

Crestline® Dampening System

Installation Instructions

Hamada DU34 II Lower Unit



A Pamarco Technologies Inc. Company

GENERAL INFORMATION

ATTENTION CRESTLINE® DAMPENER OWNER!

Accel Graphic Systems provides parts and service through its authorized distributors and dealers. Therefore, all requests for parts and service should be directed to your local dealer.

The philosophy of Accel Graphic Systems is to continually improve all of its products. Written notices of changes and improvements are sent to Accel Graphic Systems' Dealers.

If the operating characteristics or the appearance of your product differs from those described in this manual, please contact your local Accel Graphic Systems Dealer for updated information and assistance.

Always update your dampener when improvements are made available, especially those related to safety.

YOUR AUTHORIZED CRESTLINE® DEALER IS:

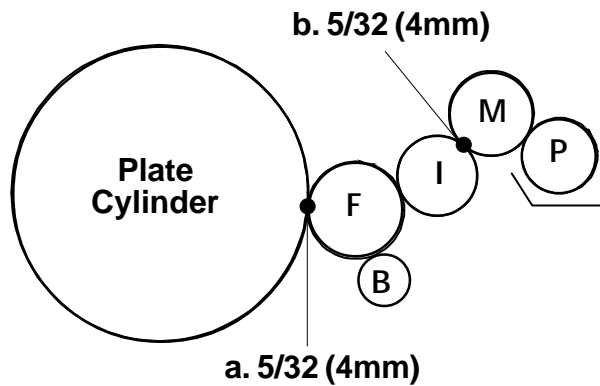
THE SERIAL NUMBER OF YOUR CRESTLINE® DAMPENER(S) IS:

SAFETY INFORMATION

FOR YOUR SAFETY, DO NOT DISENGAGE OR REMOVE ANY GUARDS FROM THE CRESTLINE® DAMPENER. THE DAMPENER CONTAINS SOME INWARD ROTATING ROLLER NIPS THAT CAN CAUSE INJURY IF LEFT UNGUARDED.

GENERAL INFORMATION

BASIC CONFIGURATION OF CRESTLINE®



Adjustments
 a. Form to Plate
 b. Intermediate to Metering
 c. Metering to Pan

Roller Descriptions
F = Form
B = Oscillator/Bridge
I = Intermediate
P = Pan
M = Metering

TERMINOLOGY **OPS** = Operator's Side
 NOPS = Non Operator's Side

TECHNICAL ASSISTANCE

For technical assistance during the installation, please contact:

ACCEL GRAPHIC SYSTEMS
 11103 Indian Trail
 Dallas, TX 75229
 PHONE (972) 484-6808
 FAX (800) 365-6510
 E-MAIL accel@dallas.net
 WEB SITE www.accelgraphicsystems.com

Crestline® is covered by U.S. Patents and Patents Pending

GENERAL INFORMATION

REQUIRED TOOLS

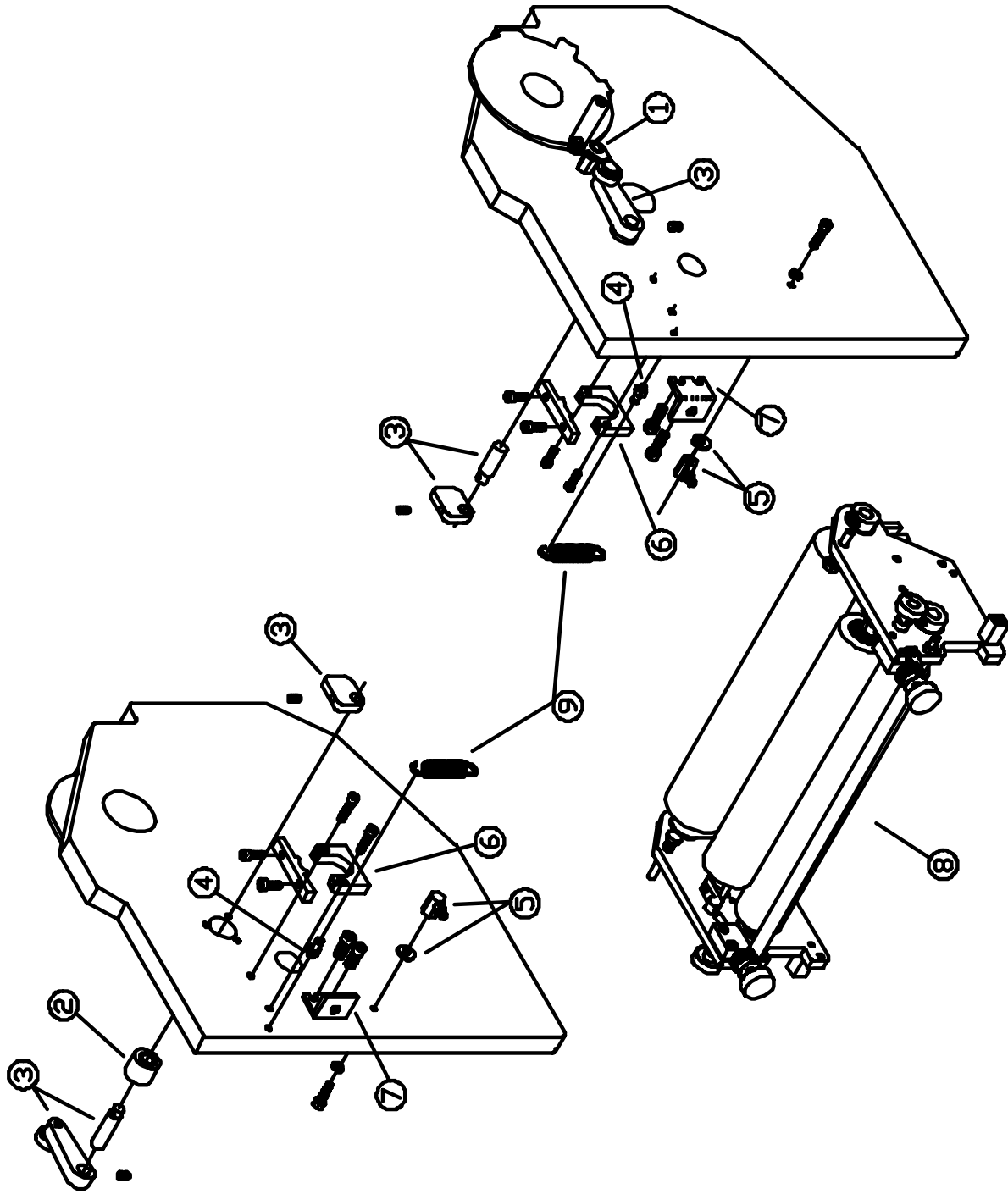
1. Phillips Screwdriver
2. Standard Screwdriver
3. 8 mm Open End
4. 10 mm Open End
5. 13 mm Open End
6. 17 mm Open End
7. 2.5 mm Allen Wrench
8. 3 mm Allen Wrench
9. 4 mm Allen Wrench
10. 5 mm Allen Wrench
11. 2.5 mm Punch
12. 3.0 mm Punch
13. 5.0 mm Punch
14. Hammer
15. Snap Ring Pliers

