

LOCOLOC[®]

Swaging Tools

Loss Ends[®]



3-346SB

Handswager for Seismic Cable Bracing

Operator's Manual

LOSS & CO. INC.
CABLEWARE[®] DIVISION

INSTRUCTIONS FOR EYE CONNECTIONS, AND LAP SPLICING OF SEISMIC CABLES

Cable splicing is much easier if the cable is cut clean without frayed ends. We highly recommend No. C7, C9, C12, and C16 cable cutters as shown in the Loos & Co., Inc. Cableware Division catalog. Zinc-plated copper oval sleeves in a complete range of sizes are available through the Loos & Co., Inc. Cableware Division and its appointed distributors.

Sleeves elongate after compression. To assure maximum holding allow the end of the cable to extend beyond the sleeve after it is compressed.

(See **Figure 1**) The following chart indicates the recommended number of compressions for each size and type of sleeve to obtain maximum holding strength. Keep the jaws of the swaging tool at right angles to the sleeve being compressed, making sure the sleeve is aligned in the jaw grooves. Then close the handles of the swaging tool completely.

Note: for lap splices, at least two oval sleeves should be used.

NUMBER OF COMPRESSIONS

Cable Size	Zinc-Plated Copper Oval Sleeve
#GO3 (Gold)	2
#OR4 (Orange)	2
#GR6 (Green)	3

Figure 1



Each Loos & Co. #3-346SB swaging tool is designed to work with #3, #4, and #6 Zinc-Plated Copper Oval Sleeves. For use only on Loos & Co. Seismic Cable Bracing sizes #GO3, #OR4, and #GR6. You will not obtain proper performance or meet UL standards if you do not use the proper Loos & Co. swaging tool and sleeve combination.

All sleeve compressions must be gauged to assure maximum holding strength, and it is recommended that all completed assemblies be proof-tested.



Figure 2



Figure 3

Place sleeve to be compressed in proper size groove in swaging tool by matching cable color to colored dot next to groove in tool. A length of cable equal to the cable diameter should extend beyond the length of sleeve to achieve maximum holding. (See arrow in **Figure 4**).

Keep jaws of swaging tool at right angles to the sleeve to be compressed, making sure the sleeve is aligned in the jaw grooves. Close tool completely. Tool handles should snap shut indicating complete closure.

Finished sleeve should look like this. Be sure sleeves have been compressed the proper number of times.
(See NUMBER OF COMPRESSIONS table).

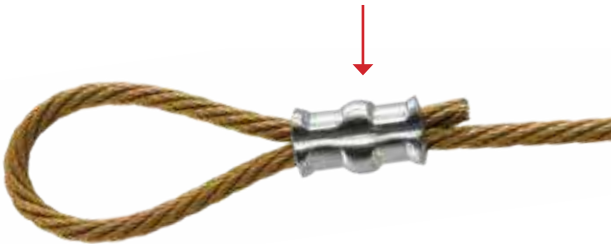


Figure 4

Use the swaging gauge provided with the tool to check proper after swage diameter of sleeve.

Compressed sleeve should slide freely into corresponding size and color slot in gauge.



Figure 5

TOOL MAINTENANCE AND ADJUSTMENT

Your Loos & Co. #3-346SB swaging tool has been designed to give you years of trouble-free service. To obtain the best possible performance, we recommend:

- 1) Clean and lubricate all moving parts regularly;
- 2) Keep all bolts tight;
- 3) Keep your swaging tool properly adjusted using the following simple procedure:

Each #3-346SB swaging tool is supplied with a gauge. Select the slot in the gauge corresponding to the sleeve size being compressed. The compressed portion of the sleeve should pass into the gauge easily. If it does not, then adjust the swaging tool as follows: With the handles apart, use a 3/16" Allen wrench to tighten the set screw in the handle ¼ turn. Then compress the sleeve and check the "after swage" diameter with the gauge. Continue this procedure until the compressed portion of the sleeve passes easily into the gauge.

CAUTION: Over adjustment will cause the Adjustment Bolt to break.

