

Crestline® Dampening System

PRINTERS PARTS
800-543-1117 201-935-9595
fax 800-392-4072 201-935-5333
www.ppsnj.com

Installation Instructions

Multi 1850, 1960



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:

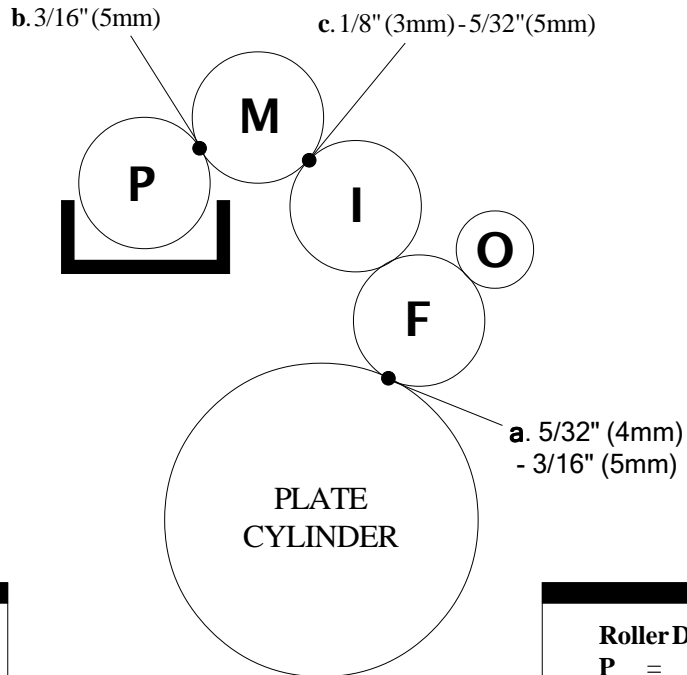
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SAFETY INFORMATION

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. Metering to Pan
- c. Metering to Intermediate

Roller Description

- P** = Pan
- M** = Metering
- I** = Intermediate
- O** = Oscillator
- F** = Form

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 info@accel-us.com
WEBSITE www.accel-us.com

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

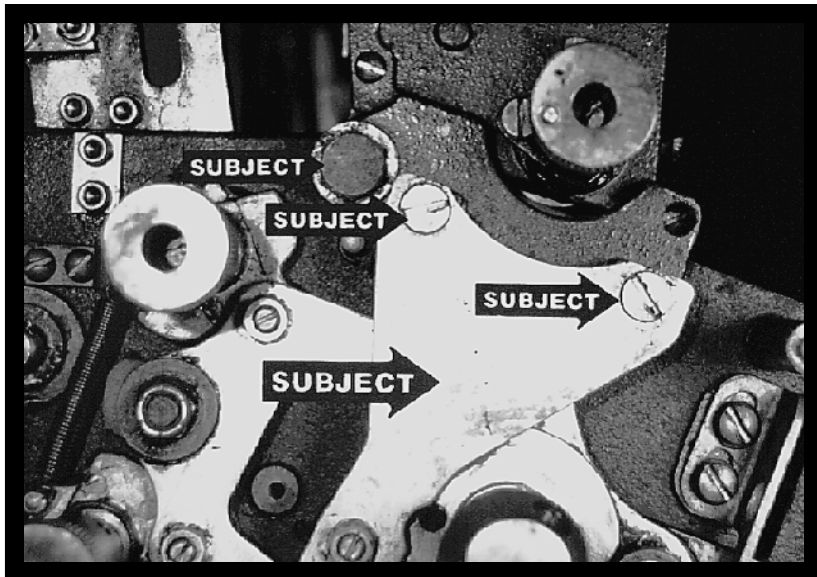
GENERAL INFORMATION

REQUIRED TOOLS

1. Phillips Screwdriver
2. Standard Screwdriver
3. 5/8" Open End Wrench
4. 7/16" Open End Wrench
5. 3/32" Allen
6. 1/8" Allen
7. 5/32" Allen

PRE-INSTALLATION PROCEDURES

1. Cut the ties holding the rollers and examine for gouges, scratches or nicks.
2. Check box and parts board to make sure all pieces are present and nothing has been damaged in shipment.
3. Check the dampener alignment by setting it on end on a flat surface. A cutter bed works best. If the dampener rocks, it needs to be realigned. Loosen tie bar bolts at OPS and allow the frames to align themselves on the flat surface. Retighten bolts.



DISASSEMBLY

1

Remove operating handles and upper side covers from OPS & NOPS sides of the printing head. Remove the water tray and cloth covered rollers from the dampener unit and top rider and oscillator rollers from inker. Remove the two screws and bolt indicated by the subject arrows.

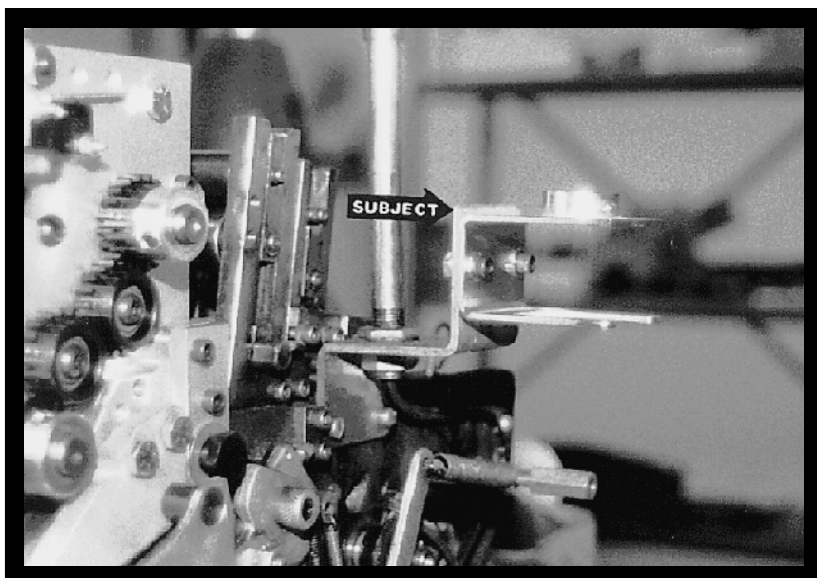
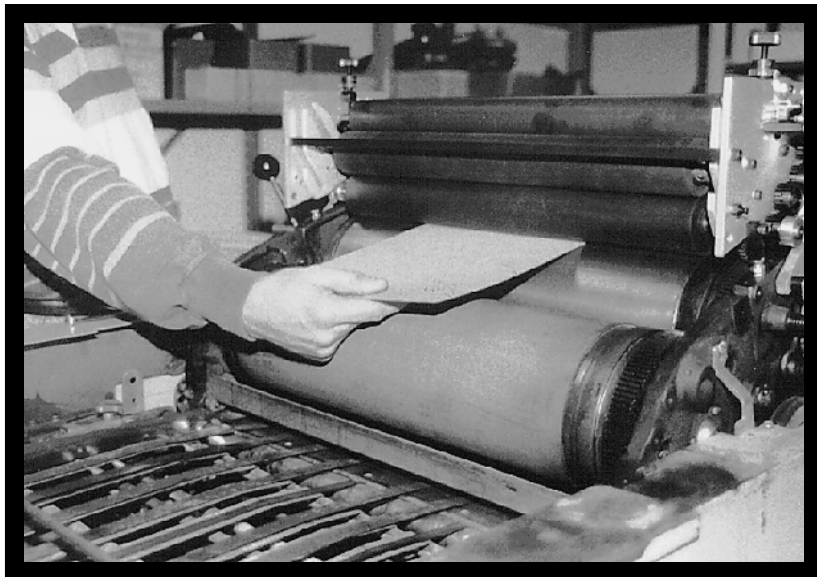
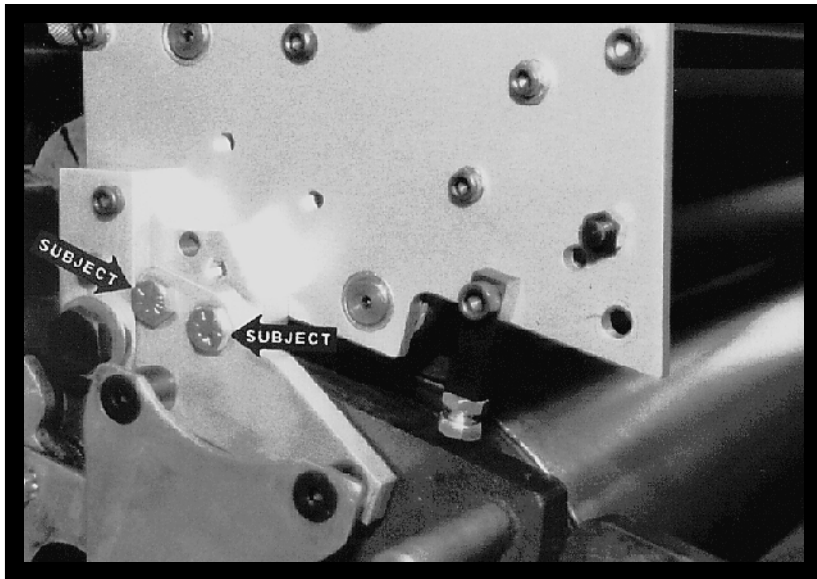
2

This is done at both OPS & NOPS.

3

Lift the dampener out of the press. Make sure the tie bar (formerly held by large bolts) between the frames doesn't drop down. Also, be careful that the springs holding the lift arms (Arm indicated by large subject arrow in previous picture) do not come unhooked.

7



INSTALLATION

1

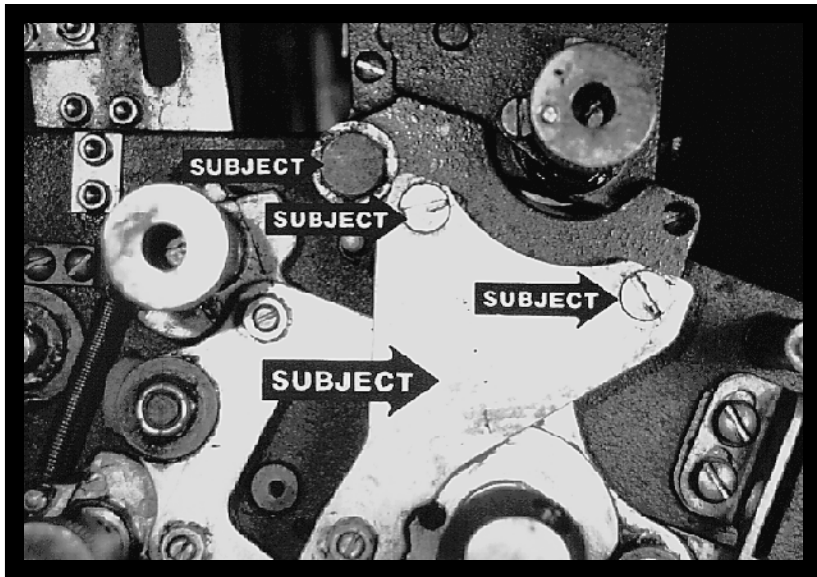
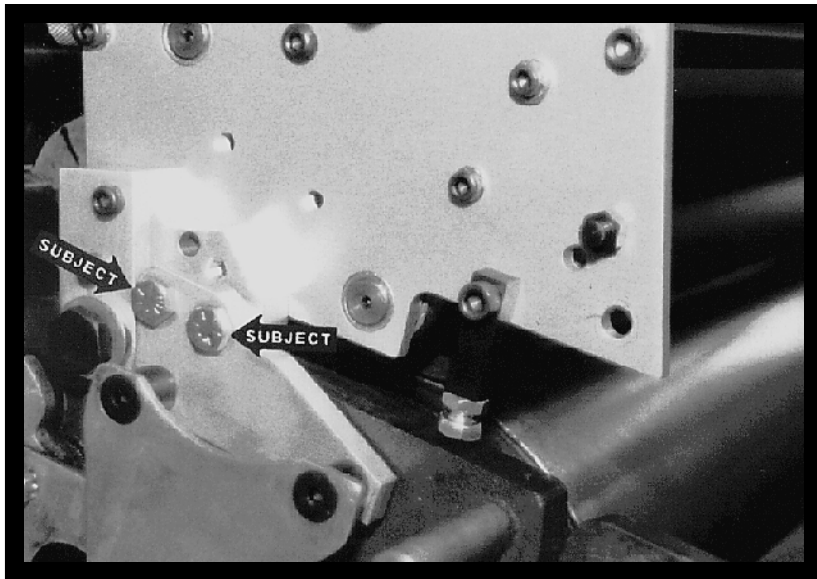
Place the dampener on the press frames and bolt in place at OPS & NOPS using the bolts #99-43 provided (subject arrow). Make sure the press tie bar goes back into its original position.

2

Attach the press lift arms to the dampener block (upper subject arrow) at OPS & NOPS using the flat head bolts #05-144100 and spacers #12-400 (middle subject arrow) provided. The spacer will go between the press arm and dampener block and the countersink will face outward. After the arm is attached, make sure its ball bearing is riding on the detent disk (lower subject arrow) properly.

3

Attach the water bottle bracket #99-20 to the existing bracket as shown and hook the water hose up to the water bottle cup.





1

DAMPENER LIFT ADJUSTMENT

After dampener is mounted, loosen but do not remove the hex head bolts in the dampener block (subject arrow). Temporarily reinstall the single lever handle. Drop the dampener down to the plate cylinder by moving the single lever to the first indent.

2

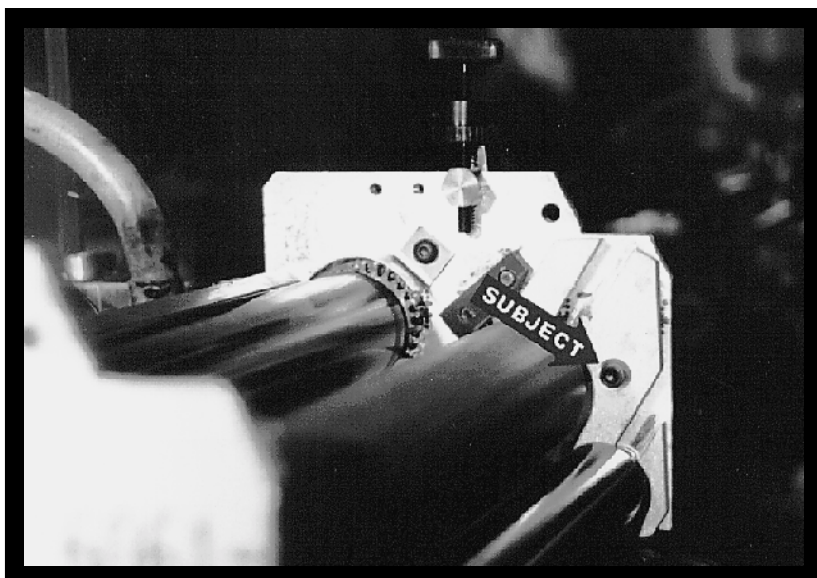
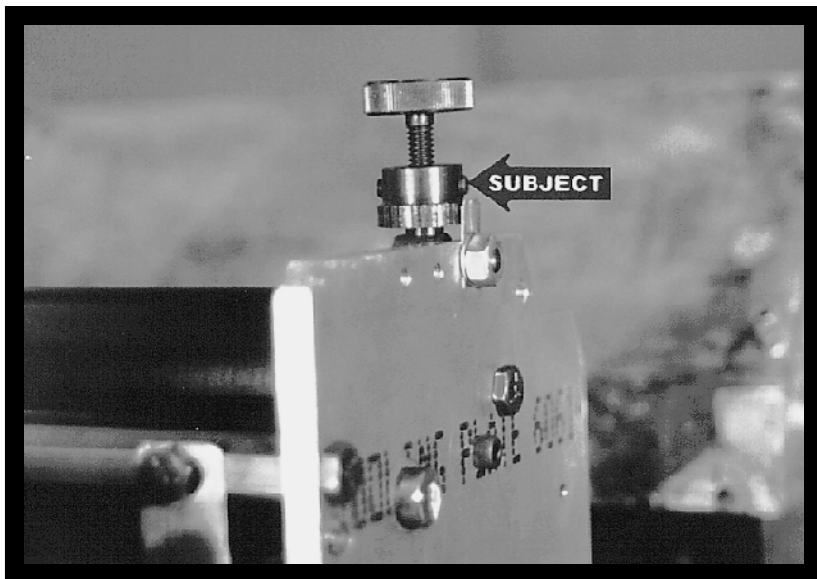
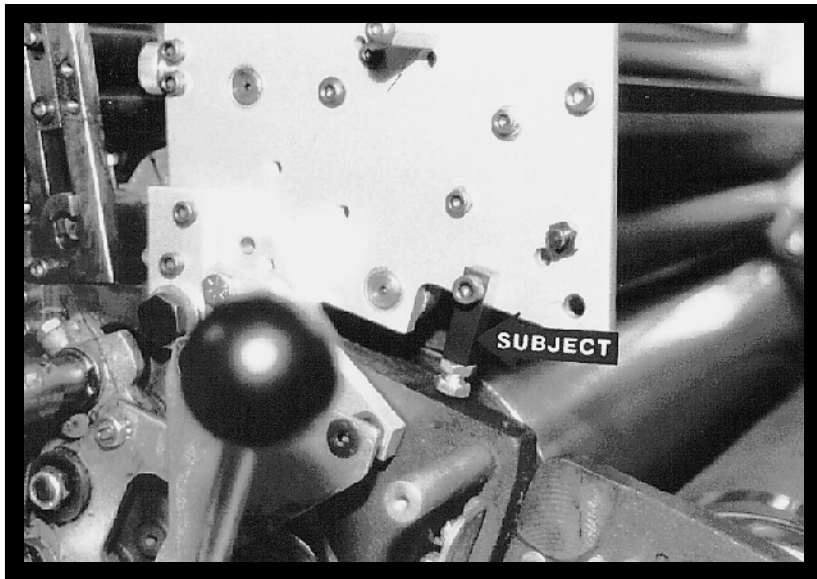
DAMPENER LIFT ADJUSTMENT CONTINUED

Take a piece of chipboard or 2-3 sheets of paper and roll by hand between the plate cylinder and dampener form roller as indicated in picture. Retighten hex head bolts loosened in the previous step. Place single lever back in the OFF position and remove chip board.

