

**BOH SOLUTIONS OPERATION MANUAL
BOH MULTI-PLATFORM MODULE (MPM)
(INCLUDING REPAIR PARTS & SPECIAL TOOL LIST)**

CHAPTER 5

UNIT MAINTENANCE INSTRUCTIONS

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UNIT MAINTENANCE INSTRUCTIONS**BOH SOLUTIONS OPERATION MANUAL
BOH MULTI-PLATFORM MODULE (MPM)
(INCLUDING REPAIR PARTS & SPECIAL TOOL LIST)****RIVET REPLACEMENT****INITIAL SETUP:****Materiel/Parts**

None

Personnel Required

One

Tools

Rags, 1/4 hp. Electric Drill, Pop Rivet Tool, 3/16" drill bit

References

WP 0008 00

Equipment Condition

BOH MPM Drawer Repair

INSPECT AND REPAIR

With drawers empty and open, inspect drawer handles, side, front and rear divider supports for loose, damaged or missing rivets. Replace rivets as follows.

REPAIR OR REPLACE DRAWER RIVETS

1. Remove the entire contents of the drawer.

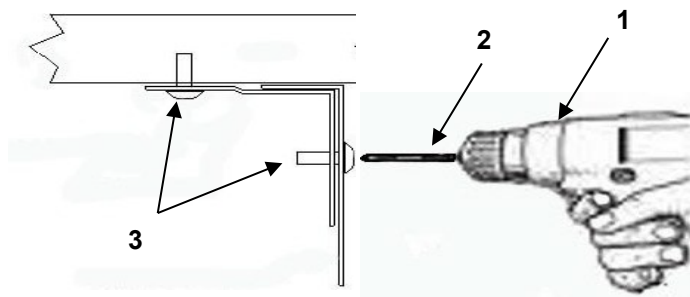
NOTE

In some instances the rivets may be removed without removing the drawer.

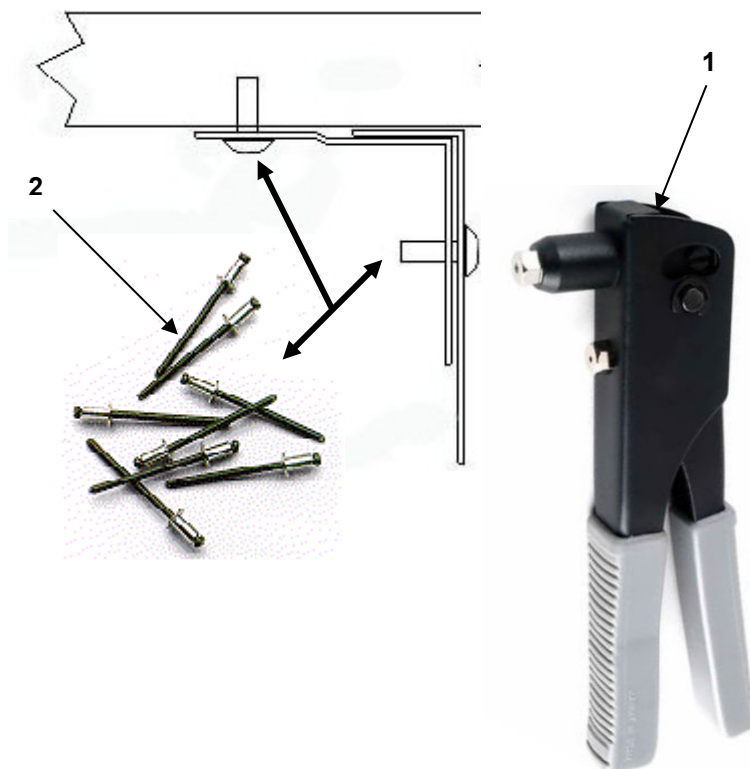
2. Remove the drawer from the tray assembly; review chapter 2 WP 0008 00.
3. Wipe the rivet surfaces clean, use a 1/2 hp. electric drill (1) with a 3/16" drill bit (2), and drill through the center core of the rivet (3).

**WARNING**

Use proper eye protection when operating a drill.



