



Filtec 3-G and Filtec 3-XR Parts Catalog

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Industrial Dynamics Company, Ltd.

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Preface

Introduction

This documentation provides operators, technicians, and service personnel with complete information about the Filtec 3-G and Filtec 3-XR, system. Other documents that you can consult include:

- [Filtec 3-G and Filtec 3-XR Drawing Pack](#) contains system drawings and schematics that you might need to install Filtec 3-G and Filtec 3-XR and complete procedures that are related to the Filtec 3-G and the Filtec 3-XR.
- [Filtec 3-G Operation Guide](#) describes how to use and maintain the Filtec 3-G.
- [Filtec 3-XR Operation Guide](#) describes how to use and maintain the Filtec 3-XR.
- [Filtec 3-G Service and Installation Guide](#) describes how to install, service, and maintain the Filtec 3-G and associated equipment and how to use the Filtec 3-G software.
- [Filtec 3-XR Service and Installation Guide](#) describes how to how to install, service, and maintain the Filtec 3-XR and associated equipment and how to use the 3-XR software.

Topics That This Guide Covers

Filtec 3-G and Filtec 3-XR Parts Catalog contains a pictorial parts catalog of spare and service parts that you might need to maintain and service your Filtec 3-G and Filtec 3-XR.

Audience of This Guide

This guide is intended for use by FILTEC customers who need to replace Filtec 3-G and Filtec 3-XR parts.

Conventions That Appear in This Guide

Use the following chart to learn about the typographic conventions that appear in this guide.

This typeface or symbol...	Indicates...	Example...
abcd1234	A link to another document or page in the current document, which, when you click on it, displays the other document or the other page.	Filtec 3-G and Filtec 3-XR Parts Catalog
 Important:	Important information that you might find helpful or useful and best practice suggestions.	 Important: Send oddly shaped (non-round) and plastic containers to FILTEC for testing and evaluation before you use them with the Filtec 3-G and Filtec 3-XR.
 Caution:	That there is a potential for damage to the equipment. Depending on the particular damage that can result, harm to a person can also occur.	 Caution: To ensure your complete safety, run all power cables through liquid tight conduit.
 Warning:	That there is a potential for harm to an individual. As harm can be mild or severe, strictly observe the information that is provided.	 Warning: Before you attempt to install Filtec 3-G and Filtec 3-XR, turn off power and disconnect <i>all</i> electrical power cables from the Filtec 3-G and Filtec 3-XR.
<i>abcd1234</i>	Emphasis, a definition of a new concept, or a variable for which you provide actual text.	Before you attempt to install Filtec 3-G and Filtec 3-XR, turn off power and disconnect <i>all</i> electrical power cables from the Filtec 3-G and Filtec 3-XR. A <i>text field</i> is a set of alphanumeric characters in a product code that do not change.
<code>abcd1234</code>	Text, including titles, menus, commands, and other information that you see or type on a screen.	+x or -x Press Key 4 until the Filtec 3-G and Filtec 3-XR product displays REJECTOR PULSE WIDTH on the screen.
abcd1234	A best practice to follow, a note, an example, a range of values that you can type in a field on a screen, and a document to which to refer.	Best Practice: Note: Example: Range: See Also:
<code>abcd1234</code>	A file name or directory path.	The system encrypts and internally stores the encrypted password that you provide in the configuration file <code>file.cfg</code> .



1. Ordering Filtec 3-G and 3-XR Parts

This chapter tells you how to place orders to obtain new parts, describes types of spare parts kits, lists recommended spare parts, and shows you parts that you can order.

1.1 Placing an Order for Parts

1.1.1 Telephone Number to Call to Order Parts

The telephone number that you call to order parts for your Filtec 3-G or Filtec 3-XR depends on the location from which call. Use the chart below to determine the telephone number to call.

If you live...	Then call...
Outside of North America	1310.325.5633
In North America	1.888.4 34.5832 toll free



Important: You can also send a fax to 1310.530.1000 to place your order.