3

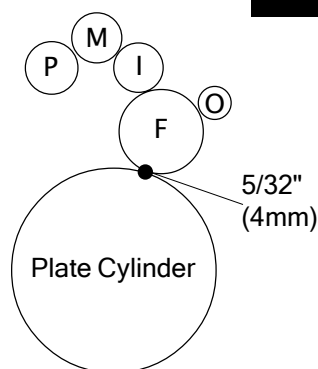
DAMPENER LIFT ADJUSTMENT CONTINUED

Mount a metal plate to the cylinder. In the OFF position, the dampener form roller should be .030" - .040" off the plate. If not adjust the eccentrics on the press arms at the OPS & NOPS, until proper lift is achieved. Activate single lever a few times and make sure the dampener moves up and down freely.



FINAL ADJUSTMENTS

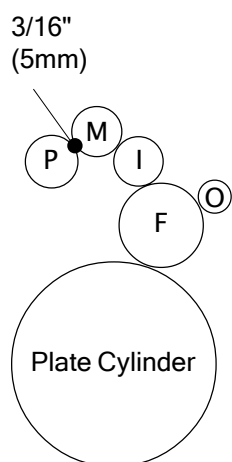
4



FORM ROLLER TO PLATE CYLINDER PRESSURE

Dab a small amount of ink on the dampener oscillator and run the press slowly for 1-2 minutes to distribute. Move the single lever to the water position and back to off. This will leave a stripe on the plate. Rotate the press backwards by hand to view it. It should be $5/32"$. If not, you must adjust the hex bolts in the dampener stripe adjustment block (subject arrow). Turning the bolt head down toward the press frame will reduce the stripe width and vice-versa. When proper stripe is achieved, secure bolt with lock nut. If necessary, adjust the angle of the stripe adjustment block so that the hex bolt is perpendicular to the press frame.

5

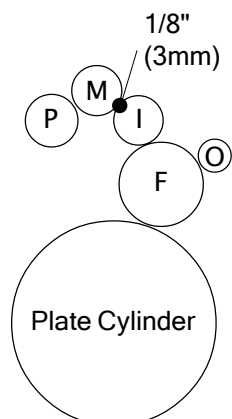


MAXIMUM METERING TO PAN ROLLER PRESSURE

Set pressure between the metering and pan rollers as follows:

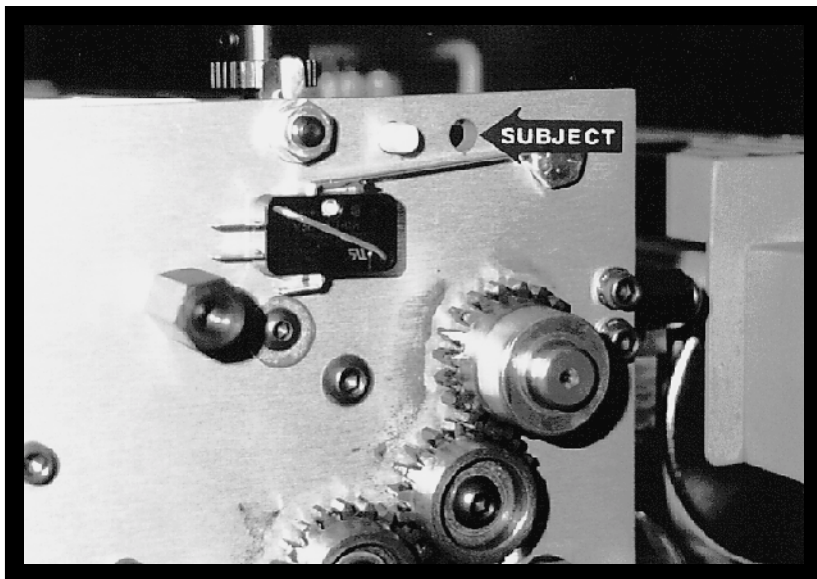
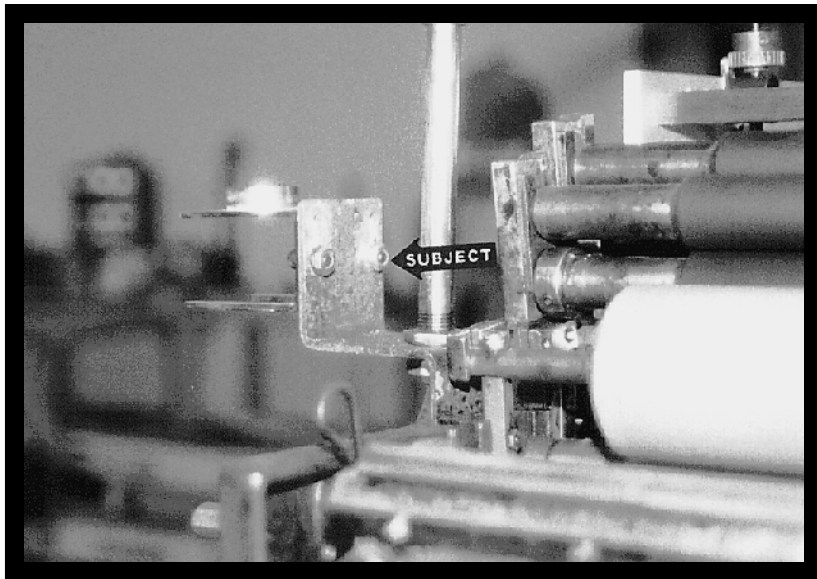
- A.** Spin the ratchet gear (subject arrow) down until it stops against the cross bar. The ratchet gear is not yet locked into the knurled knob.
- B.** The knurled knobs will press the metering roller against the pan roller. Adjust these knobs until an even $3/16"$ stripe is obtained let it idle for about 20 seconds and shut it off. Then allow the press to sit still for another 20 seconds. Bump the press forward with the hand wheel. A stripe will appear on the roller.
- C.** When proper stripe is obtained, lock ratchet gear to knurled knob with the 2 set screws.

6



METERING TO INTERMEDIATE ROLLER PRESSURE

Adjust metering to intermediate roller pressure by loosening the hanger bolt (subject arrow) and pivoting the entire hanger assembly towards the metering roller. (Bolts located at OPS & NOPS.) Check the stripe between the metering and intermediate rollers and adjust until it is an even $1/8"$ - $5/32"$. The best way to check the stripe is to drop the water form to the plate and rotate the press backwards by hand.



FINAL ADJUSTMENTS

7

LEVEL OF WATER IN PAN

Fill water bottle and place in bottle bracket. Adjust the water height by raising or lowering the bracket using the 2 bolts (subject arrow). Raising will raise the water level and vice-versa. The water should be about 1/2 way up the side of the water pan.

8

Take the 2 inker guard hinge studs #18-0322 from the parts board and attach to the small slots on the inker guard using the bolts & washers provided. The rounded portion of the stud fits through the hole in the side frame (subject arrow). Attach the set collar #13-2531 and cam #14-06 (cam to NOPS) to rounded portion of the stud. Adjust and tighten as needed to make inker guard fit.

NOTE: If you are installing Crestline® on the Multi 1960, the dampener will fit beneath the existing factory safety covers. Therefore, no additional covers are provided.

9

Replace side covers and operating handles. Install new dampener guards if removed and connect safety switch.

YOU ARE NOW READY TO PRINT.

BASIC OPERATION

START OF DAY

- A. Make sure the oscillator, lower intermediate and metering rollers are in place.
- B. Spin knurled knobs until the shoulder on the ratchet stops against the stud bar.
- 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. Dab the ink on the oscillator only.
- 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 Dampener 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. Drop both the dampener and ink forms to the plate. In general, the dampener will pick up enough roller wash off the plate to clean itself. Apply wash directly to the dampener only when necessary.
5. Use wash up attachment as normal. The plate cylinder is being used as a bridge between the dampener and inker. Solution transfers from the dampener to the plate, plate to inker, and inker to wash up attachment.
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.

NOTE: Wash-up mats may be used in place of the above procedure if desired.

END OF THE DAY

1. Wash up dampener. 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.

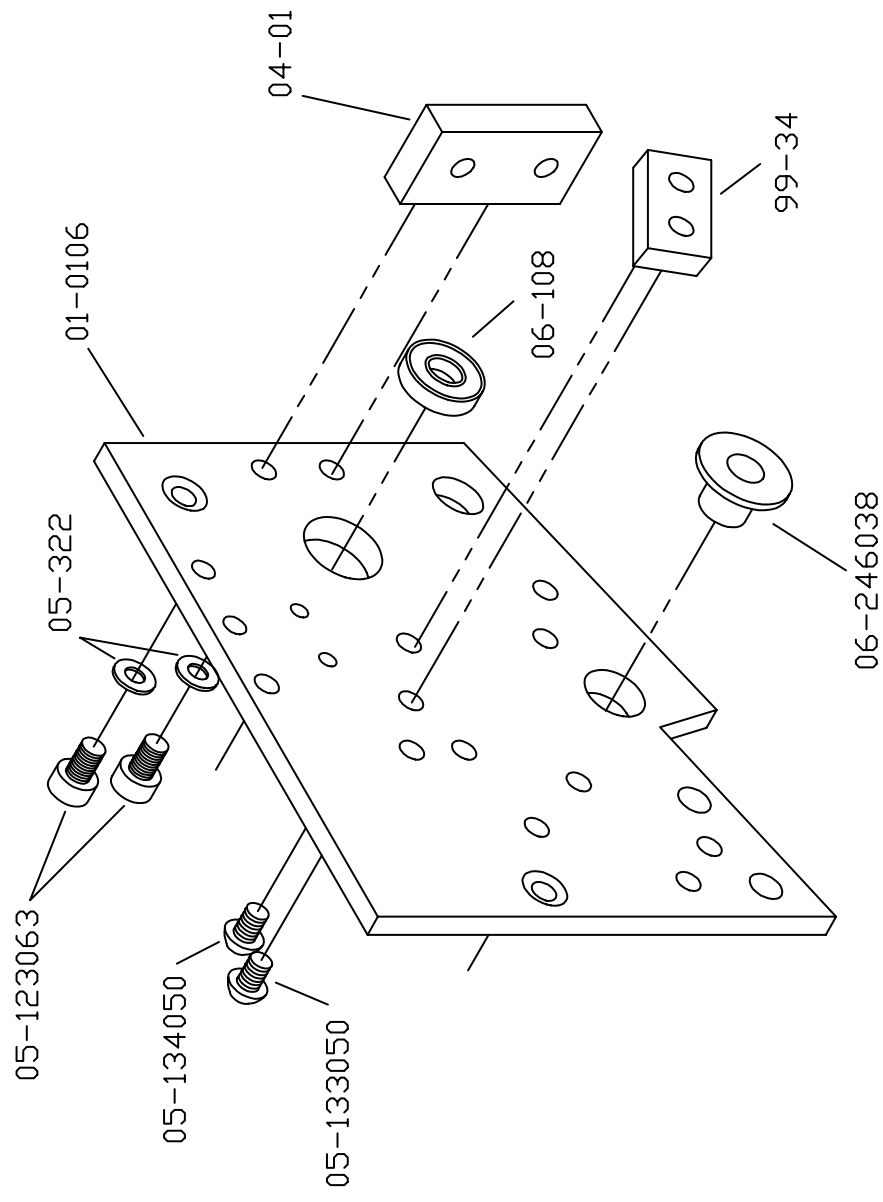
OILING AND GREASING THE DAMPENER

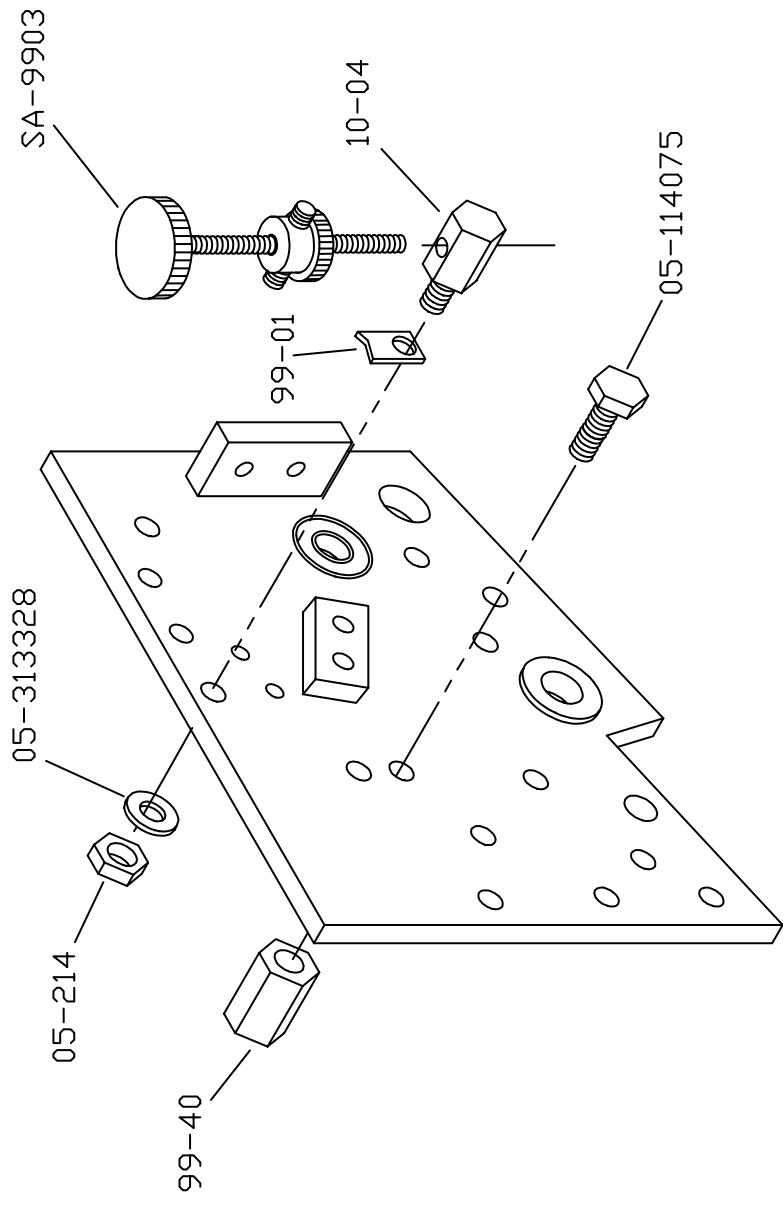
- A. Place a small amount of grease on the gears once a month.
- B. Inject grease into the oscillator grease fitting once a month.