4. Remove the remainder of any pop rivet debris with needle nose pliers and wipe the hole clean with a rag.
5. Insure the holes are properly aligned.
6. Insert a new pop rivet, 3/16" DIA (2), through the holes of both items to be secured and into the pop rivet tool (1).
7. Use the pop rivet tool (1) to secure the pop rivet (2) and item in place.
8. Check for proper alignment and tight attachment of the item.
9. Return the Drawer to the tray assembly; review chapter 2 WP 0008 00.



END OF WORK PACKAGE

UNIT MAINTENANCE INSTRUCTIONS
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BOH MULTI-PLATFORM MODULE (MPM)
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DRAWER ASSEMBLY

INITIAL SETUP:**Materiel/Parts**

None

Personnel Required

One

References

Chapter 2 WP 0008 00-2

Equipment Condition

BOH MPM MODULES Set-up

INSPECT, REPAIR

1. Check for missing or damaged drawer lid latches (1); replace as needed.

**END OF WORK PACKAGE**

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UNIT MAINTENANCE INSTRUCTIONS
BOH SOLUTIONS OPERATION MANUAL
BOH MULTI-PLATFORM MODULE (MPM)
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DRAWER LID SEALS

INITIAL SETUP:

Materiel/Parts

Drawer Seal and Gas Cylinder Kits

Personnel Required

Two

Tools

Flat Tip Screwdriver, Putty Knife, Wire Brush and Rags

References

Chapter 2 WP 0008 00-2

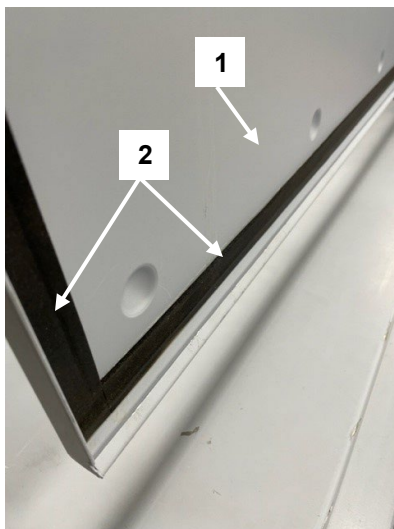
Equipment Condition

BOH MPM Drawer Repair

INSPECT

With the drawer lid (1) in the fully open position, inspect the lid seal (2) for cracks, cuts and distortion or separation.

REPLACE DRAWER LID SEALS



1. Close the lid (1) and remove the drawer from the tray, refer to WP 0006 00.
2. Place drawer on a firm surface with the seal (2) up; remove the entire seal with a putty knife, pocket knife or other shape instrument.
3. Clean the remaining glue from the lid with a solvent and rag or wire brush.
4. Cut the new seal to desired length and apply the self-adhesive seal to a clean dry surface.

NOTE

The seal should be applied in its relaxed state and should not be stretched.

5. After the seal is firmly set in place, visually inspect the seal (2) for tightness and alignment in the lid.
6. Return the drawer to the tray and return the drawer to the stowed position, refer to chapter 2 page WP 0008 00-2.
7. Ensure the drawer lid latches and slam latch are secure, refer to WP 0008 00-2.

END OF WORK PACKAGE

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UNIT MAINTENANCE INSTRUCTIONS
BOH SOLUTIONS OPERATION MANUAL
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TRAY and CASE ASSEMBLY

INITIAL SETUP:**Material/Parts**

None

Personnel Required

Two and Certified Welder

Tools

Welding shop equipment

References

Chapter 2 0006 00

Equipment Condition

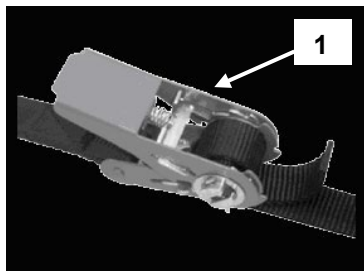
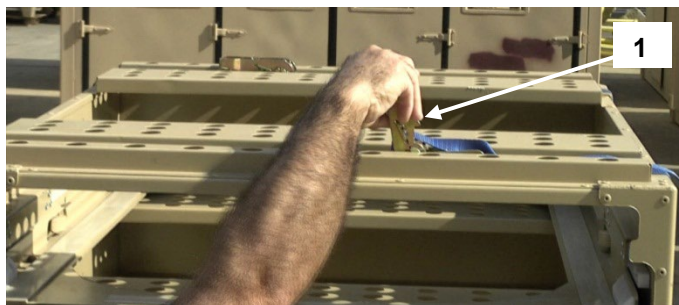
BOH MPM MODULE Repair

