OWNER'S MANUAL



COMBINE CALC-U-DRI II With Averaging

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TABLE OF CONTENTS

Safety Instructions	i
Introduction to DMC's Combine Calc-U-Dri II	1
Operation	1 - 2
Installation of Control Box & Digital Display	3 - 5
Installation of Sensor	5 - 7
Installation of Averaging Switch	8 - 9
Sampling Procedure	10
Parts Listing	11
Trouble Shooting Guide	12 - 14
Warranty	15
DMC Distribution Centers Listing	15
Offset Recommendations	15
Optional Elevator Sampler Installation	16 - 20



!!CAUTION!! BE A SAFE OPERATOR



- 1. Read and understand this Owner's Manual
- 2. Stop the combine threshing unit and engine before sampling, adjusting or servicing.

Use caution when obtaining a sample from the grain hopper. Follow combine manufacturer's recommendations when climbing in and out of the hopper.

- 3. Disconnect all electrical power before servicing or opening control box.
- 4. Ground all electrical equipment properly.
- 5. Only knowledgeable and trained personnel should operate this equipment.

Failure to follow these instructions may result in personal injury or property damage.

COMBINE CALC-U-DRI II INTRODUCTION

Congratulations on the purchase of your new Combine Calc-U-Dri II from DMC. The Calc-U-Dri utilizes DMC's years of experience with grain moisture monitors and controls in the grain drying industry. Your new Combine Calc-U-Dri was designed by DMC's engineers who also farm and utilize this equipment in their farming operations. Since the Combine Calc-U-Dri was designed *by* farmers *for* farmers, you can rest assured that it was designed specifically for your needs.

The DMC Combine Calc-U-Dri II will monitor grain moisture as it enters the combine hopper and provide the operator with long and short averages of the grain moisture. A short average could be just a hopper full of grain. A long average could be an entire truck load or even a whole field of grain. It will also signal when the moisture content is at or higher than a preset level as set by the operator. The digital display can be mounted in any location desired. Many operators mount the display on the steering column for convenience. The display will constantly show grain moisture content. It will also show grain temperature on demand.

The Combine Calc-U-Dri can easily be calibrated for use on various models of combines and for different grains by using the moisture offset feature. If you ever have any questions on the function, design or operation of DMC's Combine Calc-U-Dri, contact your nearest DMC Sales and Distribution Center or DMC's factory in Mason City, Iowa (See the listings on page 15.)

OPERATION

 The Combine Calc-U-Dri II control box is designed to be mounted to the ceiling of a combine cab. Always refer to the owners manual for installation and operating information. See Photo A.



Photo A

- 2. Turn the combine ignition switch to the "on" or "accessory" position. Switch the Combine Calc-U-Dri II power switch "ON". The digital display should read approximately 2.0% if the offset is set at zero and there is no grain on the sensor and ambient temperature is at 80 degrees F. Or, it will read the moisture content of any grain that is left on the sensor.
- 3. Push the "temperature" switch up during harvesting and the digital display will show the temperature of the grain on the sensor. Normally this will be close to the ambient temperature.
- 4. Push the "Moisture Limit Display" switch down and the digital display will read the moisture limit. Turn the "Limit Adjustment" knob *clockwise to increase* or *counter-clockwise to decrease* the moisture limit.

OPERATION (continued)

- 5. Switch the power switch to "ON WITH ALARM". An audible alarm will sound and the red indicator will light when the moisture content of the grain reaches the moisture limit setting. The alarm will last about one-half second and will sound each time the moisture limit is reached. If the power switch is in the "ON" position, the audible alarm will not sound and only the light on the digital display will come on to alert the operator when the moisture limit is reached.
- 6. Push the "MOISTURE OFFSET DISPLAY" switch down to read the setting for the moisture offset. It should be set to 0.0% initially before calibration. This can be adjusted to a plus value or a negative value by turning the "OFFSET ADJUSTMENT" knob.
- 7. The Combine Calc-U-Dri unit needs to be calibrated for different grains and auger configurations. This is done by comparing the reading on the digital display with the moisture content reading from a reliable moisture tester.

Note: It is important to take samples when the readings are steady and not changing rapidly and to use the average of several samples when calibrating the unit to insure accuracy. **See sampling procedure on page 10.**

- 8. Adjust the offset to account for the difference between those readings. Adjust the offset to a minus value if the Calc-U-Dri readings were higher than the moisture tester's readings. If the Calc-U-Dri moisture readings were lower than the moisture tester's readings, adjust the offset to a plus value equal to the difference.
- 9. The Combine Calc-U-Dri II computes two different moisture averages. The short average can be used for a hopper of grain or just one round in the field. The long average can show the moisture in a truck load or for one or more fields. To read an average, push either the "SHORT" or "LONG AVERAGE DISPLAY" switch down.