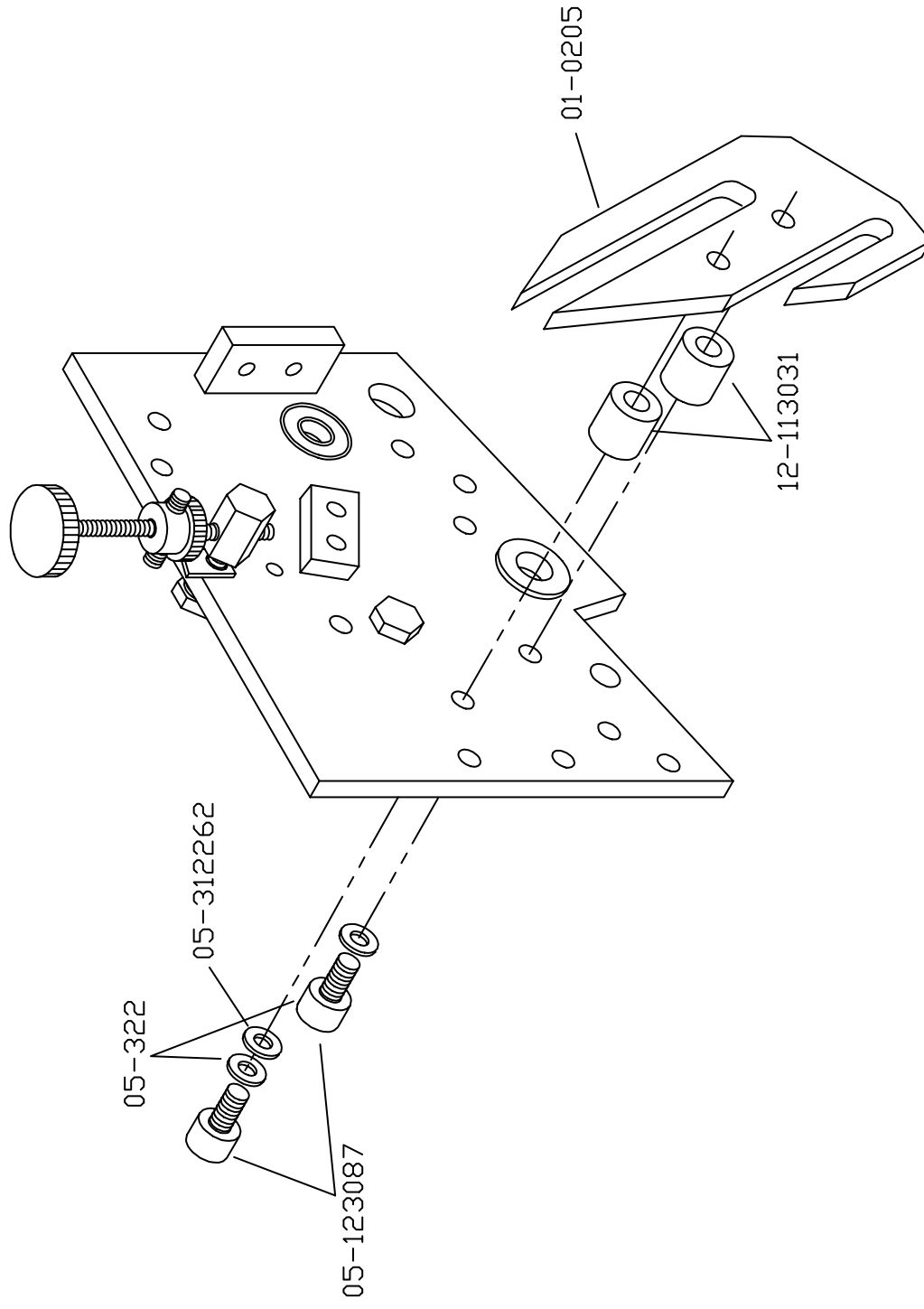
CLEANING & MAINTENANCE

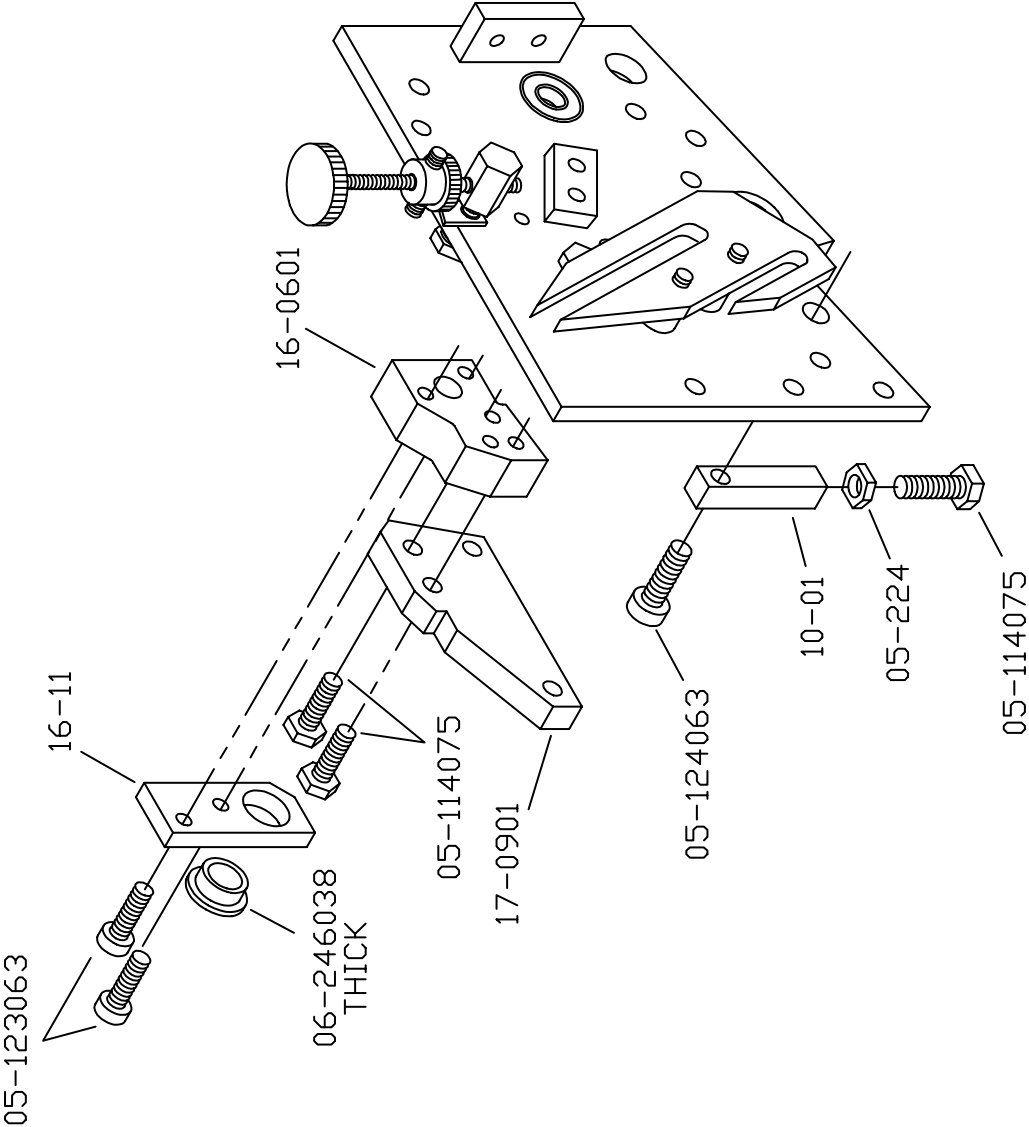
CRESTLINE CLEANING & MAINTENANCE CHART

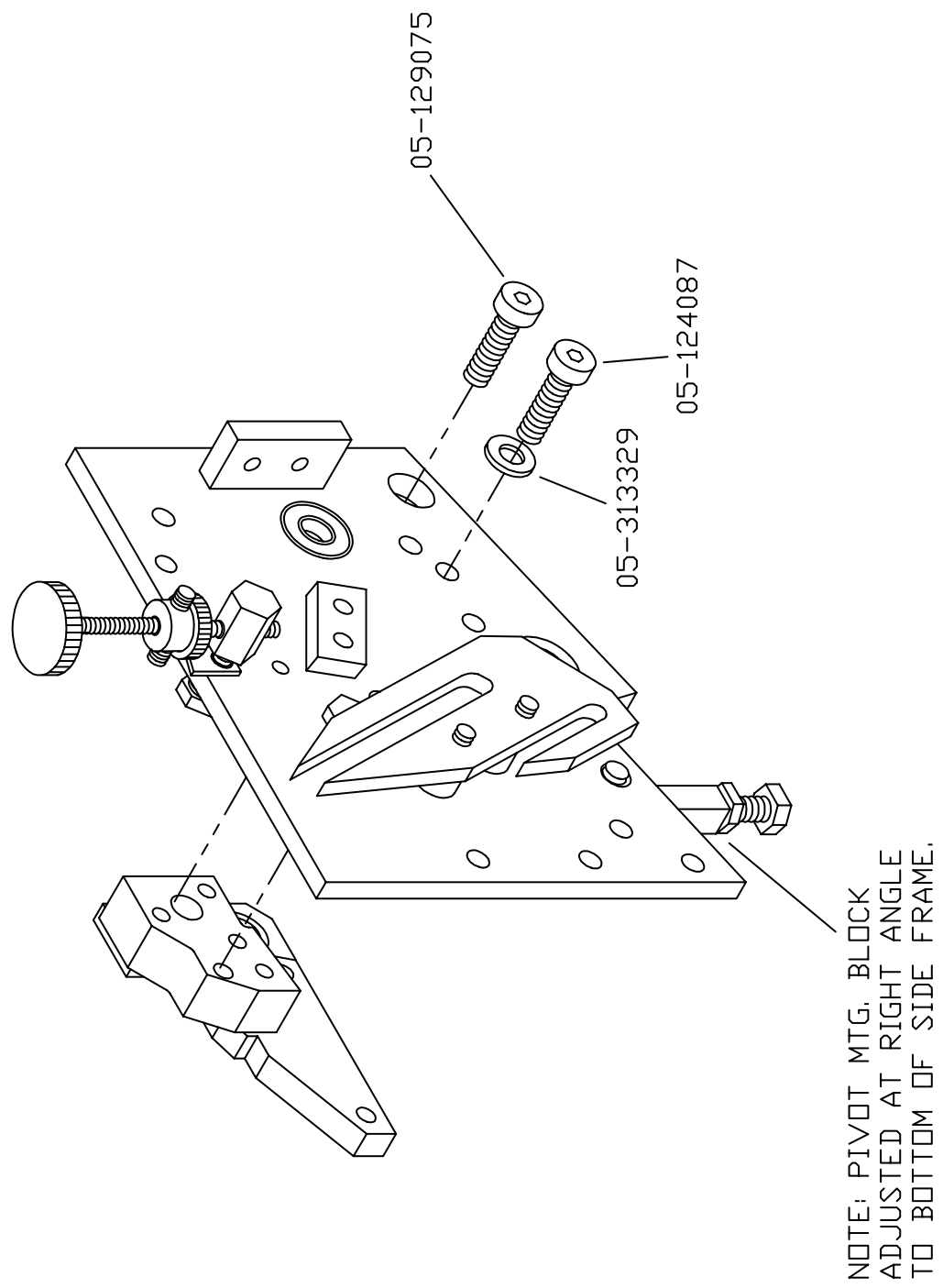
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Wash Rollers	✓			
Deglaze Rollers				
Metal Plate Users			✓	
Silvermaster Plate Users			✓	
Electrostatic Plate Users		✓		
Grease Gears				✓
Inspect Ball Bearings				✓
Check Roller Pressures				✓
Check Roller Surfaces				✓

