

CC1200 Production / Industrial Hose Crimper



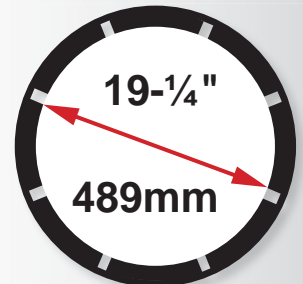
The CC1200 Series hose crimper with the Patented ACT™ Controller and 485 tons of crimping force has the capability to crimp from 4" through 12" industrial hose.

UNIQUE USER FRIENDLY PATENTED ACT™ CONTROLLER

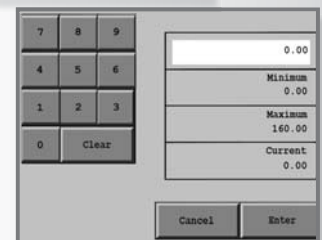
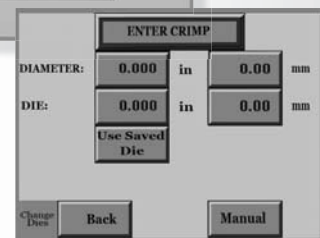
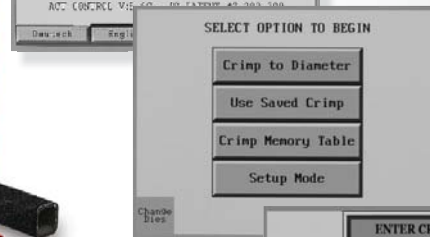
- Fully adjustable crimp to diameter.
- Production capabilities.
- Pressure Compensation uses pressure to eliminate "trial and error".
- Memory capacity for accurate repeatability.
- Automatically converts inch to mm and mm to inch so that no calculation is ever required.



Quick Release Push Button: Unique 4 finger die system features a quick release die button.



Max Head Opening W/O Dies: Can accommodate 12" 150 lbs SAE flange.



CC1200 CRIMPER OPERATORS MANUAL WITH ACT™ CONTROLLER



SAFETY PRECAUTIONS



SAFETY PRECAUTIONS



- READ INSTRUCTIONS AND IDENTIFY ALL COMPONENT PARTS BEFORE USING CRIMPER.
- CRIMPER CC1200 CAN PRODUCE 485 TONS OF CRIMPING FORCE.
- KEEP BOTH HANDS AWAY FROM PINCH POINTS.
- CONSULT HOSE AND FITTING MANUFACTURER FOR CORRECT MACHINE SETTINGS AND CRIMP MEASUREMENTS.
- ALWAYS WEAR EYE PROTECTION.



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CC1200 Production / Industrial Hose Crimper



COMPONENT PARTS & TECHNICAL DATA

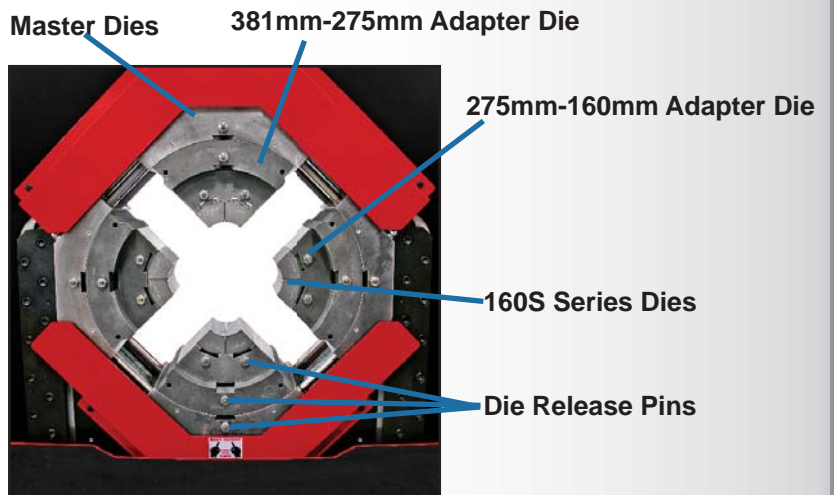


Technical Data
485 Ton
*Industrial: From 4" up to 12"
Crimper Size: L: 54" x W: 62" x H: 86"
Power Unit Size: L: 28" x W: 33-½" x H: 45"
Weight: 6,185 lbs
Power: 7.5HP/230V/3Phase (Standard) 7.5HP/440-480V/3Phase (Optional) 5HP/230V/1Phase (Optional)
Adjustability: Inch / Metric
Dies series: 160S / 275S / 381S
Opening w/o dies: 489mm / 19-¼"
Master die travel: 152mm / 6"
Reservoir capacity: 45 US Gallons
Oil type: ISO 46 Hydraulic Oil

*Crimper capacity is estimated based on typical 1-piece fitting. Actual results may vary depending on the hose and fitting manufacturer.



Cabinet Storage Shelves



275mm-160mm Adapter Die



381mm-275mm Adapter Die

CC1200 Production / Industrial Hose Crimper



INITIAL SET UP & MAINTENANCE

INITIAL SET UP:

Check electrical circuit to be certain that it matches the crimper requirements shown on the tag attached to the crimper cord.

DO NOT RUN CRIMPER ON AN EXTENSION CORD.

Check to be certain that the motor rotates in the direction of the arrow shown on the motor housing. If motor rotation is opposite of the direction of the arrow, reverse any two hot wires in the electrical plug.

Damage to the pump can result if the motor does not rotate in the correct direction.

Check the oil level in the sight glass on the tank. 50 U.S. gallons of ISO 46 hydraulic oil are required to completely refill the tank.

Oil can be drained from either of the two ports at the bottom of the tank.

An additional oil cooler, while not normally required, can be plumbed into the two ports at the rear of the crimper.

LUBRICATION:

Lubricate the crimping head after each 100 crimping cycles or at the start of each shift if the crimper is used in a production setting.

Use CRIMPX Die Lubricant Grease or a high pressure moly-di-sulfide grease and a grease gun with a flush fitting adapter.

Failure to lubricate the crimper can cause premature failure, loss of accuracy and may result in costly repairs to the crimper.

- Bring the master dies to the fully closed position, and lubricate the master dies through the 8 holes in the protective plates as illustrated in Photo "A".
- With the dies still in the fully closed position lubricate the fittings visible through the 2 bottom lubrication holes in the protective plate of the crimper as shown in Photo "B".

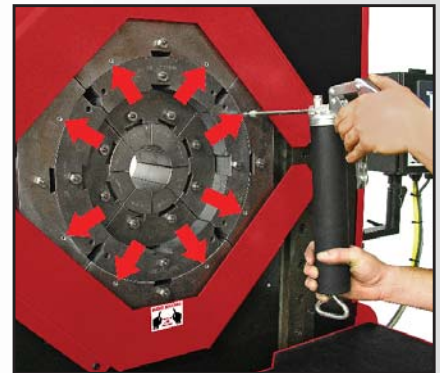
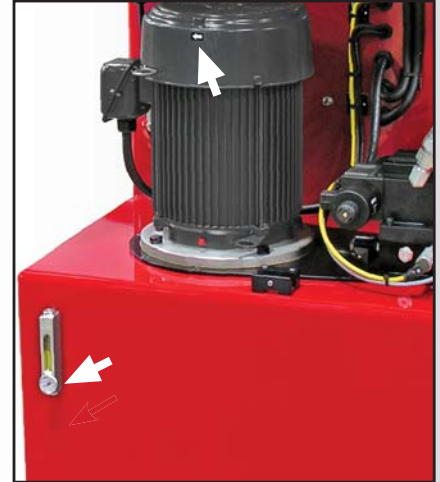


Photo "A"

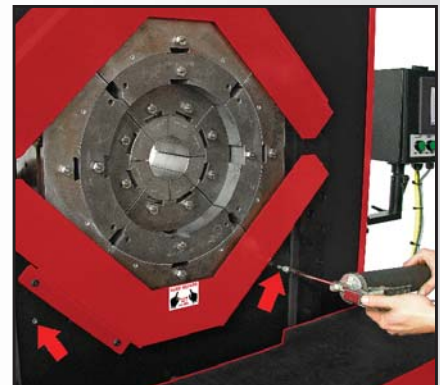


Photo "B"

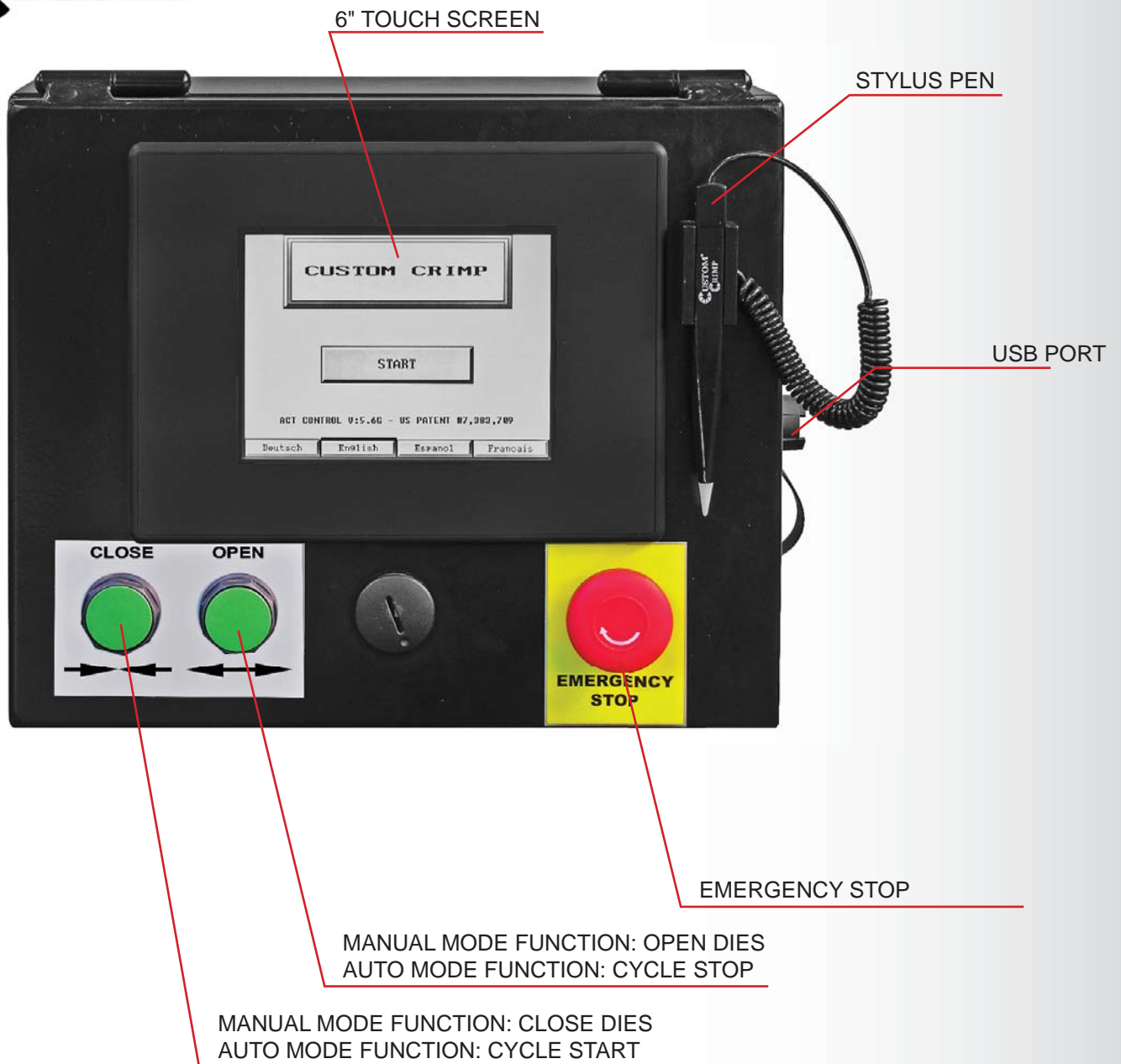
Flush Fitting Adapter



CC1200 Production / Industrial Hose Crimper



AccuCrimp ACT™ CONTROL PANEL



NOTE:

IF THE CRIMPER IS IN **MANUAL MODE**, THE GREEN OPEN/CLOSE BUTTONS WILL OPEN AND CLOSE THE CRIMPER HEAD.