1.1.2 Information That You Need Before You Place Your Order

Use this table to determine and record the information that you need to gather before you place your order.

Serial number of your Filtec 3-G or Filtec 3-XR		
The part number of the part that you want is...	The description of the part is...	The quantity that you want is...
1.		
2.		
3.		
4.		
5.		
6.		

1.2 Illustrated Parts Catalog

1.2.1 Diagram

Use the following illustrated parts catalog to identify the parts that you want to order.



Note: An asterisk (*) indicates that the part is a critical spare, which means that you require the part to operate your Filtec 3-G or 3-XR.

Quantity	Part No.	Description
1	19146	Infrared receiver assembly, down can amplifier
1	19410	Photoelectric amplifier sensor assembly, down can and cross-beam body label amplifier
1	20121-2	Sensor mounting bracket adjustment knob
1	20360-1	Auto shutter, rod, solenoid, 120 VAC, 50/60 Hz
1	20360-2	Auto shutter, rod, solenoid, 240 VAC, 50/60 Hz
1	20372*	Scintillation tube detector voltage divider for Filtec 3-G and Filtec 3-XR
1	20631	Infrared emitter assembly, down can amplifier
1	20876	Air purge system assembly kit
1	21856*	Optical photo sensor, for missing cap, without mounting hardware
1	22196*	Fiber optics amplifier for the trigger assembly
1	22197	Fiber optics sensor, extra long, assembly
1	22288	Fiber optics sensor assembly
1	22616-1	Locking handle assembly
1	23404	Fiber optic cable cutter, required to cut plastic fiber optic cable
1	23867	Locking handle assembly
1	23923	Inspection trigger, fiber optic (glass)
1	24596	Missing lid sensor, extended range
1	25077	Sensor assembly, cap through foil
1	26006	Sensor assembly, light on, standard hex label used on both hex and quad
1	26009	Sensor, light off, full wrap neck label

Quantity	Part No.	Description
1	<u>26012-x*</u>	Processor card (x represents an actual version, which you can find on your machine order)
1	<u>26529</u>	Sensor, cross beam body receiver
1	<u>26536</u>	Sensor, cross beam body emitter
1	<u>30054</u>	Low foam sensor emitter and receiver assembly
1	<u>31453</u>	Sensor assembly, optical, 18 millimeter (in-labeler)
1	<u>32083</u>	Fiber optic amplifier assembly, center line trigger (plastic)
1	<u>34078</u>	High flow air controller assembly
1	<u>34094</u>	Fiber optic amplifier assembly, green LED, upstream trigger
1	<u>34109</u>	Dud proximity sensor assembly
1	<u>48352</u>	Power transformer assembly
1	<u>35189-x</u>	Quick-connect encoder cable, whose length you specify
1	<u>35274</u>	Filter element for air filter regulator, part number 35270
6	<u>36302</u>	Sensor assembly, light off, hex label, metallic label
1	<u>36303</u>	Sensor assembly, light on, quad metallic label
1	<u>37016</u>	Inspection trigger, fiber optic (plastic)
1	<u>37251</u>	Reset switch kit
1	<u>37860</u>	Fiber optic sensor amplifier assembly
1	<u>38138*</u>	Scintillation tube detector voltage divider for Filtec 3-XR over/under fill feature
1	<u>38206</u>	X-ray VCO card for Filtec 3-XR over/under fill feature
1	<u>38312*</u>	Scintillation tube detector for Filtec 3-XR over/under fill feature
1	<u>38323</u>	Silicone gasket, 3/16 T by 5/8 W Note: Order nine feet.
1	<u>40727*</u>	Power supply assembly for Filtec 3-G and Filtec 3-XR
1	<u>42398-1</u> <u>42398-2*</u>	Assembly, source, X-ray, 24 VDC for Filtec 3-G and 3-XR
1	<u>45801</u>	Vent tube sensor assembly
1	<u>46191</u>	Fixed panel touchpad (cans)
1	<u>46192</u>	Fixed panel touchpad (bottles)
7	<u>47099</u>	40 micron air filter repair kit
1	<u>47297-2</u>	Missing lid sensor, non-ferrous
1	<u>47775-x</u>	Timing belt
	<u>47775-1</u>	Extra long tunnel