WELDING REPAIR

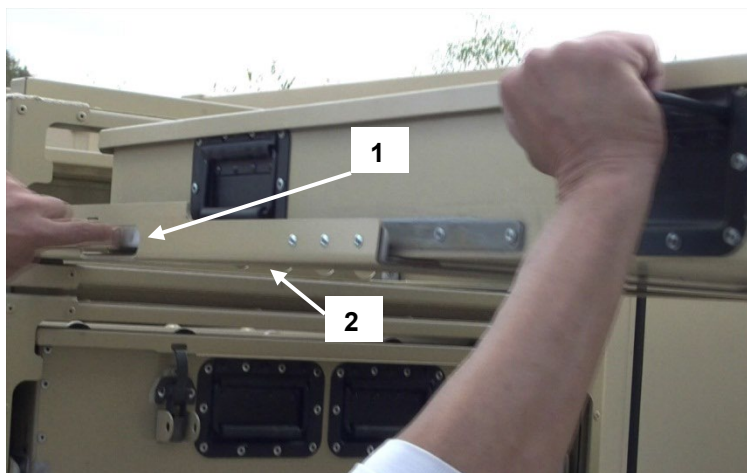
Welding repairs are only required when the MPM tray and case assembly is pierced, punctured, cracked or broken. Standard welding principles and materials apply to MPM repairs. Welding procedures will not be discussed in this manual. Refer to TC 9-237 for welding procedures.

REPLACE OR REPAIR DRAWER TRAY AND CASE UNIT

1. Remove all stored material from the drawer.
2. Remove both ratchet straps (1) from the stack.



3. Release the drawer assembly (1) from the inner slide tray (2).



With assistance remove the tray and case assembly (3) from the stack to be repaired or replaced; refer to chapter 2 WP 0008 00.



5. Inspect and make welding repairs or replace the tray case assembly (3), review chapter 2 WP 0008 00.
6. Inspect the tray and case guide strips for damage; replace or repair as needed.
7. Install the new or repaired tray and case assembly on the stack, refer to chapter 2 WP 0006 00.
8. Reinstall both ratchet straps.
9. Pull out the tray, reinstall the drawer.
10. Ensure the slam latch is engaged

END OF WORK PACKAGE

UNIT MAINTENANCE INSTRUCTIONS

BOH SOLUTIONS OPERATION MANUAL BOH MULTI-PLATFORM MODULE (MPM) (INCLUDING REPAIR PARTS & SPECIAL TOOL LIST)

MPM TRAY GUIDES and CASE PADS

INITIAL SETUP:

Material/Parts

Guide and Pad Repair Kits

Personnel Required

Two plus Supervisor

Tools

Rags, 1/2 hp. Electric Drill, Pop Rivet Tool, 3/16" drill bit and putty knife

References

Chapter 2 WP 0006 00

Equipment Condition

BOH MPM MODULE Repair

INSPECT

Inspect all sets of tray and case slide pads (1) for cracks, breaks, uneven or excessive wear that impedes smooth operation of the drawer.