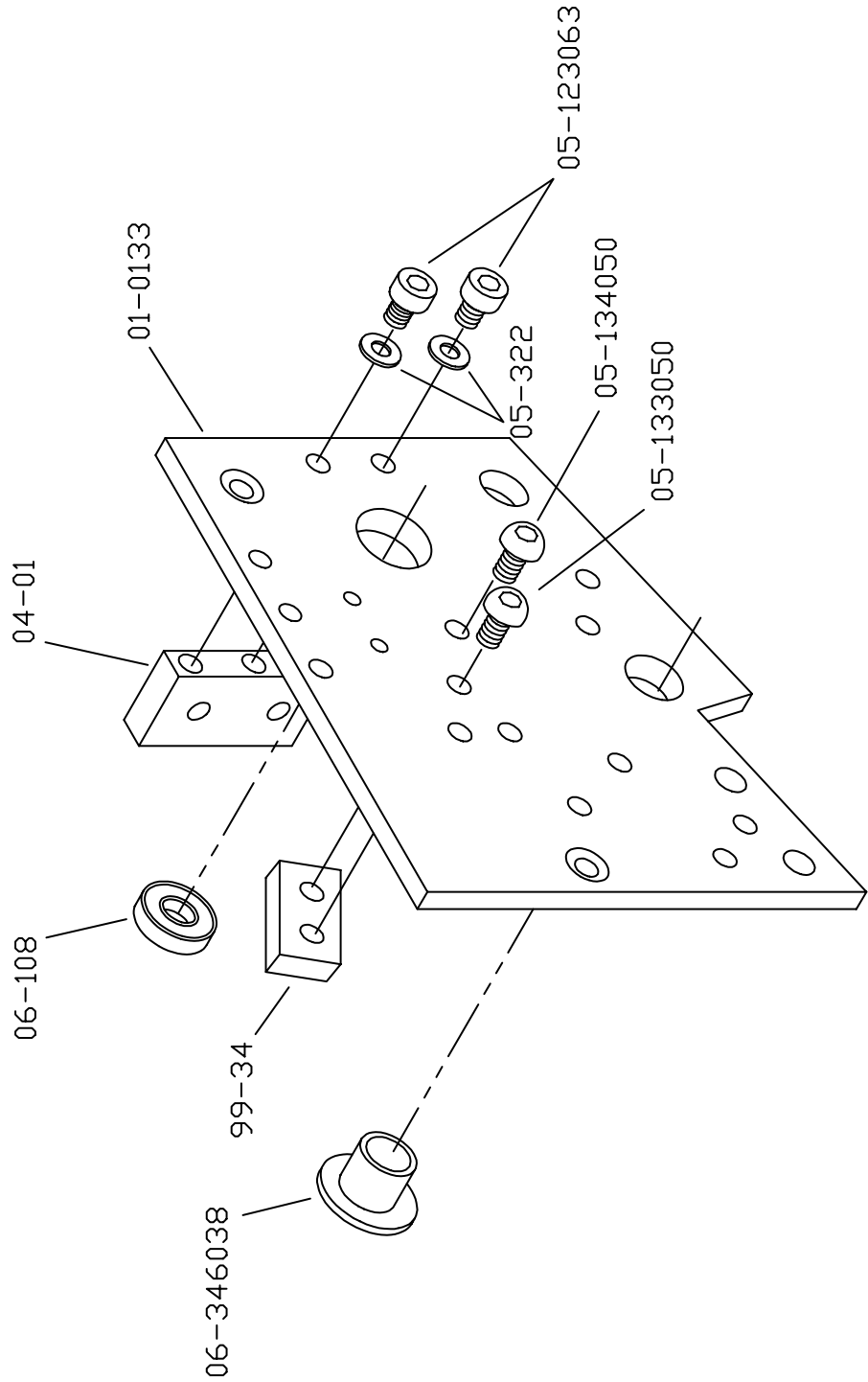


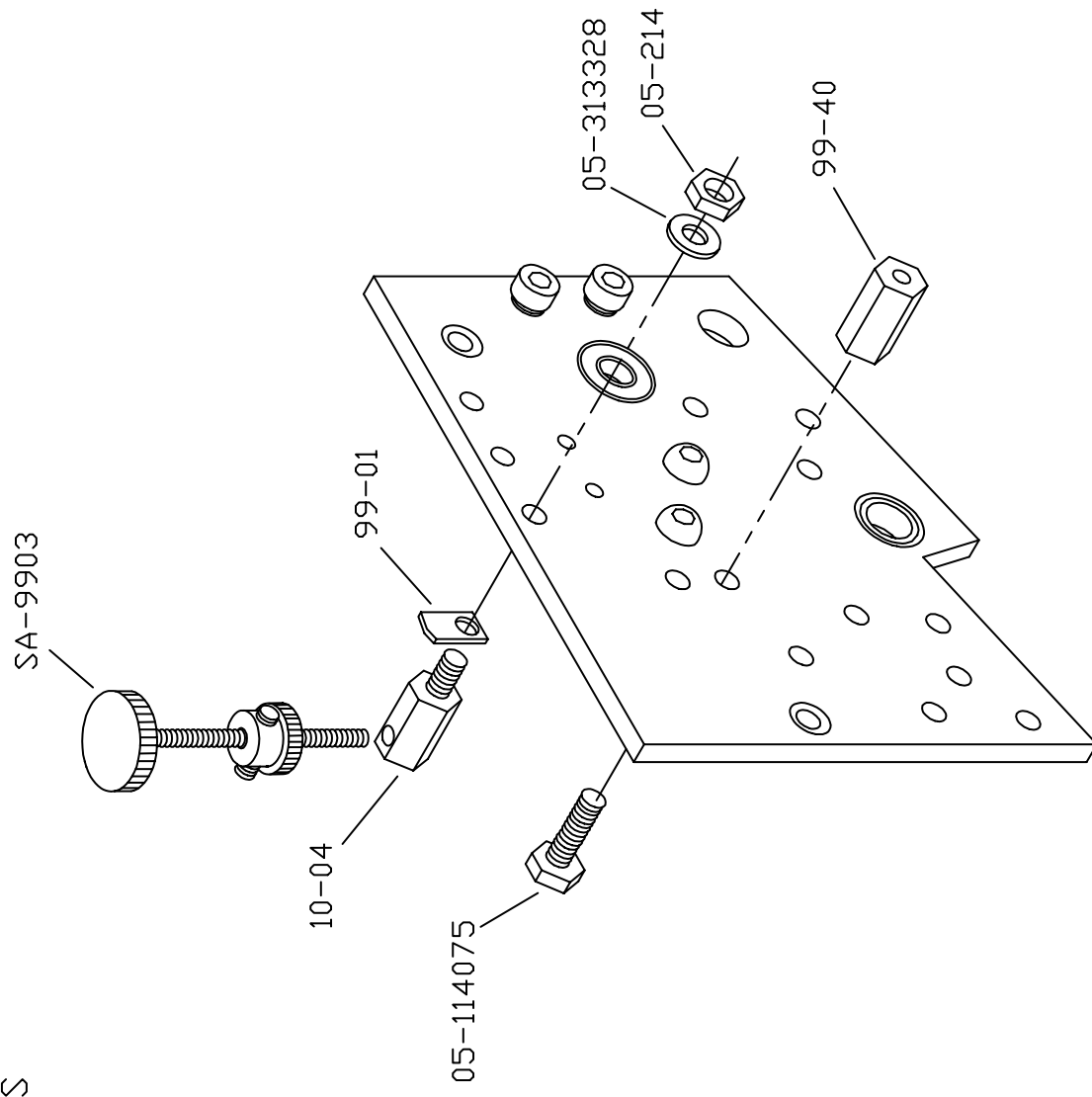


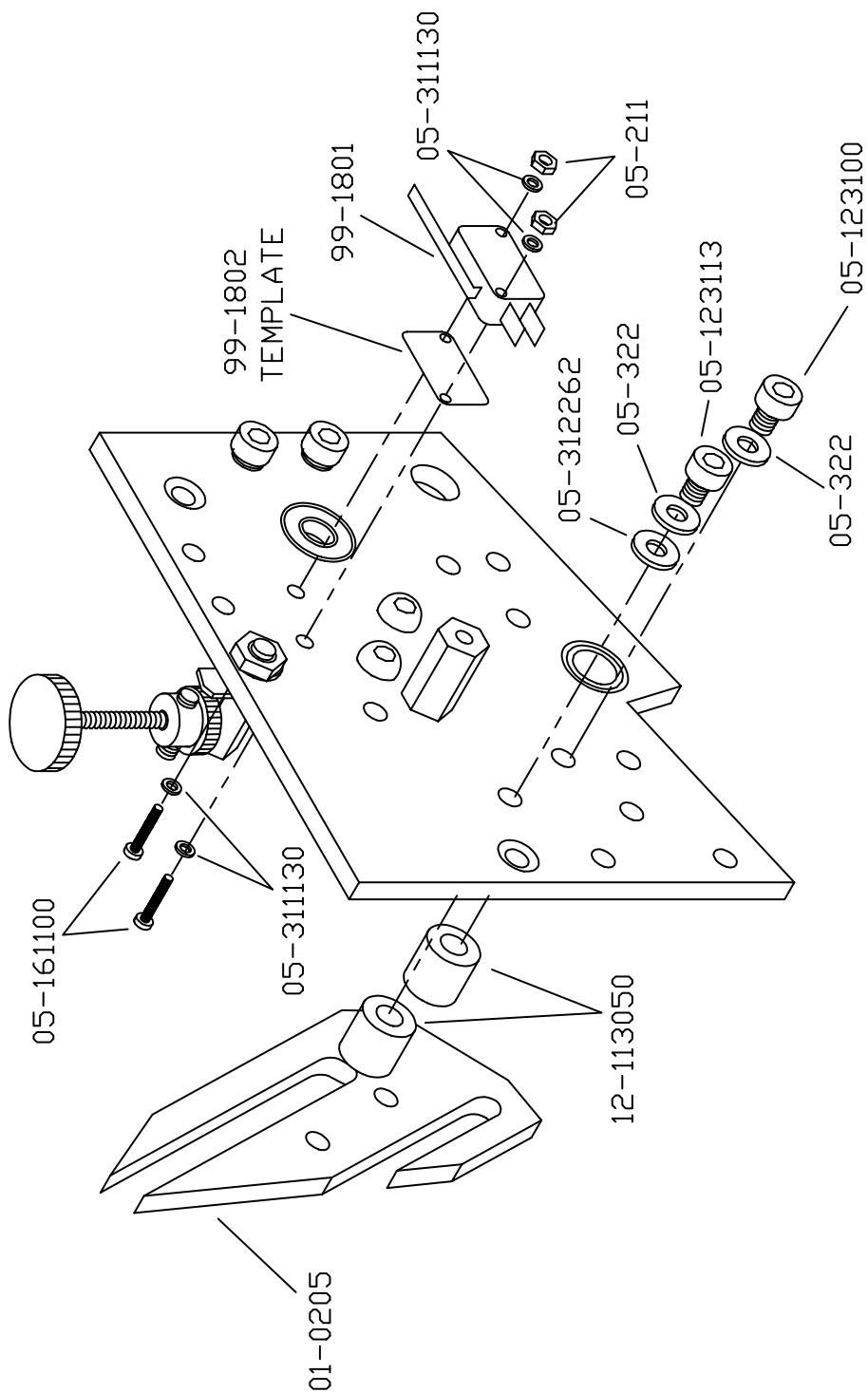


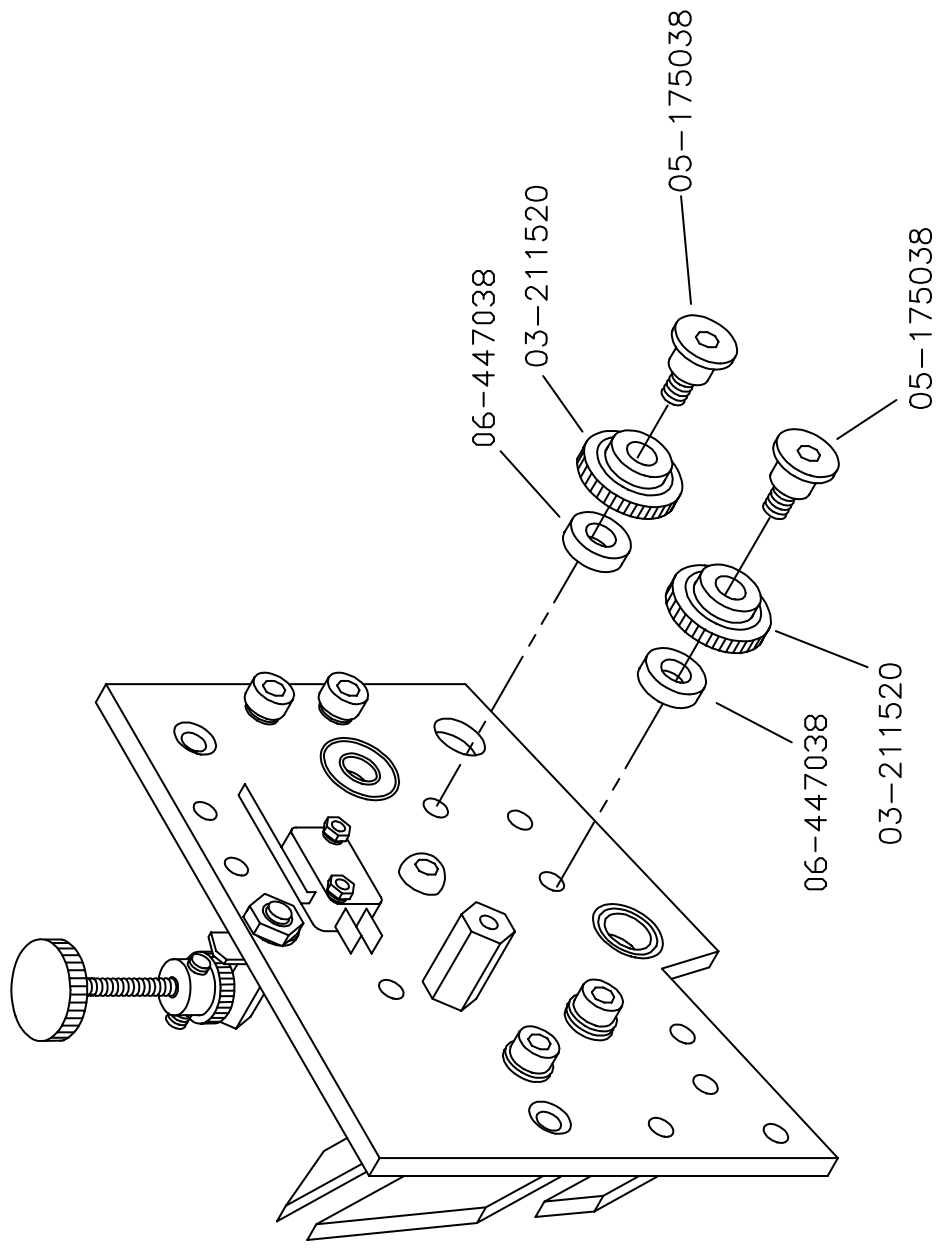


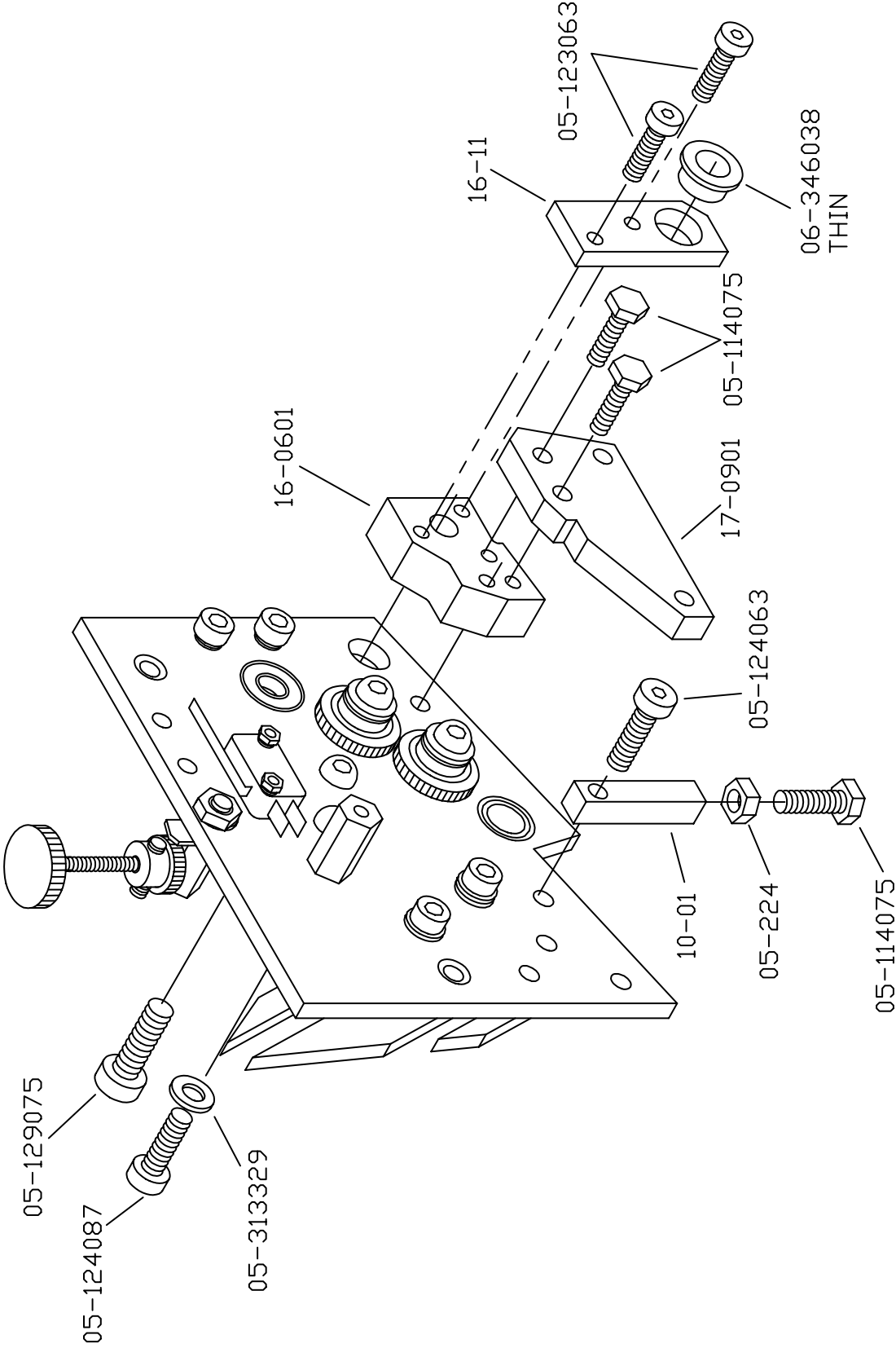


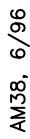












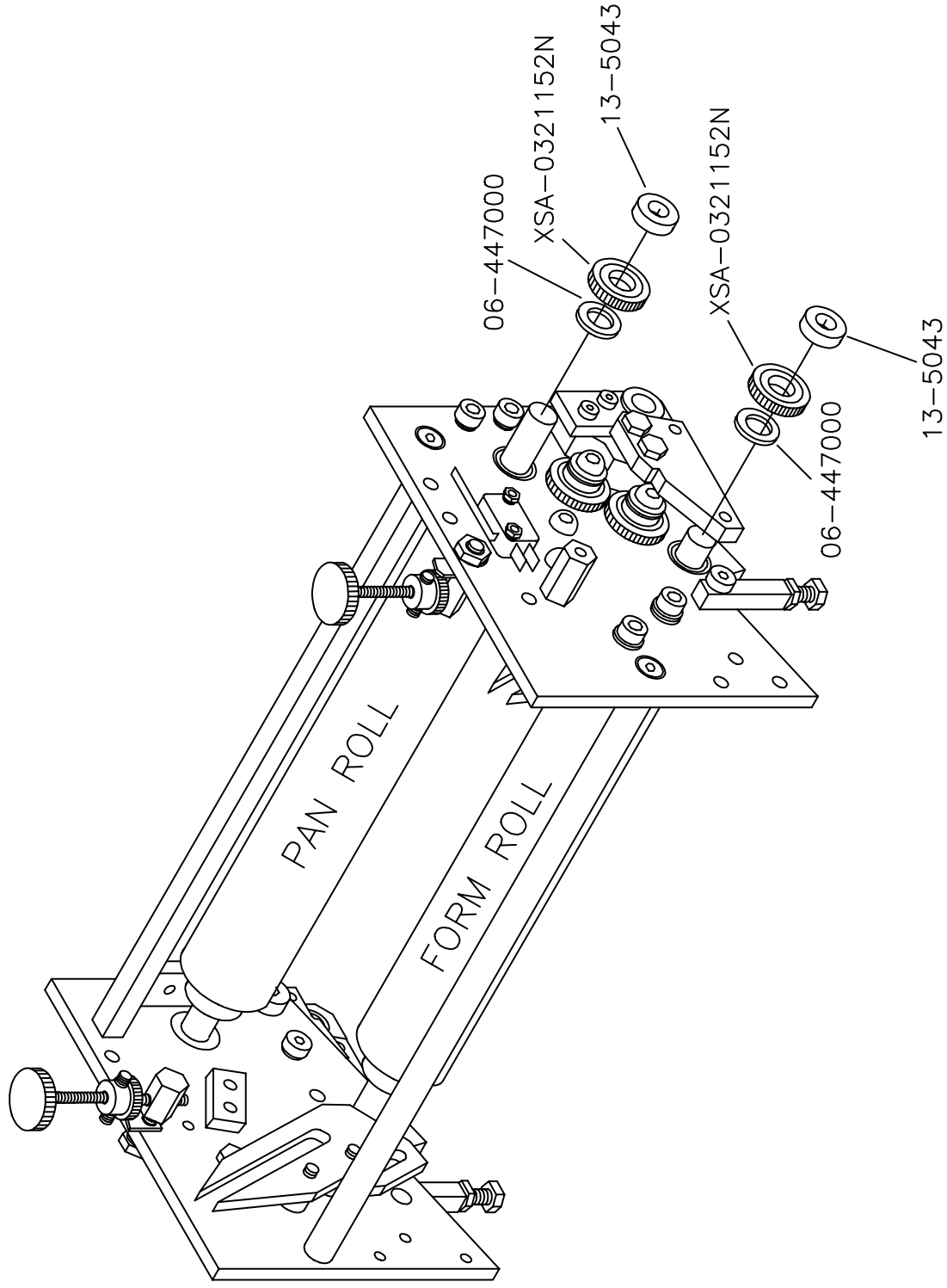