Quantity	Part No.	Description
	47775-2	Long tunnel
	47775-3	Standard tunnel
1	47800	Sprocket gear belt, SPT and Filtec 3
1	47803	Three way air valve
1	48884	General licensee instructions plate
1	48889	Name plate, caution, X-rays
1	48890	Radioactive material plate
1	49358	Terminal card with back light assembly
1	90796 *	Scintillation tube detector for Filtec 3-G
1	91098 *	Missing cap, proximity, standard ferrous, cap detector
1	91697	Green plastic lens
1	92173	Fiber optic lens
1	92305	LED cluster, bayonet mount, green, 12 VDC
1	92356	Relay, AC output (PLC)
1	92367	Relay, DC output (PLC)
1	92394 *	Circuit breaker
2	92400-3	3-amp microfuse (F1 and spare)
1	92432	Bifurcated, fiber optic sensor
1	92611	Relay, reed (PLC)
1	92693	Lock out handle
1	92886	Barrier, intrinsically safe amplifier
1	92949	Splash proof boot
1	93493 *	500 pulse high resolution encoder (if your system is equipped with this part)
1	93920	X-ray interlock switch
1	94651	Fiber optic cable
1	95224	5000 pulse high resolution encoder (if your system is equipped with this part)
* Indicates that the part is a critical spare		