To reset an average, push the respective switch up and hold until you hear four (4) beeps. At the end of the fourth beep, the old average will be cleared. A new average will automatically begin if the "AVG ON" indicator is on.

10. The averaging switch, located in the path of the clean grain, signals the Combine Calc-U-Dri II when switch is covered with grain and valid data is present to be used for averaging. After a delay of approximately six (6) seconds, the "AVG ON" light will turn on. This light indicates that the Combine Calc-U-Dri II moisture reading is being used to update both the short and long averages. If sufficient grain is not present to keep the average switch covered, the "AVG ON" light will turn off after approximately two (2) seconds. The two averages will remain in memory for up to three weeks without power to the Combine Calc-U-Dri II.

CONTROL BOX INSTALLATION

- 1. The Combine Calc-U-Dri II control box is designed to be mounted to the ceiling of the combine cab or any convenient location. Select a location in the cab and check the area above for any hoses, tubes or electrical wiring that could be damaged by the control box mounting screws.
- 2. Open the Calc-U-Dri box by loosening the screws on the front bottom corners. **See Photo B.**

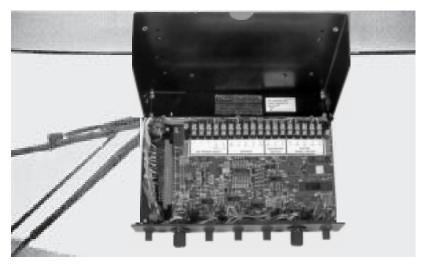


Photo B

3. Hold the box up to the chosen location and mark the mounting holes through the top of the box. See Photo B & Diagram 1. (Note: Six mounting holes are provided in the Combine Calc-U-Dri box. Use two or four of the holes to mount the Calc-U-Dri to the combine ceiling, depending on the obstructions in the ceiling and/or the sturdiness of the material from which the ceiling is made.

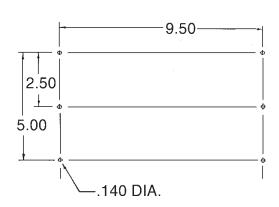


Diagram 1

Pilot holes (9/64" diameter) can be drilled or the self tapping screws that are provided can

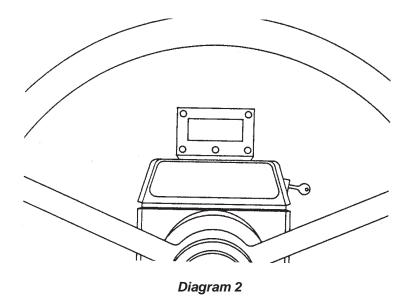
be used to secure the box to the ceiling. Double check to make sure that no components can be damaged in the cab roof area by the mounting screws.

CONTROL BOX INSTALLATION (continued)

4. For installations where the control box is to be mounted to a flexible surface, it may be desireable to use a back-up plate or brackets to stiffen the mounting surface. Use the cover of the control box as a template to mark the location of the six (6) mounting holes on the back-up plate or brackets. Drill 0.140 diameter (9/64") holes in the back-up plate as pilot holes for the self-tapping screws that are provided for mounting the box.

When the control box is mounted to a surface or panel that is held in place with spring clips or other quick-latch devices, make sure that the control box will not cause the panel to fall. It may be necessary to use additional mounting screws for the panel or to attach a safety chain to insure that if the panel does become loose it will not obstruct operation of the combine.

5. Select a location for the digital display such as the back side of the steering column. Clean off the mounting surface with wood alcohol to remove any oil or dust before sticking the display to the surface. **See Diagram 2.**



- 6. Use the stick-on clips to route the cable from the digital display to the Calc-U-Dri II control box.
- 7. Feed the cable through the grommet on either side of the box and, leaving about 10 inches for connections. Cut off any excess cable.
- 8. Separate the individual wires in the cable. Remove one-quarter inch of insulation on each wire and connect them to the terminal block posts as marked by the decal (i.e., white to 18, green to 17, black to 16, brown to 15 and red to 14).

CONTROL BOX INSTALLATION (continued)

9. Feed the power supply wires through the same grommet and route them to a convenient power source in the cab.

Make sure that one end of the red wire is connected to the positive (+) side of a power source and the other end to terminal number five. Likewise, one end of the white wire should be connected to the ground (-) side of a power source and the other end to terminal number four.

