

Technical Bulletin

Number 191

February 16, 2010

Direct Spark Ignition Module Wire Conversion Chart

Subject: This chart is to aid in the wire conversion between previous DSI Modules and the current Fenwal DSI Module.

Module Type: White Rogers (Cream or White colored module)

<u>Older Module Wire Positions</u>	<u>New Fenwal Module Position</u>
MV _____	V1
FP _____	S1
TH _____	TH
COM _____	V2
GND _____	V2

Note: The High Voltage Spark Cable attached with the kit must be used. Only with the Fenwal Module!

Module Type: Johnston Control (Blue colored module)

<u>Older Module Wire Positions</u>	<u>New Fenwal Module Position</u>
Ground Wire _____	V2
THS _____	TH
MV _____	V1
SENSE _____	S1

Note: The High Voltage Spark Cable attached with the kit must be used. Only with the Fenwal Module

New distributor on line parts ordering system

Distributors will now be able to order parts on line through the ADC web site. Dealers who wish to use the system must first contact Susan Epps in the Customer Service Dept. at 508-678-9000 ext.326 to register. Registration is a short process. You will be asked to provide an email address and password which will then be used to access our parts ordering site.

ADC Factory Rebuilt Computer Boards

PRICE CHANGE!!!

Get the assurance of a factory rebuilt board. Includes upgrades, enhancements and warranty.

- Phase 7 and Phase 8 computer boards \$155
- All other boards \$95 (Both Single or Dual Boards)
Includes return shipping via UPS ground (U.S. Only). No service charge for non-repairable boards

ADC's remanufactured program is for past microprocessor production controllers. This program requires that the core (failed out of warranty controller) must be returned to ADC first. No customer or reseller can call and place an order for remanufactured controllers. ADC must be in possession of the failed out of warranty controller (core) before any order can be processed. There are no exceptions.

For more details, contact our repair board support at 508-678-9000 ext. 130.

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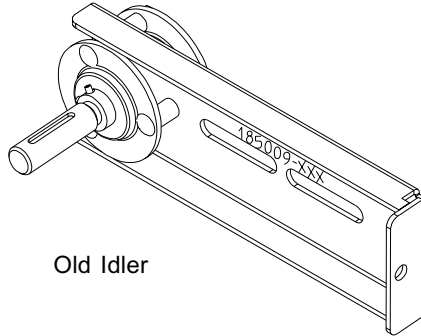
For more information, visit our website at www.amdry.com or email: techsupport@amdry.com

Main Line Idler Change

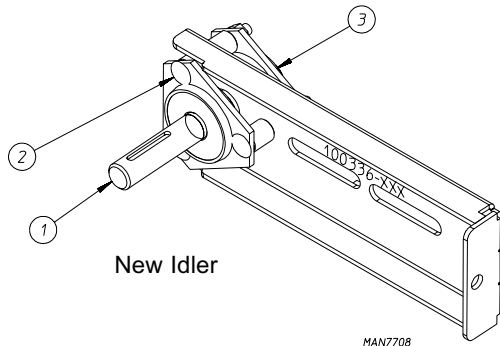
The following idler assemblies have been changed: 882576, 882776, 882777, 882778, 883473.

The new idler has some improvements compared to the old.

1. Thicker shaft, more durable and heavy duty.
2. Bigger bearings to support the thicker shaft.
3. Larger and thicker gauge bearing plates.



Old Idler



New Idler

MAN7708

IMPORTANT
The parts between these two idlers are **NOT** interchangeable.

Serial Data Labels locations by Models

AD MAIN LINE: Currently located at back left side on single pockets
Previous to Feb.08 on inside upper left panel behind control door

330-320: located at left side front near sail switch

236: located behind computer panel in wire box

AD4545: located left side back bottom pocket

SOLARIS LINE: back left side on single pockets
Back left side lower pocket on stack models

530 and 360X2: Located behind left side computer panel

MED. DRYER: dual timer models located behind the control door on left side
All others located on back guard left side

LARGE DRYER: 200, 310, and 410 located inside of right side of cabinet

464: located top left corner inside of right side cabinet

128927 Gas Valve Conversion Chart

Model list of dryers	Gas valve kit pn#	Bracket pn# (included in gas valve kit)
All dryers other than models listed below	887274 (NG) 887273 (LP)	345590 345590
AD-330	887284 (NG) 887277 (LP)	887280
AD-320	887287 (NG) 887275 (LP)	887279



Rotation Sensor Faults "Sefl"

1 Does the tumbler turn ?

If No: Check if belt has shred, slipped, come off the motor, or the motor shaft won't turn. If the motor wont turn check for voltage at the motor.

If Yes:

1) Does the tumbler stop turning within 15 – 30 seconds ?