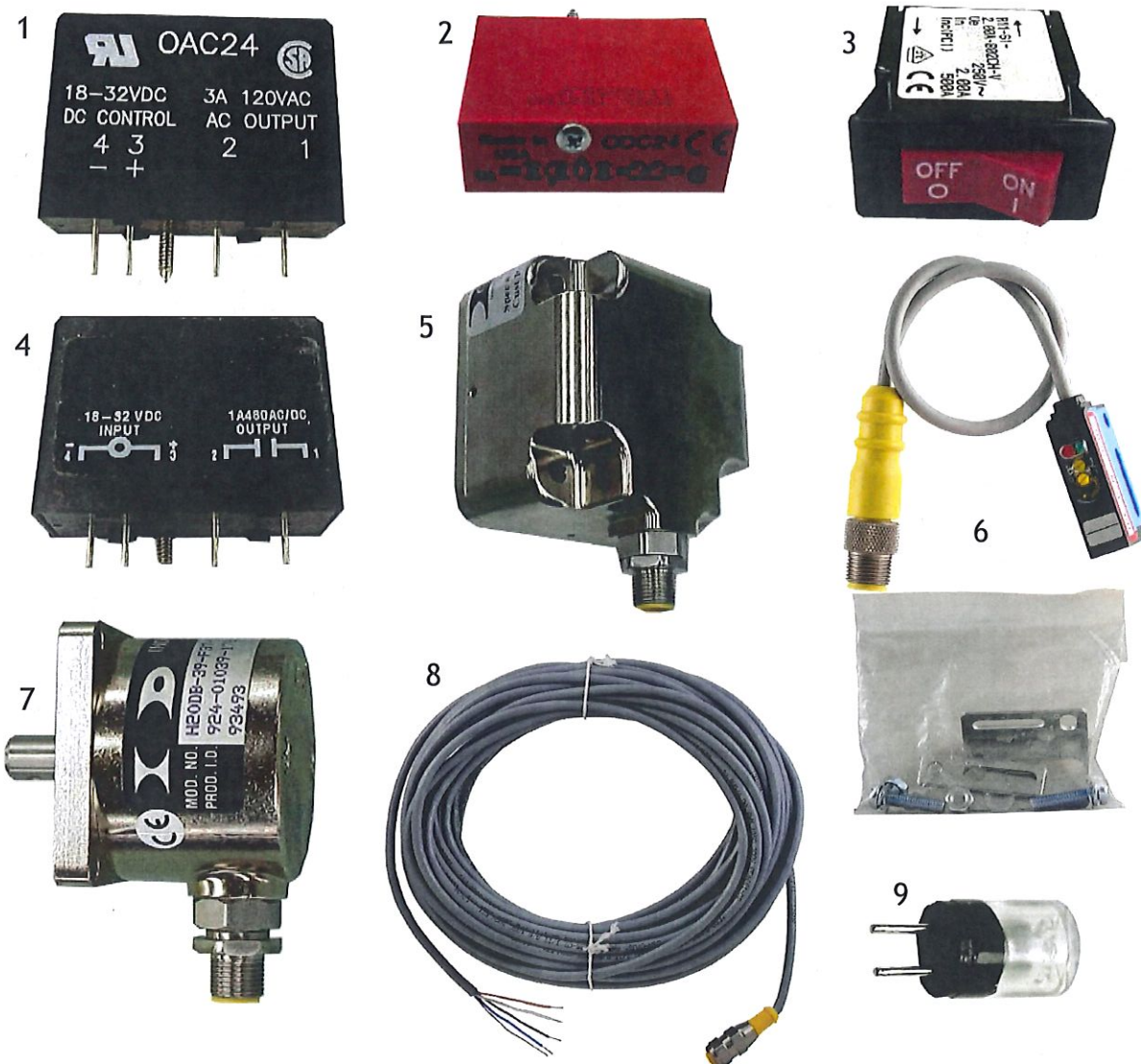
Item	Part No.	Description
1	20372	Scintillation tube detector voltage divider for Filtec 3-G and Filtec 3-XR
	38138	Scintillation tube detector voltage divider for Filtec 3-XR over/under fill feature
2	40727	Power supply assembly for Filtec 3-G and Filtec 3-XR
3	38206	X-ray VCO card for Filtec 3-XR over/under fill feature
4	42398-1 42398-2	X-ray generator and generator power supply card assembly for Filtec 3-XR (42398-1) and Filtec 3-XR that includes the over and under fill feature (42398-2)
5	26012-x	Processor card (x represents an actual version, which you can find on the board)
6	48352	Power transformer assembly



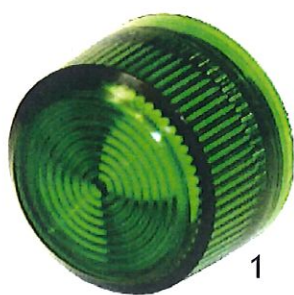
Item	Part No.	Description
1	20121-2	Sensor mounting bracket adjustment knob
2	47297-2	Missing cap, non-ferrous aluminum, cap detector includes hex nuts
3	21856	Optical photo sensor, for missing cap, without mounting hardware
4	24596	Extended range ring, steel, aluminum cap detector with hex nuts
5	37016	Inspection trigger sensor, plastic fiber optic
6	23923	Inspection trigger, glass fiber optic
7	32083	Fiber optic amplifier assembly, center line trigger (plastic)
8	91098	Missing cap, proximity, standard ferrous, cap detector
9	92432	Bifurcated, fiber optic sensor
10	25077	Sensor assembly, cap through foil



Item	Part No.	Description
1	22196	Fiber optic amplifier for upstream trigger and smashed bottle
2	22197	Fiber optic cable, plastic, assembly, extra long (39 inches)
2	22288	Fiber optic cable, plastic, assembly (25 inches)
3	23404	Fiber optic cable cutter, required to cut plastic fiber optic cable
4	23867	Locking handle assembly
5	92173	Fiber optic glass focusing lens for 22197 and 22288 only
6	37860	Fiber optic sensor amplifier assembly
7	94651	Fiber optic cable
8	90796	Scintillation tube detector for Filtec 3-G and 3-XR
9	38312	Scintillation tube detector for Filtec 3-XR over/under fill feature