Pick up power from a source that is controlled by the ignition switch such as the radio circuit. Use stick-on clips to route the power supply wires. **See Photo C.**

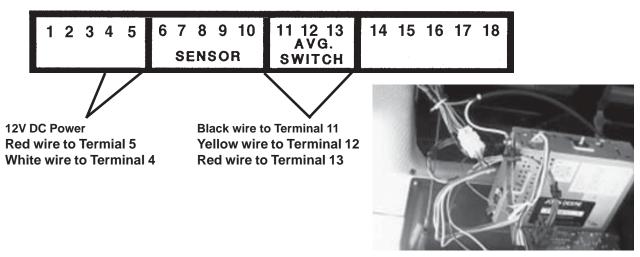


Photo C

SENSOR INSTALLATION

(For optional Combine Elevator Side Mount See Pages 16-20)

The sensor should be mounted in the clean grain auger tube in the combine grain hopper. Use the template provided to mark a 5-1/16" x 1-11/16" rectangle on the bottom of the tube about 12 inches from the end of the tube to the center of the hole. The template may then be discarded. Cut this rectangle out carefully to make sure that the sensor block fits tight. **Do not torch cut!** See Photo D.

1.



Photo D

SENSOR INSTALLATION (continued)

- 2. Mark the flighting that sweeps over the sensor hole and disassemble the auger tube from the flighting.
- 3. Locate the marks made on the flighting above the sensor hole and weld the flighting to the auger shaft starting 3/8" beyond each end of the marks.
- 4. Cut approximately six and one-half inches (6-1/2") of flighting out between the welds and smooth out any rough edges on the flighting ends and on the auger shaft. See Photo E. Notice that the flighting is removed all the way to the shaft.

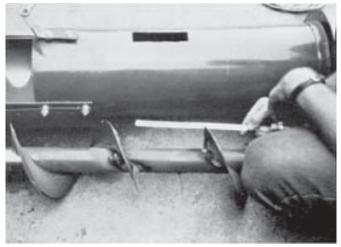


Photo E

OPTIONAL: The flighting cut out may be used to double the flighting thickness on each side of the sensor opening. This is optional and not required.

5. Reassemble the auger tube and check to make sure that the flighting will not hit the sensor blade, inserting the sensor gauge into the sensor hole and rotating the flighting. The flighting should clear the gauge. If not, cut out

additional flighting.

6. Insert the sensor into the tube and secure in place with the hose clamp provided. See Photo F. (Only one hose clamp is now used.)

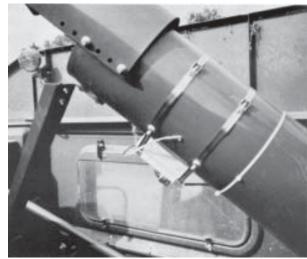


Photo F (New sensors have one clamp)

SENSOR INSTALLATION (continued)

- 7. Use a self drilling screw to attach the ground strap to the auger tube 90 degrees up from the sensor. **See Photo F.**
- 8. Make sure that the sensor is oriented properly in the tube. Note the direction of the grain flowing over the sensor blade.
- 9. Route the sensor cable out of the hopper and to the cab. Use hose clamps to secure the cable to the auger tube if necessary. Use stick-on clips and ties to route the sensor wire from the hopper to the cab. **See Photo G.** A clip-on grommet is provided to seal the cab if a hole must be drilled for entry into the cab. Use a 15/32 inch diameter drill bit for drilling the hole for the grommet.

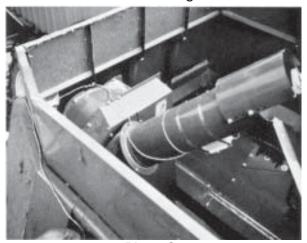


Photo G
(New sensors have one clamp)

NOTE: It is important when routing cable that it is attached securely against something so that the grain being drawn out of the hopper does not pull on the cable, causing loose or broken connections. **See Photo G.**

- 10. Route sensor cable about ten inches through the grommet in the Calc-U-Dri box and cut off excess cable. **See Photo H.**
- 11. Remove about three inches of cable housing and shield and connect the individual wires to the terminal block posts according to the decal. (i.e., black to six, white to seven, blue to eight, red to nine and green to ten.)

 See Photo H.

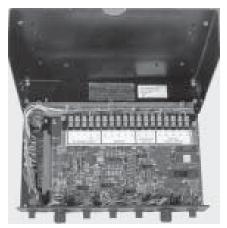
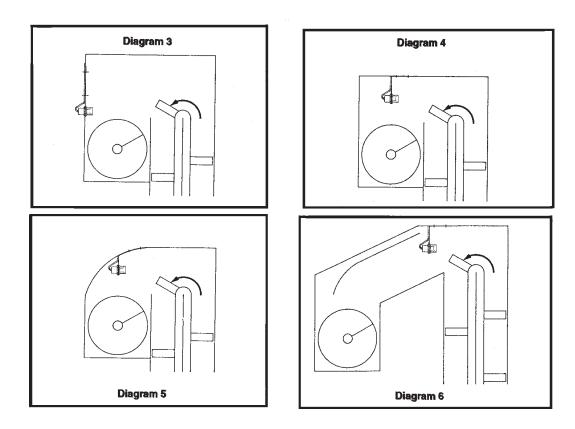


Photo H

NOTE: The cable shield should not be attached in the control box. Prevent shield from shorting out by taping any exposed shield.

