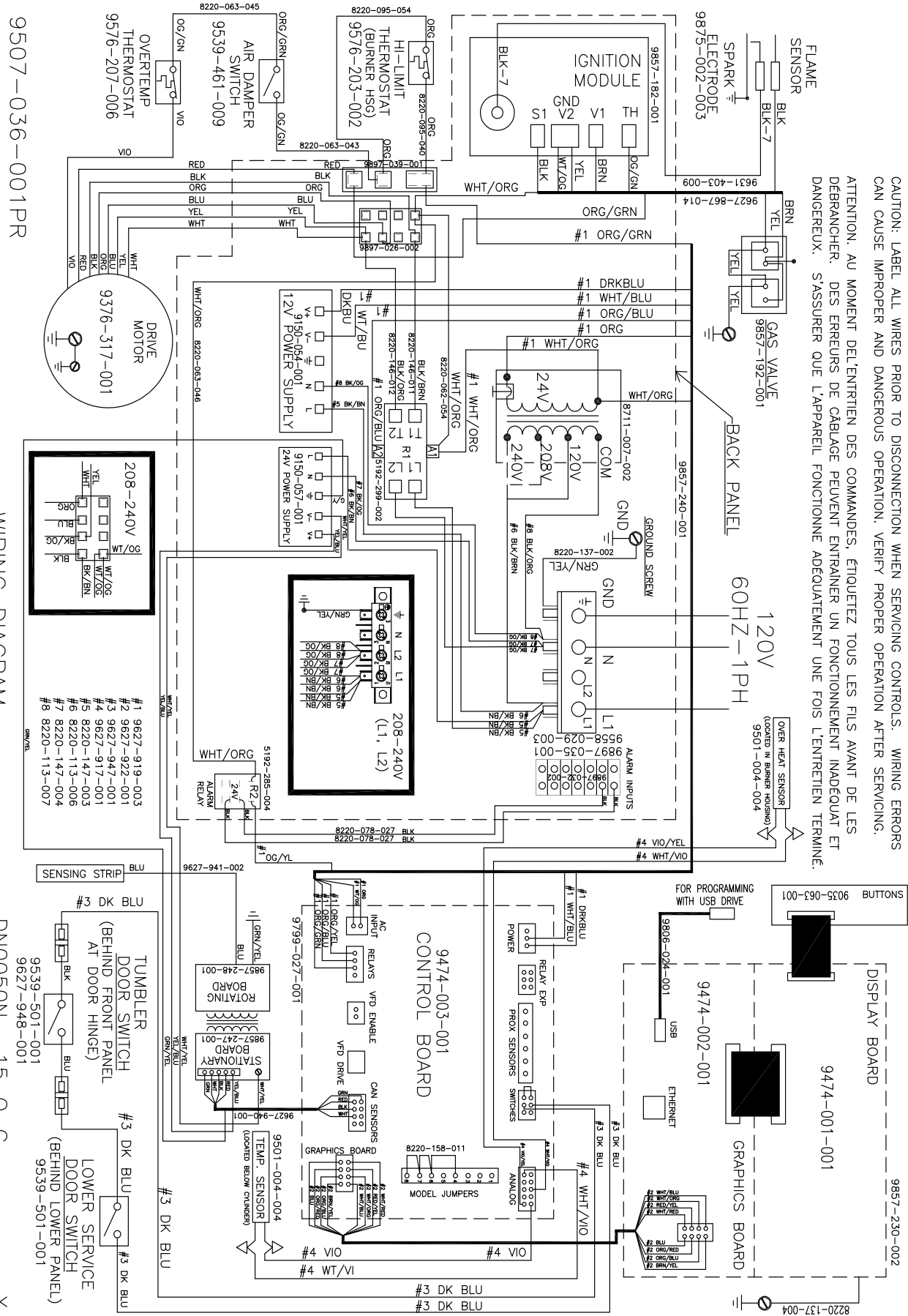


CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.
 ATTENTION: AU MOMENT DE L'ENTRETIEN DES COMMANDES, ÉTIQUETEZ TOUS LES FILS AVANT DE LES DÉBRANCHER. DES ERREURS DE CÂBLAGE PEUVENT ENTRAÎNER UN FONCTIONNEMENT INADÉQUAT ET DANGEREUX. S'ASSURER QUE L'APPAREIL FONCTIONNE ADEQUATEMENT UNE FOIS L'ENTRETIEN TERMINE.

