

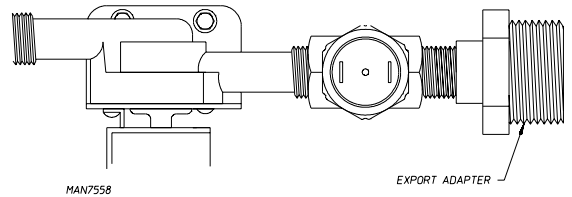
# Technical Bulletin

Number 189

May 22, 2008

## S.A.F.E. System / F.S.S. Export Water Connection Change

For export models manufactured with the optional Sensor Activated Fire Extinguishing (S.A.F.E.) system or Fire Suppression System (F.S.S.), the water connection has changed to a metric adapter for ease of installation. The connection is now a 3/4" BSPTM x 3/8" NPTF nylon adapter with metric threads (ADC P/N 143177).



The illustration above is an example of typical S.A.F.E. system / F.S.S. water connection.

## California Proposition 65 Warning

Every 60 Hz "gas" dryer shipped now has a label affixed to the dryer, which for the state of California explains the Proposition 65 WARNING.

If the dryer is installed in California, this label/information must be posed in a prominent area.

**⚠ WARNING**

**Proposition 65**

Use of this product could expose you to substances from fuel combustion that contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

## Parts Price List

Our current parts price list (ADC P/N 451000) has an January 1, 2008 effective date, and is available to be downloaded for free from our website, [www.amdry.com](http://www.amdry.com). An updated price list will be issued in June. The parts price list is available on our CD (ADC P/N 882206). Printed copies of the current parts price list is available through normal parts channels at a net price of \$12.00 each.

**Now only updated twice a year  
June and December**

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## IMPORTANT

- \$ Prices are subject to change without notice. The prices on the invoice many not necessarily be the same as shown on the part price list.
- \$ Formal (written) quotes will be valid for thirty (30) days. When submitting parts orders in which a formal quote was issued, the quotation number must be provided at the time or the quote will not be valid.
- \$ Verbal quotes are not binding and will not be honored.



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# SL Line Steam / Electric Heating Control Circuit Changes

The SL line (and related models) heating control circuit for the steam and electric models has changed. Originally, no matter what the line voltage was, the steam valve or electric oven contactor were always 120v. In 208 volt or above applications, a step down transformer was used to bring the voltage down to 120v, this step down transformer has been eliminated and the SL steam valve or electric oven contactor coil voltage is now 208/240v.

Gas dryers continue to have a step down transformer. Model changes and dates as follows:

**Model: SL20 / SL2020 Electric Heat Only      Voltage: 60 Hz / 208-240v / 1 Phase      Change Date: January 29, 2008**

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
1 / Pkt	819676	Xmfr Mounting Bracket Assembly	1 / Pkt	819285	SL20 / SL2020 / SL2929 / SL31 / SL3131 PH8 Elec Hrn 240v
1 / Pkt	819788	SL20 Elec Oven w/120089 208v 1ph	1 / Pkt	819751	Elec Oven Assembly 200-240v / 50 Hz / 1ph
1 / Pkt	819568	Swd20, SL20 - SL3131 PH8 Elec Bmr Hrn 200			
1 / Pkt	131321	Oven Contactor 120v	1 / Pkt	131322	Oven Contactor 208/240v

**Model: SL20 / SL2020 Electric Heat Only      Voltage: 60 Hz / 208-240v / 3 Phase      Change Date: January 29, 2008**

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
1 / Pkt	819676	Xmfr Mounting Bracket Assembly	1 / Pkt	819285	SL20 / SL2020 / SL2929 / SL31 / SL3131 PH8 Elec Hrn 240v
1 / Pkt	819747	SL20 Elec Oven Assembly 220-240v / 60 Hz / 3ph	1 / Pkt	819757	SL20 Elec Oven Assembly 220-240v / 380-416v / 3ph
1 / Pkt	819568	Swd20, SL20 - SL3131 PH8 Elec Bmr Hrn 200			
1 / Pkt	131321	Oven Contactor 120v	1 / Pkt	131322	Oven Contactor 208/240v

**Model: SL31 / SL3131 Electric Heat Only      Voltage: 60 Hz / 208-240v / 1 Phase      Change Date: January 29, 2008**

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
1 / Pkt	819676	Xmfr Mounting Bracket Assembly	1 / Pkt	819285	SL20 / SL2020 / SL2929 / SL31 / SL3131 PH8 Elec Hrn 240v
1 / Pkt	819801	SL31 / SL3131 Elec Oven 208, 220-240v / 60 Hz / 1ph	1 / Pkt	819767	SL31 / SL3131 Elec Oven 200-240v / 50 Hz / 1ph
1 / Pkt	819568	Swd20, SL20 - SL3131 PH8 Elec Bmr Hrn 200			
1 / Pkt	131327	Oven Contactor 120v	1 / Pkt	131328	Oven Contactor 208/240v