IF THE CRIMPER IS IN **AUTO MODE**, THE BUTTONS FUNCTION AS CYCLE START AND CYCLE STOP BUTTONS.

IF THE CRIMPER IS IN **SEMI-AUTO MODE**, PRESSING THE FOOT SWITCH OR THE CLOSE BUTTON WILL CLOSE THE CRIMPER HEAD AND RELEASING WILL HALT THE CLOSING ACTION.

Products covered by all or some of these Patents:
US 7,383,709; US 8,230,714; EP 1,909,987 and Patents Pending.

CC1200 Production / Industrial Hose Crimper



AccuCrimp ACT™ CONTROL PANEL QUICK START

While the ACT™ crimper has the ability to perform a number of fully automatic functions, manual operation is also possible. To make a manual crimp, two numbers are needed:

The closed diameter of the die (in either inches or mm).

The finished crimp diameter (in either in or mm)
That's all you need to know. ACT™ does the rest.

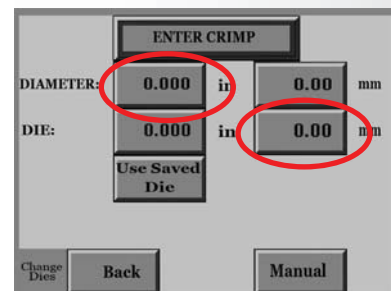
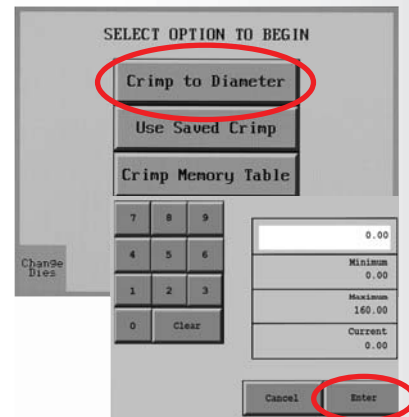
TO MAKE A MANUAL CRIMP:

- Press **START** Button.
- Select **CRIMP TO DIAMETER**.
- Enter the closed diameter of the die set in either in or mm and press **ENTER**. *Note: for a 25mm die, enter 2500. ACT™ will add the decimal point.*

Decimal point entry:
*For 1.56 inch entry, enter 1560 (Controller supplies 3 places for entries in inches).
For a 50.0 mm entry, enter 5000 (Controller will supply 2 decimal places for entries in mm).*

- Enter the finished crimp diameter and press **ENTER**.
- From the **ENTER CRIMP** screen, press the **MANUAL** button to put the crimper in manual mode.
- Confirm that the die and finished crimp diameters are correct and that **MANUAL MODE** is displayed.
- Press and hold the green **CLOSE** button until the crimper stops closing.
- Check the final crimp diameter. If a minor correction is required see [HOW TO MAKE MINOR CORRECTIONS](#).

*Tip: Pressing the **CHANGE DIES** button allows the crimper head to be fully opened or closed with the green **OPEN-CLOSE** buttons on the controller front panel. When the **CHANGE DIES** button is blinking the dies can be opened and closed manually without altering any of the crimper settings.*





AccuCrimp ACT™ CONTROL PANEL QUICK START

HOW TO MAKE MINOR CORRECTIONS

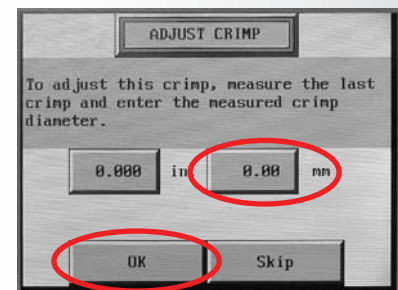
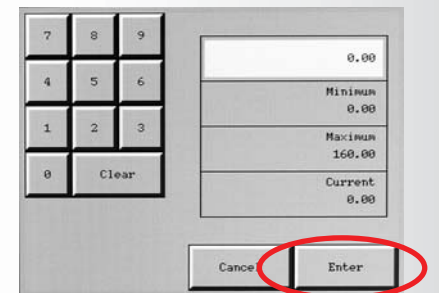
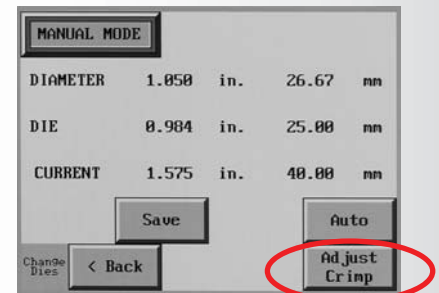
• Due to variations in hose and fitting tolerances a minor crimp adjustment may be required if the measured diameter of the final crimp is not within the hose and fitting manufacturer's specifications. ACT™ technology makes minor corrections a simple process which requires no addition or subtraction.

If the finished crimp diameter is not within the required specifications:

- Press the **ADJUST CRIMP** button.
- Enter the measured diameter of the fitting in either inches or mm (***Do not enter the amount of correction***) and press **ENTER**.
- Press **OK**.
- Make another crimp and verify that the fitting is within specifications.

EXAMPLE: *If the hose and fitting manufacturer specifies that the finished crimp should measure 1.500 to 1.520 and the measured crimp diameter was 1.530, simply enter the measured diameter (1530 - Controller will supply 3 decimal places) and press **SAVE**. The finished crimp diameter can be entered in either in or mm and ACT™ will make the conversion.*

While a single correction will usually bring the hose and fitting into specifications, the process can be repeated as many times as is required.





AccuCrimp ACT™ CONTROL PANEL QUICK START

HOW TO ADD A SAVED DIE

Up to 50 different dies can be saved in the computer memory. These dies can be recalled in the set up process eliminating the need to re-enter the die size each time.

To enter a saved die:

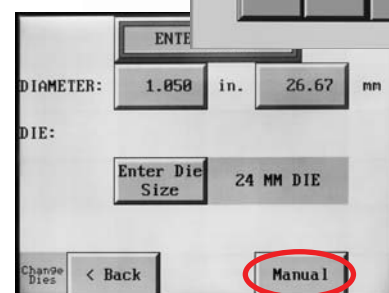
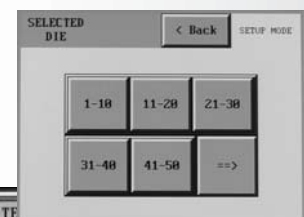
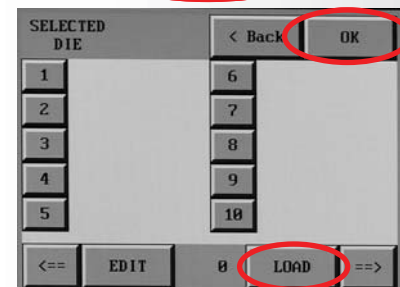
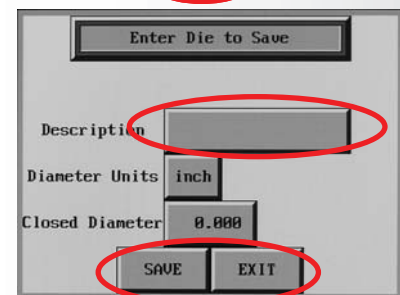
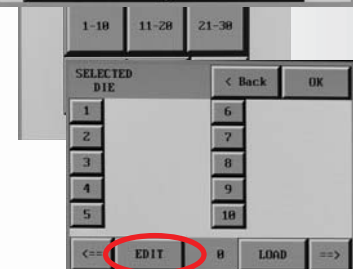
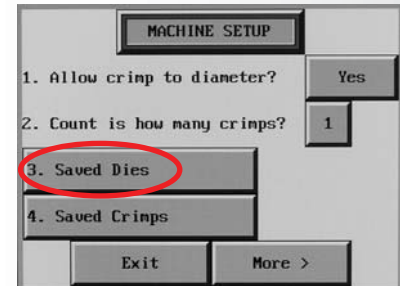
- From the **OPTION** screen, press **SETUP MODE**.
- Select **SAVED DIES**.
- Select the save position (1-50) where the die is to be saved and press the **EDIT** button.
- Enter a die description (up to 12 alpha/numeric characters).
- Enter diameter units (inch or metric).
- Enter the closed diameter of the die.
- Press **SAVE** and **EXIT**.
- The saved die will now appear on the **SELECTED DIE** screen. From this screen individual dies can be cleared or edited.

HOW TO RECALL A SAVED DIE

- Select **CRIMP TO DIAMETER**, and from the **OPTION** screen, select **USE SAVED DIE**.
- Select the saved die (1-50) and press **LOAD** and then **OK**. The die parameters will now be used for the crimp process.

From the **ENTER CRIMP** screen press **MANUAL**.

- The saved die will now be shown on the crimp parameters screen.

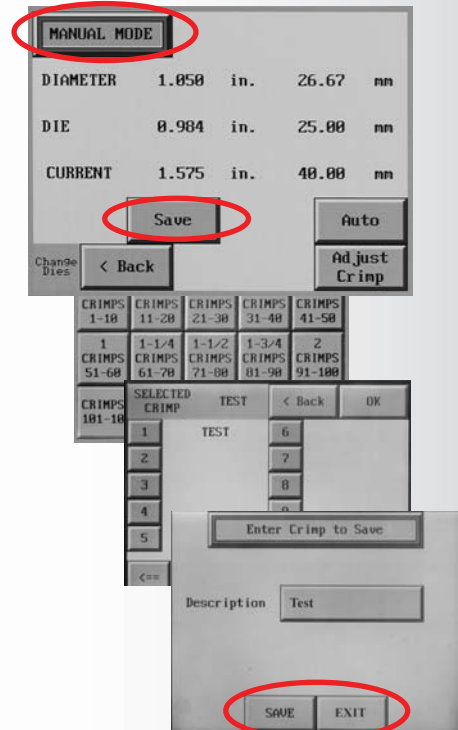




AccuCrimp ACT™ CONTROL PANEL QUICK START

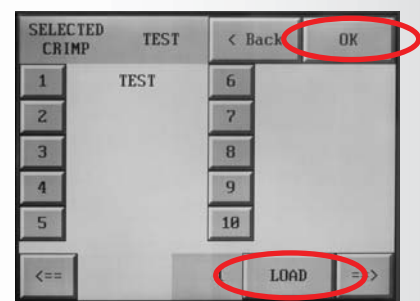
HOW TO ADD A SAVED CRIMP

- Adjust the die diameter and crimp diameter as required and place the crimper in **MANUAL** mode.
- Press **SAVE**.
- Select a location (1-100) and press **EDIT**.
- Enter a description (up to 12 characters).
- Press **SAVE** and **EXIT**.
- The die and crimp setting can now be recalled from the saved location as required.



TO RECALL SAVED CRIMP

- Select **USE SAVED CRIMP** from the option screen.
- Select a previously saved crimp from location 1-100.
- Press **LOAD**.
- Press **OK**.
- The saved crimp will appear on the manual screen.





AccuCrimp ACT™ CONTROL PANEL QUICK START

FULL AUTO MODE

With the crimper in **FULL AUTO** mode additional functions are available:

- The crimper will cycle automatically from the **CRIMP** button on the touch screen, the green **CYCLE START** button on the panel, or the foot switch.
- To set the position to which the dies will retract, close the crimper to the desired retract position prior to pressing the **FULL AUTO** button.

Note: The retraction position must be set a minimum amount above the finished crimp diameter or the crimper will not retract. The minimum retraction diameters are:

- CC38 - Crimp Diameter plus 2 mm
- CC4-50 - Crimp Diameter plus 2 mm
- CC60 - Crimp Diameter plus 3 mm

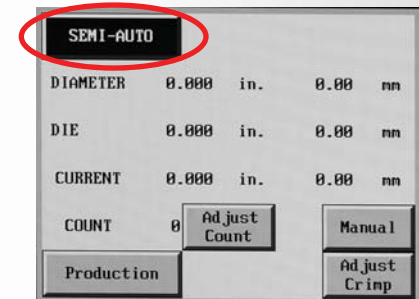
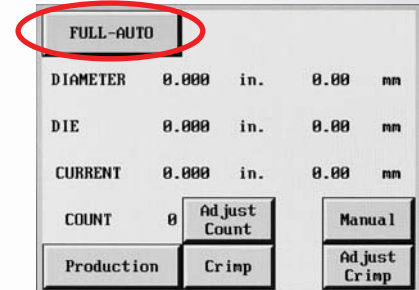
- Pressing the **FULL AUTO** button will toggle the crimper into **SEMI-AUTO** mode. In **SEMI-AUTO** mode, pressing the **FOOT SWITCH** or the **CLOSE** button will close the crimper head and releasing it will cause the head to stop closing. This mode allows the crimper to be jogged into position allowing more precise positioning of a fitting in the dies. Pressing the **SEMI AUTO** button will toggle the crimper back to **FULL AUTO** mode

In **FULL AUTO** mode pressing the foot switch will start the crimp cycle and the dies will stop closing when the crimp cycle is complete.