REPLACE TRAY AND CASE ASSEMBLY SLIDE PADS

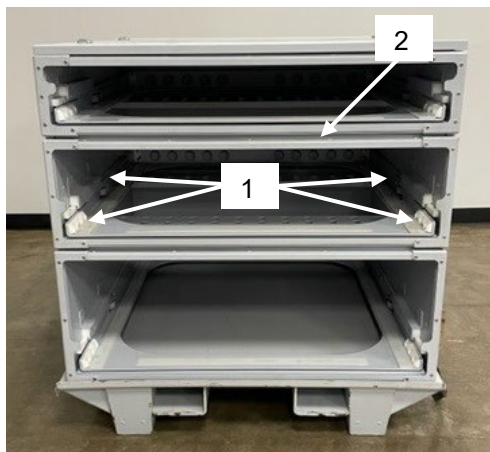
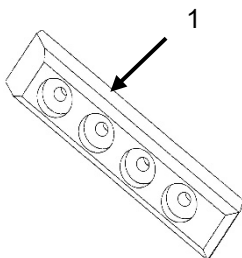
1. Remove all material from the drawer.
2. Remove the drawer from the tray.
3. Remove the case and tray assembly (2) from the module stack.



WARNING

Seek assistance to remove the drawers. Seek assistance to remove tray and case assembly from the module stack.

4. Remove the tray from the case and tray assembly (2), review chapter 2 WP 0006 00.

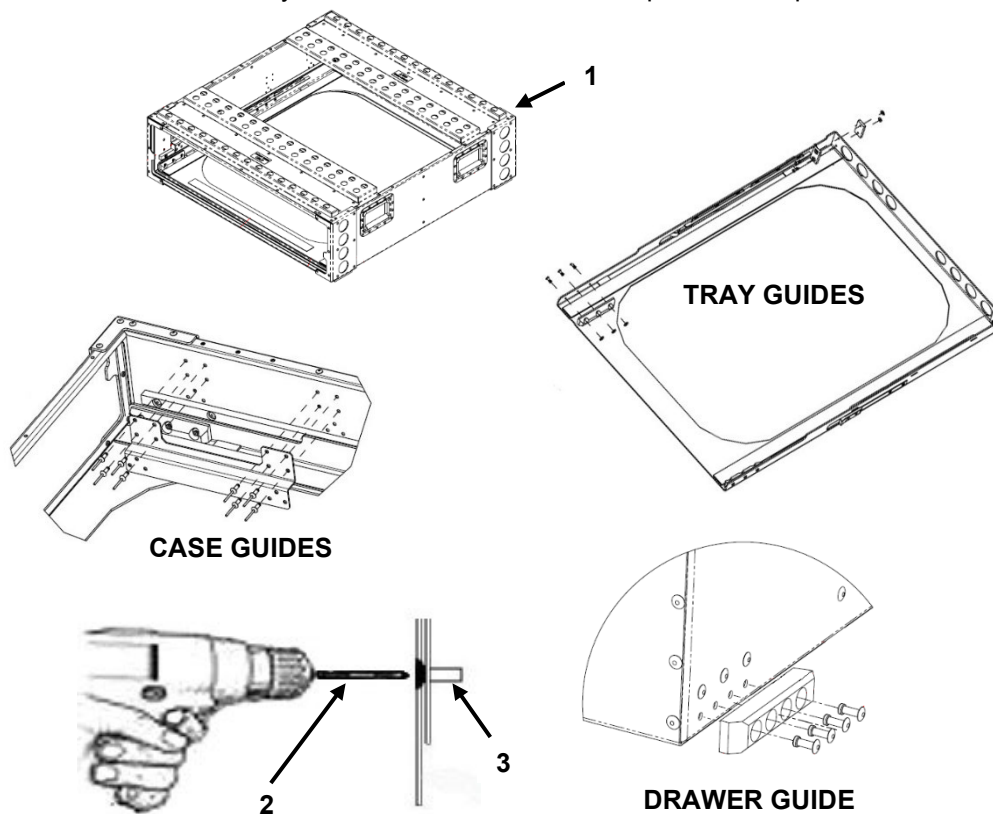


5. Place the tray and case assembly (1) on a firm, flat surface.
6. Wipe the rivet surfaces clean, use a 1/2 hp. electric drill with a 3/16" drill bit (2), and drill through the center core of the pop rivets (3).
7. Replace the entire set of guides if they are damaged or worn.

**WARNING**

Use proper eye protection when operating a drill or grinder or when welding.