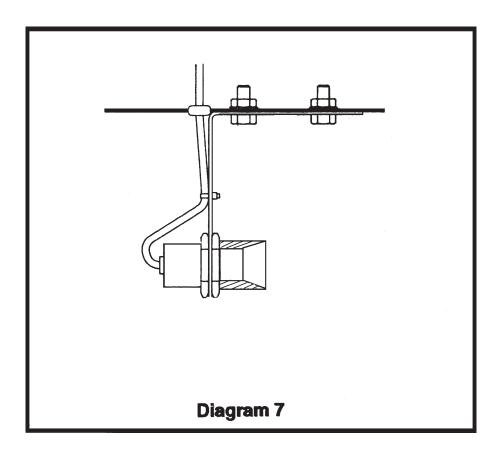
AVERAGING SWITCH INSTALLATION

1. The averaging switch should be mounted in the boot housing of the clean grain auger. so that grain being thrown hits and accumulates on the yellow face of the switch. **See Diagrams 3 - 6.** The switch must be horizontal and facing oncoming grain. Allow clearance for both the auger and elevator, making sure that there will be nothing on the sensor when the elevator empties. The point at which grain hits the boot housing can be determined on used combines by finding where the paint is worn.



- 2. Position the bracket to locate the mounting holes. **See Diagram 3.** Drill a 3/8" diameter hole and a 1-1/8" diameter hole 2-3/4" apart. Attach bracket to the boot housing with 5/16" x 3/4" bolt, lock washer and nut. If bracket is too long to fit in housing, cut off excess length. Put switch through the larger hole and fasten with two nuts supplied. Thread the averaging cup over the switch as shown in **Diagram 7**.
- 3. When mounting the bracket to the top of the boot housing, it must be bent so that the switch is horizontal. **See Diagrams 4 6.** Position the bracket to locate the mounting holes and drill two 3/8" diameter holes two inches apart. Attach the bracket to the top of the boot housing using two 5/16" x 3/4" bolts, lock washers and nuts. Put the switch through the larger hole and fasten with the two nuts and average cup supplied. **See Diagram 7.**

AVERAGING SWITCH INSTALLATION (continued)



- 4. Drill a 15/32" hole through the housing next to the bracket and insert a grommet. Run the cable from the switch through this grommet. Secure the cable to the bracket using a plastic wire tie ran through the two small holes. Make sure the cable is protected from oncoming grain by placing the cable and grommet directly behind the bracket.
- 5. Route the cable out of the hopper and to the cab using stick-on clips and ties. Use a grommet if a hole must be drilled for entry into the cab. Route the sensor cable about ten inches through the grommet into the Calc-U-Dri box and cut off excess cable. Remove about three inches of cable housing and connect the individual wires to the terminal block according to the decal (i.e., black to 11, yellow to 12 and red to 13.) **See Photo H.**
- 6. Close the Calc-U-Dri box and tighten the screws in the front corners. Your Combine Calc-U-Dri is now ready for use.

SAMPLING PROCEDURE

!!CAUTION!!



*Always stop the combine (travel, thresher and unload auger) before getting a sample. Ideally, stop the combine engine! *Be careful when climbing into the grain hopper. Follow the combine manufacturer's recommendations.

The following procedure should be done prior to the hopper auger being covered with grain and should be done when the moisture of the grain is at the level of which you are most concerned:

1. If the meter is changing rapidly, it is possible to have a sample that is either wetter or drier than the meter reading. Waiting for the meter to stay steady will assure you of a more accurate sample.

When readings have been steady and not changing rapidly for a short period of time, stop the combine. Remember the cautions above.

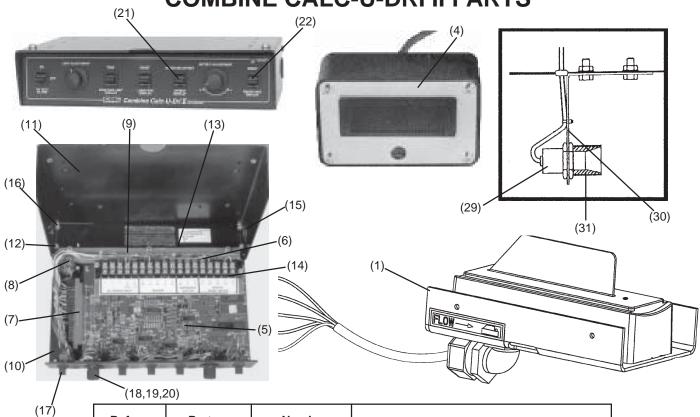
- Collect a sample of grain from the very top layer of grain. (The grain that was being augered into the hopper when the digital panel meter was being read.)
 A clean plastic bag works well to transport this sample to a reliable moisture tester for comparison. Write the Calc-U-Dri reading on each sample bag.
- 3. Take several samples and take their average.
- 4. Set the offset using that average.