PRE-INSTALLATION INFORMATION

1. Cut the ties holding the rollers and examine rollers for gouges, scratches, or nicks.
2. Check box and parts board to make sure all pieces are present and nothing has broken in shipping.
3. Check the dampener for parallel. (Cutter bed works best.) If dampener rocks, it needs to be realigned. Loosen tie bar bolts at OPS and align the frames on the flat surface. Re-tighten bolts.

HAMADA DU34 LOWER UNIT

DU34L-17, 4-97



1

At OPS and NOPS, replace original activation cam with new one supplied and reconnect press linkage.

2

At OPS and NOPS, press bronze bushing into press frame.

3

At OPS and NOPS, slip activation shaft through bronze bushing previously installed. Attach inner and outer arms as shown, making sure the set screws in each arm engage the dimples in the shaft.

4

At OPS and NOPS, install spring studs into the M8 tapped holes in the press frame.

5

At OPS and NOPS, attach off-stop to press frame using the provided hardware.

6

At OPS and NOPS, attach mounting blocks using the provided hardware.

7

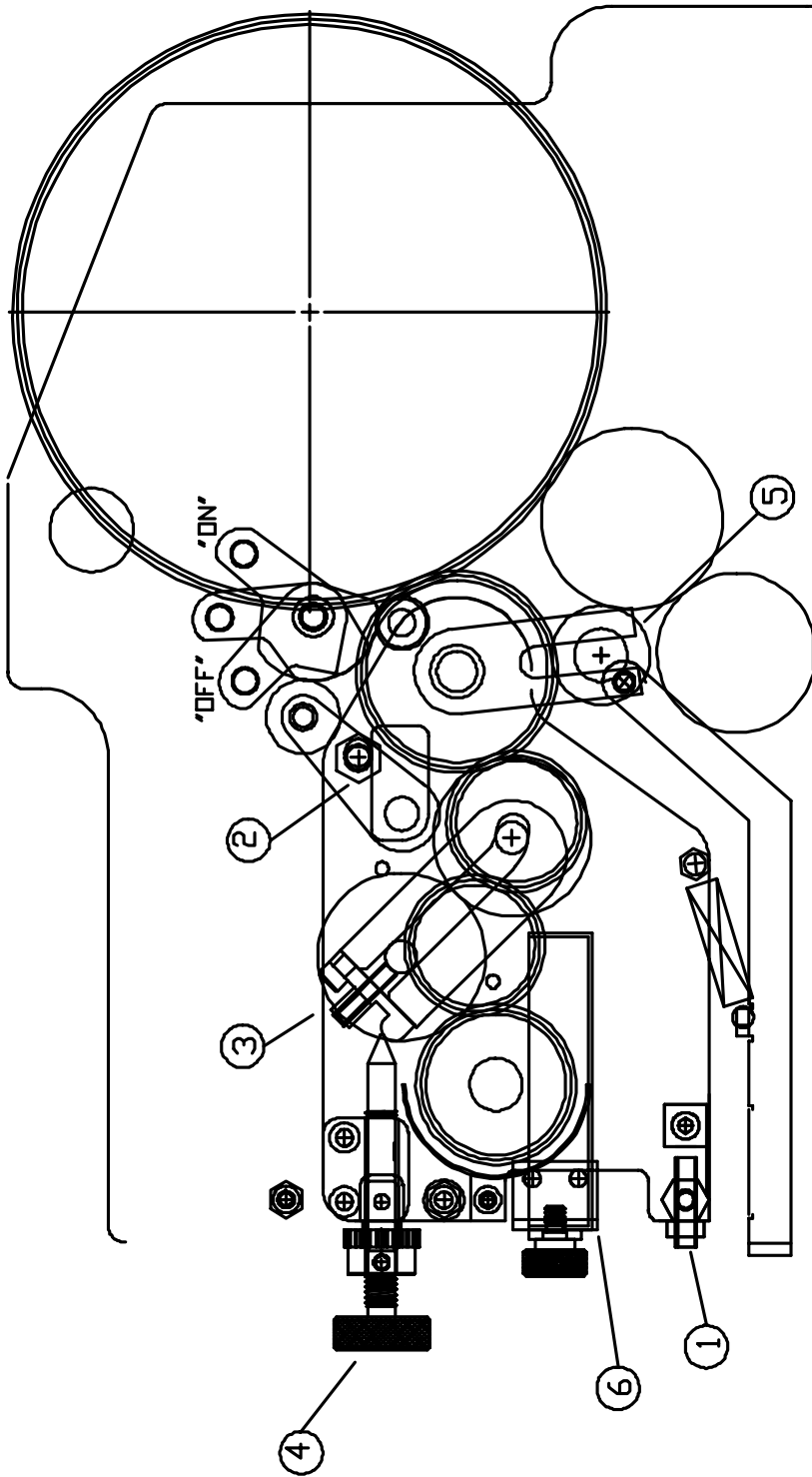
AT OPS and NOPS, attach water pan brackets using the provided hardware.