- The **COUNT** function is activated allowing the operator to monitor the number of crimps made.
- A measurement can be required after a preset number of crimps. See **SET REQUIRED MEASUREMENT**

SET REQUIRED MEASUREMENT

- Press the **PRODUCTION** button.
- Determine if 1 or 2 crimps will count as a crimp
- Toggle the **CRIMP ADJUSTMENT REMINDER** to **ON**.
- Set the **COUNTS BETWEEN CRIMP MEASUREMENTS** to the desired number and press **OK**.
- At the set interval, the **ADJUST CRIMP** screen will come up and the operator will be asked to measure the last crimp and enter a correction if required.



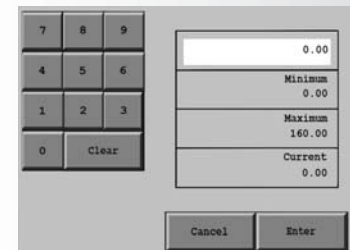
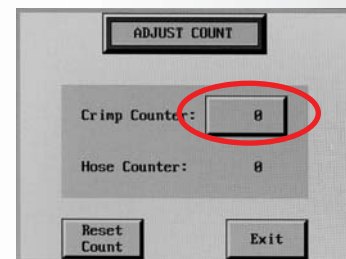
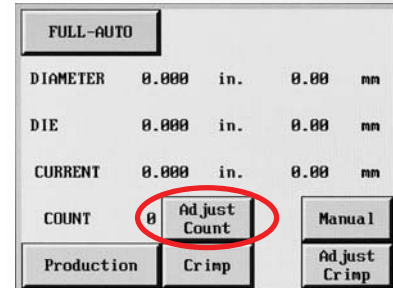


AccuCrimp ACT™ CONTROL PANEL QUICK START

ADJUST CRIMP COUNT

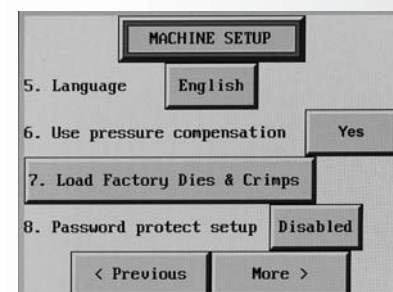
If a production operation is interrupted for some reason, it is possible to reset the counter to where the operation was at the point of interruption.

- Press the Adjust Count button from the auto crimp screen.
- Press the Crimp Counter and reset the count to the desired point.



ACT™ ADDITIONAL FEATURES

- Additional features and functions of the ACT™ controller can be accessed by pressing the **MORE** button on the **MACHINE SET UP** screen.
- When “Allow Crimp to Diameter” is set to “**YES**”, all of the adjustment functions of the crimper are available. When “Allow Crimp to Diameter” is set to “**NO**” only the settings entered as a saved crimp can be used.
- English or Spanish language options are available.
- The “Use Pressure Compensation” is set to “**YES**” for all crimpers equipped with a pressure transducer. A security code is required to turn this function on or off.





AccuCrimp ACT™ CONTROL PANEL QUICK START

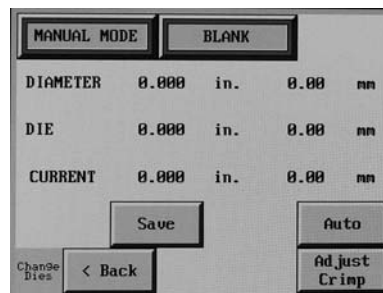
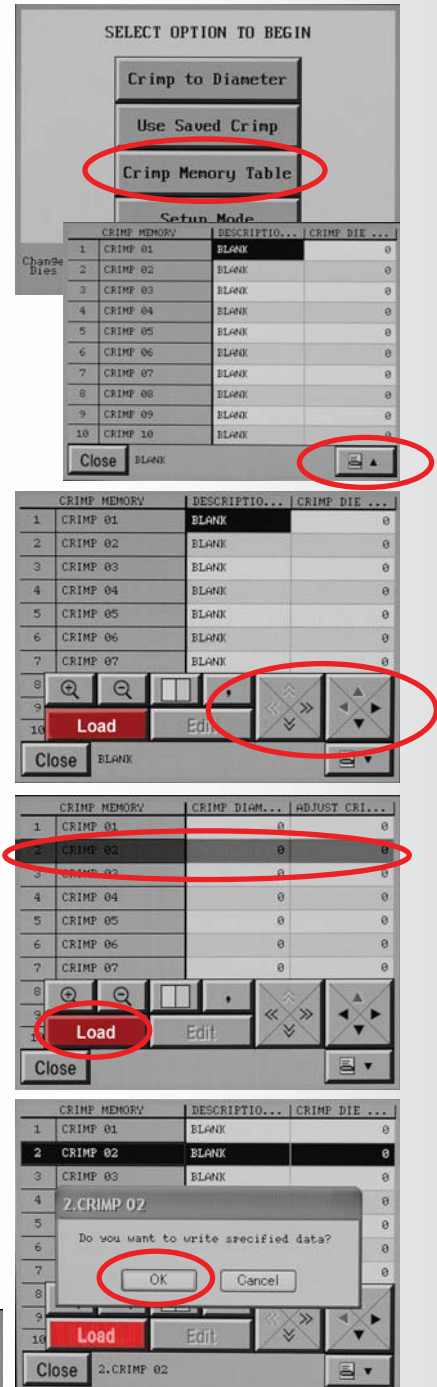
ACT™ ADDITIONAL FEATURES

Pre-Loaded Crimp Specifications

In addition to the ability to store up to 50 user entered dies and 150 user entered crimp settings, the ACT™ Controller has the capability of accepting pre loaded manufacturer's crimp specifications.

CustomCrimp® does not maintain these specifications as they are proprietary to the individual hose and fitting manufacturer. If, however, your ACT™ Controller was pre loaded with a manufacturer's crimp specifications or if they are available to you, they are accessed in the following manner:

- Press the Crimp Memory Table Button.
- Press the access button to bring up the stored crimp specifications.
- Scroll through the crimp specifications to select the correct one. The right hand rocker button moves through the crimp specs one line at a time and the left hand rocker button moves one screen at a time.
- When the correct crimp specification is selected, press the highlighted selection and then the Load button and select OK to write the data to the ACT™ Controller.
- This will bring up the familiar crimp screen and the crimper can then be operated in the normal manner.



CC1200 Production / Industrial Hose Crimper



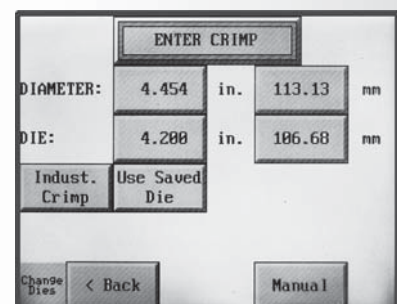
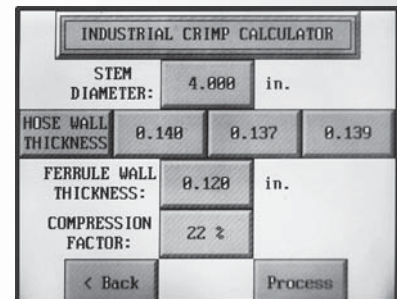
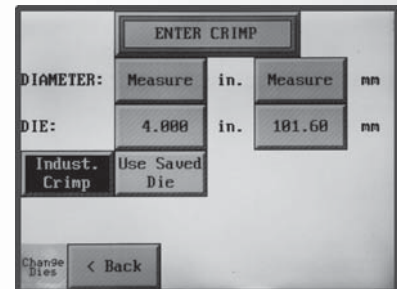
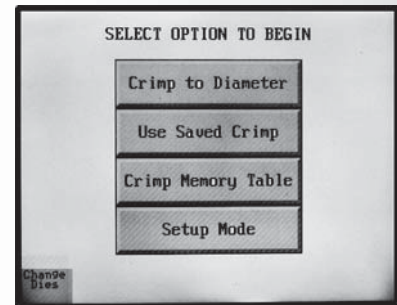
INDUSTRIAL CRIMP CALCULATOR

The Industrial Hose Crimp Calculator is part of the ACT™ controller package on many Custom Crimp® crimpers capable of crimping industrial hoses. With a few simple measurements, it takes the guess work out of industrial hose crimping and eliminates the need for charts and graphs.

Note: Not all ACT™ controllers have the Industrial Crimp Calculator software. Contact your sales specialist for information on a specific crimper.



- Press the **CRIMP TO DIAMETER** button.
- Press the **INDUSTRIAL CRIMP** Button.
- Press **MEASURE**.
 - If the hose diameter is known or a pi tape is being used, enter the hose O.D.
 - If hose O.D. is not known, press **MEASURE** for wall thickness options.
- Measure the wall thickness of the hose. Press the right arrow and take 2 more measurements of the hose wall thickness.
- The Industrial Crimp Calculator will average the three measurements.
- Enter the stem diameter of the fitting. For example: If the stem diameter is 4 inches, you would enter 4000 and the ACT™ controller would supply the decimal place.
- Measure and enter the wall thickness of the ferrule.
- Next enter a compression factor. While this can vary depending upon the specific hose and manufacturer, the following guidelines are a starting point:
 - Standard Industrial hose (approximately 1/4 inch wall thickness): 22%
 - Standard lay flat hose: 11%
- *Note: Contact your hose and fitting manufacturer for the compression factor to use on a specific hose and ferrule,*
- Press **PROCESS** and enter the die diameter if you have not already done so.
- Select and install the correct die set for the combination of hose and fitting being crimped.
- Press **MANUAL** and proceed to crimp the hose.



CC1200 Production / Industrial Hose Crimper



ADAPTER AND DIE INSTALLATION

ADAPTER DIE INSTALLATION:

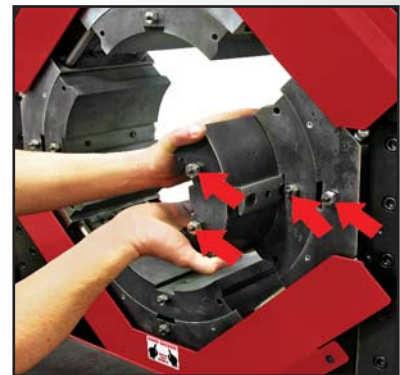
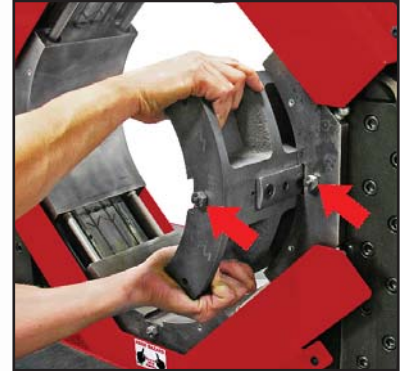
381MM to 275MM and 275MM to 169MM die adapters are available. With the proper combination of dies and adapters industrial hoses from 3 IN to 12 IN can be crimped. Adapter dies as well as crimping dies are removed and installed by pressing the release pins (Red Arrow) and sliding the adapter or the die horizontally out of the crimper.

The I.D. of intermediate adapter dies must match the O.D. of the corresponding adapter die or accurate crimps can not be made.

TWO ADAPTER SERIES ARE AVAILABLE:

The 381S dies will fit the Master Die contour without adapters. A 381MM to 275 MM adapter is required for the 275S dies, and the 275 MM to 160 MM adapter will fit into the 381 MM to 275 MM adapter for the 160S dies. All dies and adapters slide in and out from either side with the press of the release button. Die options are shown in the table below with "standard" dies shown in yellow.

