

Technical Bulletin

Number 187

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Phase 8 Computer System Changes

Major firmware enhancements have been made to both the Phase 8.3.3 single pocket board (ADC P/N 137279) and the Phase 8.4.2 dual pocket board (ADC P/N 137274). One major change is that the programming procedure is easier where both coin and non-coin (OPL) now have individual menu paths.

The Phase 8.3.3 board has changed from Rev 1.8 to 2.2 and the Phase 8.4.2 board from Rev 1.9 to 2.2. The board part numbers have not changed being that neither boards hardware has not changed in any way, and no modifications are required when replacing boards in the field. However, due to the program enhancements and program procedure changes, boards shipped as a parts order will include a Rev 2.2 "User's" manual. This change was implemented in production on June 11, 2007 and includes an updated Phase 8 user's manual, Rev 2.2, ADC P/N 113604.

SL2929, SL31 and SL3131 (60 Hz Only) Gas Connection

In an effort to ensure that the correct pipe size is connected to the models SL2929, SL31, and SL3131 (and other related models), the point of gas connection to each pocket has been increased from 3/8" N.P.T. to 1/2" N.P.T.

Even though it's noted in the installation manual (included with each dryer) that the minimum connection is 1/2" (separate feed from main header to each pocket), or 3/4" when top and bottom pockets are "T" together, many were being connected with only a 3/8" line, which will cause ignition problems and/or poor drying performance.

This change was put into affect on May 17, 2007 for the SL31, SL3131 and June 5, 2007 for the SL2929, and ONLY affects the 60 Hz versions of these models.

IMPORTANT: If top and bottom tumbler connections are connected or "T" together, the supply from the header must be increased to a minimum of 3/4" (19.05 mm).

Parts Price List

Our current Parts Price List (ADC P/N 451000) has an April 1, 2007 effective date, and is available to be downloaded for free from our website, www.amdry.com. As with previous parts price lists, it's also available on our ADC Publications CD (ADC P/N 882206). Printed copies of the January 2007 Parts Price List is available through normal parts order channels at a net price of \$12.00 each.

The Parts Price List is now only updated twice a year June and December

IMPORTANT

- \$ Prices are subject to change without notice. The prices on the invoice may not necessarily be the same as the prices shown on the Parts 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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SL31, SL3131 Motor Change

As of May 9, 2007 production of the models SL31, SL3131, and related models are manufactured with a different motor. The ADC P/N 181121 drive motor used in these models has changed to ADC P/N 181130. The only difference between the two motors is the harness connector.

The new motor has a 12-pin connector that will alleviate the issue of loose connections, or the pins popping out as sometimes found with the previously used motor. The motor harness on the dryer now differs as well.

CHANGE FROM			CHANGE TO		
Qty.	P/N	Description	Qty.	P/N	Description
1	181121	1/4 hp 12-Pin Rev Motor SL31	1	181130	1/4 hp 12-Pin Rev Motor SL31
PSFs or assembly numbers affected by this change					
Assembly 819425* SL31, SL3131 Front Access ADJ Motor Mount Assembly Complete 60 Hz 819519* SL31, SL3131 Front Access ADJ Motor Mount Assembly Complete 50 Hz * If purchased as a parts order and to be used for models manufactured prior to May 9, 2007. Special harness P/N 819854 is needed and must be purchased separately.					

The two motors are not interchangeable unless modifications are made. To use the new 181130 motor on models manufactured with the previously used 181121 motor, a special motor conversion harness (ADC P/N 819854) must be used. All parts orders placed for the 181121 motor will be substituted with the applicable (60 Hz or 50 Hz) 181130 motor with sheave, and conversion harness (ADC P/N 819854).

Old motor 181121 sold as $\left\{ \begin{array}{l} 887030 \text{ 50 Hz with sheave} \\ 884288 \text{ 60 Hz with sheave} \end{array} \right.$ replaced by $\left\{ \begin{array}{l} 887151 \text{ motor w/50 Hz sheave and conversion harness} \\ 887150 \text{ motor w/60 Hz sheave and conversion harness} \end{array} \right.$

SL50 and SL75 “Steam” Data Label Relocated

For the steam version of the SL50 and SL75, unlike all other Solaris models, the model/serial number data label is no longer located at the upper left hand corner of the rear support panel. The data label for the above noted steam models is now located beneath the trust bearing and can be viewed from the rear of the dryer through the louver openings in the back panel.

The data label was relocated in an effort to avoid the possibility of the data label being damaged by the heat from the steam coil.

SL50 and SL75 Tumbler Option

Just a reminder that the SL50 and SL75 come standard with a galvanized tumbler. The stainless steel tumbler is now a cost option. Contact the ADC sales department for availability and pricing.

Phase 8 OPL Moisture Sensor Mounting Hardware Change

Nature of Change: The mounting hardware used to secure the Phase 8 moisture assembly (ADC P/N 819365) in place has changed. Rather than being held in place with three P/N 150331 8-18 x 1/2" T20 Torx head screws, it's now held in place with only one of these screws (illus. no. 3), and two P/N 184077 5/32" x 0.55 stainless steel button head rivet (illus. no. 7).

Date Implemented: April 25, 2007.