8

Install dampener assembly in press. The ball bearings on the pivot studs will rest in the pockets of the mounting blocks. Secure the unit with the plastic bearing caps using the provided hardware.

9

At OPS and NOPS, install provided extension springs between the stud on dampener assembly and stud on press frame.



1

Plate Cylinder Separation

Using press T-wrench, place press in "O" (off) position. The dampener assembly will be pulled away from the plate cylinder by the extension springs. The gap between the water form roller and plate cylinder should be no more than 1.5 MM. Adjust using the stops on the press frame.

2

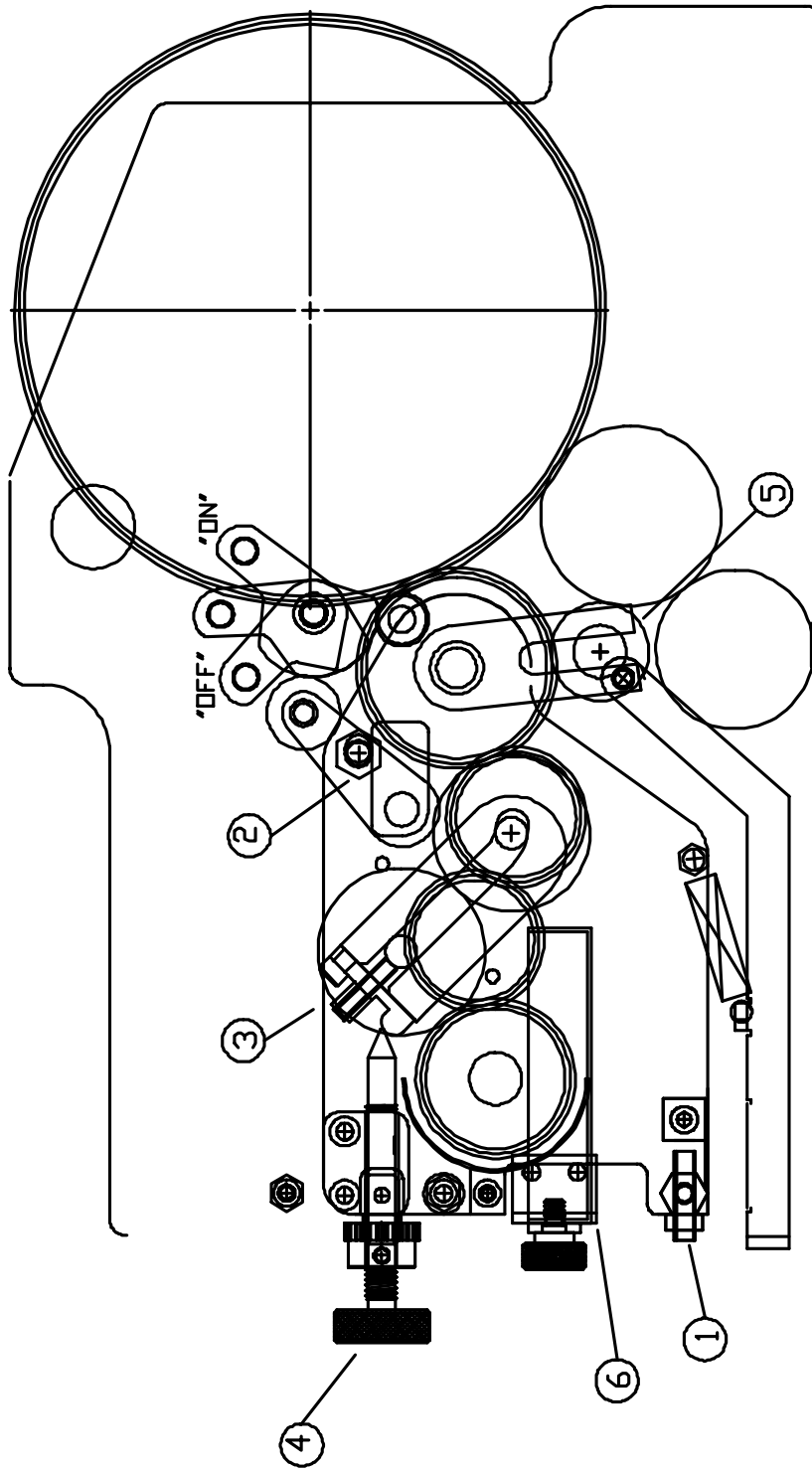
Form Roller to Plate Pressure

Mount a metal plate to the cylinder and dab a small amount of ink on the dampener. Run the press slowly to mill the ink. With the press off, use the T-wrench to manually drop the dampener to the plate and then back to off. Jog the press and observe the stripe. It should be 4 MM. This pressure is adjusted with the eccentric stud located at the top of each dampener frame. Rotating the pin on the stud toward the lift cam will increase the stripe and vice versa. Fully tighten lock nut when finished.

3

Metering to Intermediate Roller Pressure

This pressure is adjusted with the set screw in the hanger cap. Turning the screw in will increase the stripe and vice versa. It should be 4 MM.



4

Metering to Pan Roller Pressure

Turn the large black knobs on top of the dampener to adjust the stripe between the metering roller and pan roller. Turning the knobs in increases the pressure and vice versa. When a 5 MM stripe has been obtained, spin the ratchet gears down until they bottom out on the large black block attached to the dampener frame. At this point, tighten the set screws in each ratchet gear. This sets the maximum pressure.

5

Bridge to Water Form

This pressure should be a maximum of 3 MM and is adjusted by turning the set screw in the middle of the retainer. Turning the screw toward the roller increases the stripe and vice versa. Tighten lock nut when finished.

6

Water Pan Level

If using bottles, adjust water level by raising or lowering bottle holder. If using a circulator, make sure level control wier is installed over pan drain before turning on pump. The water level should be approximately half way up in the pan. Be sure circulator flow is not fast for drain capacity.