8. Remove the remainder of any rivet debris with needle nose pliers and wipe the hole clean with a rag.



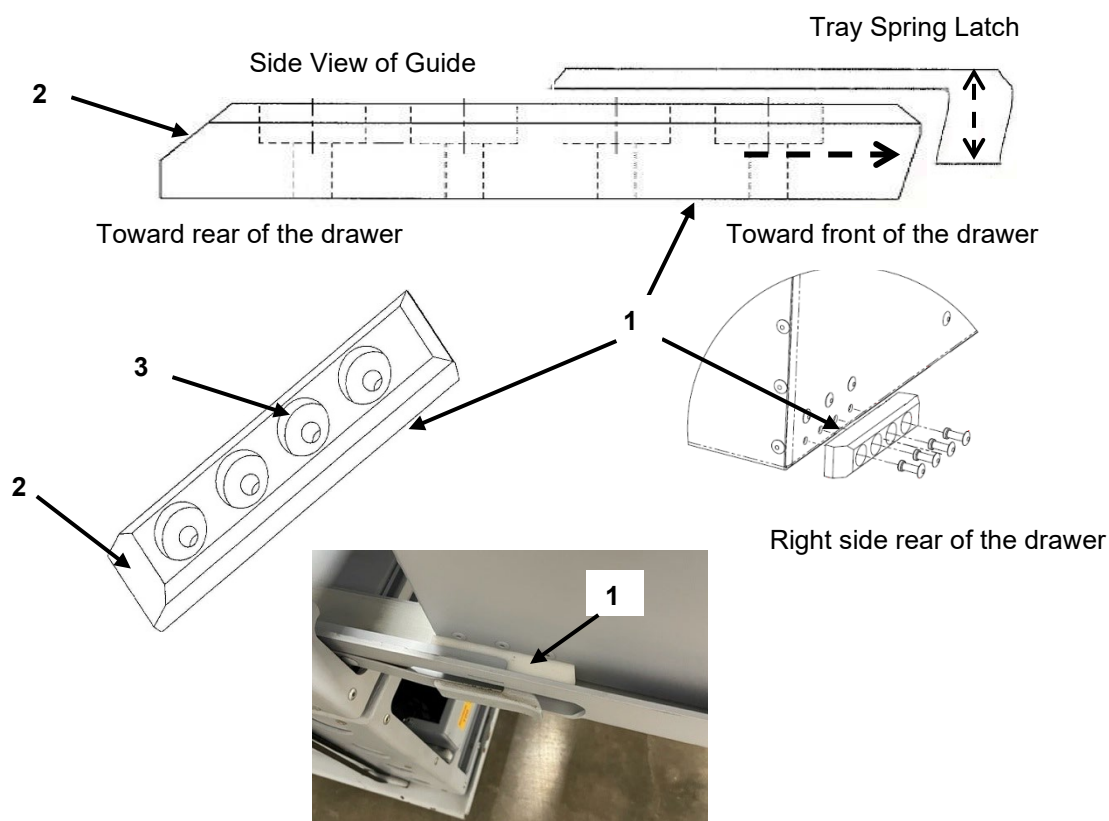
INSTALL NEW GUIDES

1. Ensure the replacement slide guide holes are properly aligned with the tray drawer and case holes. Drilling new holes should not be required.

WARNING



The Drawer Guide (1) must be installed with the ramp (2) toward the back of the drawer, to prevent the drawer from being pulled out of the tray without engaging the tray latch. Failure to install the guide properly will cause the drawer stop to fail and cause damage or injury.