In the example below, the unit had a -2.50 offset before sampling. Based on the sampling example, you would now change that to a -2.20.

SOYBEAN SAMPLING EXAMPLE			
Combine Calc-U-Dri	Reliable		
Digital Display	Tester*		
13.2%	13.9%		
13.4%	13.1%		
13.0%	13.2%		
12.9%	13.5%		
Total: 52.5	53.7		
Avg. 13.1%	13.4%		

*The type of tester used at grain elevators or terminals. Hand held units can be used, but under certain ambient conditions, may not be very accurate.

COMBINE CALC-U-DRI II PARTS



1. 602E382 1 Calc-U-Dri Sensor, Complete 2. 602E091 1 Sensor Clearance Gauge (not shown) 3. MS0309 As Req'd Worm Gear Clamp 38" Long (not shown) 4. 602E209 1 Digital Display, Complete 5. 602E359 1 DMC "10" Circuit Board 6. 1EL0901 1 Terminal Block, 18 Post 7. 602E389 1 Harness 8. 1EL1477 1 Alarm, Audible 9. 602E456 1 Filter, EMI 10. 602E388 1 Box Bottom 11. 602E202 1 Box End 12. 602E202 1 Box End 13. 602E203 1 Box Hinge 14. 602E309 1 Bracket - Terminal Block 15. 1EL2046 1 Grommet 16. MS0138 1 Plug 17. 2EL0651 1 Switch DPDT 3-Pos 18.	Reference Number	Part Number	Number Required	Description
	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 25. 26. 27. 28. 29. 30.	602E091 MS0309 602E209 602E359 1EL0901 602E389 1EL1477 602E456 602E388 602E201 602E202 602E203 602E309 1EL2046 MS0138 2EL0651 1EL0921 2EL0672 PT0863 2EL0650 2EL1163 602E206 1EL0719 1EL2022 1EL2112 602E393 602E392	1 As Req'd 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 4 1 1 1 As Req'd As Req'd 1 1	Sensor Clearance Gauge (not shown) Worm Gear Clamp 38" Long (not shown) Digital Display, Complete DMC "10" Circuit Board Terminal Block, 18 Post Harness Alarm, Audible Filter, EMI Box Bottom Box Top Box End Box Hinge Bracket - Terminal Block Grommet Plug Switch DPDT 3-Pos Knob Potentiometer "O" Ring Switch SPDT 3-pos momentary LED Power Harness & Fuse Holder (not shown) Fuse 2 Amp "J" Clip Nylon Tie, 4" Long Averaging Switch Bracket, Averaging Switch

TROUBLE SHOOTING GUIDE

PROBLEM	PROBABLE CAUSE		SOLUTION	
Digital readout dead	1.	Ignition switch is off	1.	Turn on
	2.	Power switch is off	2.	Turn on
	3.	Control fuse (2 Amp) is blown	3.	Replace
	4.	Bad circuit board	4.	Replace circuit board
	5.	Bad digital readout	5.	Replace digital readout
Moisture readings are very high but grain checks dry	1.	Moisture on sensor blade	1.	Dry off the sensor
	2.	Foreign object jammed on sensor	2.	Remove
	3.	Offset accidentally set too high.	3.	Readjust
	4.	Sensor not grounded	4.	Secure ground to the tube strap
	5.	Bad circuit board	5.	Replace circuit board
	6.	High negative temperature	6.	Bad sensor - Replace
Moisture readings do not change, temperature readings are high negative value. (28% moisture with -113° temperature)	1.	Sensor cable is broken or not hooked	1.	Tighten terminal screws
		onto the terminal making a good connection.	2.	Replace sensor
	2.	Bad sensor		

TROUBLE SHOOTING GUIDE (continued)

PROBLEM		PROBABLE CAUSE		SOLUTION
Moisture readings are intermittently high then low	1.	Check for the sensor ground strap not hooked up	1.	Hook up strap
	2.	Sensor cable is damaged.	2.	Replace sensor and cable
	3.	Loose terminal leads	3.	Tighten where sensor leads are hooked to screws.
Moisture readings are consistently high or low	1.	Correct by offset adjustment, refer to control box operation	1.	Adjust
Moisture reading, temperature reading and moisture limit are all reading the same value.	1.	Control board not functioning correctly	1.	Replace control board
Digitial display does not have the green backlight. All digits work okay.	1.	Broken wire or bad LCD	1.	Replace the complete digital display.
Parts of the numbers of one digit missing on the digital display	1.	Bad LCD	1.	Replace the complete digital display
Buzzer does not work	1.	Power switch in the wrong position	1.	Power switch must be down for the buzzer to work
	2.	Defective buzzer	2.	Replace buzzer.