Industrial Die Sizes		160S Die	275S Die	381S Die
Die Size	Effective Crimp Range (MM)	Die Length (MM)		
74 MM	74-78			
78 MM	78-83			
84 MM	84-92	130		
92 MM	92-100	130		
100 MM	100-108	130		
108 MM	108-116	130		
114 MM	114-122	130		
116 MM	116-124	130		
118 MM	118-124	130		
126 MM	126-134	130		
135 MM	135-143	130		
166 MM	166-178		205	
178 MM	178-190		205	
190 MM	190-202		205	
215 MM	215-245		205	
245 MM	245-275			203
281 MM	281-310			203
310 MM	310-345			203





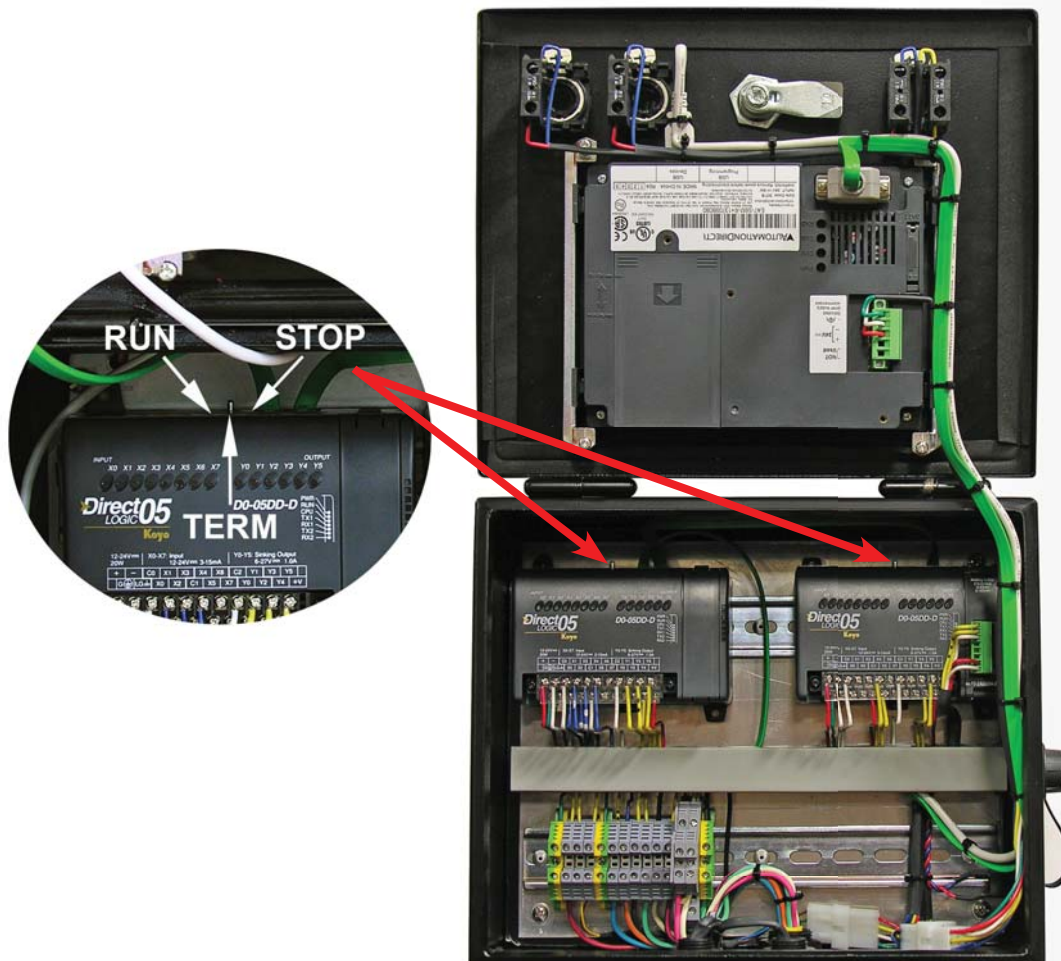
PLC RESET PROCEDURE

PLC RESET PROCEDURE:

The PLC (Programmable Logic Controller) requires a relatively constant source of electrical power. Power surges, outages or drops in power can cause the PLC to lose its settings. This may result in missing or misplaced information on the controller screen.

RESETTING THE PLC TO ITS ORIGINAL SETTINGS IS A SIMPLE PROCEDURE:

- Open the front of the Control Panel.
- Power up the crimper from the main power switch. The crimper must be powered on during the PLC reset procedure.
- Move the three position toggle switch on top of the PLC right to the STOP position and then left to the RUN position.
- Return the toggle switch to the center TERM position.
- Repeat for the other PLC Unit.
- Cycle the main power off and back on.
- The PLC and the crimper should now operate normally.
- Close the control panel.





TROUBLESHOOTING

PROBLEM: CRIMPER WILL NOT RUN AT ALL

- Check the E-Stop switch to be certain that it is not depressed. A slight twist is required to release switch after it has been depressed.
- PLC (Programmable Logic Control) must be reset. See instructions on the previous page.

PROBLEM: CRIMPER RUNS BUT IS SLOW OR NON-FUNCTIONAL

- Check supply voltage to see that it matches the voltage specified on the tag attached to the crimper. Many performance problems are the result of low voltage or inadequate electrical service.
- Check motor rotation and be certain that the motor rotates in the direction of the arrow on the motor housing. For three phase units rotation can be reversed by switching any two wires in the plug.

PROBLEM: CRIMPER WILL CLOSE ON FITTING BUT DOES NOT DEVELOP POWER TO COMPLETE THE CRIMP

- Check oil level. Position dies to the fully open position and check oil sight gage in rear of machine. Be sure the oil level is in the middle of the sight glass. Use ISO 32 or 46 weight hydraulic oil.

PROBLEM: CRIMPER WILL NOT OPEN TO RETRACT POSITION IN AUTO MODE

- Retract position must be at least 3 mm larger than the final crimp diameter.

If problem (s) persist contact Customer Service for additional troubleshooting assistance.