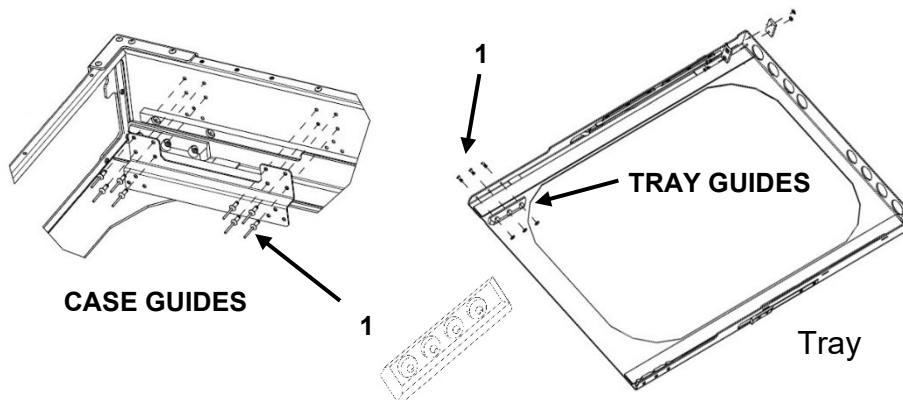
CAUTION

Do not drill new holes for alignment; the holes provided are matched for proper alignment.

2. Coat the back of the guide with silicon, install the rivets, fill the rivet holes (3) flush and clean off excess silicon with a putty knife.
3. When the silicon is set, lubricate the guides with WD40 lubricant spray.

CAUTION

Do not drill new holes for alignment; the holes provided are matched for proper alignment.

**CAUTION**

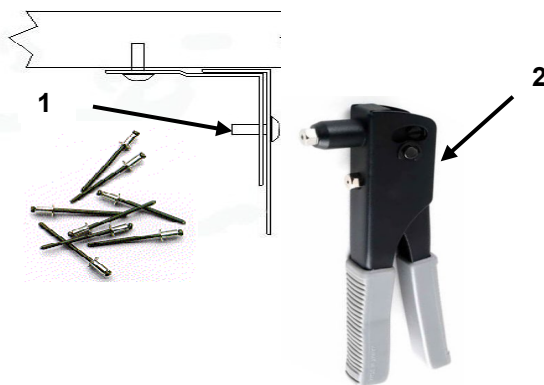
Never use other than the proper rivets from the kit to attach the slide pads.

4. Insert a new rivet, 3/16" DIA, rivet shank (1) through the holes of both items and align the slide pad position.

NOTE

Insert a second rivet into another hole as a guide for alignment.

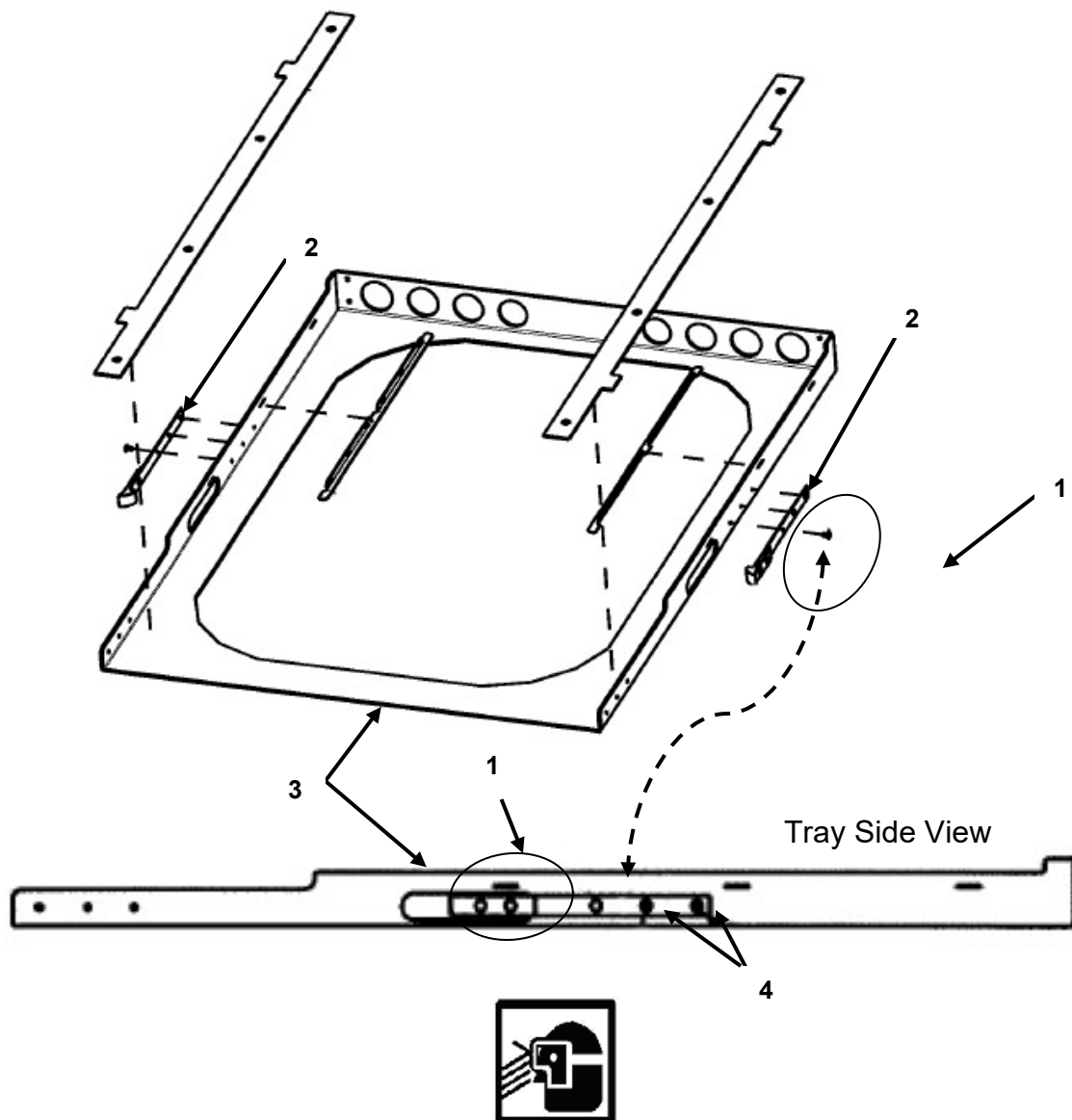
5. Use the pop rivet tool (2) to secure the replacement slide pad.