Item	Part No.	Description
1	92356	Relay, AC output (PLC)
2	92367	Relay, DC output (PLC)
3	92394	Circuit breaker
4	92611	Relay, reed (PLC)
5	95224	5000 pulse high resolution encoder assembly with quick connect cable
6	36302	Sensor assembly, light off, hex label, metallic label
7	93493	500 pulse high resolution encoder assembly with quick connect cable
8	35189-x	Quick-connect cables for high resolution encoders (x represents length):
	35189-1	6 feet 7 inches
	35189-2	13 feet 3 inches
	35189-3	30 feet
	35189-4	50 feet
	35189-5	100 feet
9	92400-3	3-Amp microfuse (F1 and spare)



2



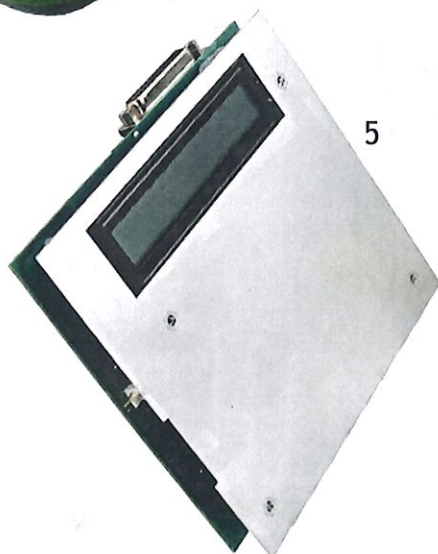
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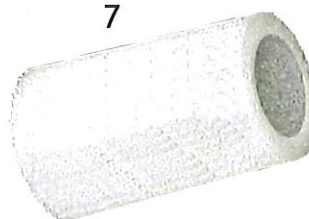
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7



Item	Part No.	Description
1	91697	Green plastic lens
2	92305	LED cluster, bayonet mount, green, 12 VDC
3	46192	Fixed panel touchpad (bottles)
4	46191	Fixed panel touchpad (cans)
5	49358	Terminal card with back light assembly
6	31453	Sensor assembly, optical, 18 millimeter (in-labeler)
7	35274	Filter element for air filter regulator, part number 35270



NOTICE

"The receipt, possession, use and transfer of the service are subject to a general license or equivalent and the regulations of the U.S. NRC or of a State with which the NRC has entered into an agreement for the exercise of regulatory authority."

"Operation of this device shall be immediately suspended until necessary repairs have been made if there is any indication of possible failure or damage to the shielding or containment of radioactive material, or the on-off mechanism and indicator."

"This device shall be tested for proper operation of the on-off mechanism or indicator at intervals not to exceed three years."

"The sealed radioactive source contained in this device shall be tested at installation and every three years thereafter, for leakage of radioactive material."

"Maintenance, tests or other service involving the radioactive material, its shielding and containment, shall be performed by persons holding a specific radioactive material license to provide these services."

"Installation, relocation, maintenance, repair, and initial radiation survey of this device, and leak testing, replacement, installation and disposal of sealed sources containing radioactive material used in this device, shall be performed only by persons holding a specific radioactive material license to provide these services."