TROUBLE SHOOTING GUIDE (continued)

PROBLEM	PROBABLE CAUSE			SOLUTION
Red LED indicator does not come on at moisture limit setting	1.	Wiring error	1.	Check the 5 wire connections on the terminal for the digital panel meter
"AVG ON" LED does not work	1.	Averaging switch wired incorrectly	1.	Check wiring
	2.	Averaging switch not in flow of grain	2.	Relocate switch
	3.	Averaging switch bad	3.	Replace switch
"AVG ON" LED stays on when out of grain	1.	Object jammed on averaging switch	1.	Remove object
Blowing the control fuse (2 Amp AGC)	1.	DC power wires are crossed	1.	The red wire must be hooked to positive 12 volts. White is hooked to ground.
	2.	Sensor wires damaged and shorted to ground	2.	Replace the sensor and cable.
	3.	Control board failure	3.	Replace the control board

- 1. Never unplug or plug in the circuit board with power on.
- 2. Do not make field adjustments on the circuit board. This is a factory adjustment only.
- 3. On combines where the sensor is mounted in a horizontal tube, the sensor should be removed from the auger tube and the grain cleaned out before storing the combine between seasons.
- 4. Contact your dealer or DMC if you have any questions on the operation or service of your combine Calc-U-Dri Moisture Monitor.

TAKE TIME FOR PROPER INSTALLATION --- IT SAVES SERVICE CALLS!

LIMITED WARRANTY

The DMC Combine Calc-U-Dri II is guaranteed for a period of one year from date of installation to be free of defects in material or workmanship, when properly installed and operated in accordance with the instructions in the Owner's Manual. Warranty parts will be exchanged F.O.B. Mason City, Iowa without charge to the user. Damage resulting from negligence voids the warranty. Warranty does not include labor, installation or delivery of replacement parts.

DMC Factory & Sales/Distribution Centers

DMC Hdqtrs & Factory 1600 12th Street N.E. Mason City, IA 50401 (641) 423-6182

Illiana Dist. Center 515 West Main, Box 557 Oakland, IL 61943-0557 (217) 346-3116 Dakota Dist. Center 3520 9th Avenue S.W.s Watertown, SD 57201 (605) 882-3210

Nebraska Dist. Center 210 South First Street, Box 217 Hampton, NE 68843 (402) 725-3511 Ft. Wayne Dist. Center 310 North Taylor Road Garrett, IN 46738-0030 (219) 357-5767

Southern Dist. Center 11523 Hwy 70 Proctor, AR 72376 (870) 732-4962

COMBINE CALC-U-DRI OFFSET RECOMMENDATIONS

The Combine Calc-U-Dri can be used with various grains by calibrating the moisture offset. After determining an offset value for a particular grain and grain condition, log the offset value on the following chart for future reference. A few grains and approximate offset values are already listed to assist with your initial calibration.

GRAIN TYPE	OFFSET	NOTES	YOUR CALIBRATION
Corn	+0.0%	18-28% Moisture	
Soybeans	-2.5%	10-15% Moisture	
Wheat	-1.5%	9-15% Moisture	
Milo	-1.0%	12-18% Moisture	
Barley	-0.5%	10-18% Moisture	
Oats	-0.5%	10-18% Moisture	
Other			

Installation of The Combine Elevator Side Mount Grain Sampler Model 5049042 (R.H.) for most U.S. combines and