CC1200 Production / Industrial Hose Crimper



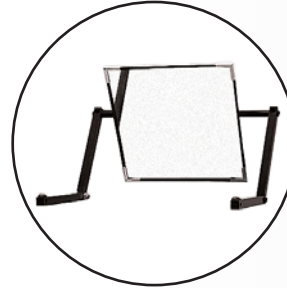
CC1200 REPLACEMENT ACCESSORIES



6" Touch Screen Panel
P/N:102600-ACT



CC-Foot Switch
P/N:CC-FOOTSWITCH



CC-Mirror
P/N:103471



Industrial Die Shelf
P/N:103572



Mini Grease Gun w/ CRIMPX Die
Lubricant 3 oz mini grease tube
P/N:103889



CRIMPX Die Lubricant 3 oz mini
grease tube P/N:103887



CRIMPX Die Lubricant 14 oz
large grease tube P/N:103888



Industrial Hose O.D Tape
(Pi Tape) P/N:103901



CustomCrimp® Notched Digital
Caliper IN/MM P/N:CC-Caliper



Adapter Die Set 275mm OD
to 160mm ID P/N:104480

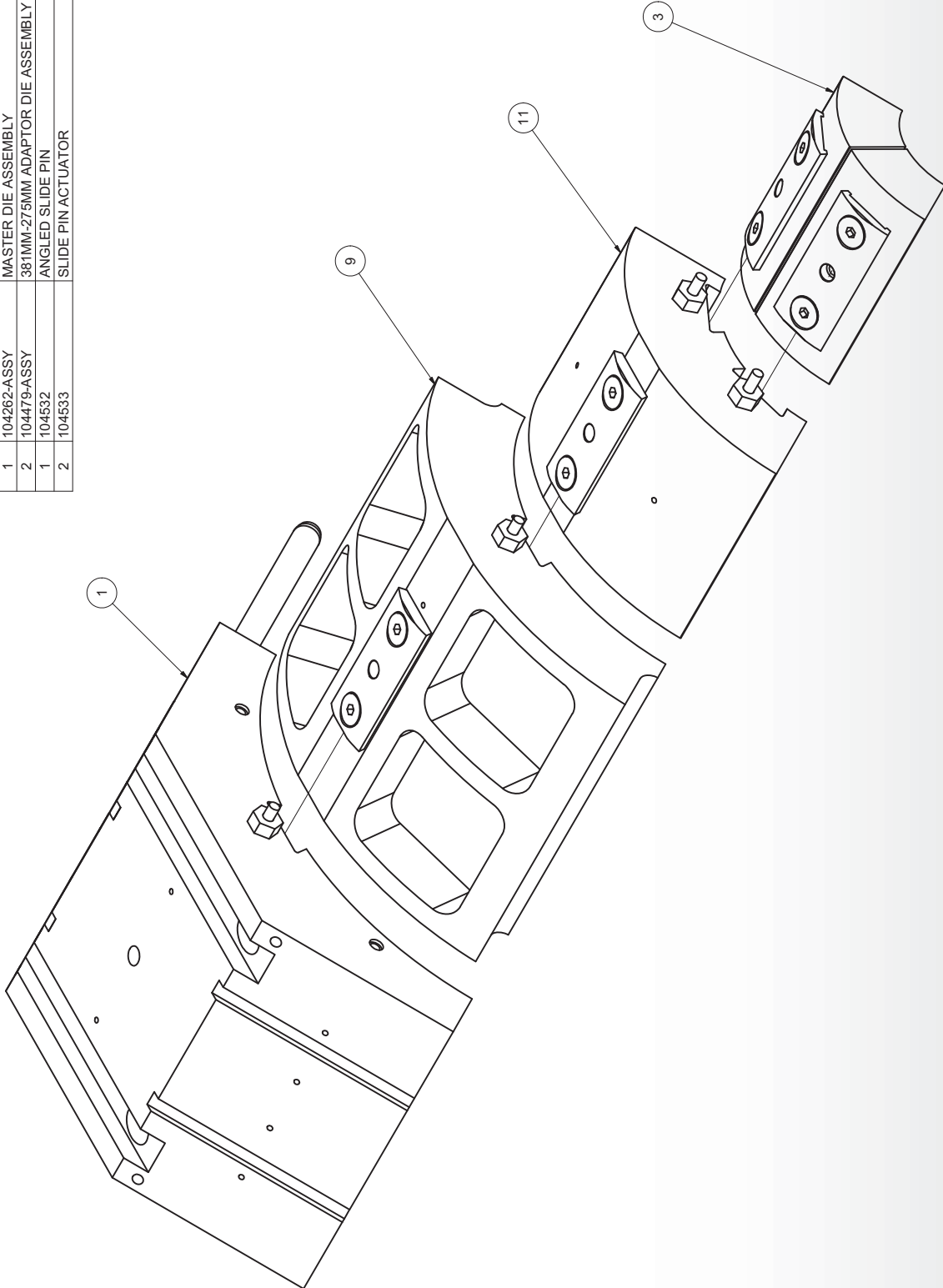


Adapter Die Set 381mm OD
to 275mm ID P/N:104479



COMPONENT PARTS BREAKDOWN

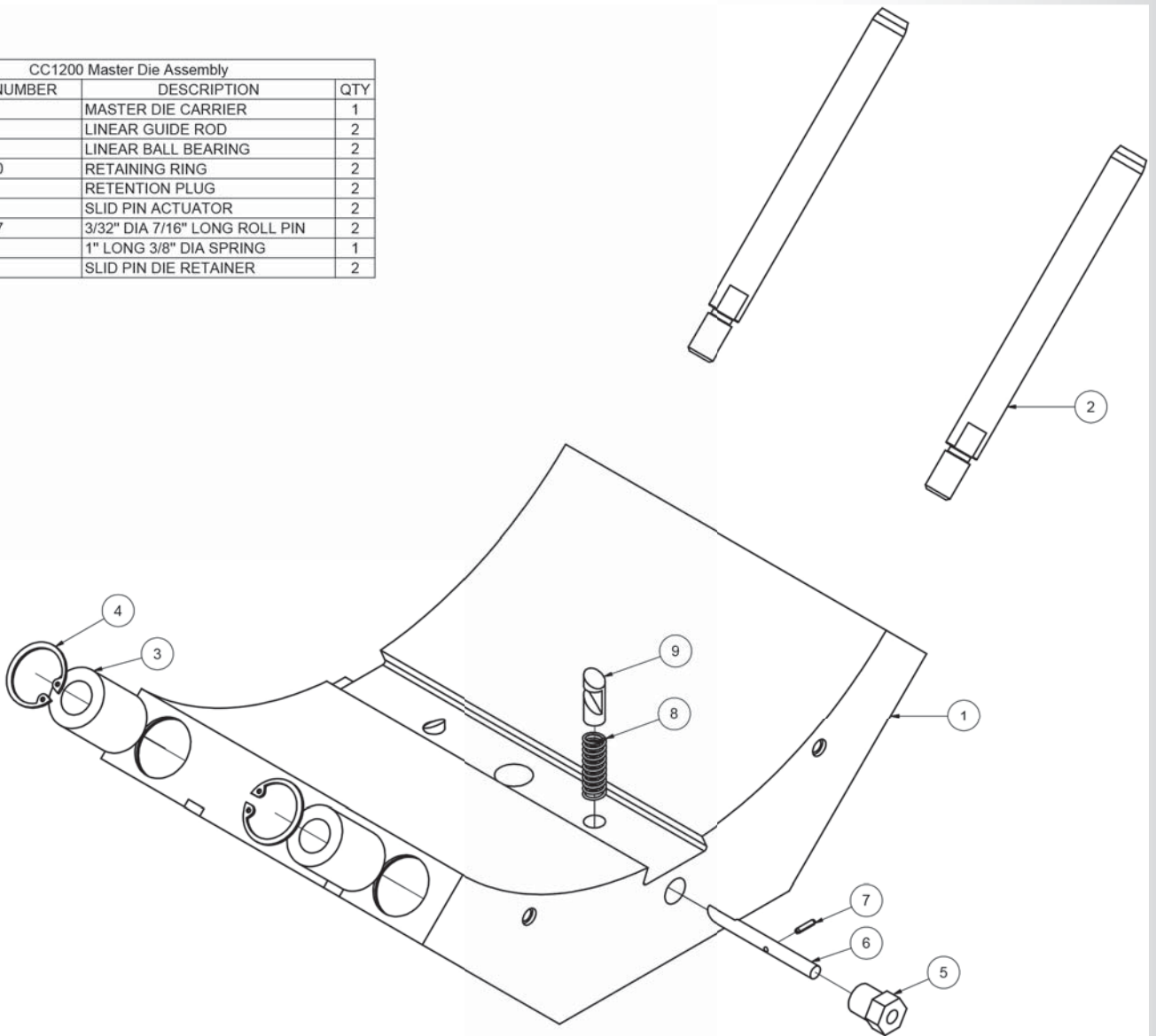
CC1200 MASTER AND CRIMP DIE STACK			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	104262-ASSY	MASTER DIE ASSEMBLY	4
2	104479-ASSY	381MM-275MM ADAPTOR DIE ASSEMBLY	4
1	104532	ANGLED SLIDE PIN	2
2	104533	SLIDE PIN ACTUATOR	2





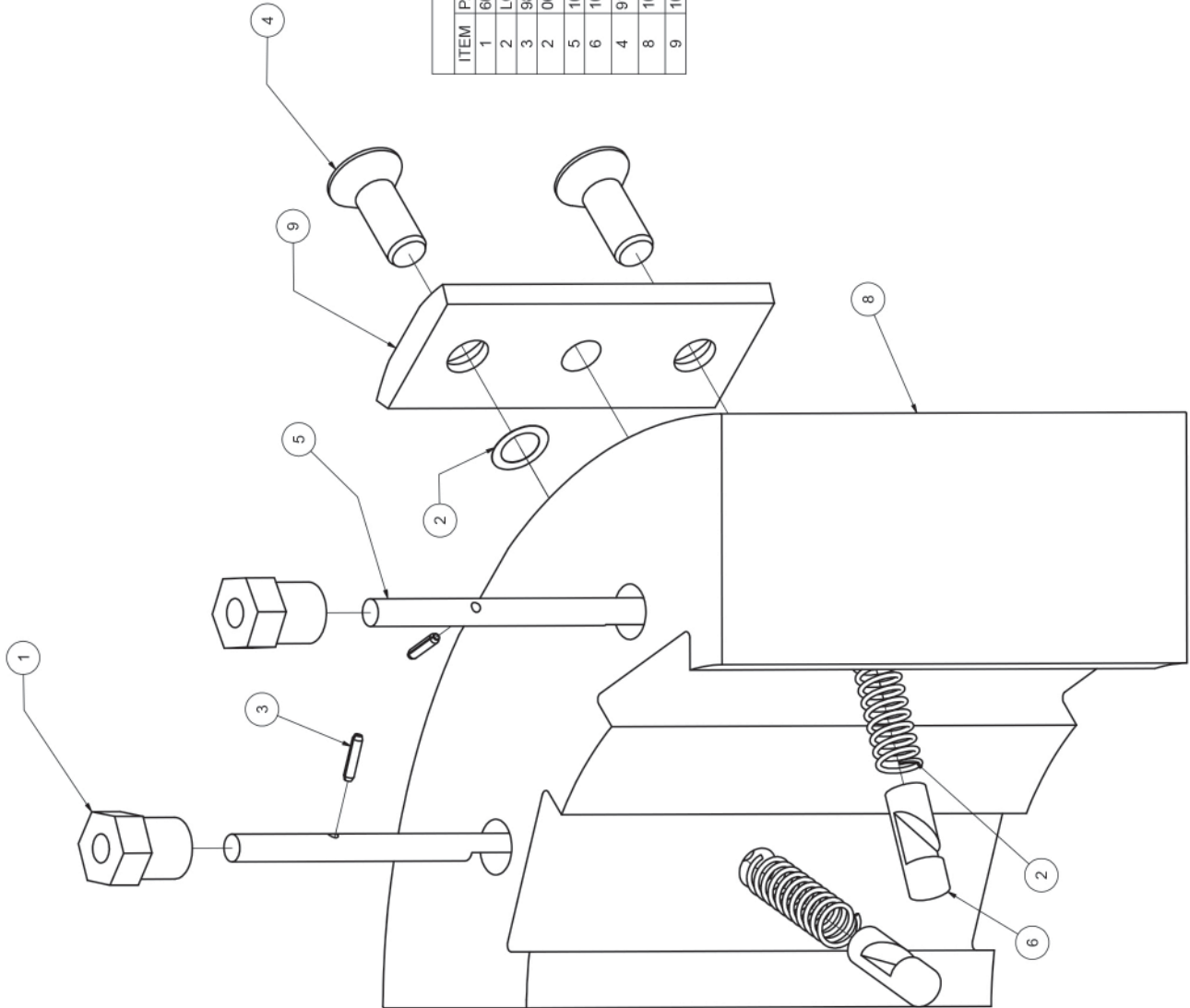
COMPONENT PARTS BREAKDOWN

CC1200 Master Die Assembly			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	104262	MASTER DIE CARRIER	1
2	104341	LINEAR GUIDE ROD	2
3	104556	LINEAR BALL BEARING	2
4	99142A480	RETAINING RING	2
5	104555	RETENTION PLUG	2
6	104532	SLID PIN ACTUATOR	2
7	98296A837	3/32" DIA 7/16" LONG ROLL PIN	2
8	9657K306	1" LONG 3/8" DIA SPRING	1
9	104533	SLID PIN DIE RETAINER	2





COMPONENT PARTS BREAKDOWN



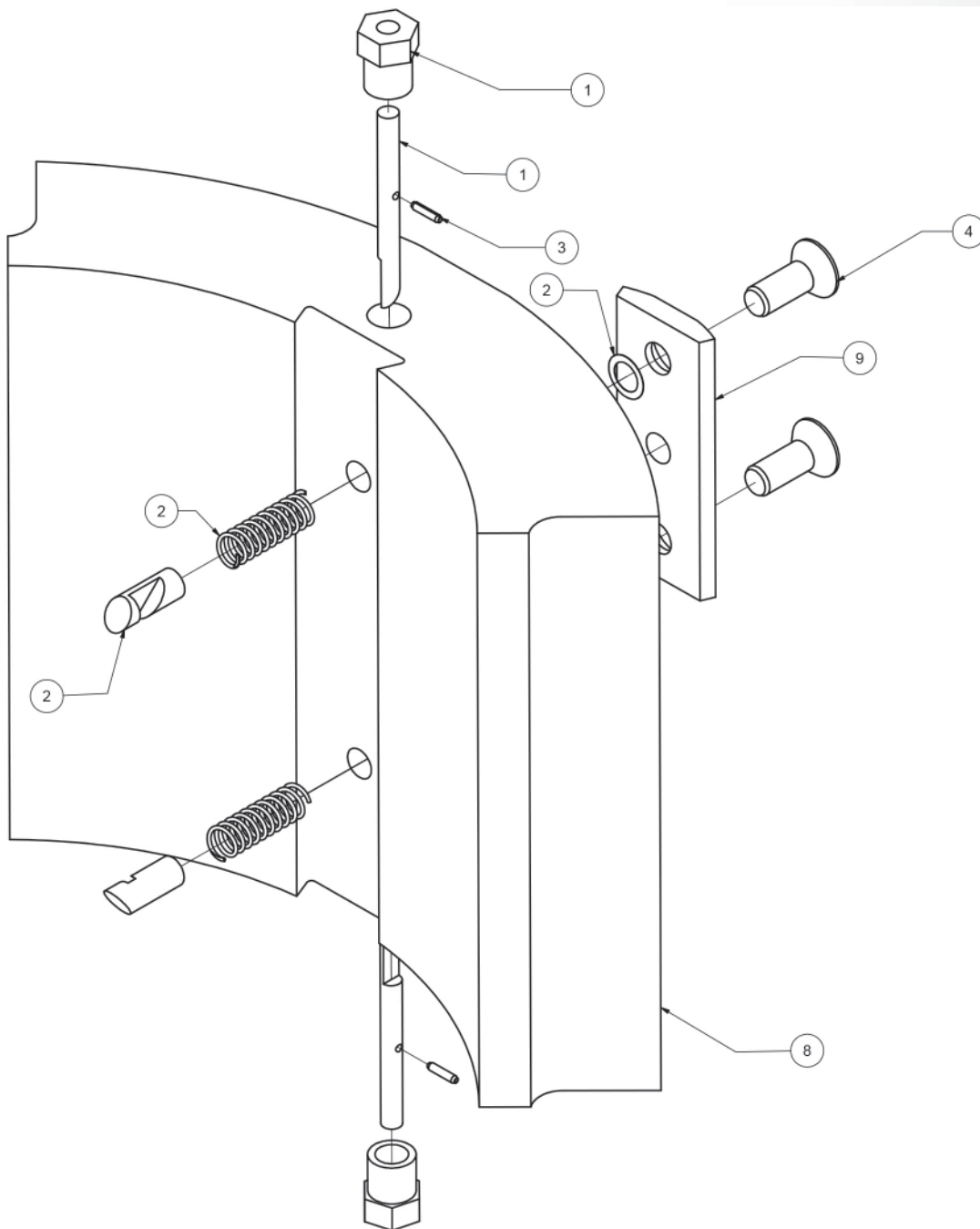
CC1200 275MM-160MM ADAPTOR DIE ASSEMBLY			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	60-2HM4	SLIDE PIN RETAINER	2
2	LC-042E-14	SPRING	2
3	98296A837	3/32 X 7/16 ROLL PIN	2
4	06885610	0.005" THICK - 3/8 ID SHIM SPACER	2-4
5	104544	SLIDE PIN ACTUATOR	2
6	104545	FLAT SLIDE PIN	2
8	91253A261	3/8-16 X 5/8 FHCS	2
8	104480	275mm-160mm Adaptor Die	1
9	104447	SOLID CRIMP DIE KEY	1