BASIC OPERATION

- START OF DAY**
- A. Make sure all the rollers are in place.
 - B. Spin knurled knobs until the ratchet stops.
 - C. Mount plate to cylinder. Wipe down all plates before running. Pre-ink the Crestline® dampener before running the plates with an extremely light coverage of ink by *engaging the bridge roller*. Bridge roller engages by pulling back and down on the bridge roller bracket to allow the roller to move toward the inker. To disengage, pull back and then up until the bracket notch rest on the shoulder bolt.
 - D. Place water bottle in bracket.

NOTE: Accel recommends using the proper fountain solution for the plate material being run on the press. A good acid/gum etch should be used with metal plates.

**RUNNING
DURING THE DAY**

- A. In general, the Crestline® should not have to be adjusted from job to job. The form roller setting should never be changed unless it has deviated from the factory specification of 5/32" to the plate.
- B. Adjustments to the amount of water fed to the plate are made by the knurled knobs that apply pressure to the metering roller. The dampener has been set up for minimum water. To increase the water to the plate, turn the knurled knobs counter clockwise 1 or 2 clicks at a time. This opens the gap between the metering and pan rollers and allows more water to the plate.
- C. In general, more water will only be required when going from a metal plate to an electrostatic or Silvermaster type plate.

CLEANING & MAINTENANCE

WASH UPS DURING THE DAY

1. Remove bottle and drain the excess water from the pan.
2. Mount a metal plate to the press.
3. Turn on the press and squirt a small amount of press wash on the ink rollers.
4. Engage the bridge roller, dropping it onto the ink form roller.
5. Use wash up attachment as normal. When the press is clean disengage bridge roller by pulling back on the levers until bearing on bridge roller drops into detent.
6. Remove water pan and clean any solution left in it.
7. Be sure to wipe excess clean up solution from the ends of the dampener metering and pan rollers.

END OF THE DAY

1. Wash up press. Pay close attention to cleaning the ends of the pan and metering rollers that extend past the form rollers.
2. Spin the knurled knobs up until the metering roller can be removed.
3. Remove metering roller and wipe down thoroughly to remove any excess wash that may be on the roller.

CLEANING & MAINTENANCE

DEGLAZING THE DAMPENER

Periodic deglazing of water-soluble contaminants will be necessary with the Crestline®. Typically, once every 2-3 weeks will be sufficient, unless you are running electrostatic plates on a daily basis whereas deglazing should be performed weekly. A 50/50 solution of household ammonia and hot water can be used for deglazing purposes. If you prefer a commercially available deglazer, avoid those containing pumice or gritty substances. Always follow deglazing with straight water and then roller wash. Accel offers a product called **COMPOUND X** that we recommend for deglazing our system. Contact your dealer or Accel for more information.

OILING AND GREASING THE DAMPENER

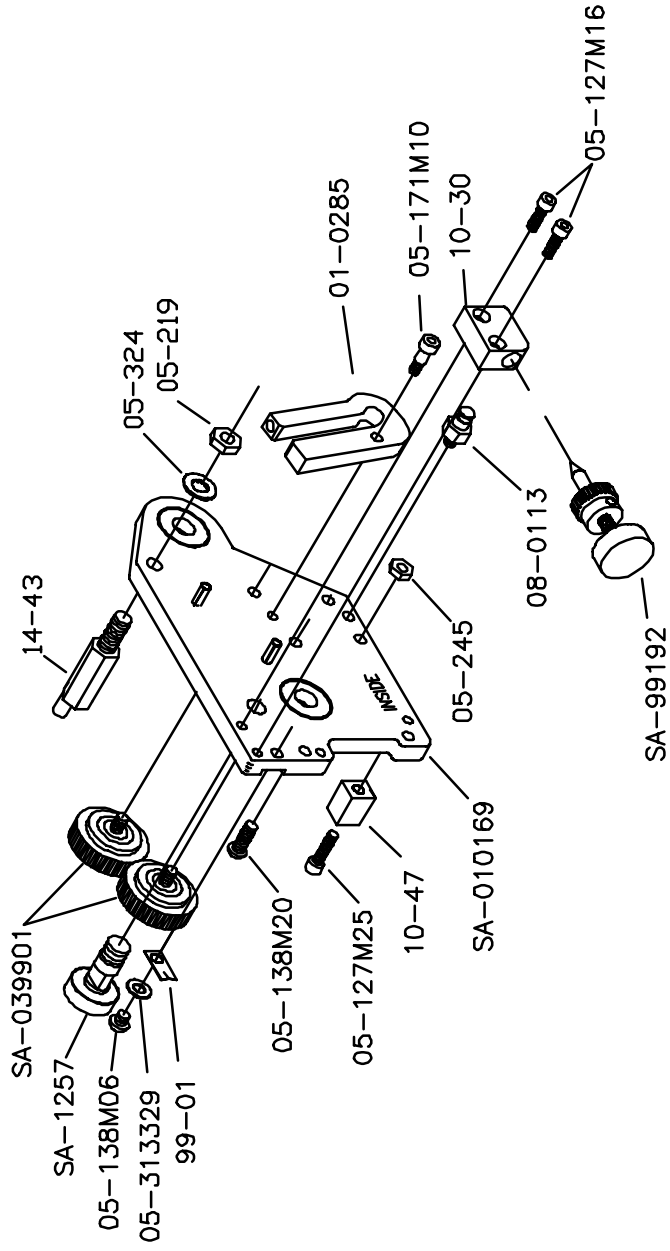
- A. Place a small amount of grease on the gears once a month.
- B. Inject grease into the oscillator grease fitting once a month.