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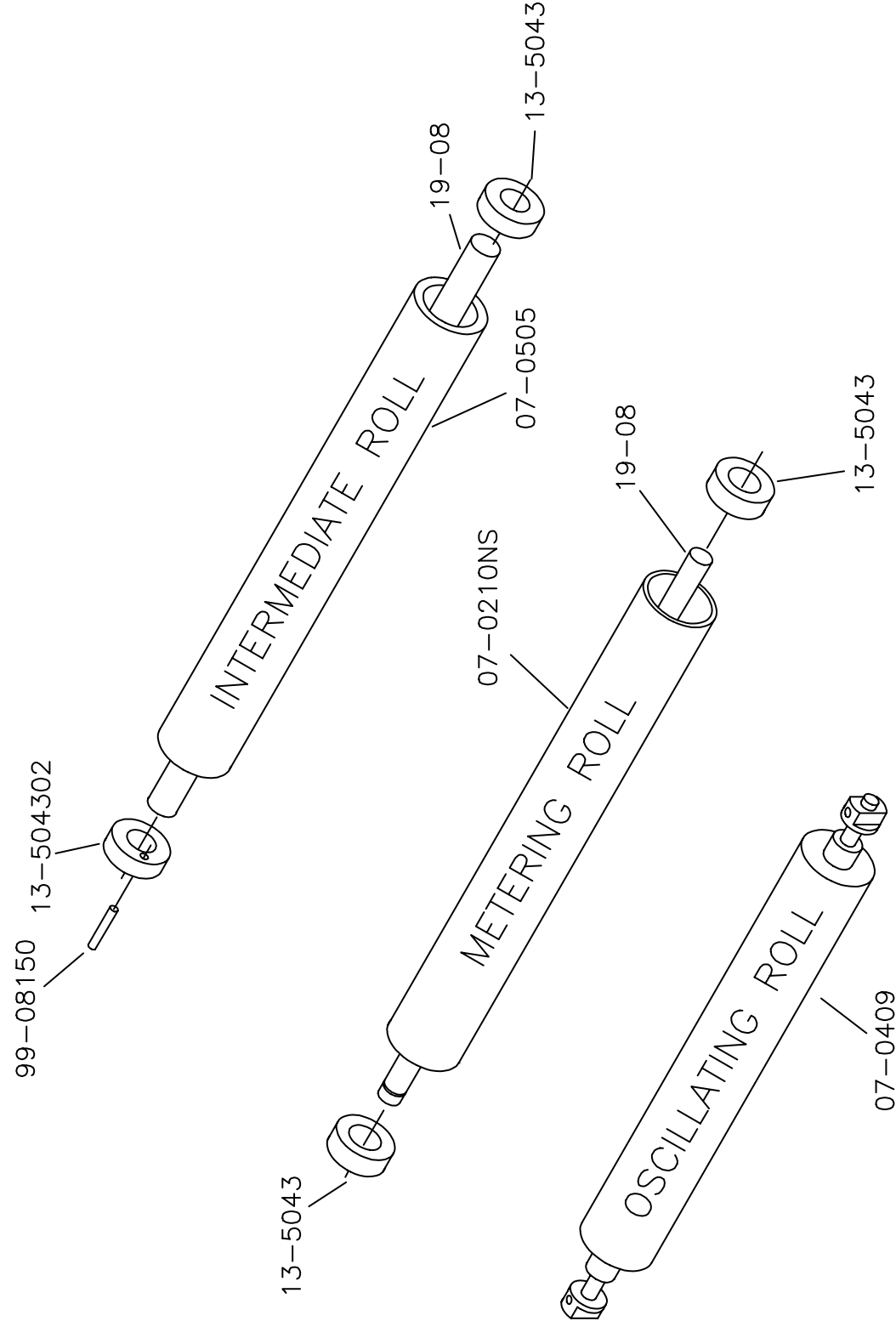
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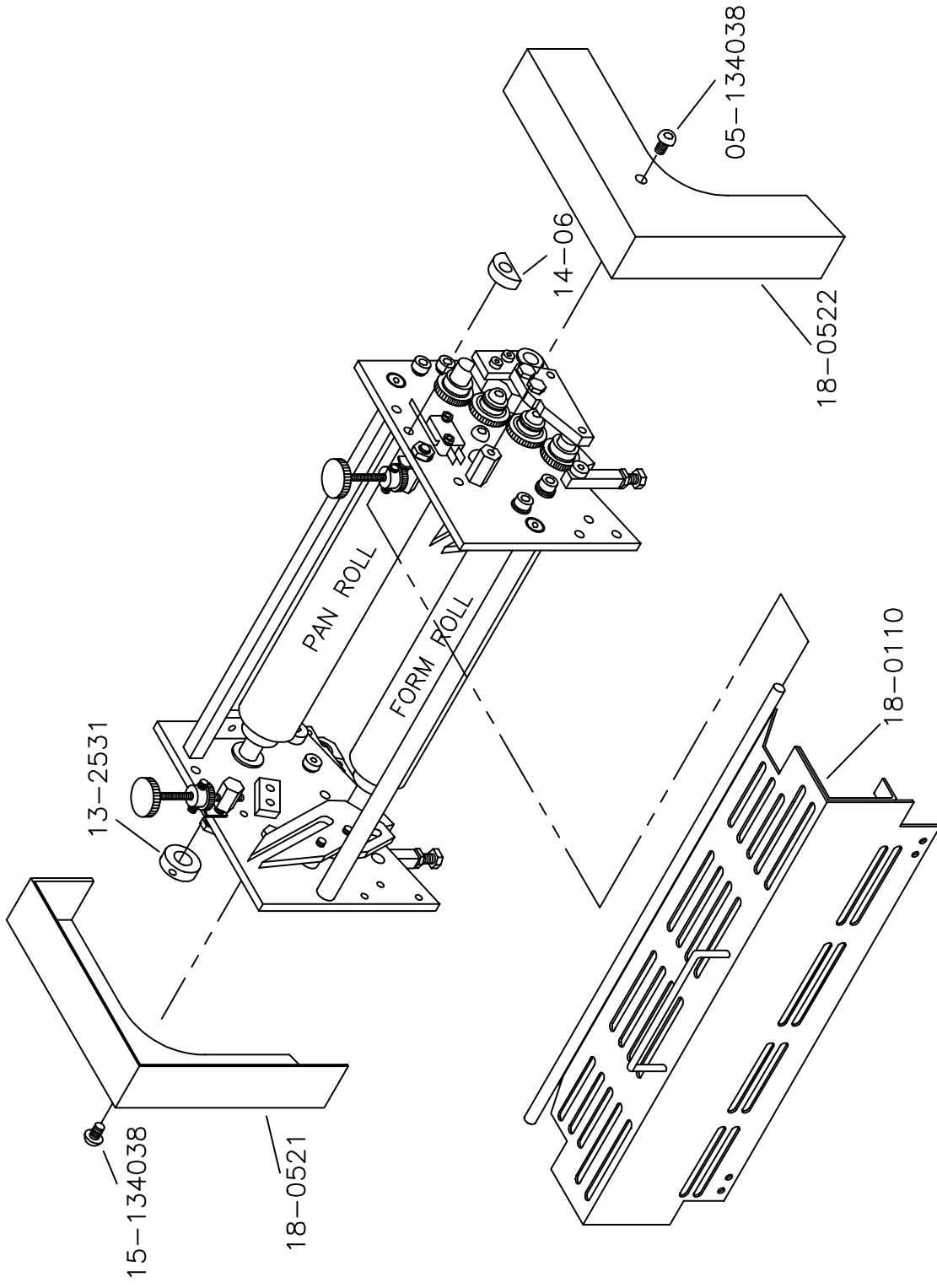
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FORM ROLL

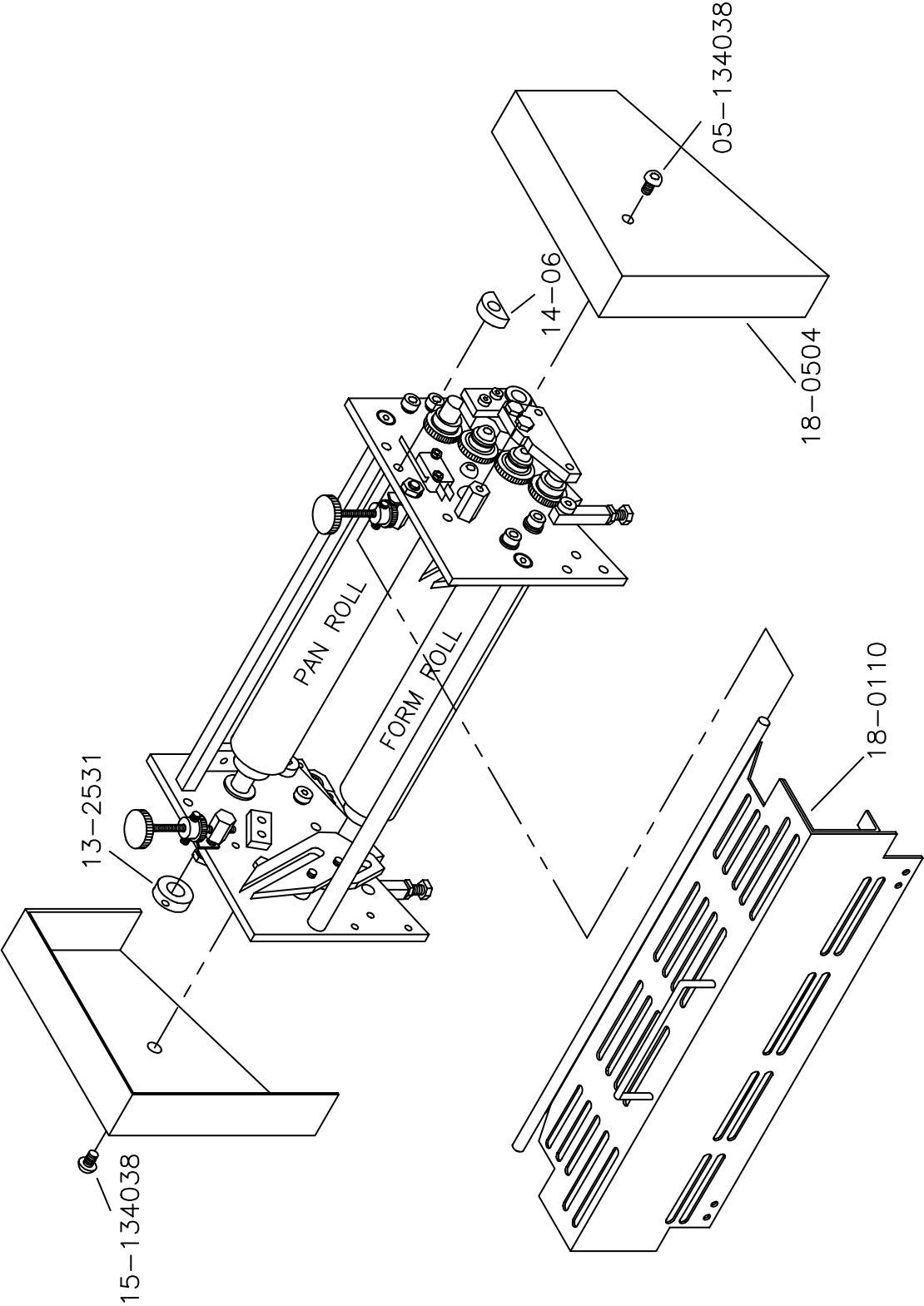
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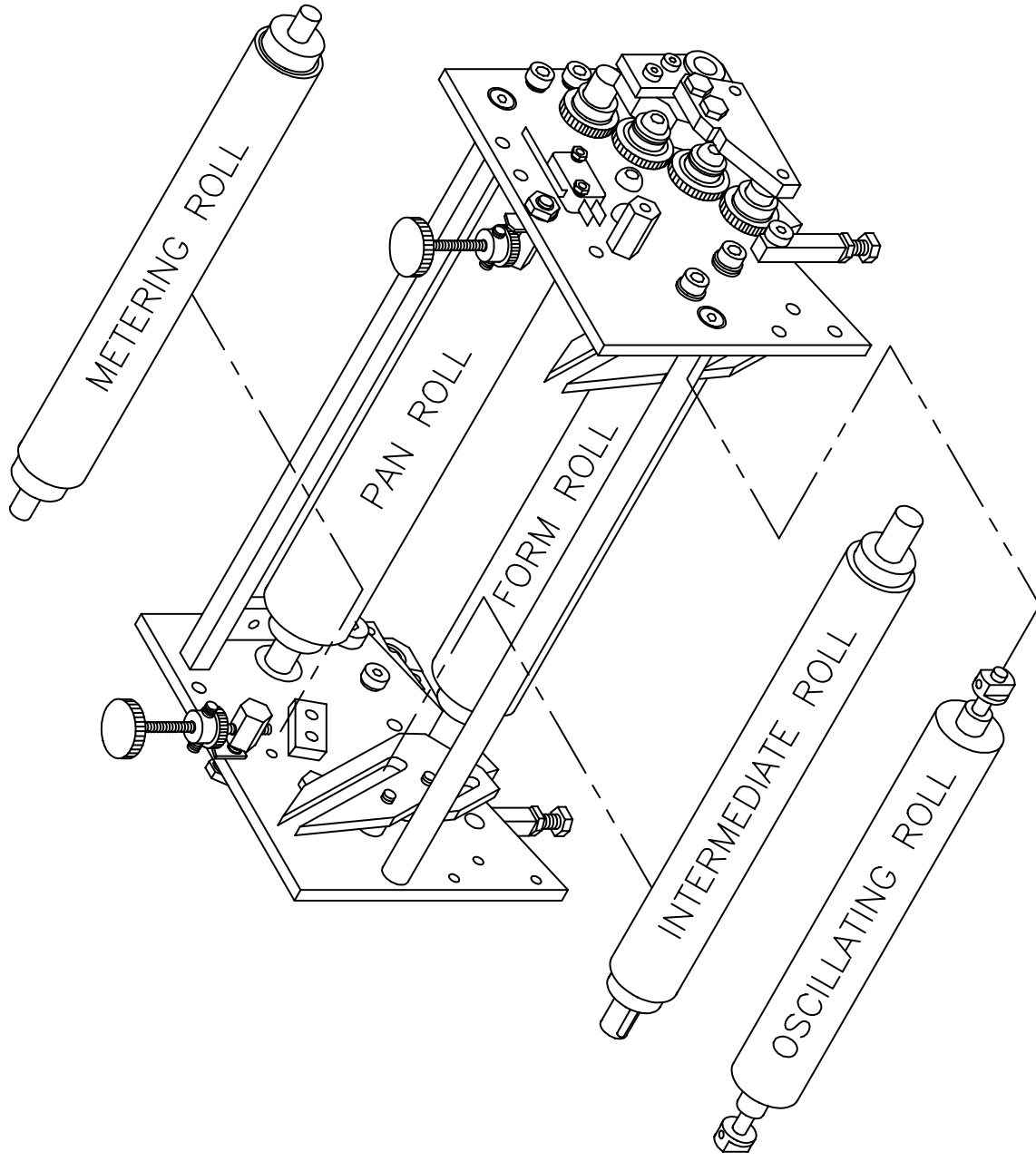