CC1200 Production / Industrial Hose Crimper



COMPONENT PARTS BREAKDOWN

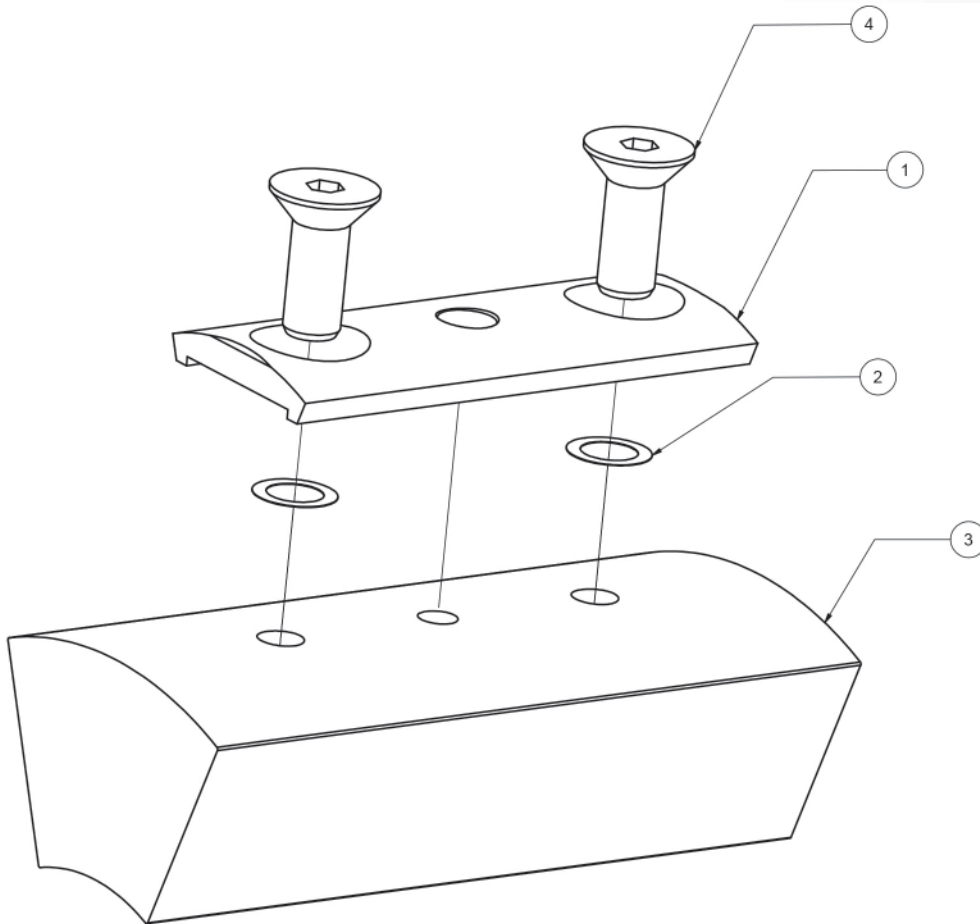
CC1200 381MM-275MM ADAPTOR DIE ASSEMBLY			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	104532	ANGLED SLIDE PIN	2
2	104533	SLIDE PIN ACTUATOR	2
1	60-2HM4	SLIDE PIN RETAINER	2
2	LC-042E-14	SPRING	2
3	98296A837	3/32 x 7/16 ROLL PIN	2
2	06885610	0.005" THICK - 3/8 ID SHIM SPACER	2-4
4	91253A261	3/8-16 X 5/8 FHCS	2
8	104479	381MM-275MM ADAPTOR DIE	1
9	104447	SOLID CRIMP DIE KEY	1





COMPONENT PARTS BREAKDOWN

CC1200 160S CRIMP DIE ASSEMBLY			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	104594	381S CRIMP DIE KEY (SLOTTED)	1
2	06885610	0.005" THICK - 3/8 ID SHIM SPACER	2-4
3	103900	160MM-SIZE DIE SETS FOR CC1200	1
4	91253A261	3/8-16 X 5/8 FHCS	2

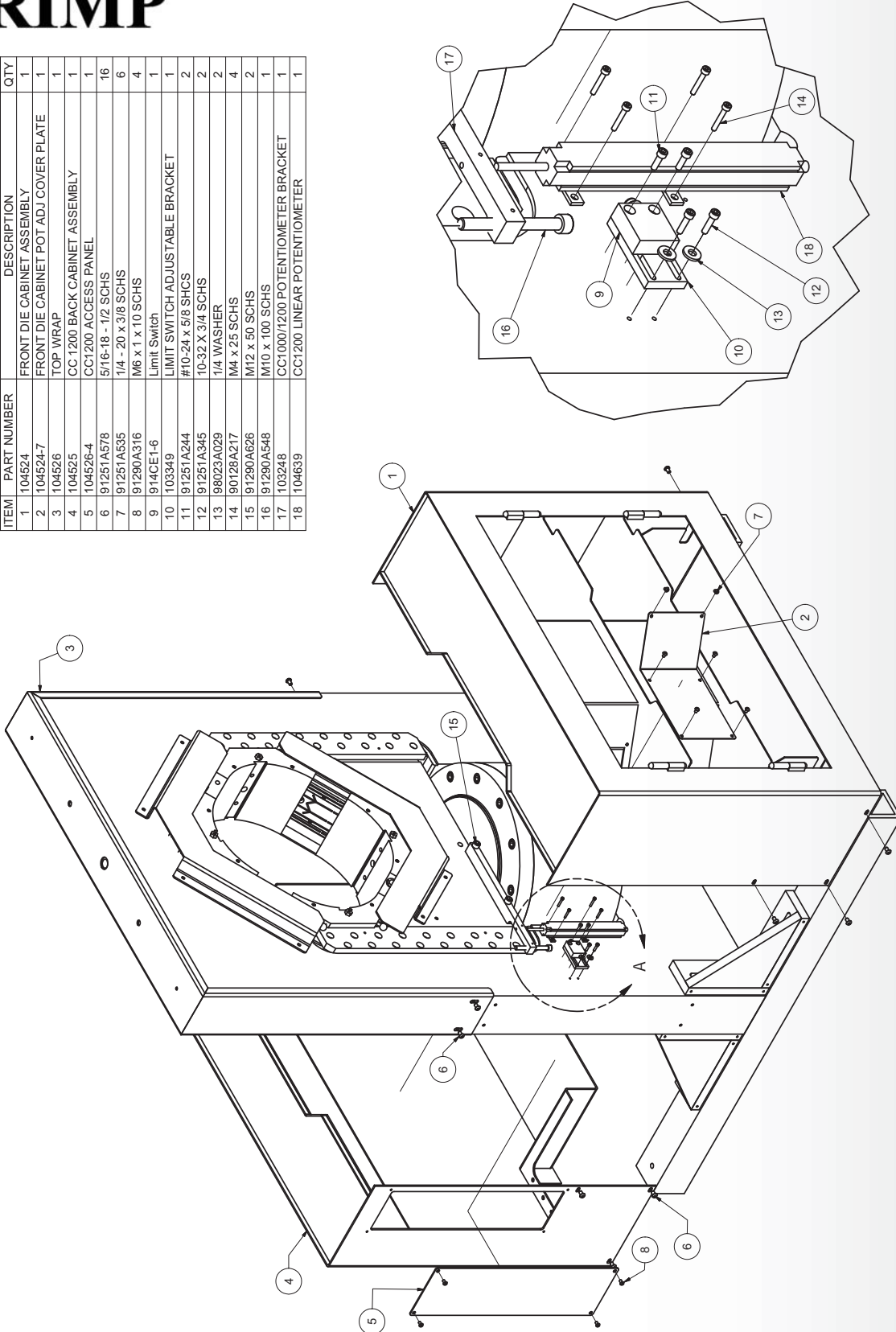


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COMPONENT PARTS BREAKDOWN

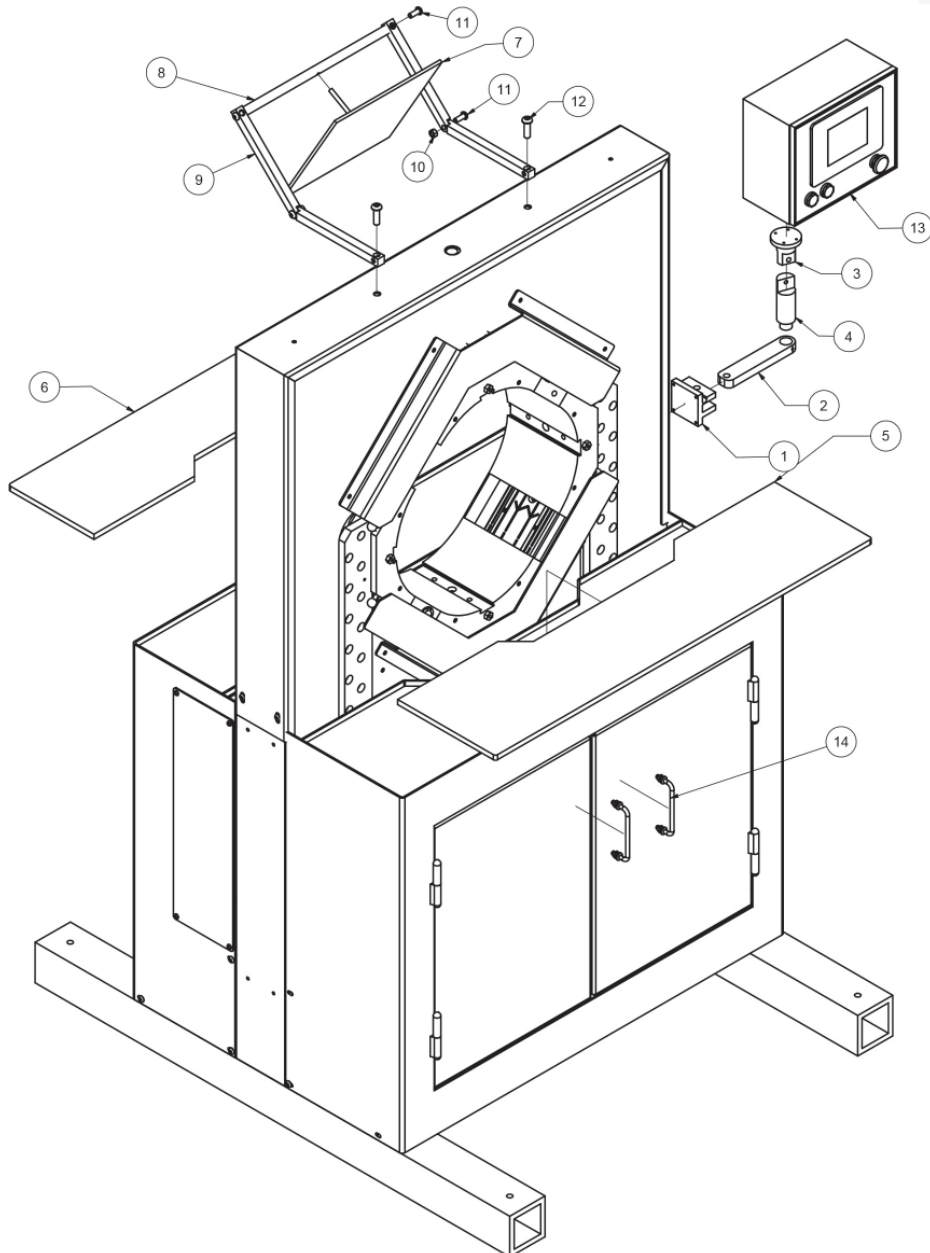
ITEM	PART NUMBER	DESCRIPTION	QTY
1	104524	CC1200 SHEETMETAL CABINET ASSEMBLY	1
2	104524-7	FRONT DIE CABINET ASSEMBLY	1
3	104526	FRONT DIE CABINET POT ADJ COVER PLATE	1
4	104525	TOP WRAP	1
5	104526-4	CC1200 BACK CABINET ASSEMBLY	1
6	91251A578	CC1200 ACCESS PANEL	16
7	91251A535	5/16-18 - 1/2 SCHS	6
8	91290A316	1/4 - 20 x 3/8 SCHS	4
9	914CE1-6	M6 x 1 x 10 SCHS	1
10	103349	Limit Switch	1
11	91251A244	LIMIT SWITCH ADJUSTABLE BRACKET	1
12	91251A345	#10-24 x 5/8 SHCS	2
13	98023A029	10-32 X 3/4 SCHS	2
14	90128A217	1/4 WASHER	4
15	91290A626	M4 x 25 SCHS	2
16	91290A548	M12 x 50 SCHS	1
17	103248	M10 x 100 SCHS	1
18	104639	CC1000/1200 POTENTIOMETER BRACKET	1
		CC1200 LINEAR POTENTIOMETER	1