Comments: The use of the rivets will eliminate the possibility of the screws stripping out and loosening. When servicing units in the field made prior to this change, either option can be used. However, it's suggested that the rivets be used in place of the two screws as additional assurance that the assembly will not come loose.

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Mid-Line Gas Valve Change

The “36C” type gas valves used in our past and current mid production line have been discontinued by the vendor and replaced by a “36H” type gas valve. The previous type valve can be replaced by the current “H” valve. However, some modifications may be required.

The gas valves in question are
 ADC P/N 128928 NOW OBSOLETE
 1/2” x 1/2” 36C 24v gas valve
 ADC P/N 140026 NOW OBSOLETE
 3/4” x 3/4” 36C 24v gas valve
 ADC P/N 128099* CURRENT
 3/4” x 3/4” 36H 24v gas valve

Both “C” valves are obsolete and replaced by the “H” type gas valve as of June 19, 2007. This includes both production and parts orders for gas valves and related subassemblies (i.e. burner assemblies).

For parts orders, any order placed for the 128928 or 140026 “C” type gas valves will automatically be cross-referenced and supplied with the appropriate “H” valve. Each “H” valve kit will include necessary instructions, wire jumpers, and bushings (for replacement of the 128928 valve, which had a 1/2” inlet and outlet) necessary for the change over.

The current “H” valve P/N 128099 when sold as a parts order is kit number for natural gas P/N 887159 and for L.P. gas P/N 887155.

IMPORTANT: The L.P. kits for the 36C and 36H valves are totally different and not interchangeable.

Gas models (past and present) affected by this change: AD-81, 82, 90, 95, 96, 100, 115, 120, 130, UDG-80, 81, and related models.

Mid Range Tumbler Tie Rod Nuts “Loctite®”

As a precautionary measure to avoid the tumbler tie rod nuts from loosening, Loctite® #262 thread lock is now used to secure the nuts in place. This change was implemented into production on July 12, 2007 and affects models AD-115, AD-120, AD-170, and related models.

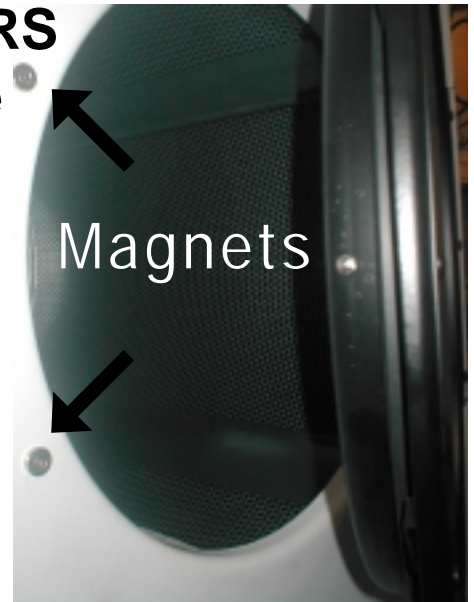
Main Line Dryer CRS Main Door Change

During the second quarter of 2007, ADC began phasing in the use of a new CRS main door where the plastic friction door latch (ADC P/N 170330) has been eliminated and replaced with a two piece magnet type arrangement.

As the result of this change, the front panels differ as the magnets used in this new arrangement are actually affixed to the front panel assembly.

The main door nor front panels are interchangeable with existing units in the field, which have the latch type arrangement.

Models changed, change date, new main door part number, and front panel part numbers are noted below.



ADC Model *	Change Date	Main Door P/N		R.H. Front Panel P/N	
		Black	Stainless	Painted **	Stainless
AD-24	5/17/07	822661	822675	822662	N / A
AD-285	5/17/07	822661	822675	822667	822666
AD-50V	6/18/07	822661	822675	822669	822671
D50	6/18/07	822661	822675	822669	822671

Notes:

- * Related models.
- ** Specify color when ordering.
- N/A Not available at time of printing.
- Front panels noted are right hand, for left hand contact ADC factory for availability and pricing.

Existing dryers in the field, which have the 31-1/4” CRS main door with plastic latch can be converted to magnet with the use of kit ADC P/N 884339. The kit includes the necessary parts (magnets, brackets, and hardware) and instructions to convert one door.

Griplock Bearings Being Phased Out

In the past few months ADC has been phasing out the use of the griplock bearing in production, and returned to using the two setscrew type bearing arrangement (with setscrews secured with adhesive/Loctite®).

The setscrew bearings are totally interchangeable with the previously used griplock bearings. However, setscrew adhesive is required to be used on the setscrews and is included with each bearing (with instructions) sold as a parts order.

Current bearing usage as follows:

DESCRIPTION	ADC PART NUMBERS	REPLACED BY
1-3/8” Pillow Block Bearing		
Without magnet	100202, 100259, 100254, 883737	880202
With magnet*	100222, 100259, 883710	880779

* Used as tumbler bearing for models with rotation sensor.

DESCRIPTION	ADC PART NUMBERS	REPLACED BY
1-3/4” Flange Bearing	100220, 100256, 883735	880220

This change affects all parts orders for the above-mentioned bearings, and any order placed for the griplock type bearing will automatically be cross-referenced and supplied with the applicable setscrew type bearing. All parts orders for related subassemblies will be provided with the setscrew type bearing.