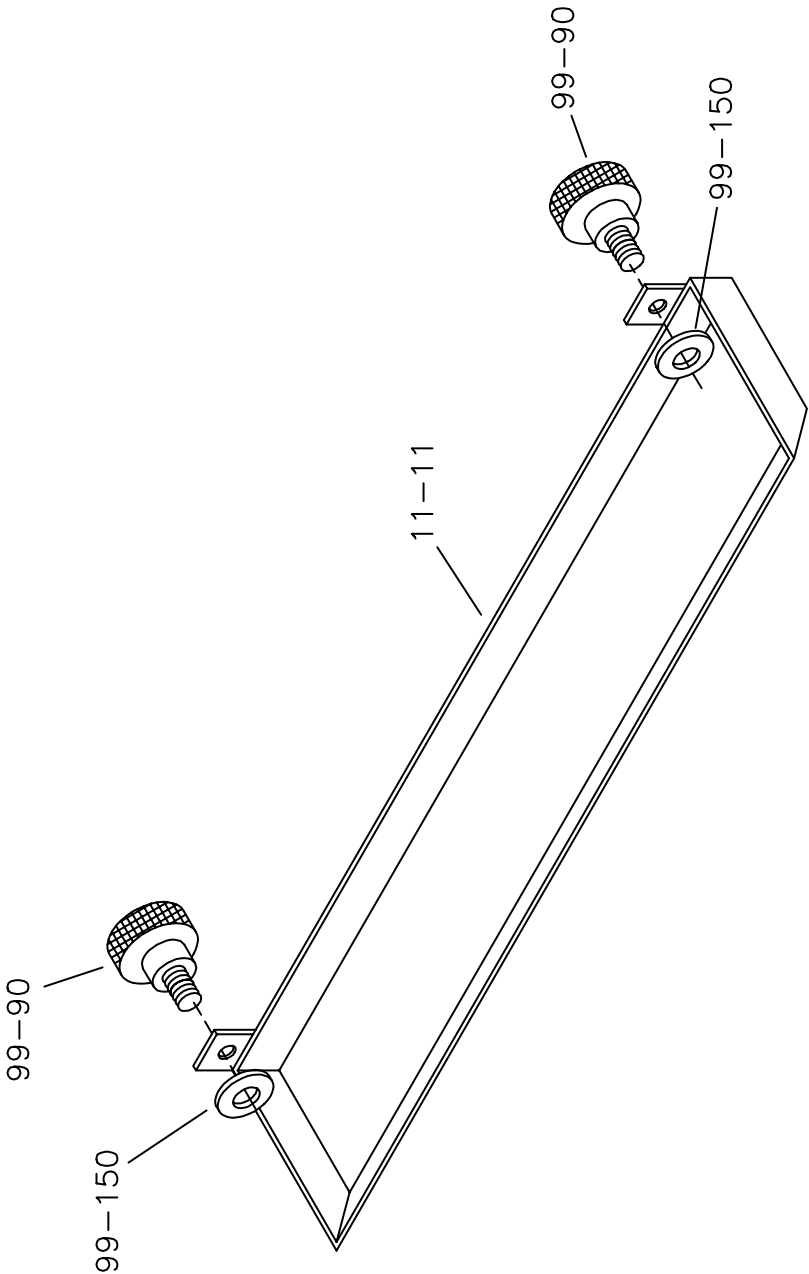


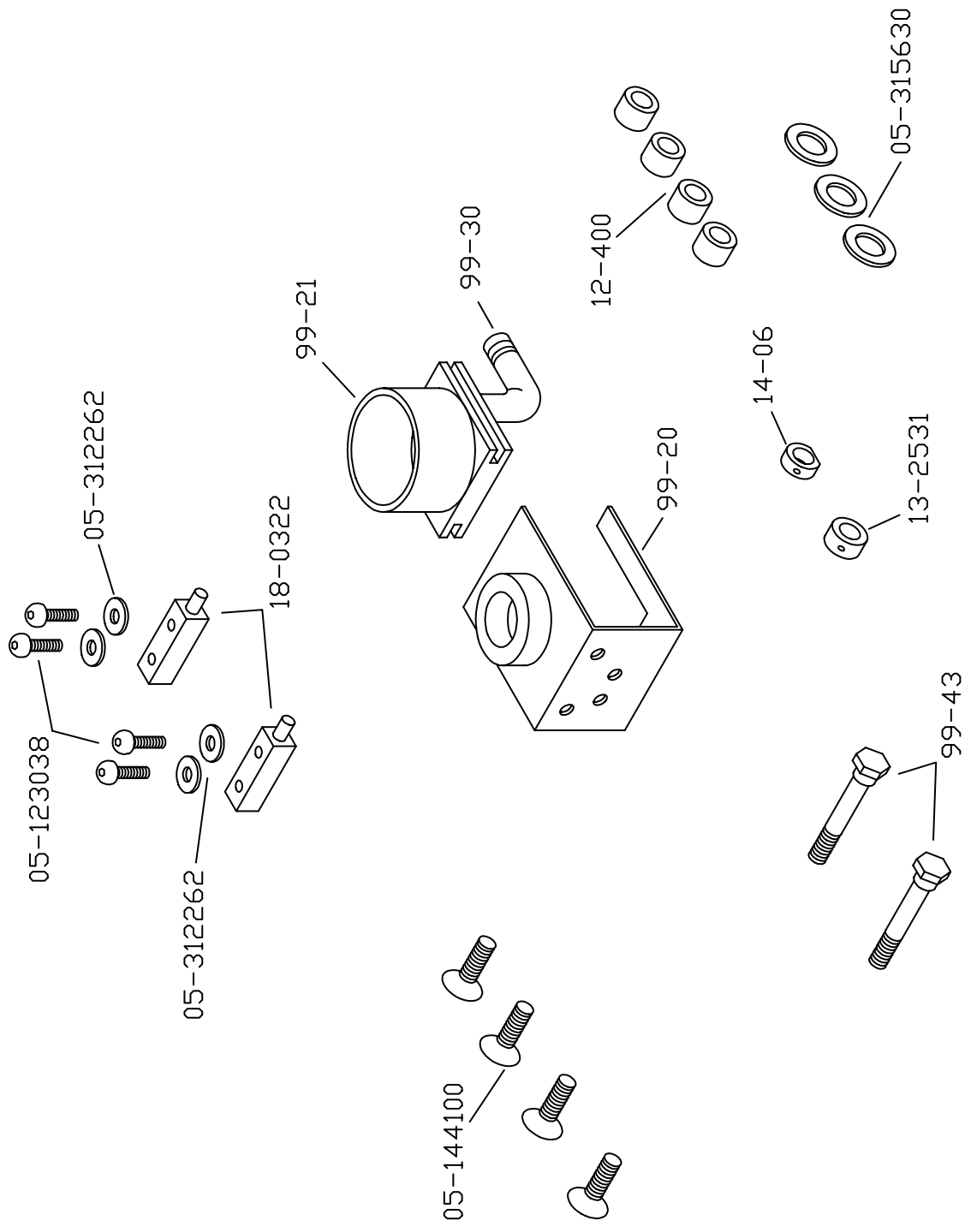
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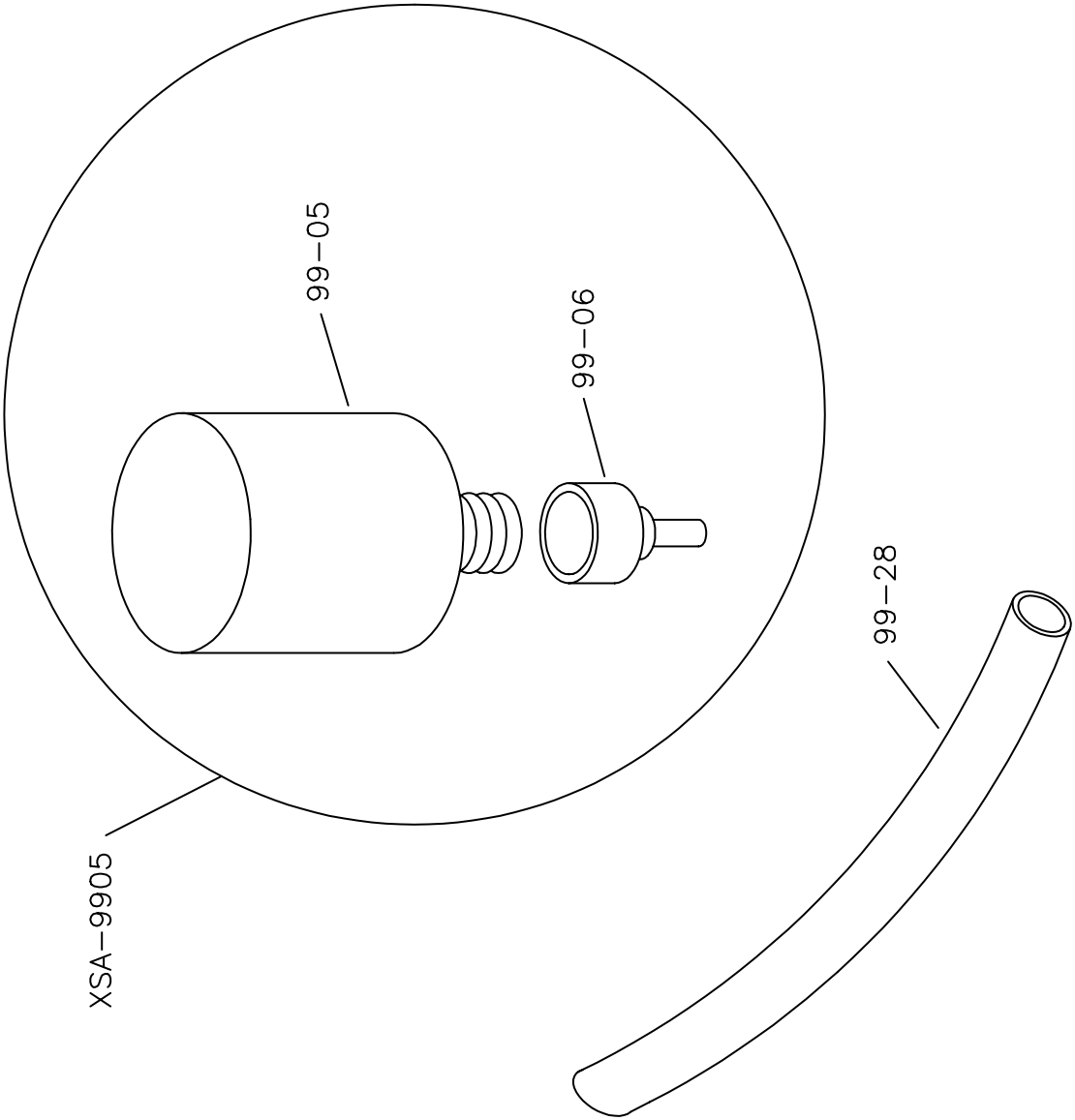