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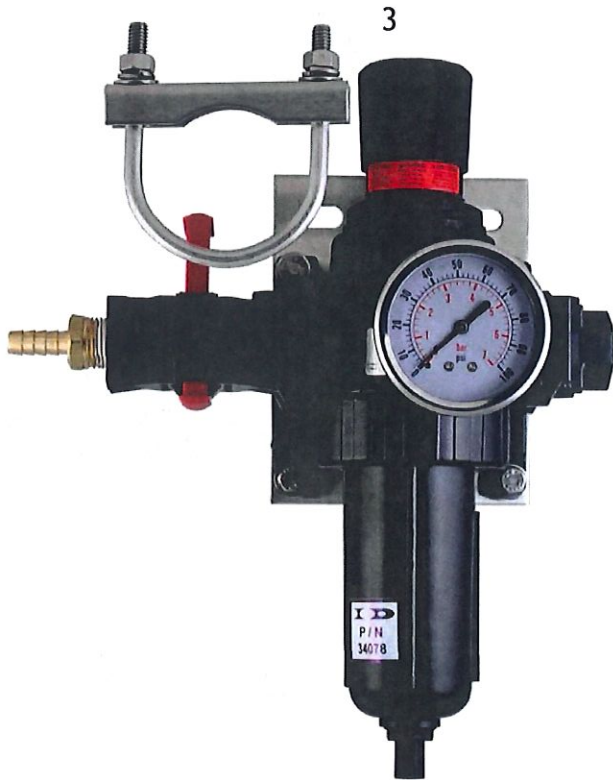
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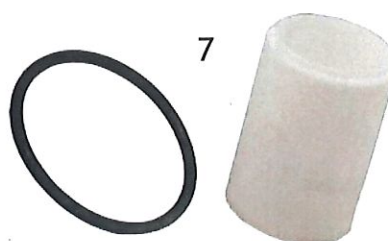
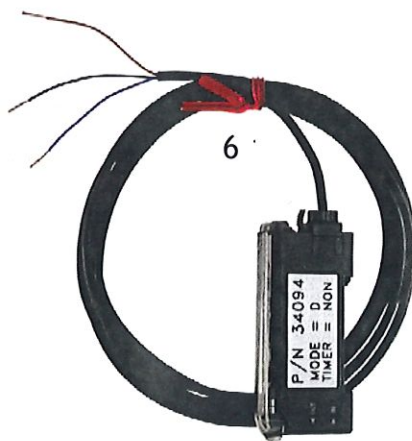
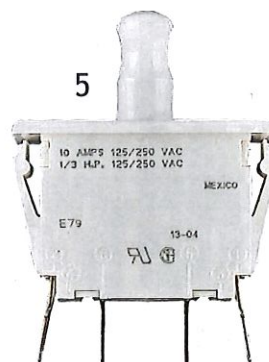
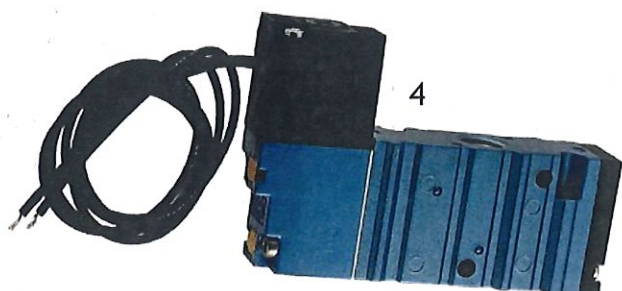
Item	Part No.	Description
1	20876	Air purge system assembly kit
2	48884	General licensee instructions plate
3	48890	Radioactive material plate
4	48889	Name plate, caution, X-rays



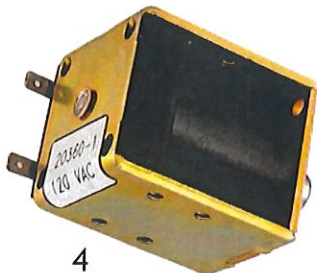
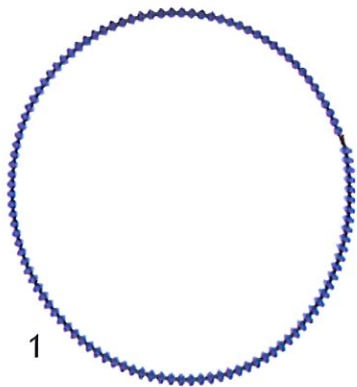
Item	Part No.	Description
1	33383	Dud proximity sensor assembly, 30 millimeter
2	19410	Photoelectric amplifier sensor assembly, down can
3	34109	Dud proximity sensor assembly, 18 millimeter
4	20631	Infrared emitter assembly
5	19146	Infrared receiver assembly
6	30054	Low foam sensor emitter and receiver assembly