COMPONENT PARTS BREAKDOWN

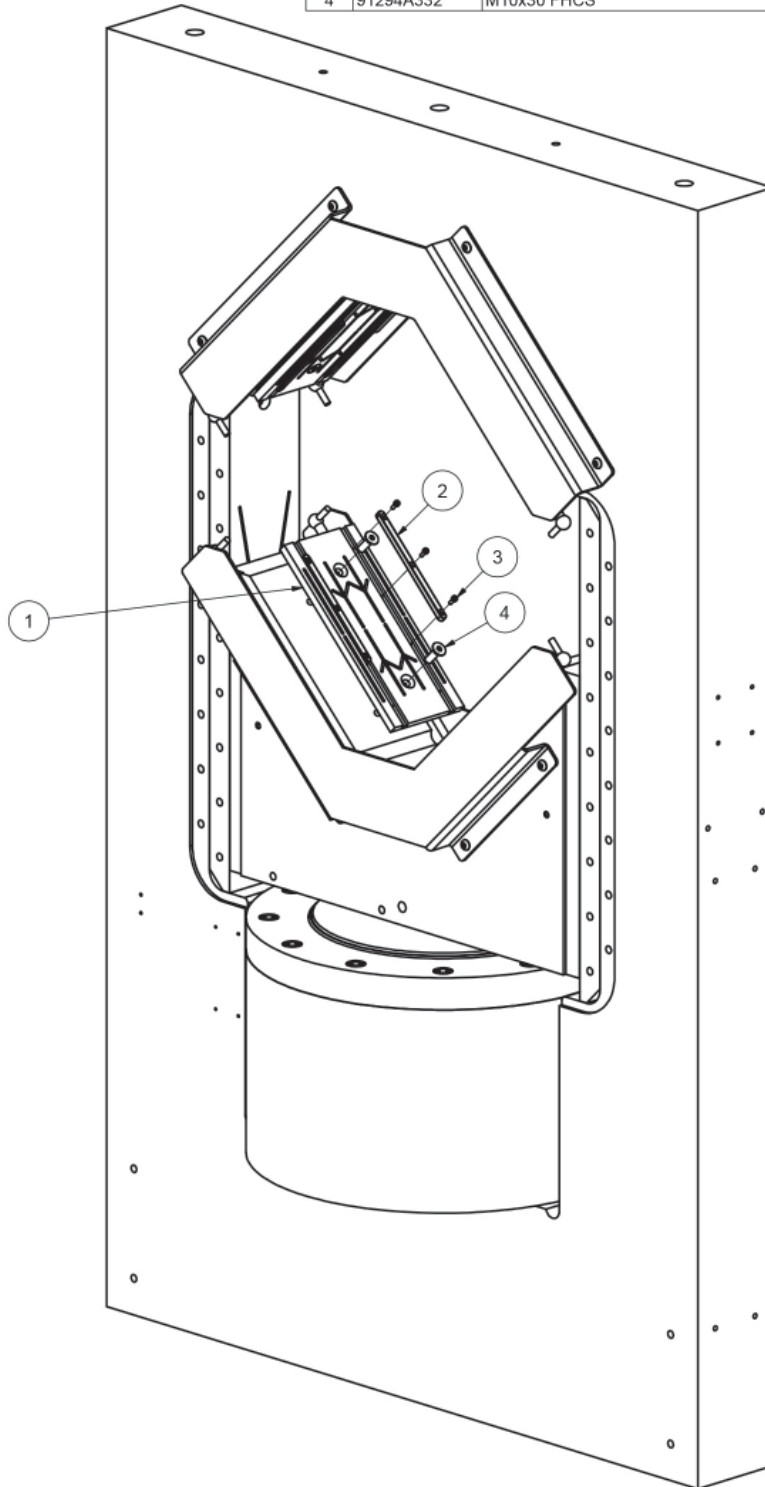
CC1200 MIRROR BRACKET AND PAD ASSEMBLY			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	103308-3	MOUNTING BRACKET	1
2	103308-2	SUPPORT ARM	1
3	103308-1	SWIVEL BRACKET	1
4	103308-4	BOTTOM SWIVEL BRACKET	1
5	104528	CC 1200 FRONT DIE CABINET NEOPRENE MAT	1
6	104529	CC 1200 BACK DIE CABINET NEOPRENE MAT	1
7	9194T31	12x12 MIRROR	1
8	103345	CC440/650/1000/1200 MIRROR BRACKET ROD	1
9	103307	MIRROR BRACKET LEG	4
10	94846A031	3/8-16 HEX NUT	2
11	91255A624	3/8 - 16 x 1 BHCS	4
12	91239A620	M12 x 40 BHCS	2
13	103761	TOWER BOX	1
14	11665A3	DOOR HANDLES	2





COMPONENT PARTS BREAKDOWN

CC1200 WEAR PLATE PARTS LIST			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	104265	CC1200 MASTER DIE WEAR PLATE	4
2	103366	CC1200/600 WEAR PLATE T-NUT	8
3	91290A144	M4x10 SHCS	24
4	91294A332	M10x30 FHCS	8

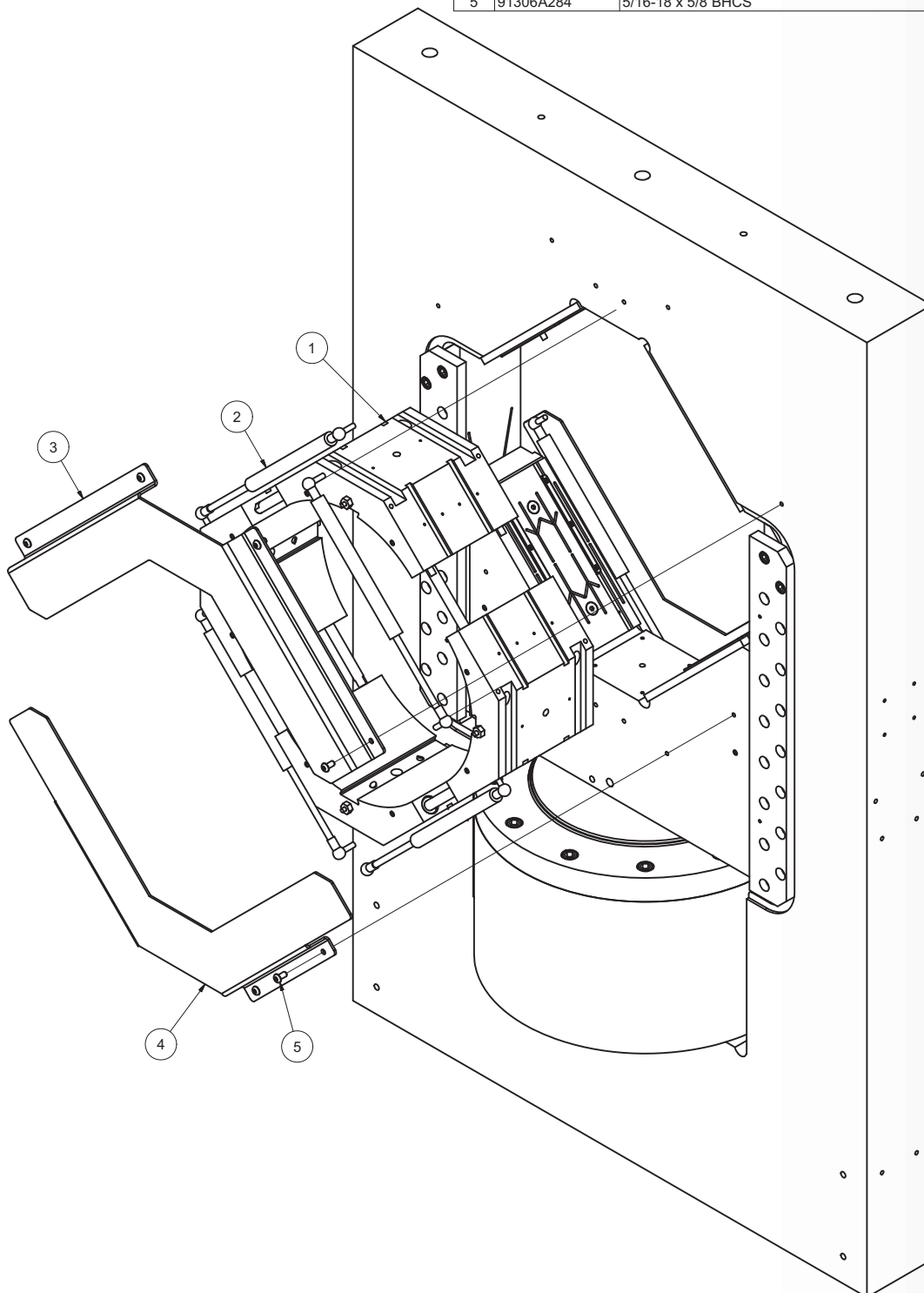


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COMPONENT PARTS BREAKDOWN

CC1200 GAS SHOCK AND COVER ASSEMBLY			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	104262	CC1200 MASTER DIE ASSEMBLY	4
2	104559	GAS SHOCK	16
3	104416	CC1200 FRAME MASTER DIE COVER	2
4	104415	CC1200 V-BLOCK MASTER DIE COVER	2
5	91306A284	5/16-18 x 5/8 BHCS	16

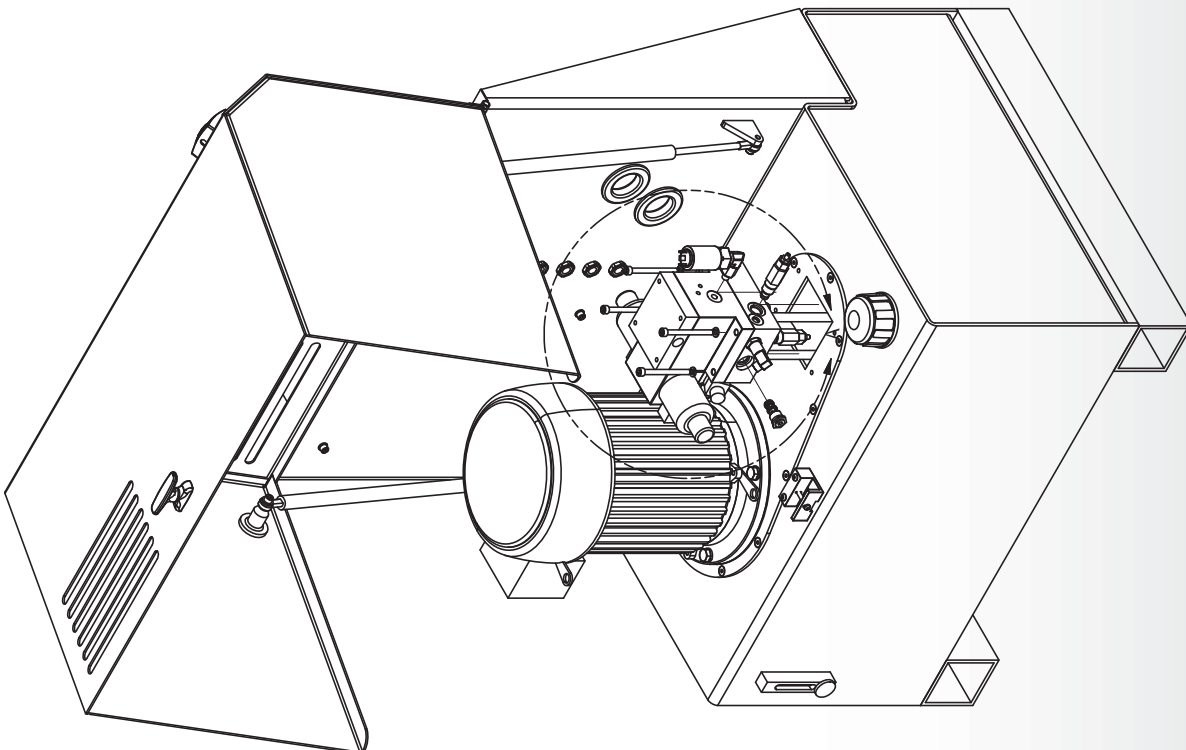
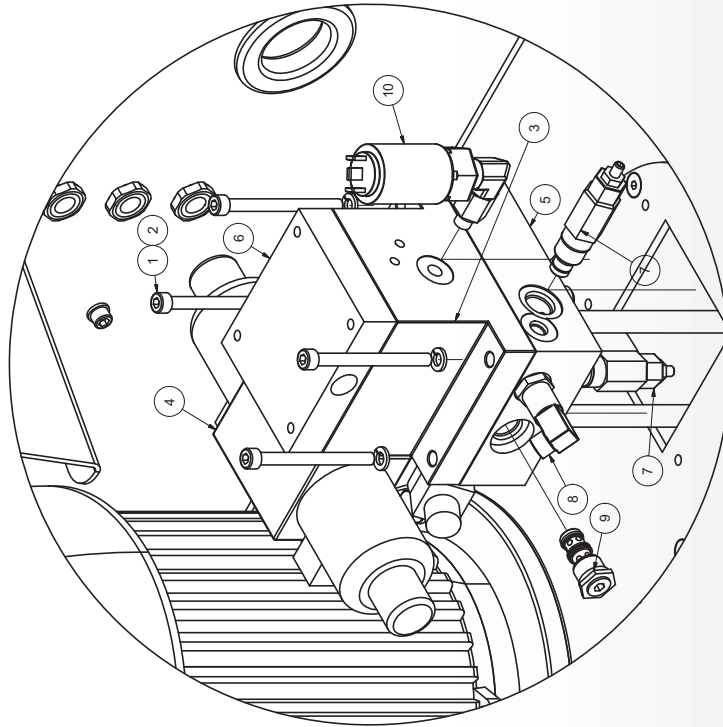