CLEANING & MAINTENANCE

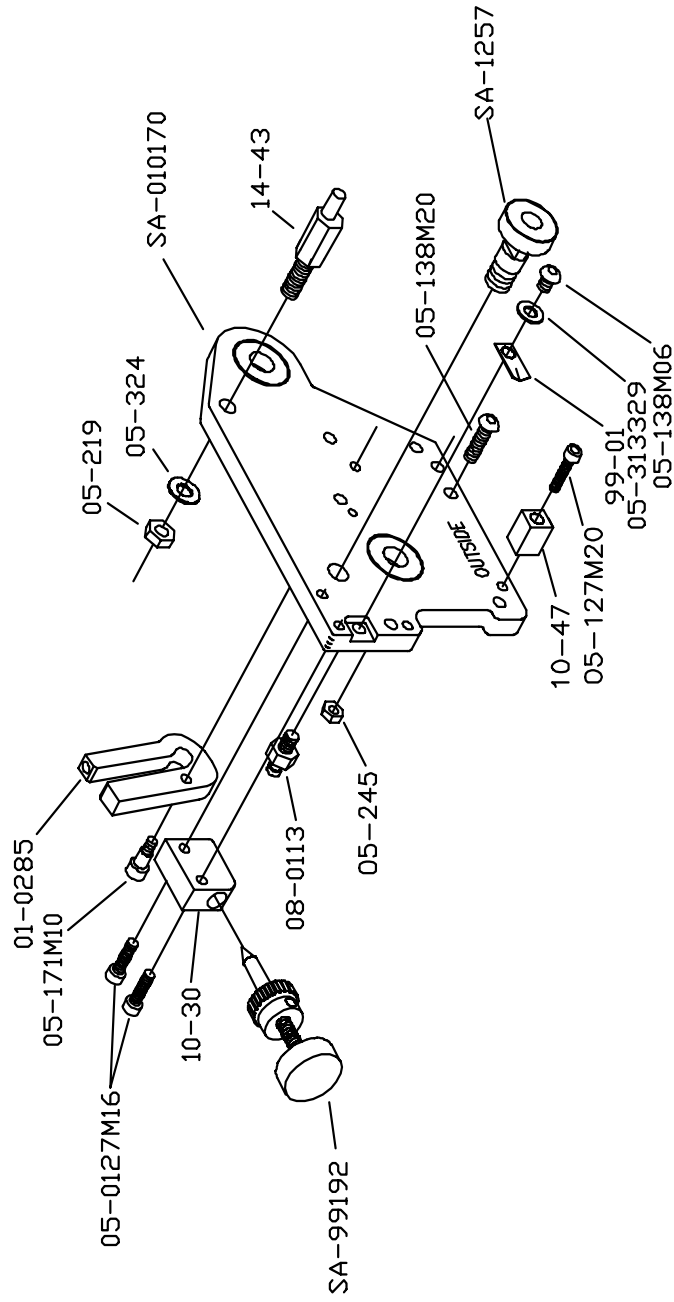
CRESTLINE® CLEANING & MAINTENANCE CHART

	Daily	Weekly	Bi-Weekly	Monthly
Wash Rollers	✓			
Deglaze Rollers				
Metal Plate Users			✓	
Silvermaster Plate Users			✓	
Electrostatic Plate Users		✓		
Grease Gears				✓
Inspect Ball Bearings				✓
Check Roller Pressures				✓
Check Roller Surfaces				✓