WIRING DIAGRAM

9507-009-001D
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Wiring Diagram T-50 Dryer -15



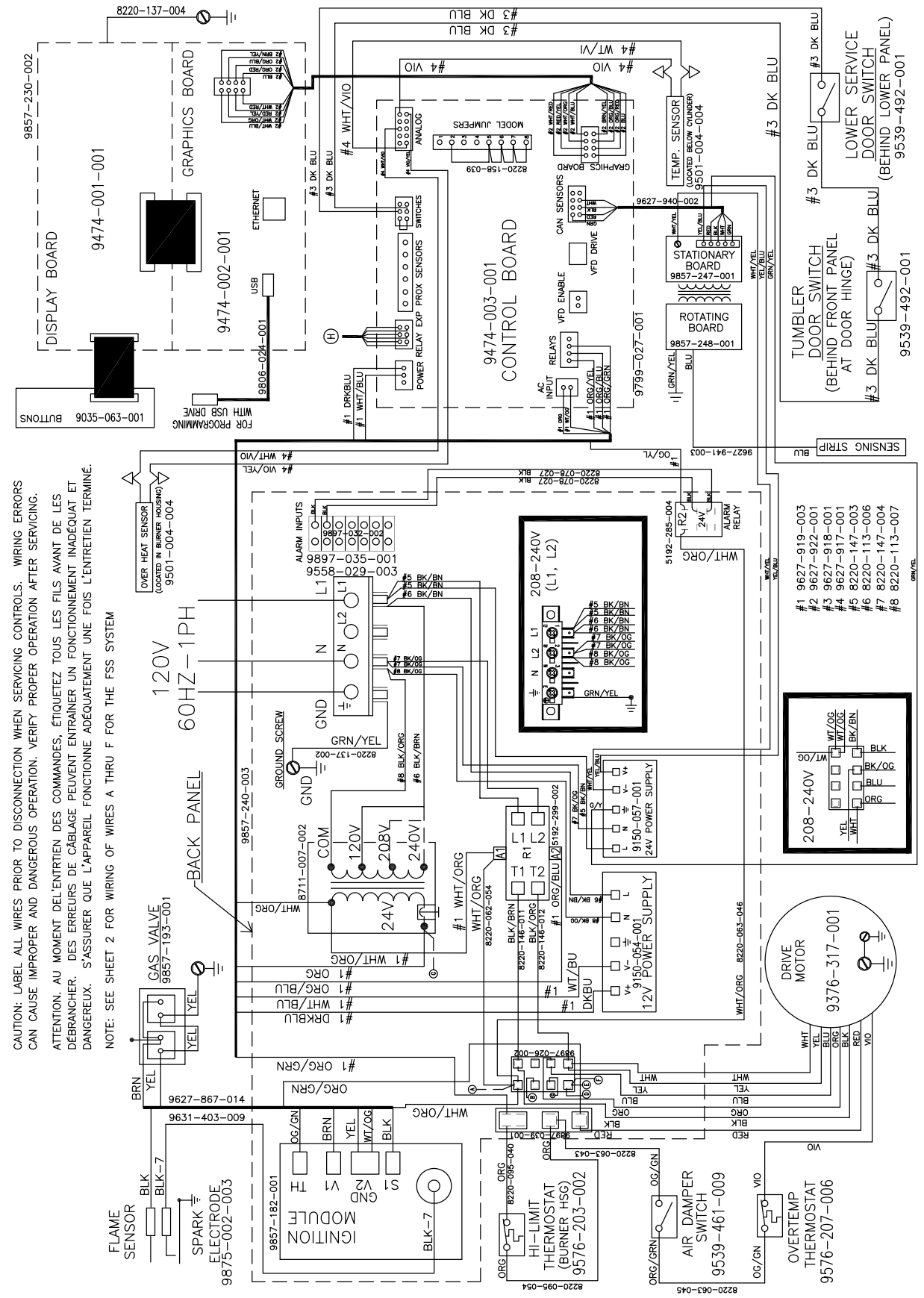
CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.