CC1200 Production / Industrial Hose Crimper



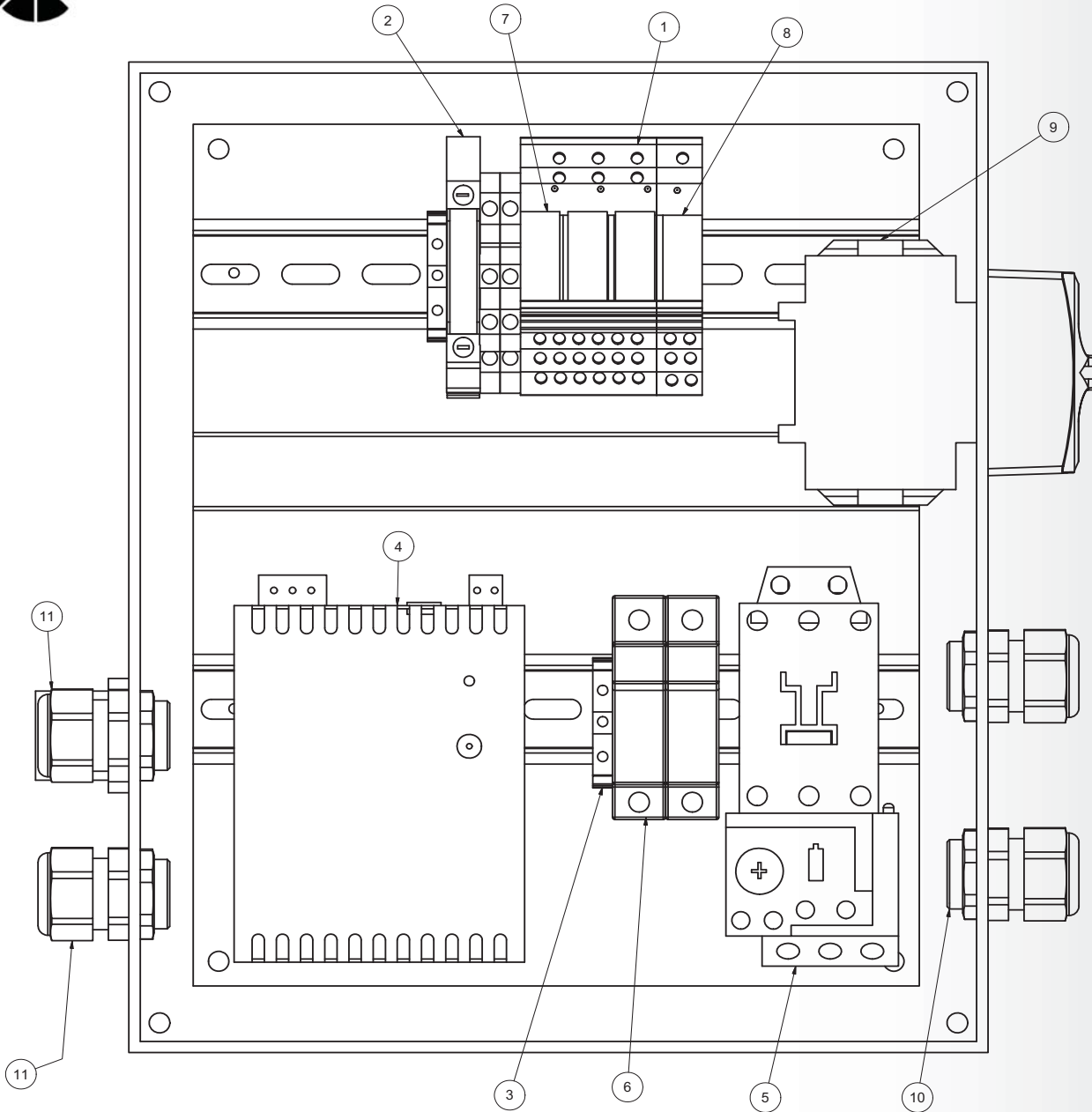
COMPONENT PARTS BREAKDOWN

CC1200 POWER UNIT ASSEMBLY	
ITEM QTY	PART NUMBER DESCRIPTION
1	4 91290A466 M8x1.25 x 90 SCHS
2	4 91169A200 M8 Lock Washer
3	1 102523 CC-60/CC-450 Manifold Block
4	1 102826 D05 Directional Valve
5	1 103331 DUAL PUMP MANIFOLD
6	1 102574 Manifold Intermediate Block
7	2 102526 Relief Valve
8	1 103723 Pressure Transducer
9	2 102525 Single Pilot Check Valve
10	1 103791 Barksdale Pressure Switch





COMPONENT PARTS BREAKDOWN

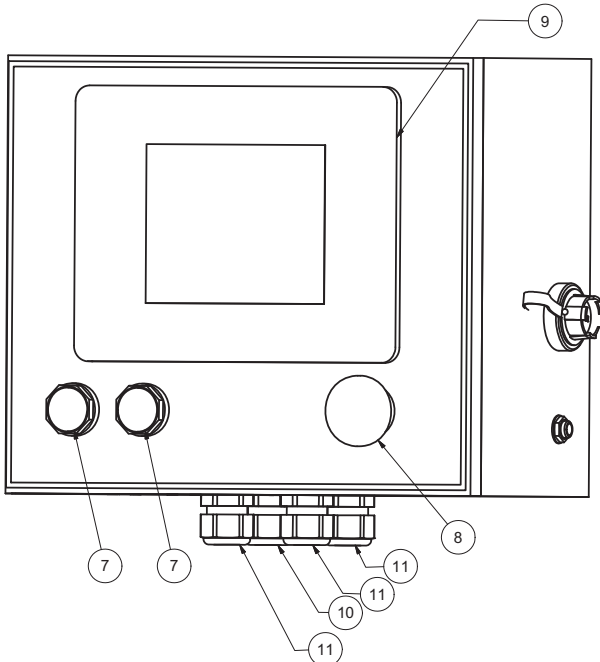
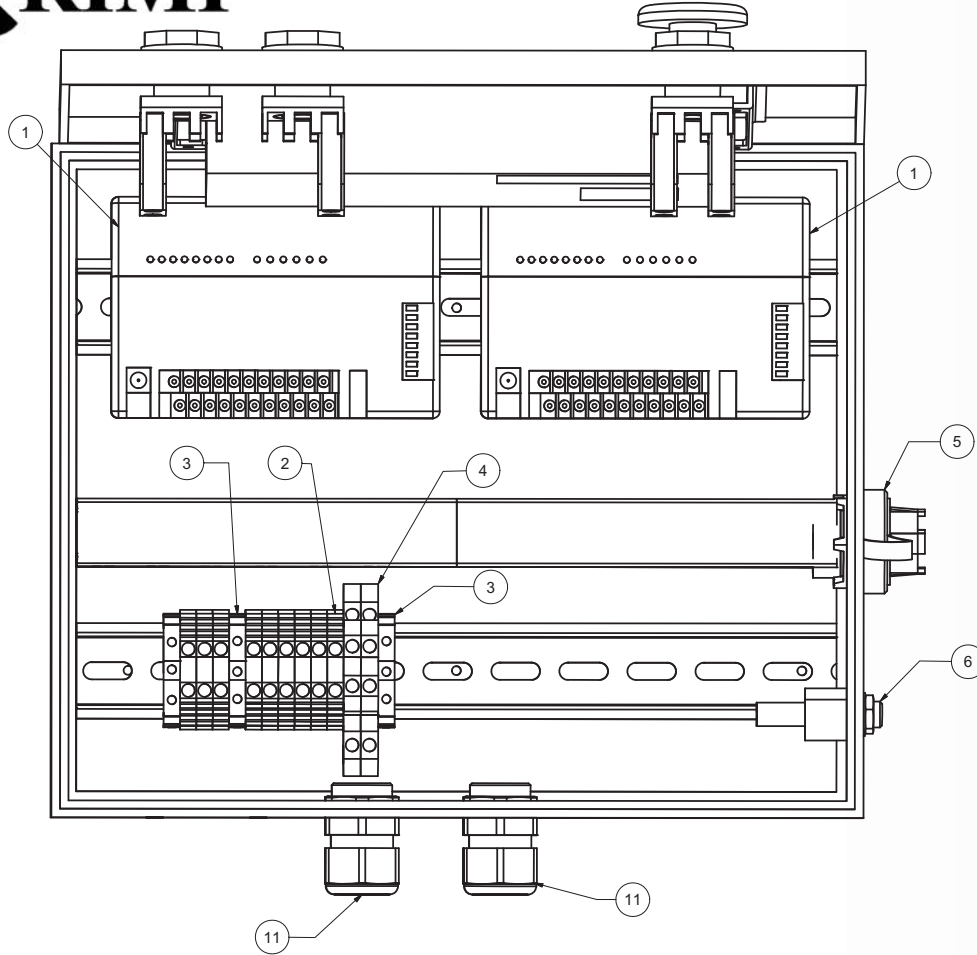


ELECTRICAL BOX ASSEMBLY (103759)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	102368	Relay Block	1
2	102367	Fuse Block	1
3	102365	Ground Block	2
4	102371	Power Supply	1
5	102369	Contactors with Overload Protector	1
6	CHMD2	MIDGET 5 AMP FUSE HOLDER	2
7	103782	Relay	3
8	102368-White Motor Block	Relay	1
9	103050	50 Amp Disconnect Switch	1
10	69915K56	3/4 NPT Cord Grip	2
11	69915K57	Cord Grip	3

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COMPONENT PARTS BREAKDOWN



CONTROL TOWER ASSEMBLY (103761)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	102370-PLC	PLC	2
2	DN-T10	Terminal Block	9
3	102365	Ground Block	3
4	103775	Terminal Block	2
5	PX0842/A	USB Connector	1
6	502-N-111	Foot Pedal Jack W/Nut	1
7	101545-GREEN	Button	2
8	101545-RED	E-Stop	1
9	102600	6" Touch Screen Text Panel	1
10	69915K57	Cord Grip	1
11	69915K56	3/4 NPT Cord Grip	3



CUSTOMCRIMP® “NO-NONSENSE” WARRANTY STATEMENT



CustomCrimp® “No-Nonsense” Warranty Statement

All CustomCrimp® Products are warranted to be free of defects in workmanship and materials for one year from the date of installation. This warranty ends when the product becomes unusable for reasons other than defects in workmanship or material.

Any CustomCrimp® Product proven to be defective in workmanship or material will be repaired or replaced at no charge. To obtain benefits of this warranty, first, contact Warranty Repair Department at Custom Machining Services at **(219) 462-6128** and then deliver via prepaid transportation the complete hydraulic product to:

**ATTN: WARRANTY REPAIR DEPT.
Custom Machining Services, Inc.
318 North Co. Rd 400 East
Valparaiso IN 46383**

If any product or part manufactured by CustomCrimp® is found to be defective by CustomCrimp®, at its option, CustomCrimp® will either repair or replace the defective part or product and return via ground transportation, freight prepaid.

CustomCrimp® will not cover any incoming or outgoing freight charges for machines sold outside The United States.

This warranty does not cover any product or part which is worn out, abused, altered, used for a purpose other than for which it was intended, or used in a manner which was inconsistent with any instructions regarding its use.

Electric motors are separately warranted by their manufacturer under the conditions stated in their separate warranty.

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CONTACT US

CUSTOMCRIMP®, YOUR SINGLE SOURCE FOR HOSE ASSEMBLY PRODUCTS.

Products and services to support industry wide hose assembly needs.

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Custom Machining Services, Inc.
326 N. County Rd. 400 East
Valparaiso, IN 46383
Ph: (219) 462-6128
Fax: (219) 464-2773
www.customcrimp.com



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