SIDE FRAME ASSEMBLY - OPS
HAMADA DU34 II LOWER UNIT

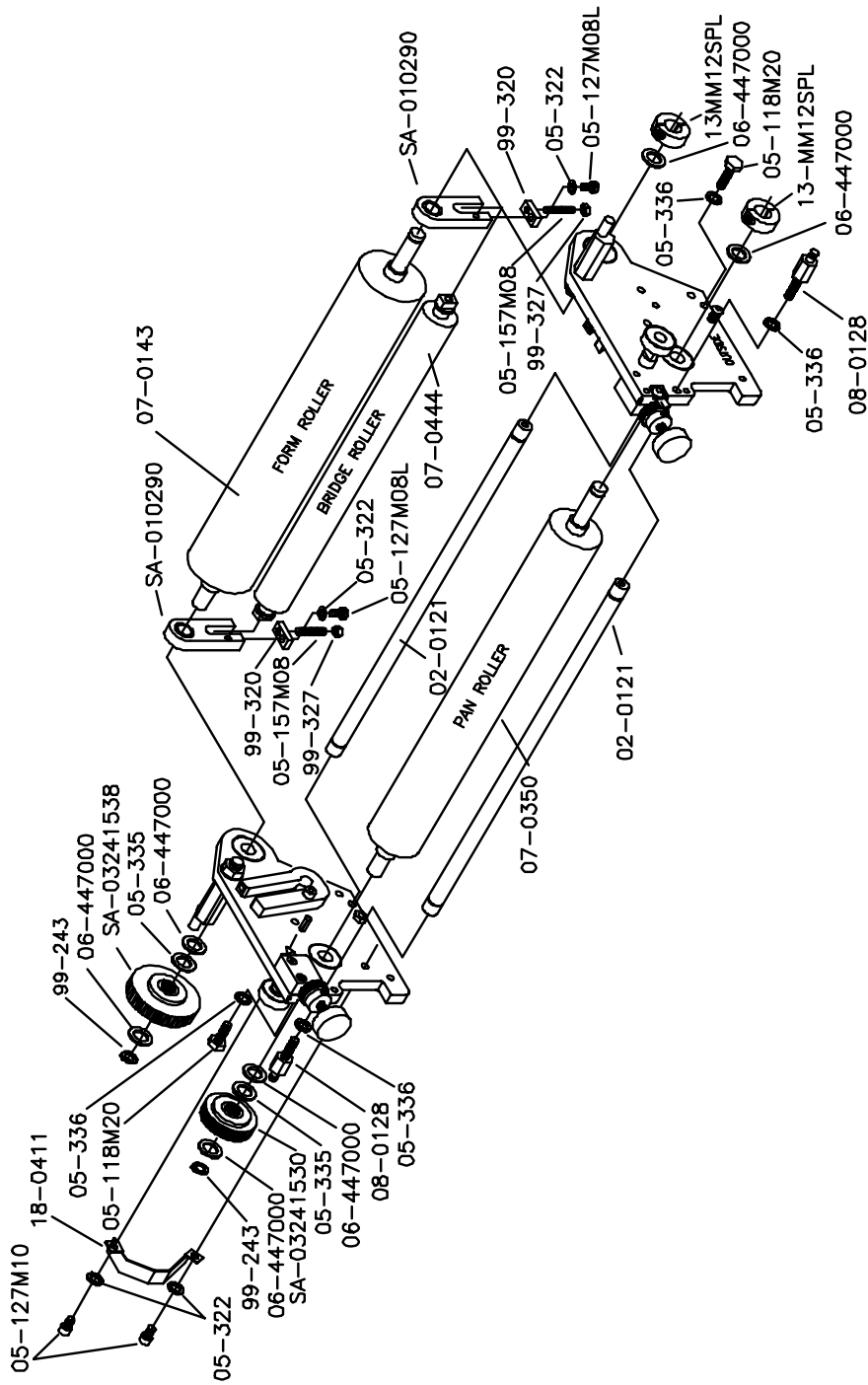


SIDE FRAME ASSEMBLY NOPS
HAMADA DU34 LOWER UNIT



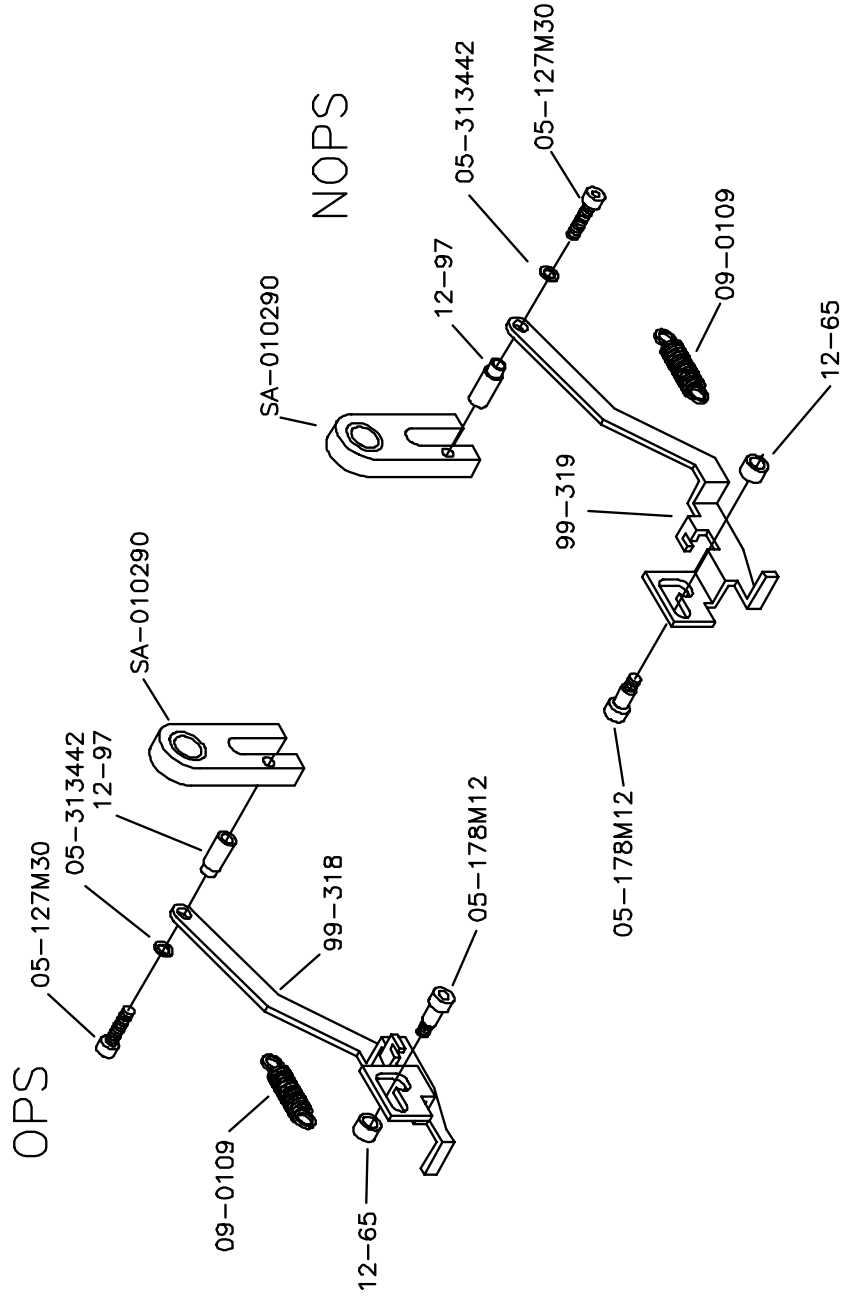
34L IIC02, 7-17-97

DAMPENER ASSEMBLY
HAMADA DU34 LOWER



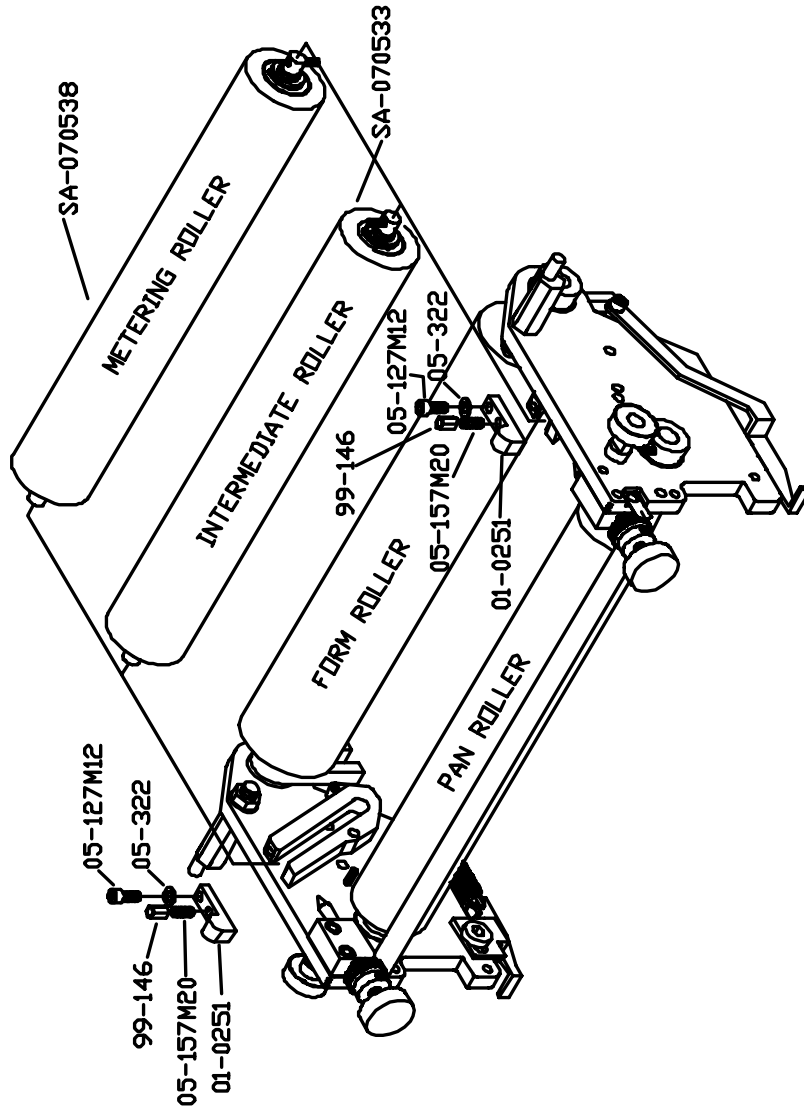