If so check to see if the rotation sensor has failed, magnet is still adhered to the tumbler shaft, or there is a bad connection between the rotation sensor and the computer board.

(Keep in mind the distance between the rotation sensor and magnet should not exceed 1/4")

2) If the tumbler turns past the 15 – 30 seconds and runs for hours prior to a rotation sensor fault.

It is very possible the motor could be over heating and the motor overload would shut down the motor and you would receive a rotation fault (sefl).

Also check for a short from the rotation sensor to the computer board, the distance between the magnet and rotation sensor is too great. The distance should be less than 1/4".

2010 Service School Schedule

ADC WILL BE HAVING SERVICE SCHOOLS AT OUR MODERN FACILITY IN FALL RIVER, MASSACHUSETTS DURING 2010

THE DATES ARE AS FOLLOWS:

DATE	TYPE OF SCHOOL	8:00 AM - 4:00 PM
3/29-6/14-10/9	Resellers/Dealers	
3/31-6/16-10/6	Coin Store Operators	
3/30-6/15-10/5	Non-Coin End Users	

The fee for these one-day service schools is \$125 (NET) per school per person, is nonrefundable, and must be received by ADC no later than thirty days prior to the service school attendance date. ADC will limit the size of these schools to approximately ten people on a first-come, first-served basis. The fee covers the service school and lunch, plus manuals and writing materials. Any other expenses (all transportation costs, lodging, meals, etc.) are the responsibility of the individual attending the service school.

Please contact Susan Epps by phone at (508) 678-9000 extension 326, by fax at (508) 678-9447, or by e-mail, sepps@amdry.com, if you wish to register or if you have questions concerning any aspect of our in-house service schools.

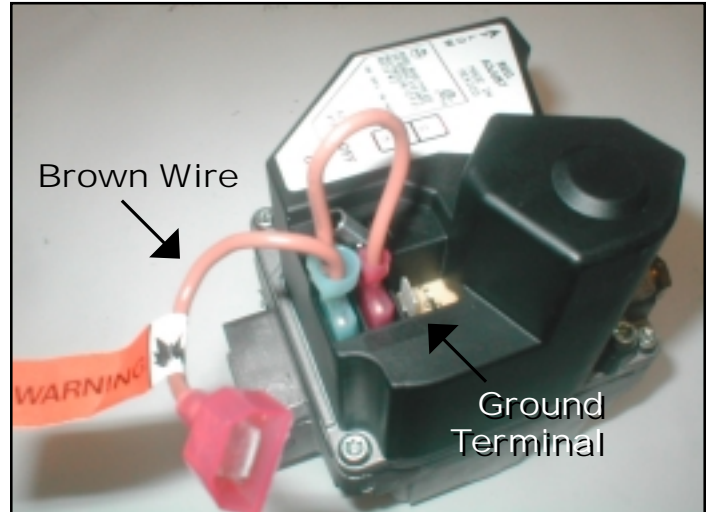
Conversion from 128928 and 140026 to Current Production Gas Valve Instructions

The "36C" type gas valves used in ADC 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 current "H" valve P/N 128099 when sold as a parts order is kit number
 NATURAL GAS 887159
 L.P. GAS 887155

Wiring Terminations

1. Make terminations on the gas valve as shown in photograph.
2. Phase 6 and 7 computer models: need to connect the yellow "Y" terminal provided to the brown wire as shown in the photograph. Then using the "Y" terminal, connect MV from the module and the orange and silver wire that connects to the computer board to the brown wire.
3. Last, connect the ground wire to the open terminal on the gas valve.



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.

Johnson to Fenwal DSI Module Conversion Listing

MODEL NO.	NOTES	ADC PART NO.	REPL. HV WIRE#
AD-15,24,25,27,285 30,385,50, 60,75,758,78,80,81,82,100,115,120, 130,170,175,190,200,310,410,575 UNIDRYER UD-50,75,80	ALL SINGLE POCKET DRYERS *	883849	A
AD-320,330,630	KIT FOR ONE POCKET	884126	B
AD-540,360,360X2RD	KIT FOR ONE POCKET	884280	C
AD-220,230,235,236,26,295	KIT FOR ONE POCKET KIT FOR TWO POCKETS	884284 884162	B B
AD/SL-20	SINGLE KIT	884163	A
AD-530,531	KIT FOR ONE POCKET	884282	B

** Excluding AD-26 and 295

REPLACEMENT H.V. WIRES ARE FOR FENWAL (GRAY BOX) MODULES ONLY (instructions are included where necessary)

APPLICABLE MODELS	ADC PART NO.
A All single models as noted above	884279
B AD-220,230,235,236,320,330,430,435,436,530,53 AD-26 & 295	829998
C AD-360,360X2RD,540 OR AS NOTED ABOVE	884141

Look to ADC when you're looking to outfit your facility with commercial drying products