Item	Part No.	Description
1	37251	Reset switch kit
2	92949	Splash proof boot
3	34078	High flow air controller assembly
4	26006	Sensor assembly, light on, standard hex label used on both hex and quad
5	36303	Sensor assembly, light on, quad metallic label

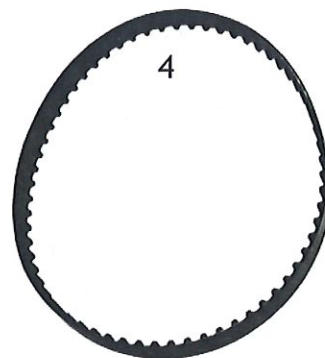
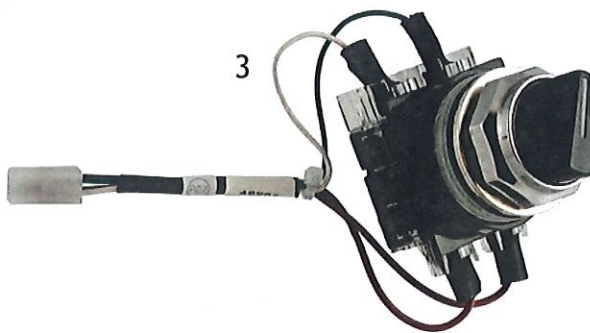
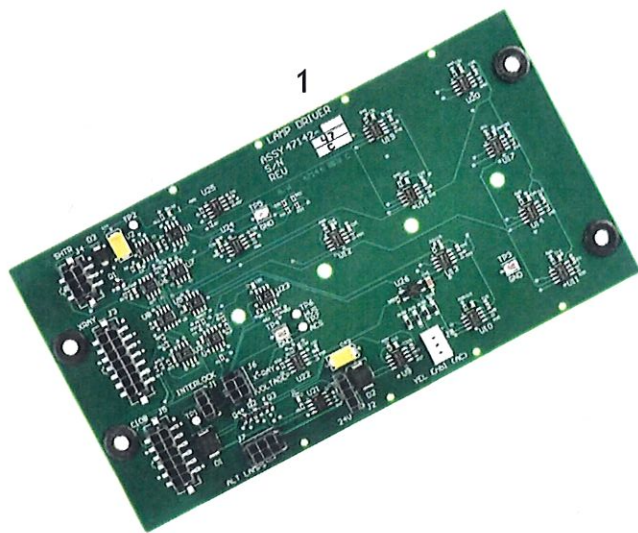


Item	Part No.	Description
1	26009	Sensor, light off, full wrap neck label
2	26529	Sensor, cross beam body receiver
3	26536	Sensor, cross beam body emitter
4	47803	Three way air valve
5	93920	X-ray interlock switch
6	34094	Fiber optic amplifier assembly, green LED, upstream trigger
7	47099	40 micron air filter repair kit



Item	Part No.	Description
1	47800	Sprocket gear belt, SPT and Filtec 3
2	92886	Barrier, intrinsically safe amplifier
3	92693	Lock out handle
4	20360-1	Auto shutter, rod, solenoid, 120 VAC, 50/60 Hz
5	20360-2	Auto shutter, rod, solenoid, 240 VAC, 50/60 Hz
6	22616-1	Locking handle assembly
7	45801	Vent tube sensor assembly
8	38323	Silicone gasket, 3/16 T by 5/8 W

Note: Order nine feet.



Item	Part No.	Description
1	47142	Lamp driver circuit board assembly
2	48943	Light lens, clear
3	48957	X-ray switch assembly
4	47775-x	Timing belt
	47775-1	Extra long tunnel
	47775-2	Long tunnel
	47775-3	Standard tunnel

Documentation Feedback

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