34J11603, 7-18-97

BRIDGE ROLLER ACTIVATION ASSEMBLY
HAMADA DU34II LOWER UNIT



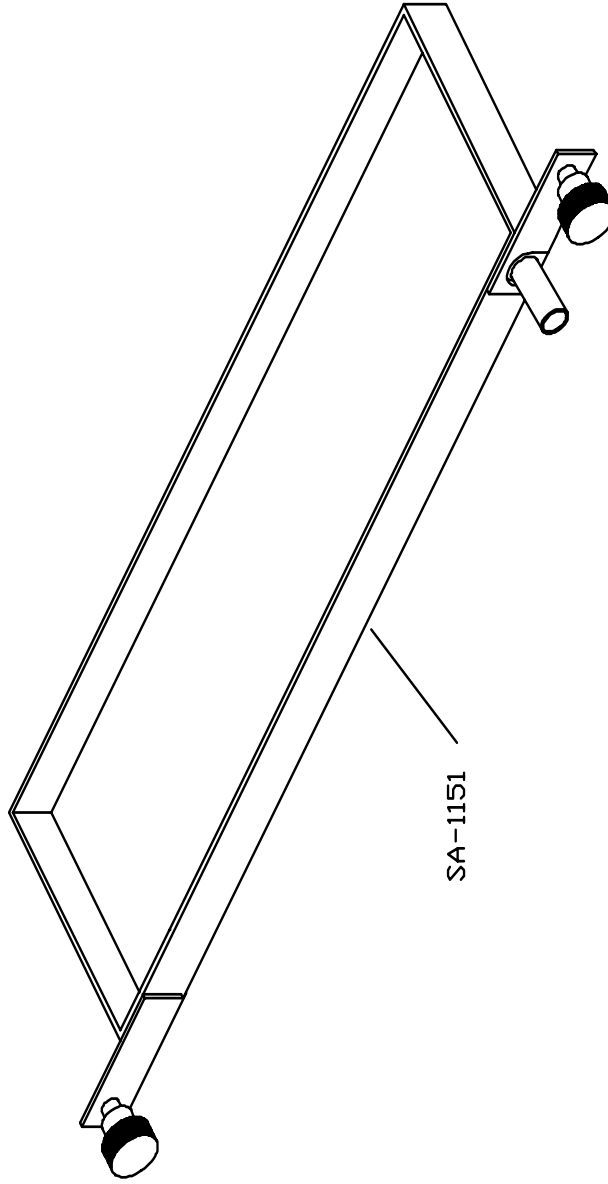
34LJIC04, 12-12-97

DAMPENER ASSEMBLY
INT. AND METERING ROLLER PLACEMENT
HAMADA DU34 LOWER UNIT



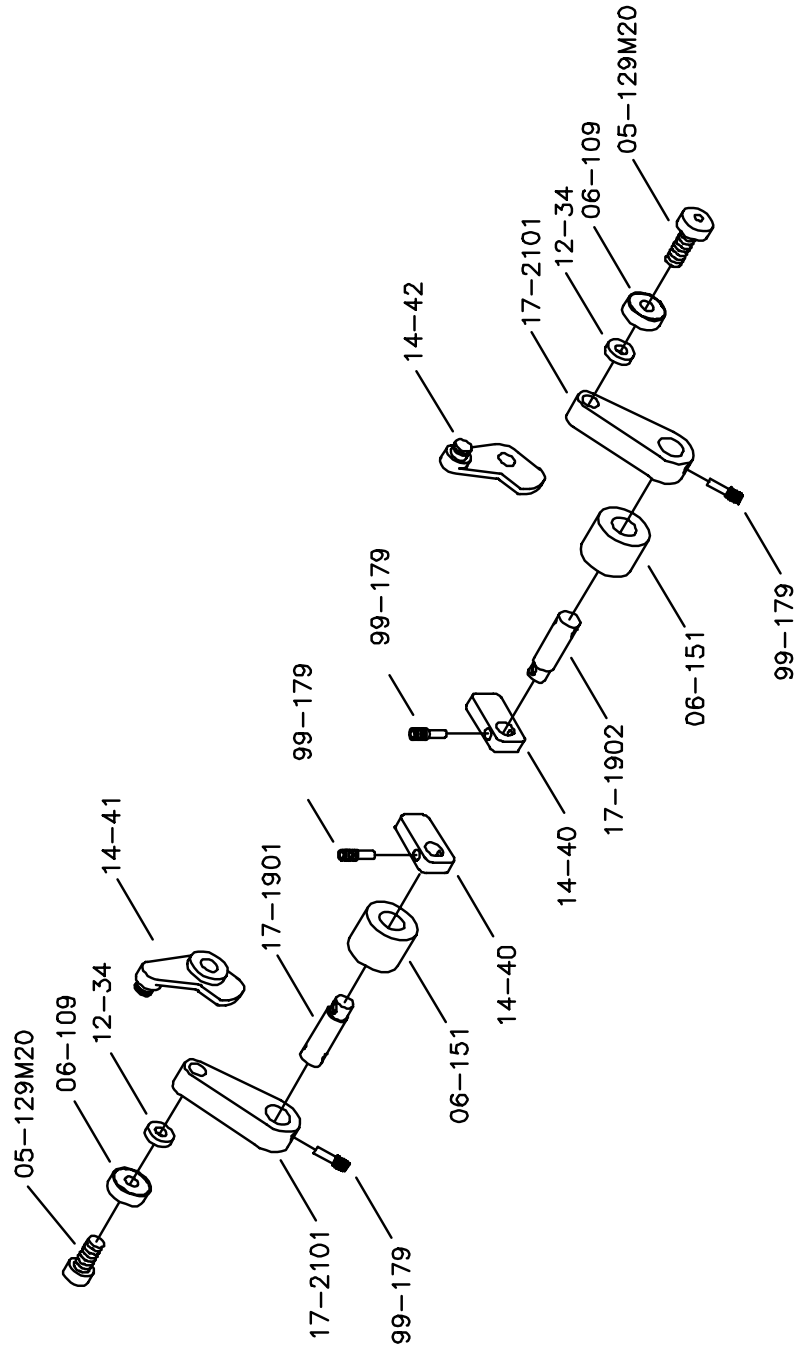
34LJC05, 6-85-97