ATTENTION: AU MOMENT DE L'ENTRIEN DES COMMANDES, ÉTIQUETEZ TOUTS LES FILS AVANT DE LES DÉBRANCHER. DES ERREURS DE CÂBLAGE PEUVENT ENTRAINER UN FONCTIONNEMENT INADÉQUAT ET DANGEREUX. S'ASSURER QUE L'APPAREIL FONCTIONNE ADEQUATEMENT UNE FOIS L'ENTRIEN TERMINÉ.

WIRING DIAGRAM

DN0050N_15_0_C_

Wiring Diagram T-80 Dryer -15



CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.

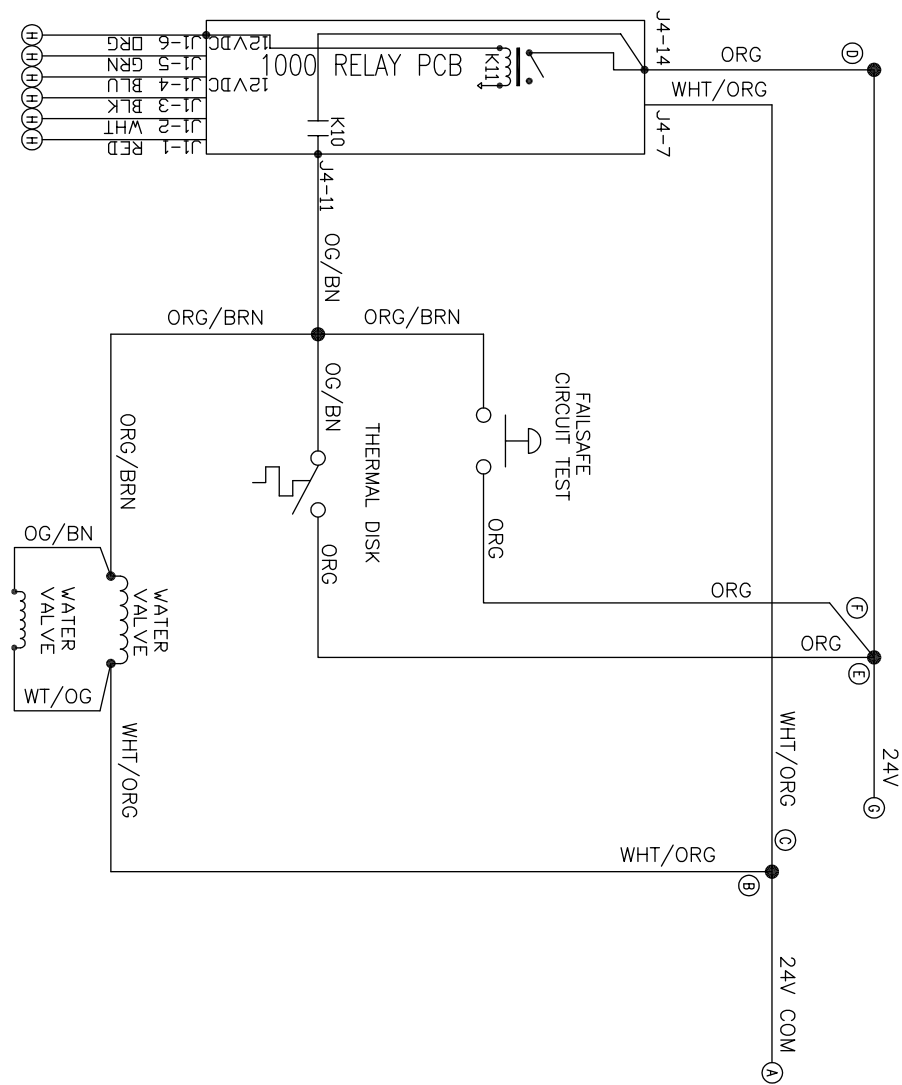
ATTENTION: AU MOMENT DE L'ENTRIEN DES COMMANDES, ÉTIQUETEZ TOUTS LES FILS AVANT DE LES DÉBRANCHER. DES ERREURS DE CÂBLAGE PEUVENT ENTRAINER UN FONCTIONNEMENT INADÉQUAT ET DANGEREUX. S'ASSURER QUE L'APPAREIL FONCTIONNE ADEQUATEMENT UNE FOIS L'ENTRIEN TERMINÉ.