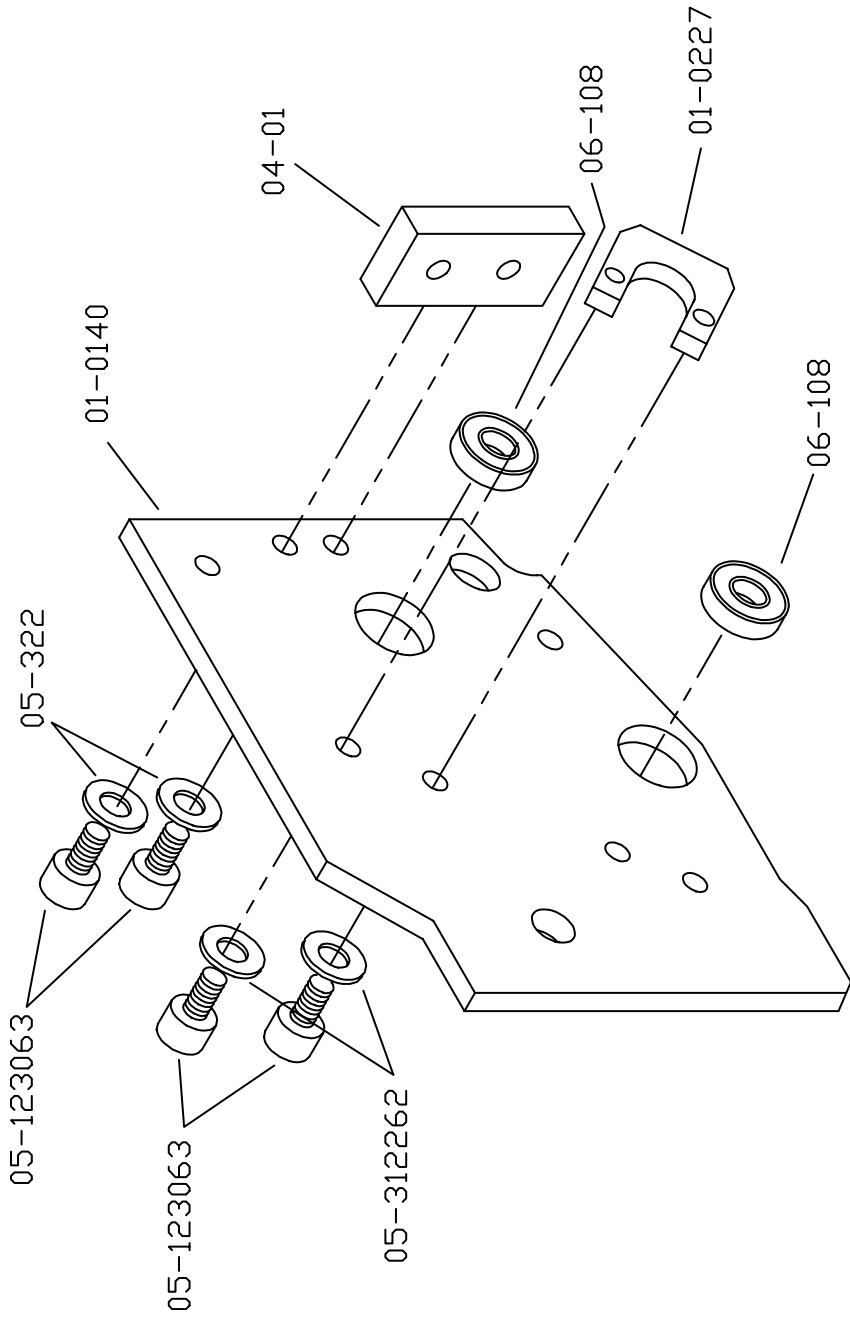


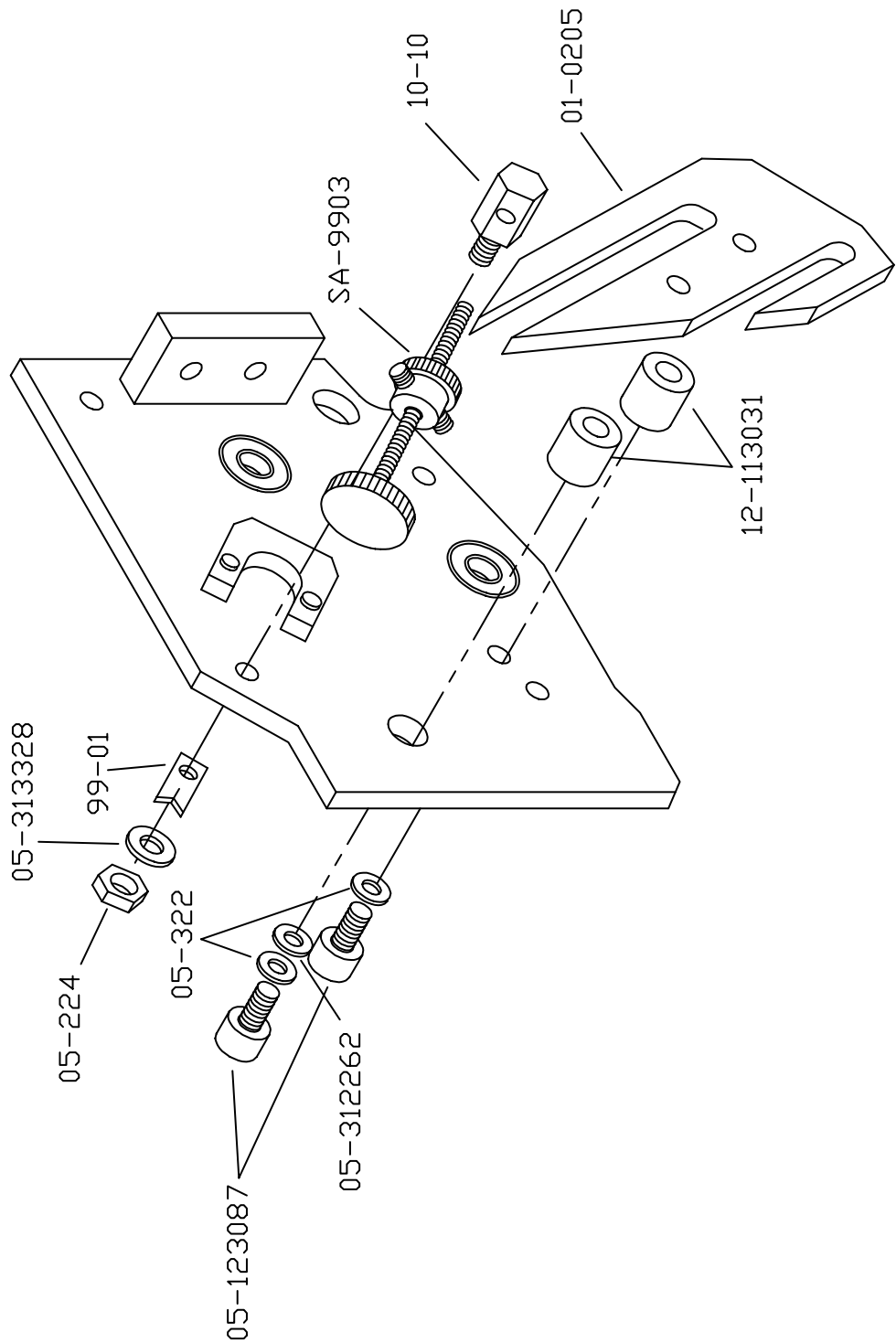
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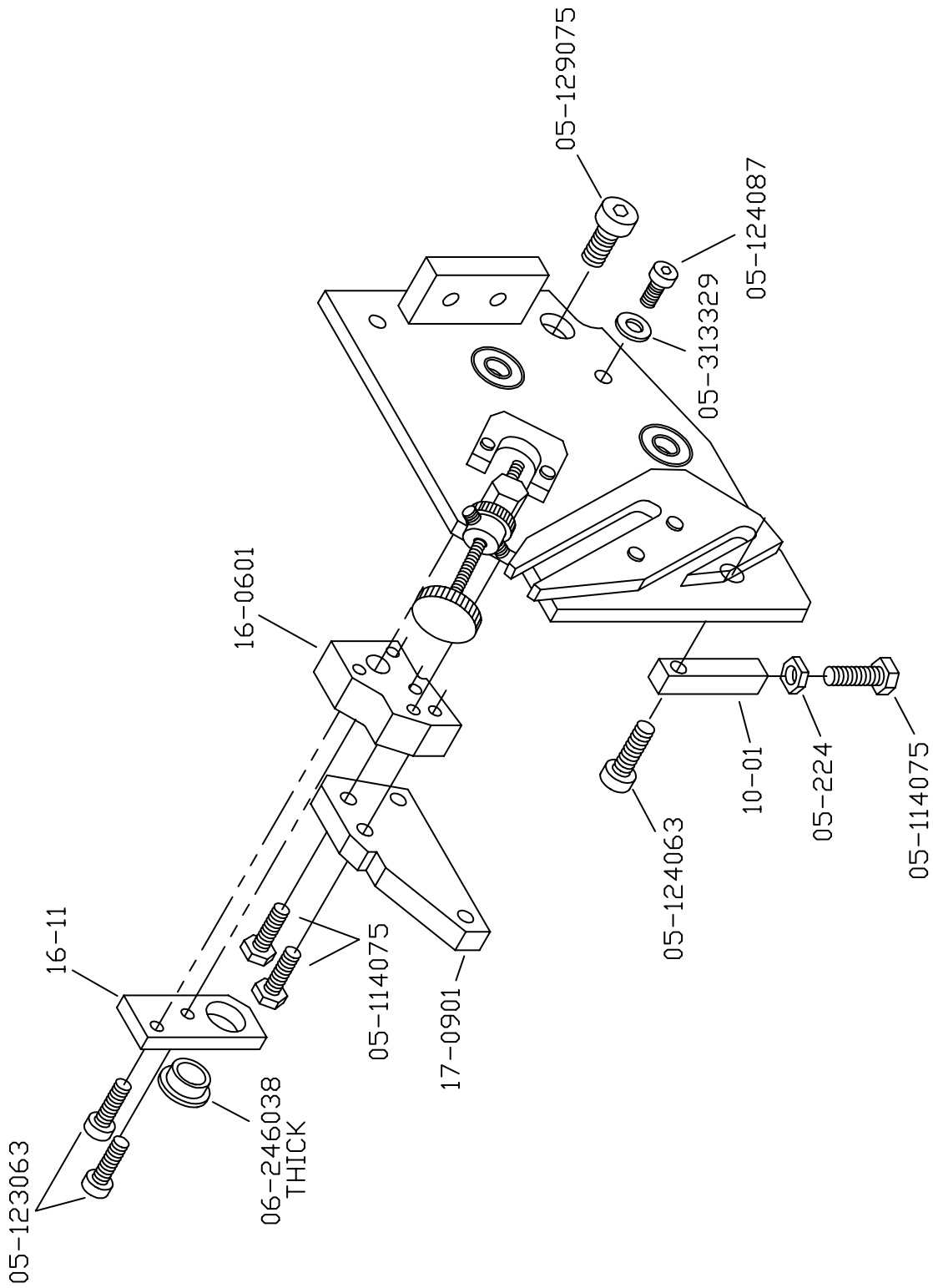