WATER PAN ASSEMBLY
HAMADA DU34II LOWER UNIT



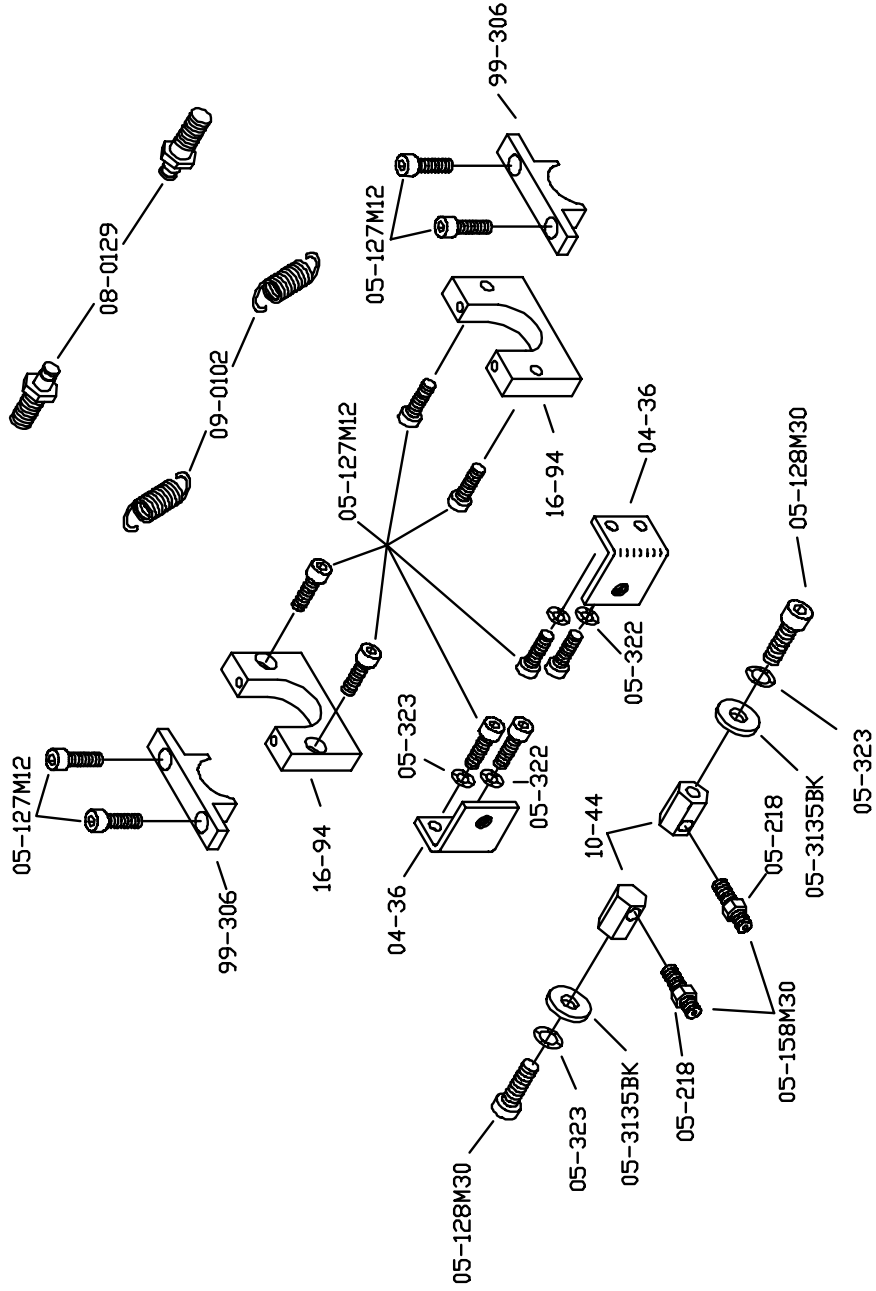
34LII06, 6-25-97

ACTIVATION ASSEMBLY
HAMADA DU34II LOWER



34LIC07, 1-9-98

MOUNTING ASSEMBLY
HAMADA DU34II LOWER



34LIC08, 1-9-98



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