NOTE: SEE SHEET 2 FOR WIRING OF WIRES A THRU F FOR THE FSS SYSTEM

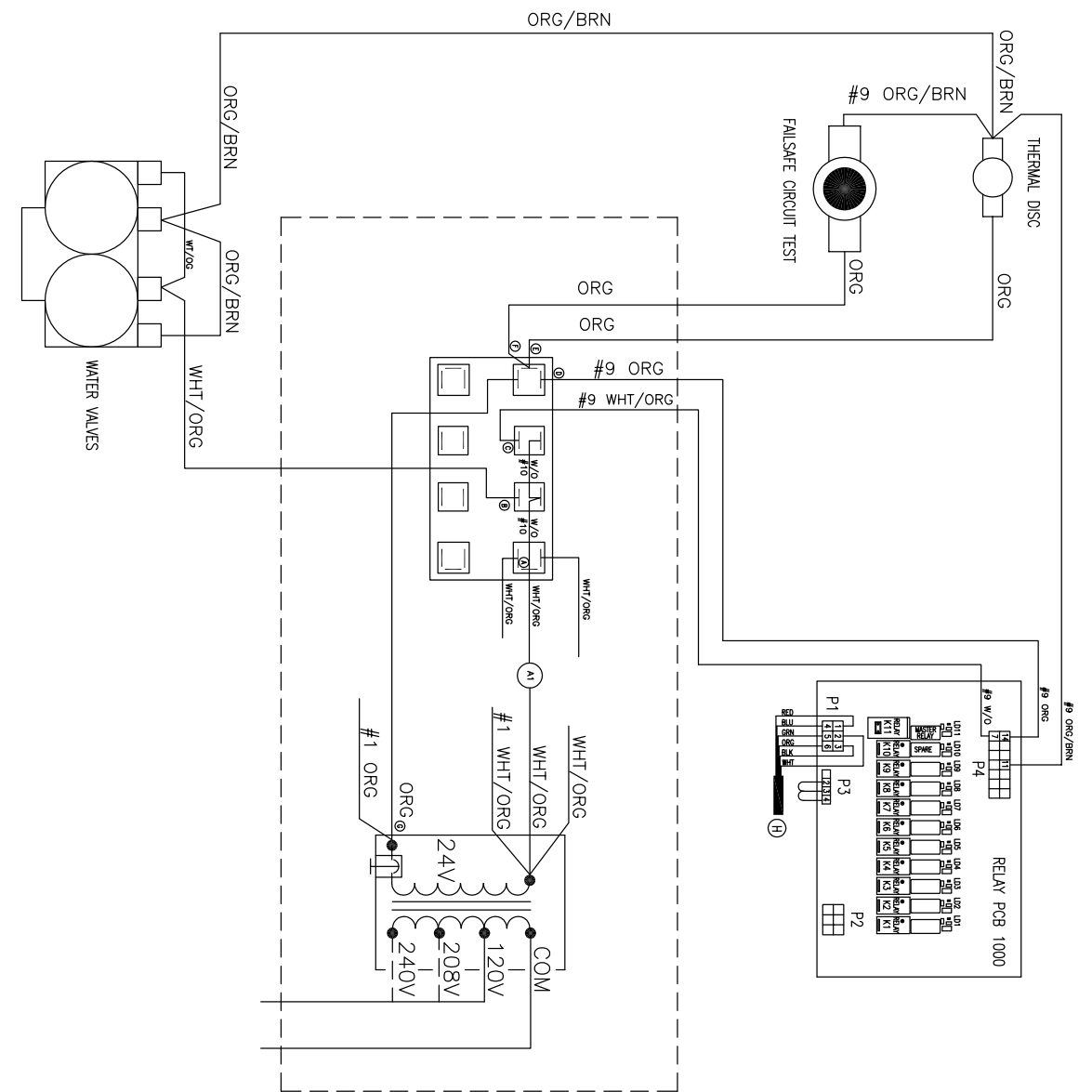
WIRING DIAGRAM

9507-041-001PR