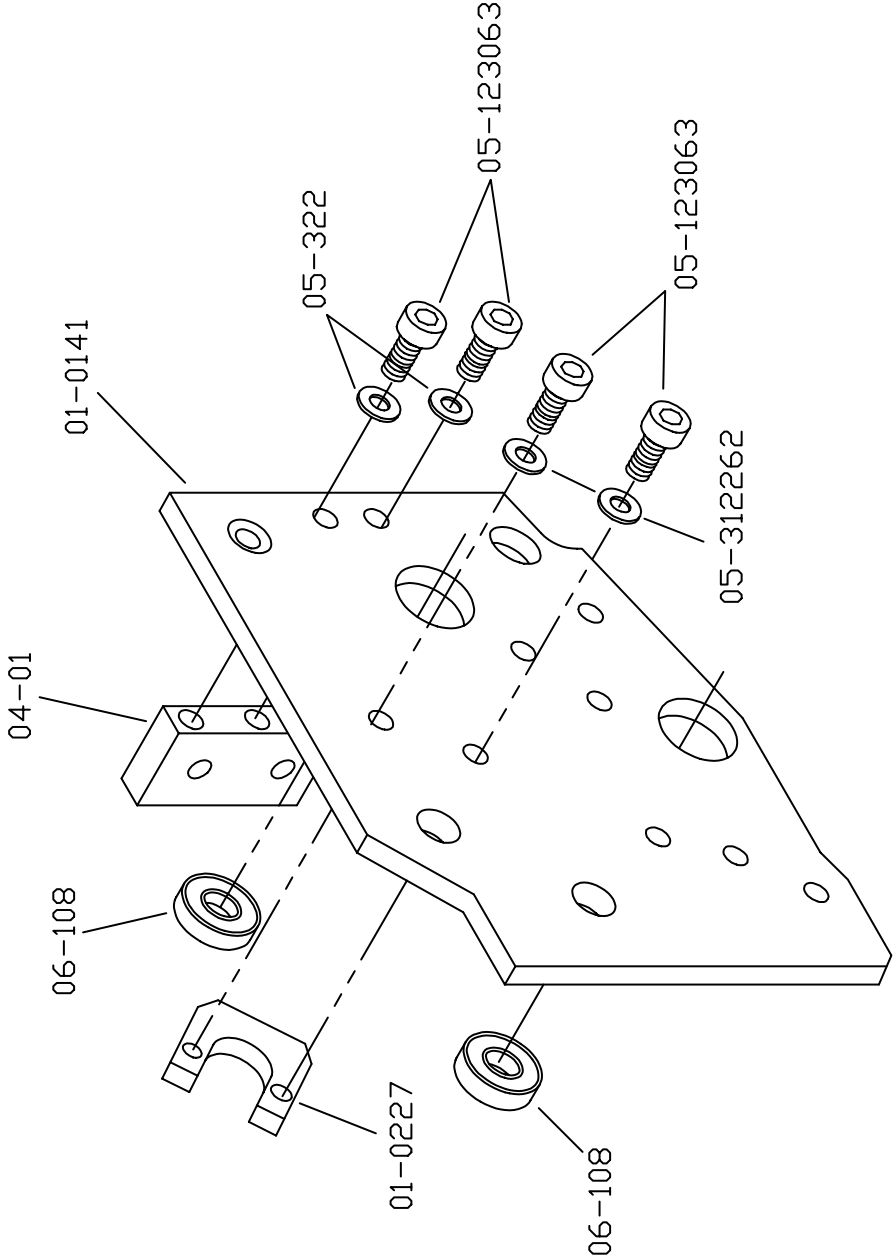


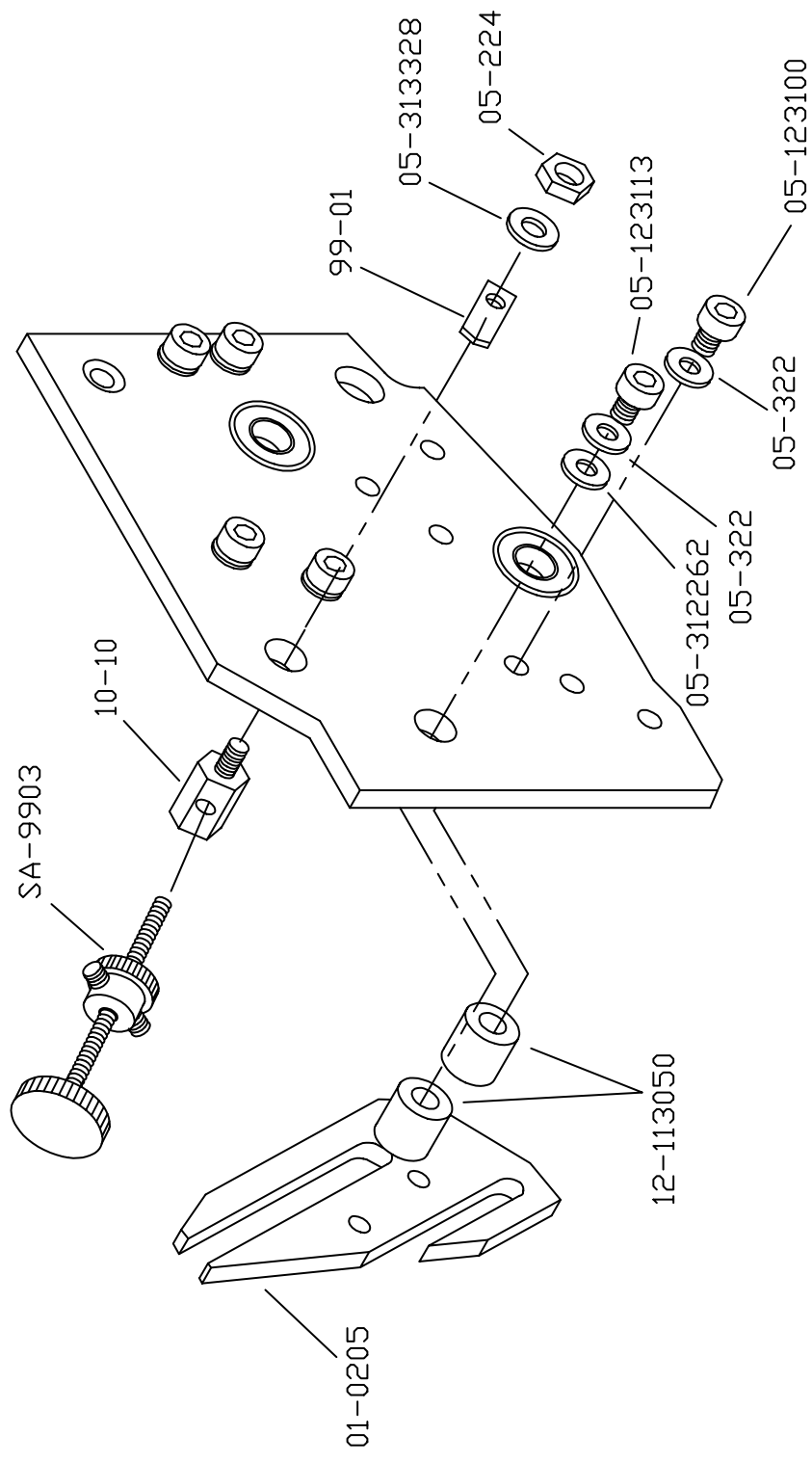


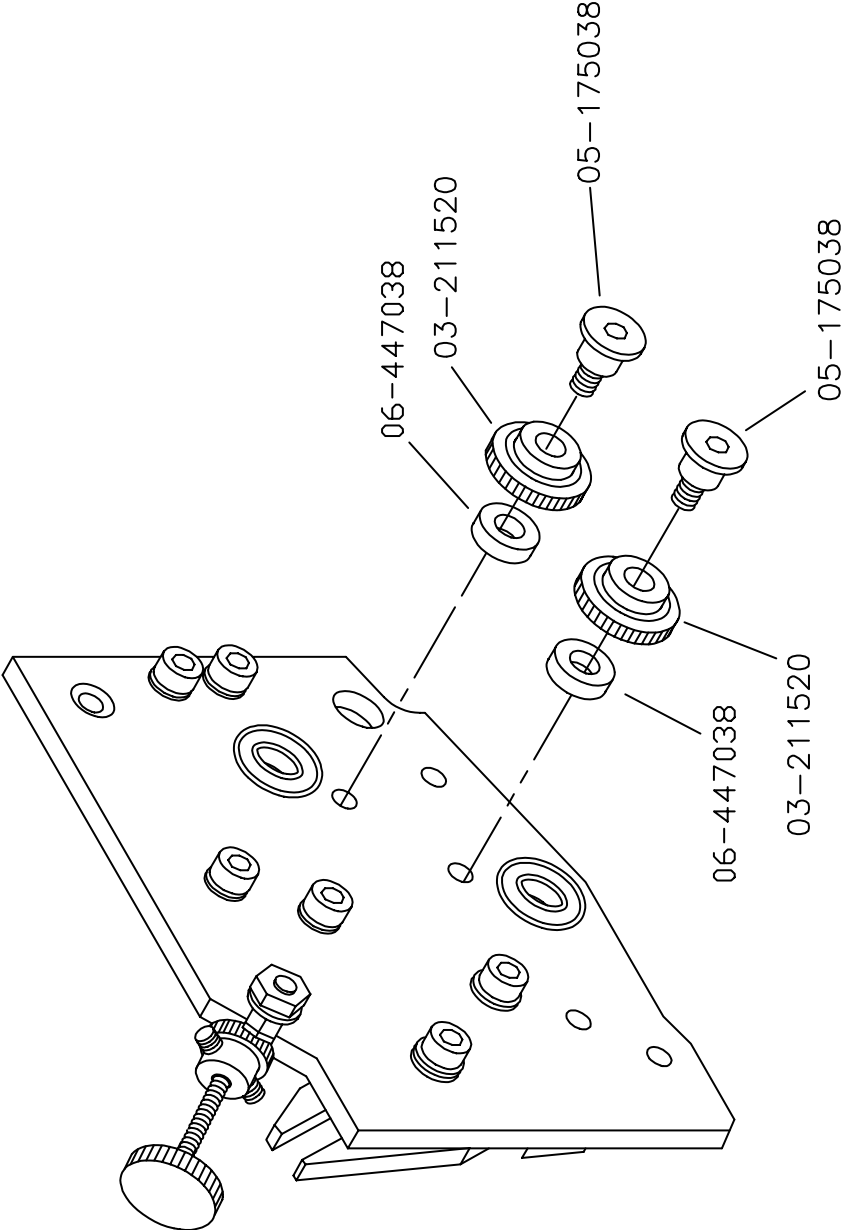


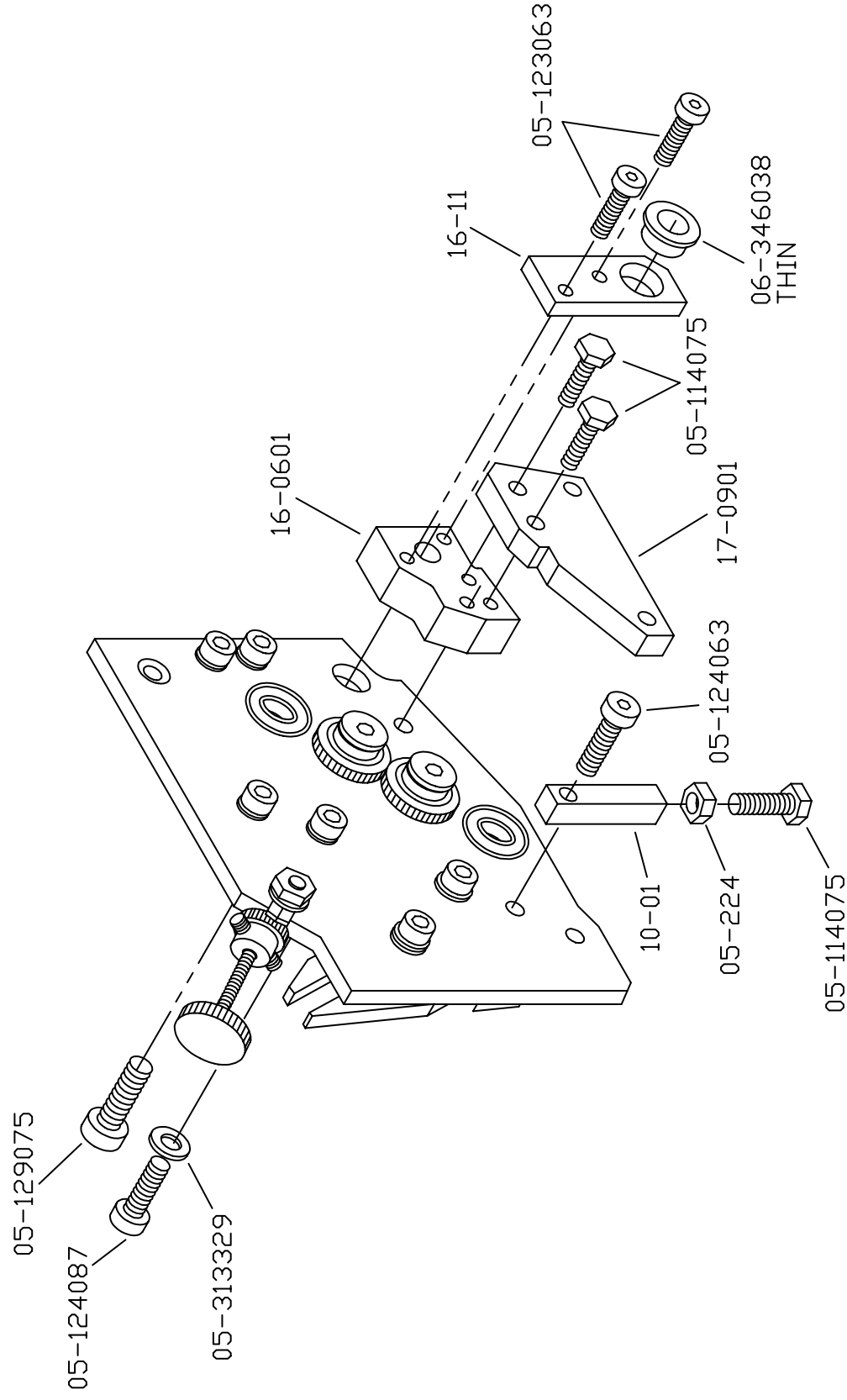


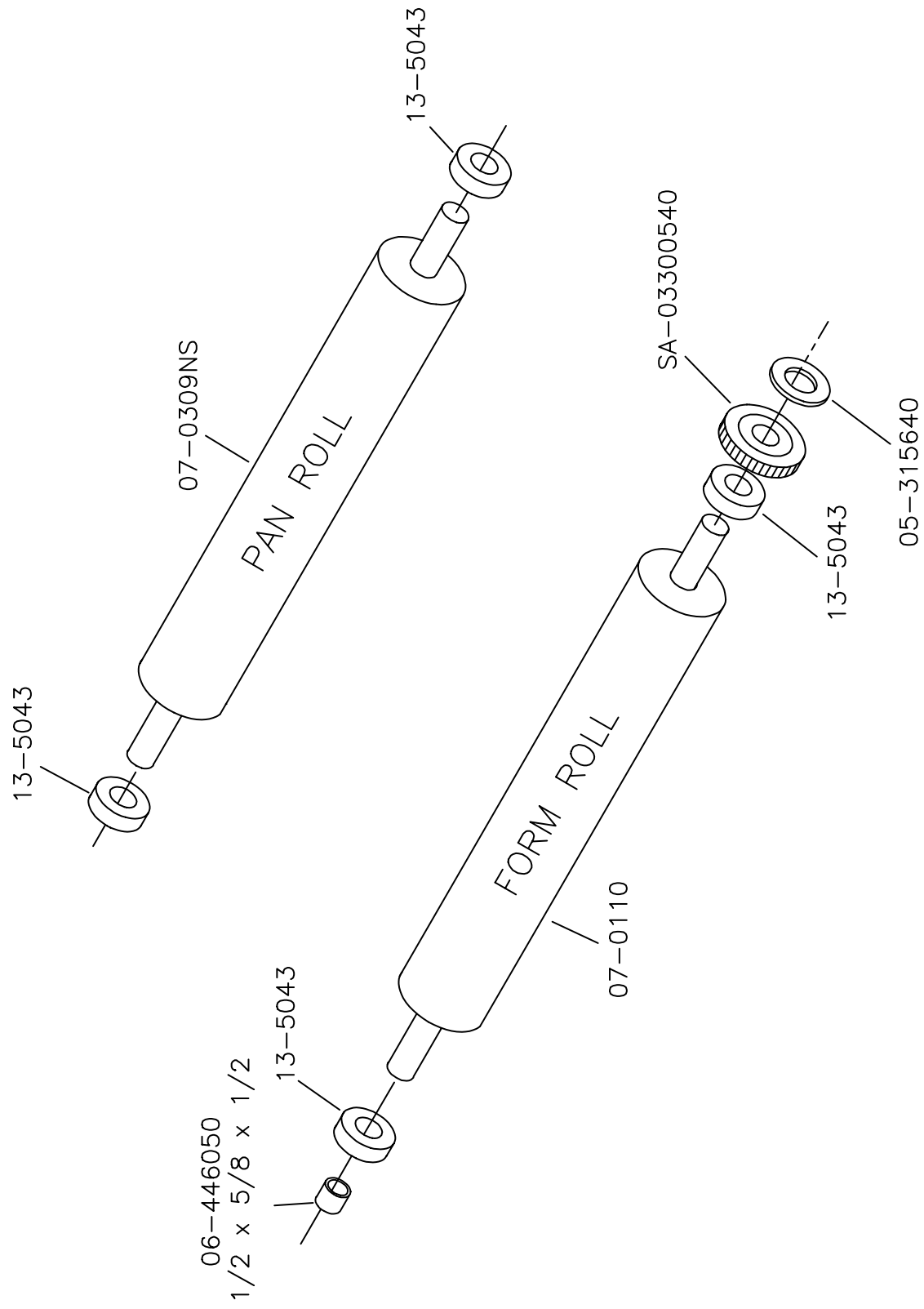


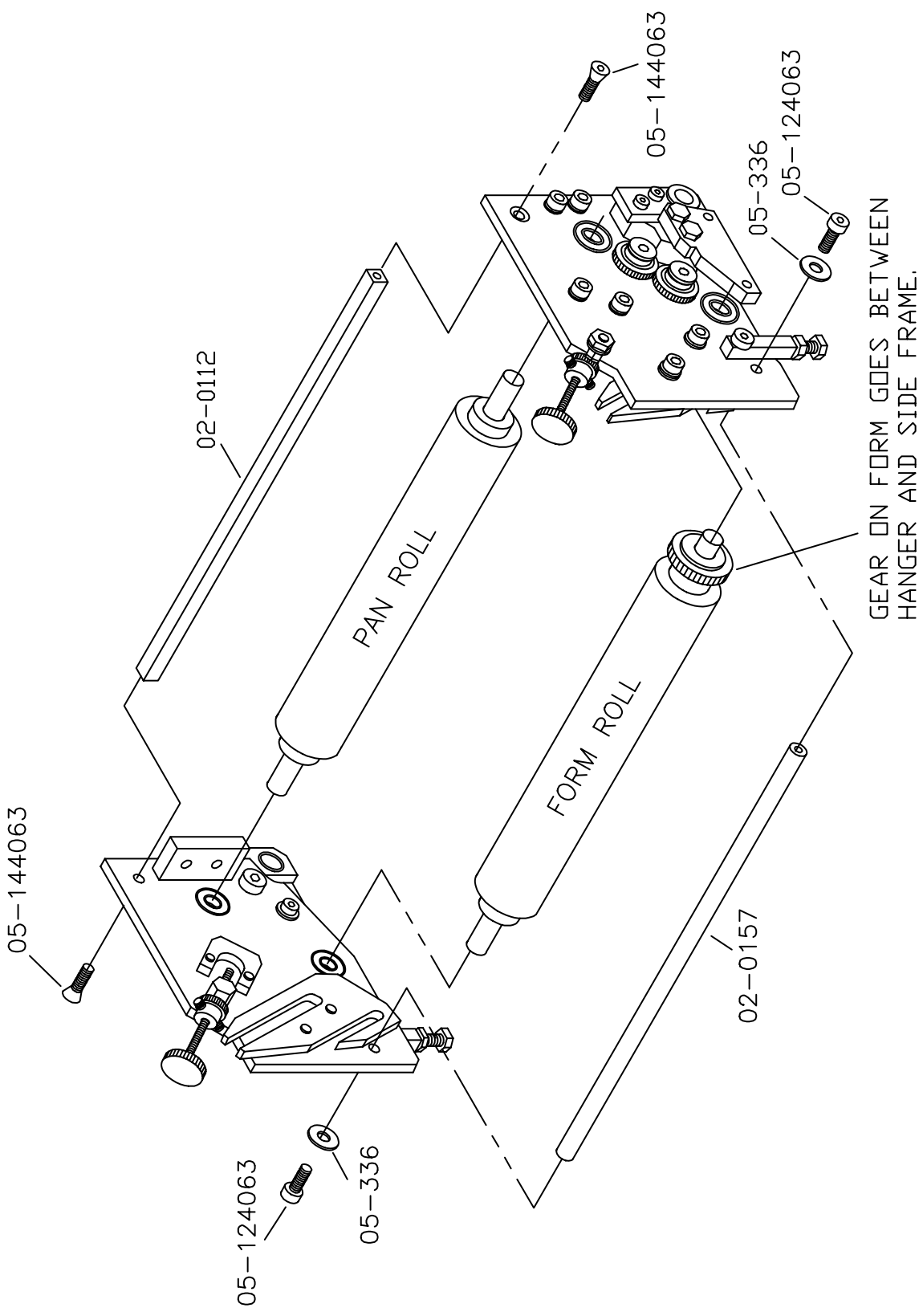




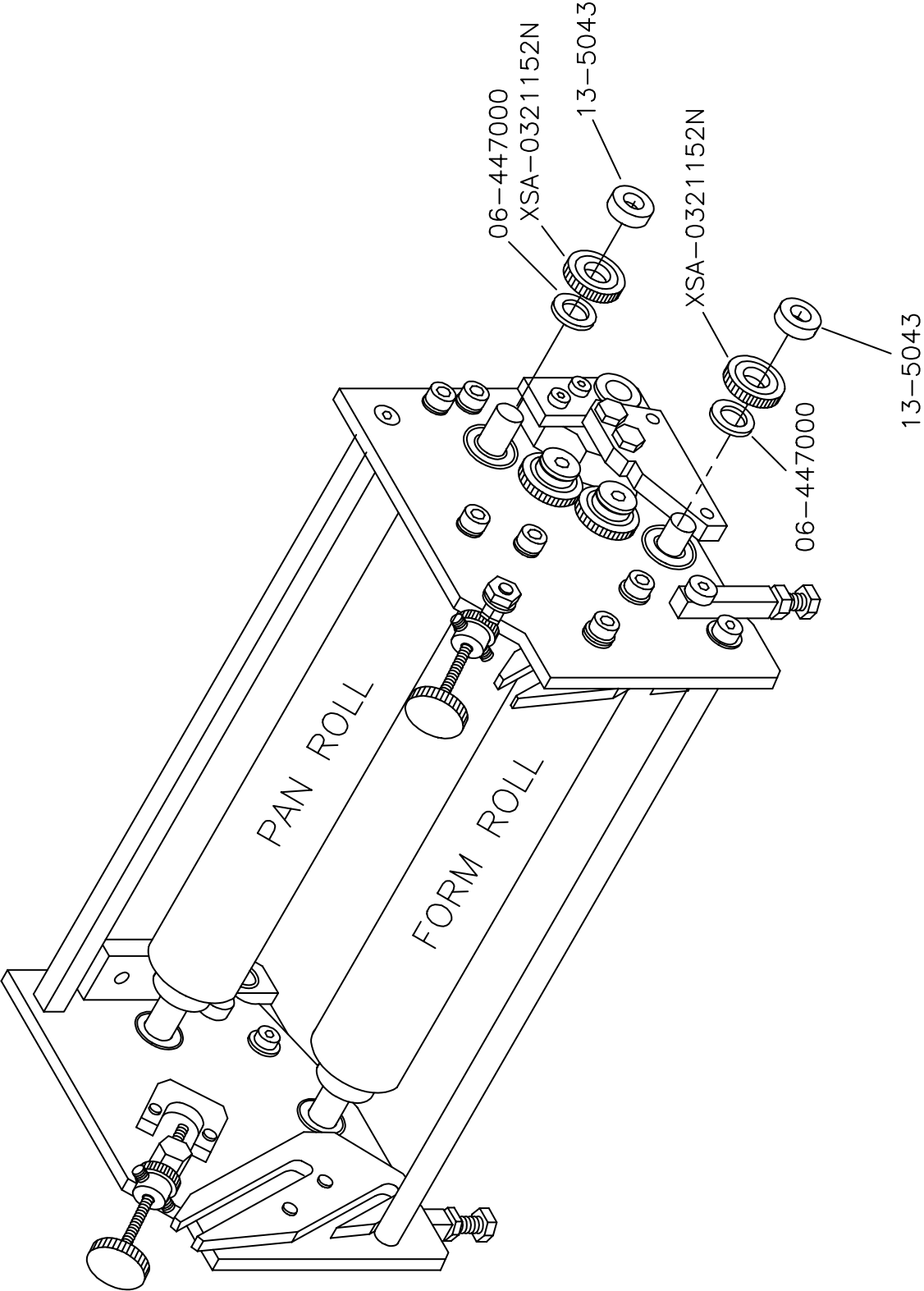




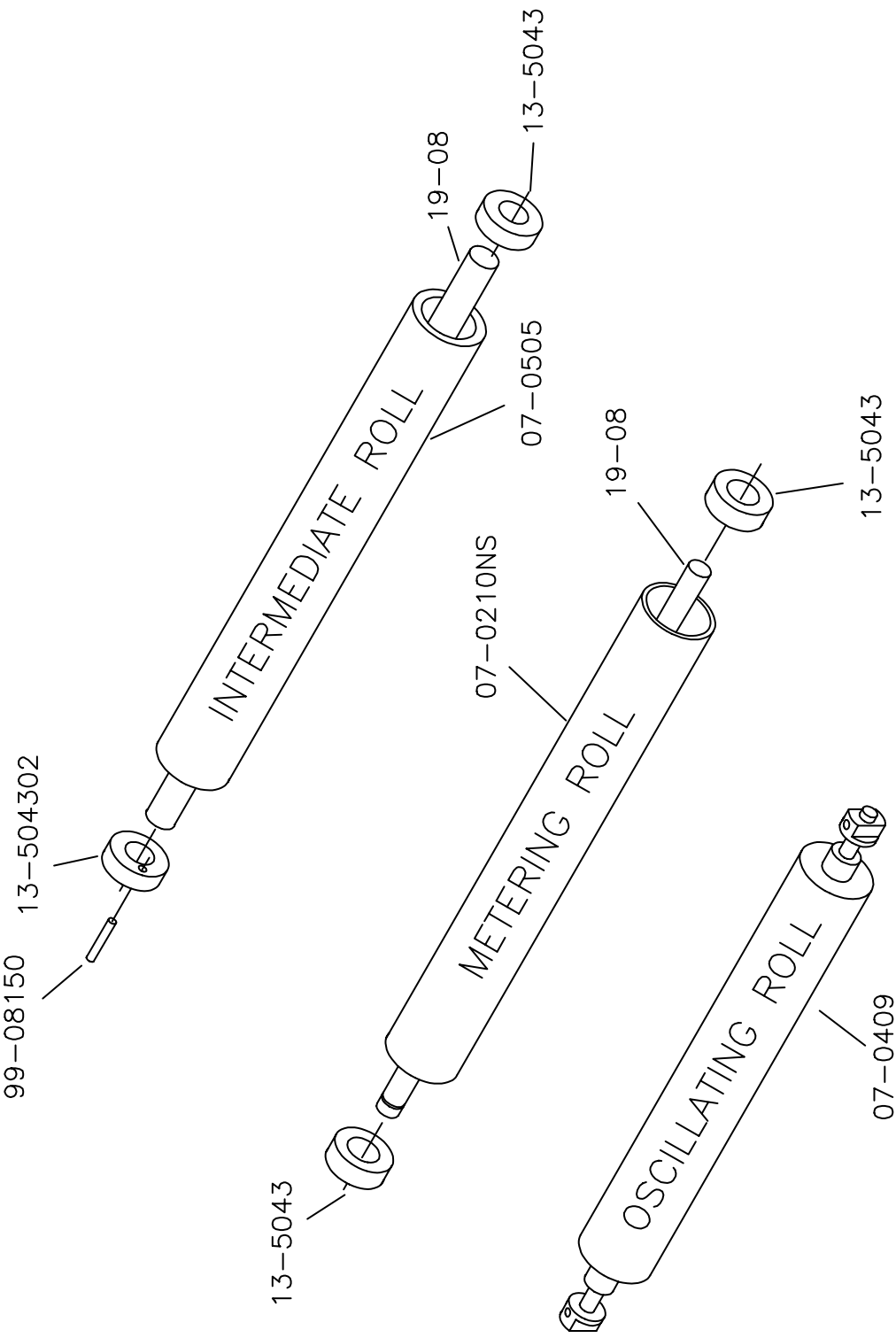




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