Model 5049043 (L.H.) for New Holland and imported combines

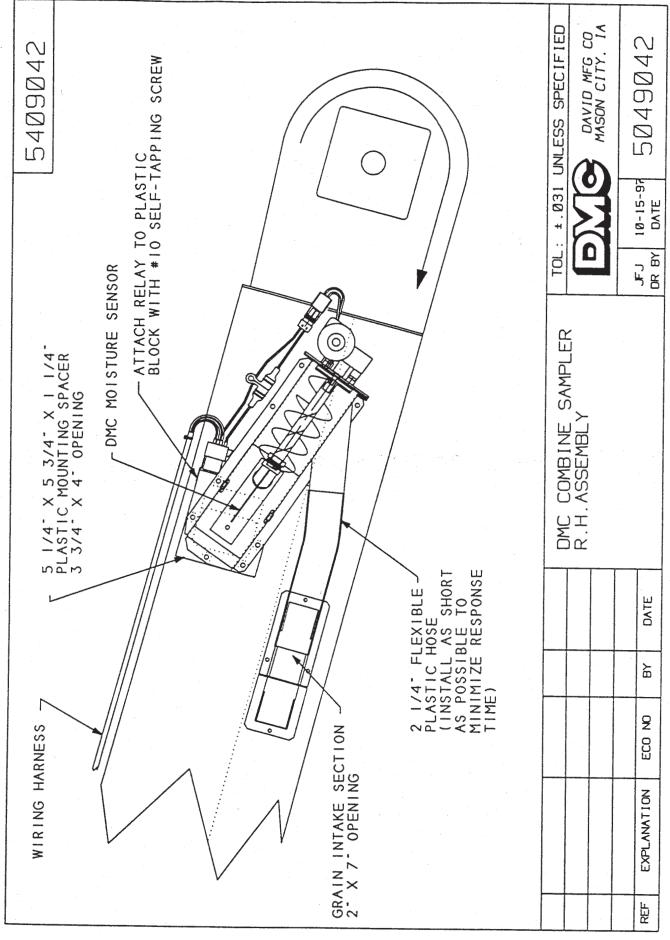
NOTE: An additional kit (5049051) must be used with 5049042 for installation on Case 2188 & 2388 combines.

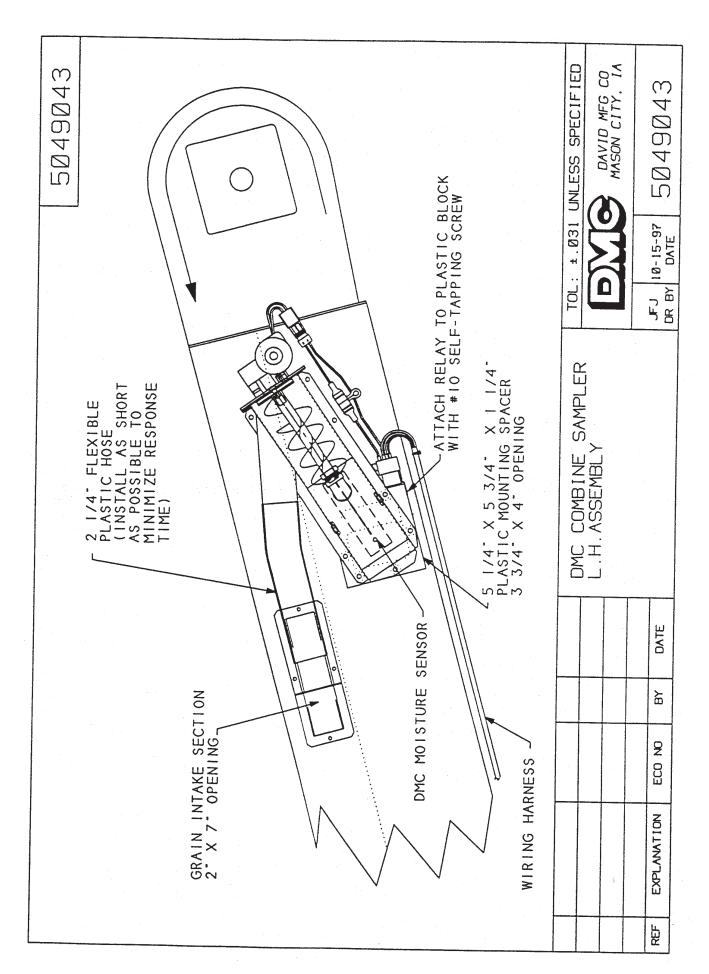
The grain sampler is designed to fit on the side of the clean grain elevator of most combines and provide an accessible location for the Calc-U-Dri moisture sensor. The intake housing will fit on the "up" side of the elevator and the auger housing will empty back into the "down" side of the elevator. (The auger housing should be mounted at an angle of 30° or more from vertical so that the grain does not have to be pushed up a steep angle). A piece of 2-1/4" diameter flexible hose, 15 inches long is provided, but this hose should be cut as short as possible during the installation. (A shorter hose will provide a quicker response to changing grain moisture levels.)