6. Check for proper alignment and tight attachment of the slide pads.
7. Install the remaining rivets.
8. Return the tray and case assembly to the stack.
9. Install and tighten the front and rear ratchet straps to the stack.
10. Return the drawer and tray assembly, review chapter 2 WP 0006 00.

REPLACE SPRING LATCH

1. Remove damaged semi-tubular rivet (1), see page WP 0027 00-24.
2. Insert a semi-tubular rivet (1) through existing holes in the latch (2) and tray (3).
3. To replace the latch (2), grind off the two plug welds (4), remove the rivet (1).
4. Reweld the plug welds (4) and install new latch with new semi-tubular rivet (1), refer to TC 9-237 for welding procedures.
5. Repeat the process on the left side of the tray (3) if required.



WARNING

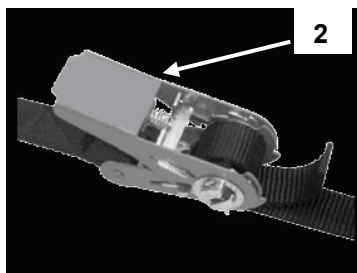
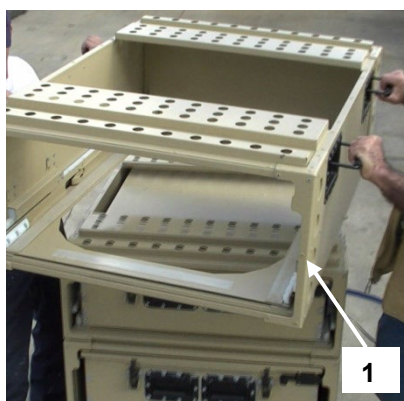
Use proper eye protection when operating a drill or grinder or when welding.

RESTACKING

1. Install the tray in the case (1)
2. Place the case and tray assembly on the stack.
3. Reinstall the drawer into the tray and case assembly.

WARNING

Seek assistance to return tray and case assembly (1) to the module stack, only then, install the drawer.



4. Reinstall both ratchet straps (2).

END OF WORK PACKAGE