**Model: SL31 / SL3131 Electric Heat Only      Voltage: 60 Hz / 208-240v / 3 Phase      Change Date: January 29, 2008**

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
1 / Pkt	819676	Xmfr Mounting Bracket Assembly	1 / Pkt	819285	SL20 / SL2020 / SL2929 / SL31 / SL3131 PH8 Elec Hrn 240v
1 / Pkt	819749	SL31 / SL3131 Elec Oven 220-240v / 60 Hz / 3ph	1 / Pkt	819571	SL31 / SL3131 Elec Oven 220-240v / 380-416v / 50 Hz / 3ph
1 / Pkt	819568	Swd20, SL20 - SL3131 PH8 Elec Bmr Hrn 200			
1 / Pkt	131323	Oven Contactor 120v	1 / Pkt	131324	Oven Contactor 208/240v

**Model: SL50 Electric Heat Only      Voltage: 60 Hz / 208-240v / 1 Phase      Change Date: January 29, 2008**

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
1	851519	SL50 / SL75 HSI Xmfr Assembly PH8	1	813417	SL50 / SL75 Autotransformer Bypass Hrn PH8
1	131329	120v 75a Dp Contactor 50/60 Hz	1	131330	208/240v 75a Dp Contactor 50/60 Hz

**Model: SL50 Electric Heat Only      Voltage: 60 Hz / 220-240v / 3 Phase      Change Date: January 29, 2008**

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
1	851519	SL50 / SL75 HSI Xmfr Assembly PH8	1	813417	SL50 / SL75 Autotransformer Bypass Hrn PH8
1	131323	120v 40a Dp Contactor 50/60 Hz	1	131324	208/240v 40a Dp Contactor 50/60 Hz

**Model: SL50 Electric Heat Only****Voltage: 60 Hz / 208v / 3 Phase****Change Date: January 29, 2008**

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
1	851519	SL50 / SL75 HSI Xmfr Assembly PH8	1	813417	SL50 / SL75 Autotransformer Bypass Hrn PH8
1	131325	120v 50a Dp Contactor 50/60 Hz	1	131326	208/240v 50a Dp Contactor 50/60 Hz

**Model: SL75 Electric Heat Only****Voltage: 60 Hz / 208v / 1 Phase****Change Date: January 29, 2008**

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
1	851519	SL50 / SL75 HSI Xmfr Assembly PH8	1	813417	SL50 / SL75 Autotransformer Bypass Hrn PH8
1	131333	150a Dp Cont 120vac Coil 50/60 Hz	1	131332	208/240v 90a Dp Contactor 50/60 Hz

**Model: SL75 Electric Heat Only****Voltage: 60 Hz / 208v / 3 Phase****Change Date: January 29, 2008**

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
1	851519	SL50 / SL75 HSI Xmfr Assembly PH8	1	813417	SL50 / SL75 Autotransformer Bypass Hrn PH8
1	131327	120v 60a Dp Contactor 50/60 Hz	1	131328	208/240v 60a Dp Contactor 50/60 Hz

**Model: SL75 Electric Heat Only****Voltage: 60 Hz / 220-240v / 1 Phase****Change Date: January 29, 2008**

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
1	851519	SL50 / SL75 HSI Xmfr Assembly PH8	1	813417	SL50 / SL75 Autotransformer Bypass Hrn PH8
1	131331	120v 90a Dp Contactor 50/60 Hz	1	131332	208/240v 90a Dp Contactor 50/60 Hz

**Model: SL75 Electric Heat Only****Voltage: 60 Hz / 220-240v / 3 Phase****Change Date: January 29, 2008**

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
1	851519	SL50 / SL75 HSI Xmfr Assembly PH8	1	813417	SL50 / SL75 Autotransformer Bypass Hrn PH8
1	131325	120v 50a Dp Contactor 50/60 Hz	1	131326	208/240v 50a Dp Contactor 50/60 Hz

PSF's Or Assembly Numbers Affected By This Change

**Model: SL75 Electric Heat Only****Voltage: 60 Hz / 480v / 3 Phase****Change Date: January 29, 2008**

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
1	851519	SL50 / SL75 HSI Xmfr Assembly PH8	1	813417	SL50 / SL75 Autotransformer Bypass Hrn PH8
1	131336	120v 25a Dp Contactor 50/60 Hz	1	131335	208/240v 25a Contactor w/Lugs 50/60 Hz