Eye Splice

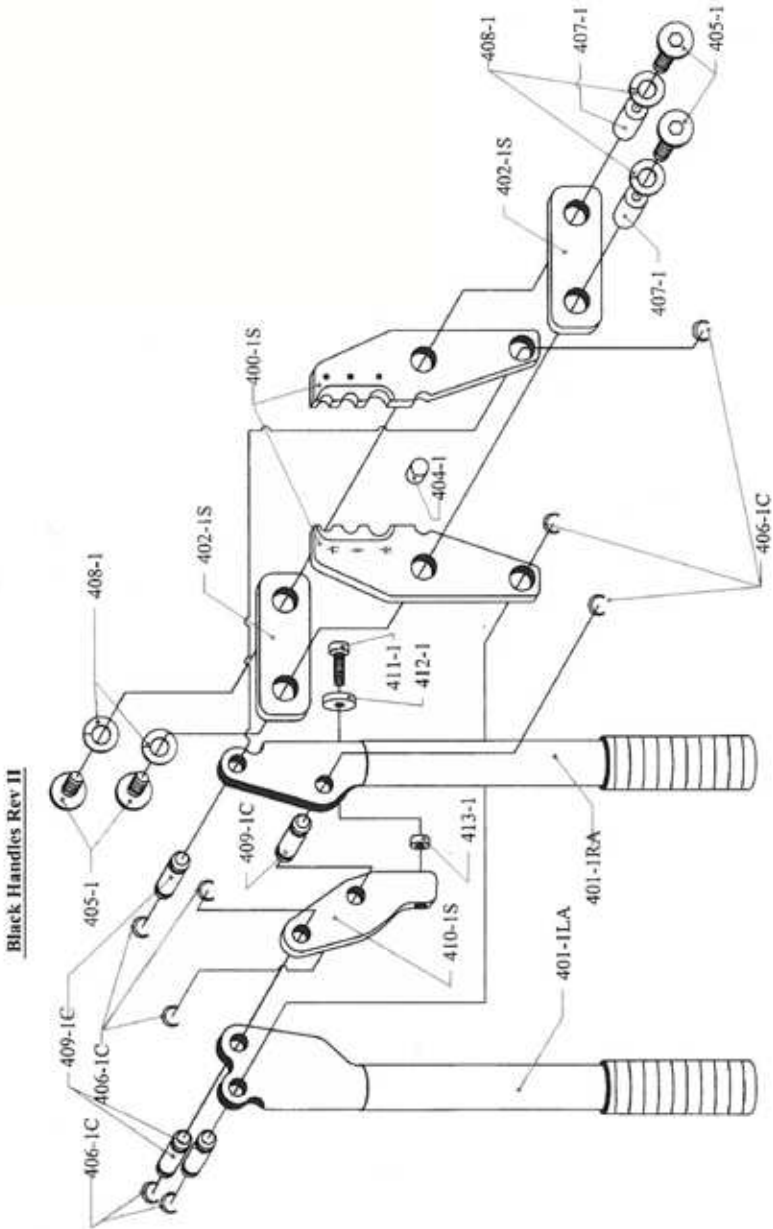
Lap Splice



WARNING:

- Wear Safety Goggles and Protective Gear.
- Do Not Use on Electrical Circuits.
- Read Instruction Manual Before Use.

TOOL OVERVIEW



TOOL CONTENTS

QTY	PART NUMBER	DESCRIPTION
2	400-1S	Jaw Halves, for Seismic Handswager
1	401-1RA	Handle, Right, for Seismic Tool (Assembly Includes: 410-1S, 411-1, 412-1, 413-1)
1	401-1LA	Handle, Left, for Seismic Tool
2	402-1S	Plate, Front and/or Back, Handswager Seismic
1	404-1	Pin, Fulcrum
4	405-1	Button Head, Socket Cap Screw 5/16-18 x 3/8
8	406-1C	Low Clearance External Retaining Ring, Side-Mount, BLack Finish steel, for 3/8" Shaft Diameter.
2	407-1	Bushing Jaw, 1/2 x 53/64
4	408-1	Split lock washer type screw. Size 5/16 steel zinc plated
4	409-1C	Bushing Pivot, 3/8 x .602
1	410-1S	Adjusting Arm.
1	411-1	Bolt, 1/4-28 x 1", adjusting screw and link socket head.
1	412-1	Washer, Teco, 1/4 I.D x 5/8 O.D x .071 thick, case hard, black OX
1	413-1	Spacer, Nylon for adjusting screw



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