Optional Water Schematic



Optional Water Wiring Diagram



Notes

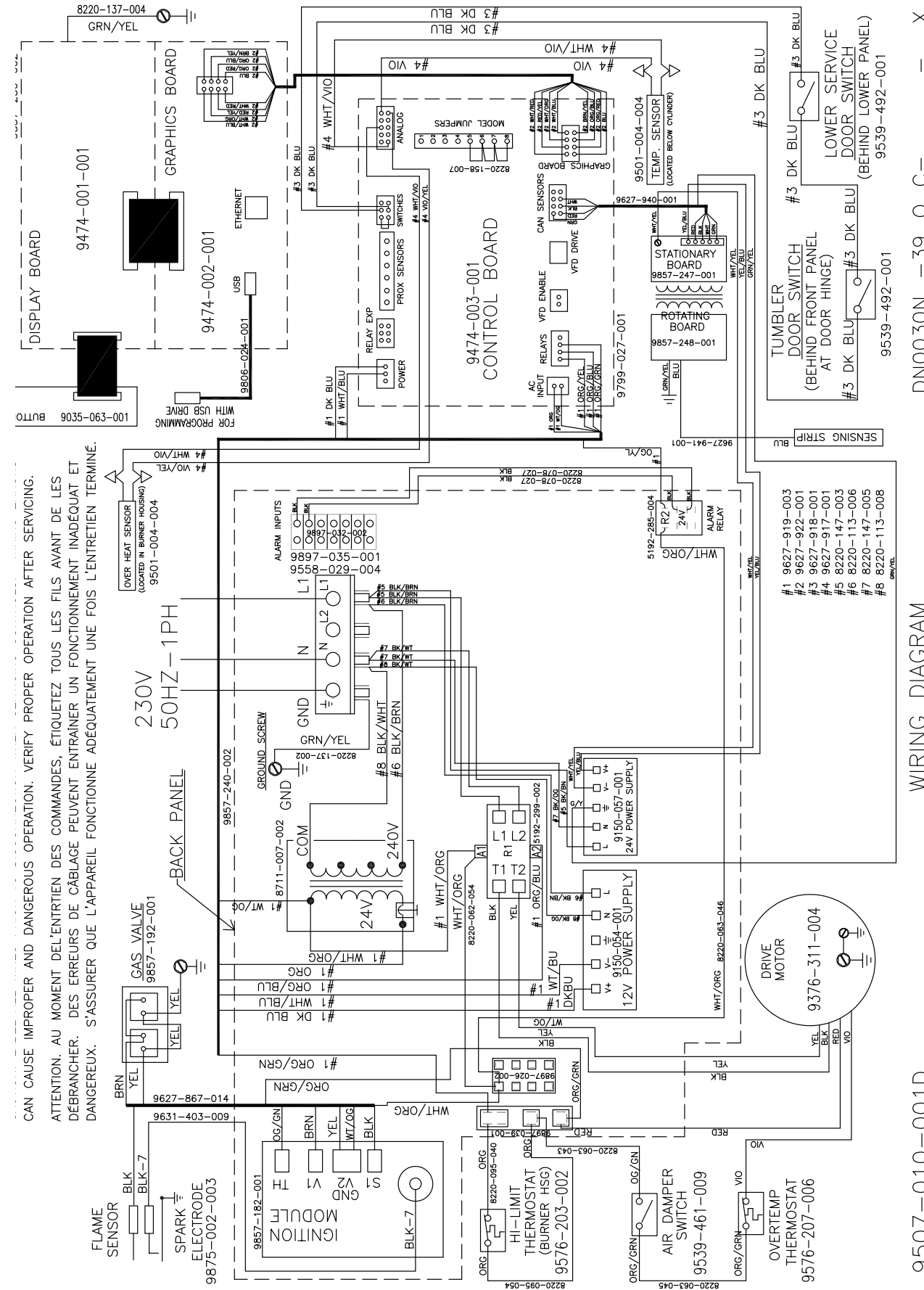
Lined area for notes.