PSF's Or Assembly Numbers Affected By This Change

**Model: SL31 / SL3131 Steam Heat Only****Voltage: 60 Hz / 200 to 240v****Change Date: January 29, 2008**

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
1 / Pkt	819579	SL31 / SL3131 Steam Valve Assembly 120v	1 / Pkt	819545	SL31 / SL3131 Steam Valve Assembly 240v
1 / Pkt	818820	SL31 / SL3131 Xmfr Mounting Bracket Assembly	1 / Pkt	819543	SL2020 / SL2929 / SL3131 PH8.2, 8.4 Steam Intercnnt

**Model: SL50 / SL75 Steam Heat Only****Voltage: 60 Hz / 200 to 240v****Change Date: December 7, 2007**

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
1	813415	SL50 / SL75 Steam Solenoid Valve 100/120v PH8	1	813416	SL50 / SL75 Steam Solenoid Assembly PH8 200/240vac
1	851519	SL50 / SL75 HSI Singlr Xmfr Assembly	1	813417	SL50 / SL75 HSI Singlr Xmfr Assembly

PSF's Or Assembly Numbers Affected By This Change

# Griplock Bearings Replaced By Setscrew Type

Throughout the past few months, ADC has phased out the use of the griplock type bearing in all of our production. Bearings with setscrews secured with thread adhesive (Loctite) is now used in all production applications and for parts orders. Parts orders placed for griplock bearings will automatically be cross-referenced and filled with the applicable setscrew type bearing. Each bearing will be shipped with setscrews, thread adhesive, and instructions for the proper use of the Loctite thread adhesive, and it's removal.

Refer to the cross-reference chart below for the correct part number usage.

## BEARING CROSS-REFERENCE CHART

- (A) Part number of obsolete griplock bearing previously sold as parts order
- (B) Vendor part number for obsolete griplock bearing (P/N found on bearing)
- (C) Vendor part number for setscrew type bearing (P/N found on bearing)
- (D) Part number of current production and parts sales bearing with setscrews and loctite, etc.
- (E) Part number of replacement setscrews as applicable for (D)

Bearing Type Description	(A) Griplock Sale P/N*	(B) Griplock Bearing #*	(C) Setscrew Bearing #*	(D) Bear. with Setscrew P/N	(E) Replacement Setscrew P/N
1" Pillow Block	884275	100268	100205	880205	154325
1-3/8" Pillow Block (No Magnet)	883737	100254	100222 100202 100237	880202	154326
1-3/8" Pillow Block (w/Rot Sens Magnet)	883710	100259	100222	880779	154326
1-3/8" Pillow Block No Mag w/Grease Fit	_____	_____	100222	880879	154321
1-3/8" Flange	_____	100255	100203	880203	154321
1-3/8" Flange Shr Seal w/Grease Fitting	_____	_____	100238	881061	154326
1-1/2" Pillow Block	884308	100257	100217	880800	154321
1-3/4" Pillow Block	_____	_____	100221	880221	154326
1-3/4" Flange	883735	100256	100220	880220	154326
1-5/16" Pillow Block	884138	100267	100245	887174	154322
1-15/16" Flange	_____	100266	100244	887195	154322
2" Pillow Block	_____	100264	100234	880882	154322
2-1/4" Pillow Block	883767	100258	100204	880204	154322
2-1/2" Pillow Block	884100	100265	100242	881775	154322
3-1/8" Pillow Block	884268	100263	100223	880883	154323

\* Either obsolete or not for retail sale used for vendor inventory control.

## Dryer Serial Number Alpha Date Code

Since 1990, ADC has used an alpha date code at the end of our six digit serial number. This alpha date code, which consists of two letters is a helpful tool in the field for determining the approximate vintage (age) of the dryer. This alpha code is useful when referring to date changes in technical bulletins, parts identification, determining the correct installation and parts manuals for a dryer and warranty verification.

The alpha date code denotes the approximate year and month the dryer was manufactured. The first letter is the year and the second letter is the month. As an example, using the dryer serial number alpha date code legend below, serial number 451154ZM was manufactured in 2001, June and serial number 358222KZ in 1994, December.

### DRYER SERIAL NUMBER ALPHA DATE CODE LEGEND:

B	1990	January
D	1991	February
F	1992	March
H	1993	April
K	1994	May
M	1995	June
Q	1996	July
S	1997	August
U	1998	September
W	1999	October
Y	2000	November
Z	2001	December
A	2002	January
C	2003	February
E	2004	March
G	2005	April
J	2006	May
L	2007	June
N	2008	July
P	2009	August
R	2010	September
T	2011	October
V	2012	November
X	2013	December

### IMPORTANT

This date code is approximate and for reference purposes only. For exact date of manufacture, contact the ADC factory.