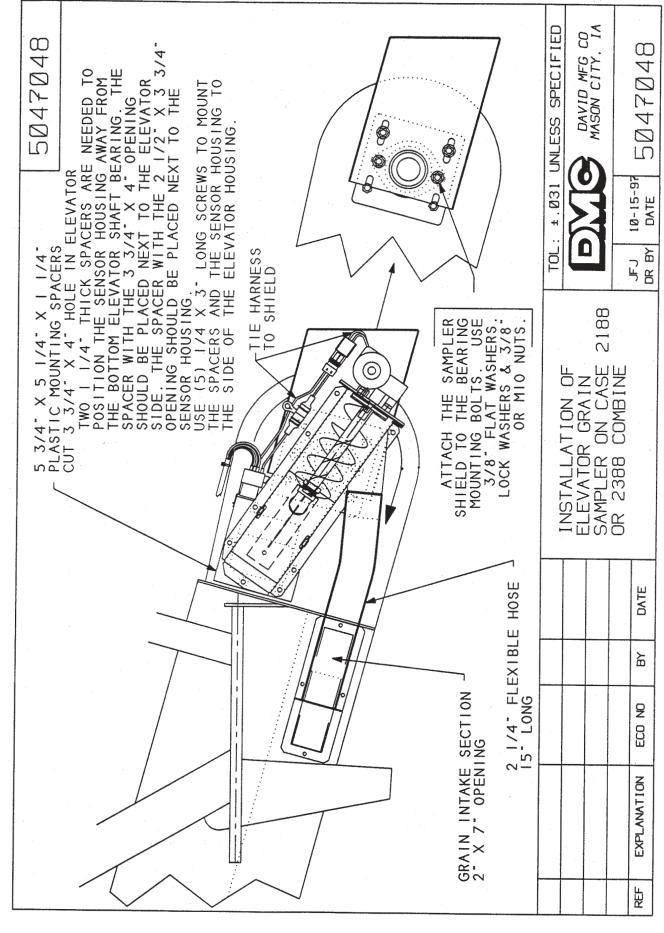
- 1. Locate an area of the elevator that the intake and auger housing will fit and determine the length of 2-1/4" hose needed. Cut the hose to this length and slip it onto both the intake and auger housing.
- 2. Use the metal spacer as a template to mark the 4 mounting holes and the 2" x 7" hole to be cut in the "up" side of the elevator. Use the black plastic spacer to mark the mounting holes and the 3-3/4" x 4" hole in the "down" side of the elevator.
- 3. Use a saw to cut the 2" x 7" and 3-3/4" x 4" holes in the elevator. Be careful not to cut into the elevator paddles.
- 4. Drill the mounting holes for the intake housing 3/16" diameter and install (4) #8 x 3/4 screws and nuts as studs in the "up" elevator side. Place the steel plate spacer over the #8 screws & nuts and assemble the intake housing to the elevator with #8 nuts.
- 5. Drill the mounting holes for the auger housing 9/32" diameter and install (5) 1/4 x 2 screws and nuts as studs in the "down" elevator side. Place the plastic spacer over the screws and nuts and assemble the auger housing to the elevator with 1/4" nuts.
- 6. Attach the relay in the wiring harness assembly to the plastic spacer block with a #10 self-tapping screw and connect the wiring harness to the auger drive motor wires. Route the harness to the combine cab being careful to avoid pinch points and moving parts that could cut into the wires. The white wire should go to a chassis ground (negative) and the red wire should go to 12 volts (positive) power. The best source would be a circuit capable of 20 amps that is switched "on" when the ignition switch is either "on" or in the "accessory" position. Note: The auger motor in the combine sampler is protected with 15 amp AGC fuse.
- 7. The white with red striped wire provides a low current (.13 amp) positive 12 volt signal to the relay in the wiring harness. It should be connected to a +12 volt power supply that can be switched "on" or "off" to control the auger motor in the combine sampler.
- 8. The sensor housing is designed for a DMC Calc-U-Dri moisture sensor which is held in place with 2 latches. The sensor ground wire should be attached to the flange of the housing with a #10 self-tapping screw. Note: When the left-hand model #5049043 is used on New Holland combines, some shielding may have to be modified to provide clearance for the Calc-U-Dri sensor.

Combine Elevator Grain Sampler Parts List

405L004	Decal, "Disconnect power before servicing"
5041332	Auger motor with wiring connector
5041333	Intake housing
5041338	Intake housing spacer
5041339	Auger/sensor housing, R.H.
5041340	Auger/sensor housing, L.H.
5041344	Auger motor mounting plate
5041345	Wiring harness assembly
5041346	Auger motor mounting spacer
5041348	Auger/sensor housing bottom, R.H.
5041349	Auger/sensor housing bottom, L.H.
5041353	Auger/sensor housing plastic spacer, R.H.
5041354	Metering auger
5041356	Slide gate
5041357	2-1/4" flexible hose 15" long
5041358	Metering auger drive plate
5041359	Auger/sensor housing plastic spacer, L.H.
5041391	Auger/sensor housing plastic spacer (used for Case 2188 & 2388 combines)
5041399	Sampler shield (used for Case 2188 & 2388 combines)
	5041333 5041338 5041339 5041340 5041345 5041345 5041348 5041349 5041353 5041354 5041356 5041357 5041358 5041359 5041391







OWNER'S MANUAL



COMBINE CALC-U-DRI II With Averaging

A Grain Moisture Monitor for "On-The-Go" Monitoring

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