**Section 7:
50Hz
Dryer Parts
Data**

DN0030ND-39EO Addtional Parts

Key	Description	T-30	QTY
*	INFORMATIVE-MOUNTINGLOCATIONS	6102-034-001	1
*	WIREASY-JUMPER,BLK/WHT,15"	8220-113-008	1
*	WIREASY-JUMPER,BLK/WHT,9-17	8220-147-005	1
*	LABEL-AUSSIEWARNING	8502-698-001	1
*	LABEL-AUSTGASAPPROVALBADGE	8502-699-001	1
*	LABEL-WARNING,NATURALGAS	8502-770-001	1
*	INSTRUCT-AUSADDENDUM,CONTACT	8507-440-001	1
*	MOTOR-DRY,30#(MARA),50HZ,LEADS	9376-311-004	1
*	ORIFICE-MAINBURNER,#32	9425-069-009	2
*	OVERLAY-TRIM,LWDR,30#BLK,ENG	9435-016-004	1
*	PULLEY-DRIVE,MACHINED	9453-169-009	1
*	WIRINGLABEL-DIAGRAM/INFORM	9507-010-001	1
*	WIRINGLABEL-SCHEMATIC	9508-010-001	1
*	STRIP-MARKER,TERMINAL	9558-029-004	1
*	HOUSINGASSY-BURNER,30#(50HZ)	9803-210-002	1
*	CONTRLASY-OPL,T-30/50NONREV-39	9857-240-002	1

Wiring Diagram for 50hz T-30 Dryer -39



Section 8:

Maintenance

Schedule

Preventative Maintenance

Daily

- Step 1:** Clean the lint screen free of lint and other debris. Use a soft brush and Hot water if necessary.
- Step 2:** Check the lint screen for tears. Replace if necessary.
- Step 3:** Clean lint from the lint screen compartment.
- Step 4:** Inspect felt seal on lint screen assembly, replace if needed.

Monthly

- Step 1:** Remove lint accumulation from the end bells of the motor.
- Step 2:** Remove lint accumulation from front control area.
- Step 3:** Remove lint and dirt accumulation from the top of the dryer and all areas above, below, and around the burners and burner housing. Failure to keep this portion of the dryer clean can lead to a build-up of lint creating a fire hazard.
- Step 4:** Remove and clean coin acceptors. (Vended Models Only)

Quarterly

- Step 1:** Check the belts for looseness, wear, or fraying.
- Step 2:** Inspect the gasket of the door glass for excessive wear.
- Step 3:** Check tightness of all fasteners holding parts to support channel.
- Step 4:** Check tightness of all set screws.
- Step 5:** Remove the air flow switch assembly and check the tumbler thru-bolts for tightness.
- Step 6:** Apply a few drops of oil to pivot pins and the tension arms where in contact with each other.

Semi-Annually

- Step 1:** Remove and clean the main burners.
- Step 2:** Remove all orifices and examine for dirt and hole obstruction.
- Step 3:** Remove all lint accumulation. Remove the front panel and the lint screen housing and remove lint accumulation.

Annually

- Step 1:** Check the intermediate pulley bearings for wear.
- Step 2:** Check and remove any lint accumulation from the exhaust system including recirculation chambers if applicable.
- Step 3:** Grease the bearings and the shaft of the intermediate pulley. Use an Alemite grease gun and Molykote BR2-S grease. (Where applicable)