*American Dryer Corporation is the leading manufacturer of innovative and energy-efficient drying solutions for coin, on-premise and commercial laundry markets in 90 countries worldwide. You could say the world "revolves" around us.*

# AD-410 Thru AD-670 Drive Wheel Change

As of February 6, 2008, the drive wheels used on the AD-410 thru AD-670 has changed from an 11" x 5" one-piece tire / wheel (ADC P/N 180031) to an 11" x 5" two tire wheel (ADC P/N 180055). The current

two tire / wheel is totally interchangeable with the previously used 5" wide one tire / wheel, and all parts orders placed for P/N 180031 wheel will automatically be cross-referenced and filled with the current wheel

P/N 180055.

The current two tire wheel can also be used as a direct replacement for the previously used wheel P/Ns 180036 and 883592.

## Data Label Relocated

ADC is in the process of relocating the data label on our single pocket main product line. The data has been moved from the inside upper left front panel area (viewed when control door is in open position), to the "rear" upper back left area of dryer (refer to photo). Changes have been made to the back panel/guard where slots have been added so that the label can be viewed without removing the panels. With this change, the data label can be viewed while the dryer is still packaged.



This change was implemented on February 11, 2008 and affects models AD-24, AD-25V, AD-30V, AD-285, AD-50, and AD-78 including all versions with associated model.

## SL50 / SL75 / AD-4545 Gas Shutoff Valve

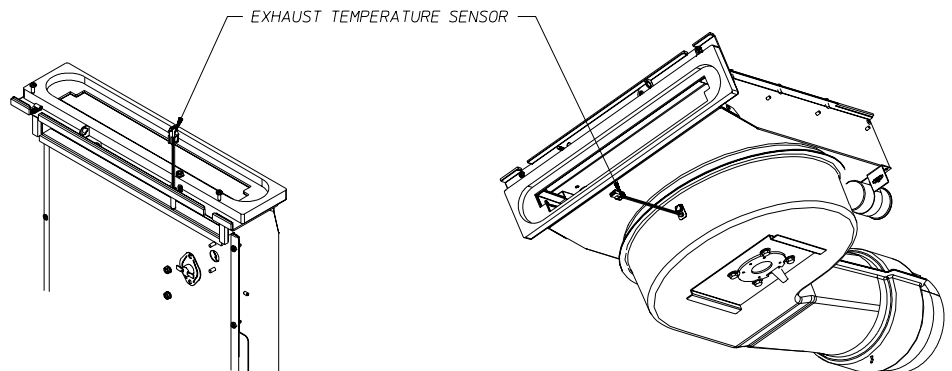
ADC has two vendors for the 90 degree 1/2" gas shutoff used in the SL50, SL75, and AD-4545 model dryers. Depending on the vendor availability these model dryers could be manufactured with either part number 141313, 881367, or 141320 gas shutoff. Both are totally interchangeable without modifications to the dryer.

## SL31 / SL3131 Exhaust Temperature Sensor Relocated / Blower Housing Change

The exhaust temperature sensor has been relocated into the blower housing on the SL31, SL3131, and related models. The sensor has been moved from the front lint box area to the front of the formed blower housing as shown in the illustration below. As a result of this change the exhaust temperature sensor assembly has changed from P/N 818986 to P/N 830333. The two sensor assemblies are not interchangeable. This change was put into affect on February 19, 2008.

PREVIOUS SENSOR LOCATION

CURRENT SENSOR LOCATION



MAN7560

PARTS CHANGED: A/R Indicates "As Required", 1 or 2 depending on the SL model.

### Low Voltage Applications (i.e. 120vac)

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
A / R	819450	SL31 / SL3131 Formed Blower Housing Assembly, Low Voltage	A / R	825569	SL31 / SL3131 Formed Blower Housing Assembly with Temperature Probe, Low Voltage
A / R	818986	Exhaust Temperature Sensor Assembly	A / R	830333	Exhaust Temperature Sensor Assembly

### High Voltage Applications

Change From			Change To		
Qty.	Part No.	Description	Qty.	Part No.	Description
A / R	819455	SL31 / SL3131 Formed Blower Housing Assembly, High Voltage	A / R	822356	SL31 / SL3131 Formed Blower Housing Assembly with Temperature Probe, High Voltage
A / R	818986	Exhaust Temperature Sensor Assembly	A / R	830333	Exhaust Temperature Sensor Assembly