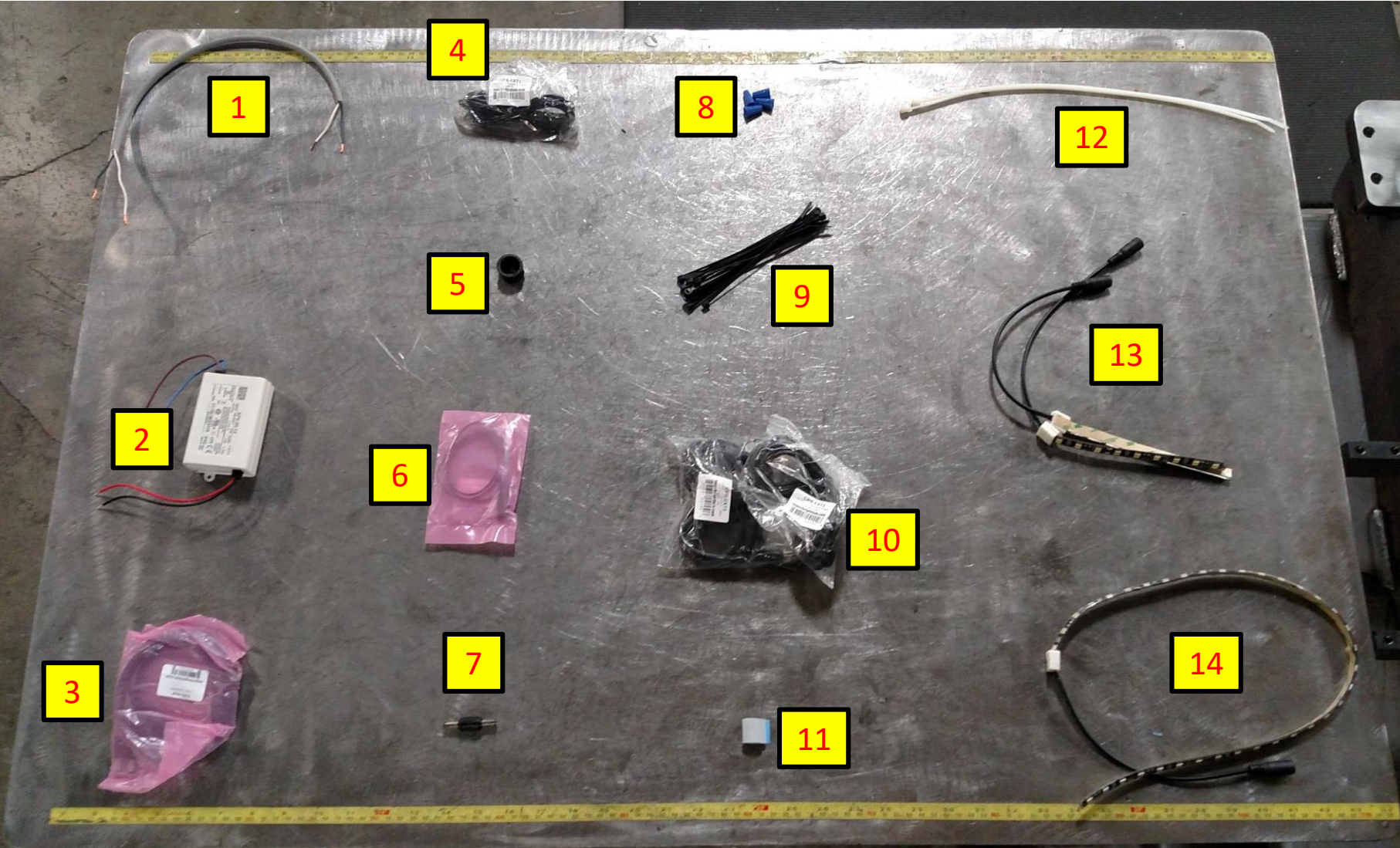


P/N 090517 – LED LIGHTS 6509/9012/12012 MACHINES





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11

14

PARTS LIST

ITEM NUMBER	QUANTITY	PART NUMBER	DESCRIPTION
1	18 IN.	660461	18/2 SVO CORD
2	1	090508	LED LIGHT TRANSFORMER
3	1	090507	PIGTAIL CONNECTOR
4	1	090503	1 METER EXTENSION
5	1	158003	#3104 SNAP BUSHING
6	1	090509	4-WAY SPLITTER
7	1	090506	MALE-MALE CONNECTOR
8	4	145005	SMALL BLUE WIRE NUT
9	14	660505	BLACK NYLON CABLE TIE
10	2	090502	3 METER EXTENSION
11	1	011713	LATCHING CLIP
12	2	045635	14" CABLE TIE AS
13	2	090541	9 LED BULB STRIP (6 IN.)
14	1	090545	36 LED BULB STRIP (24 IN.)

BASIC CONSIDERATIONS

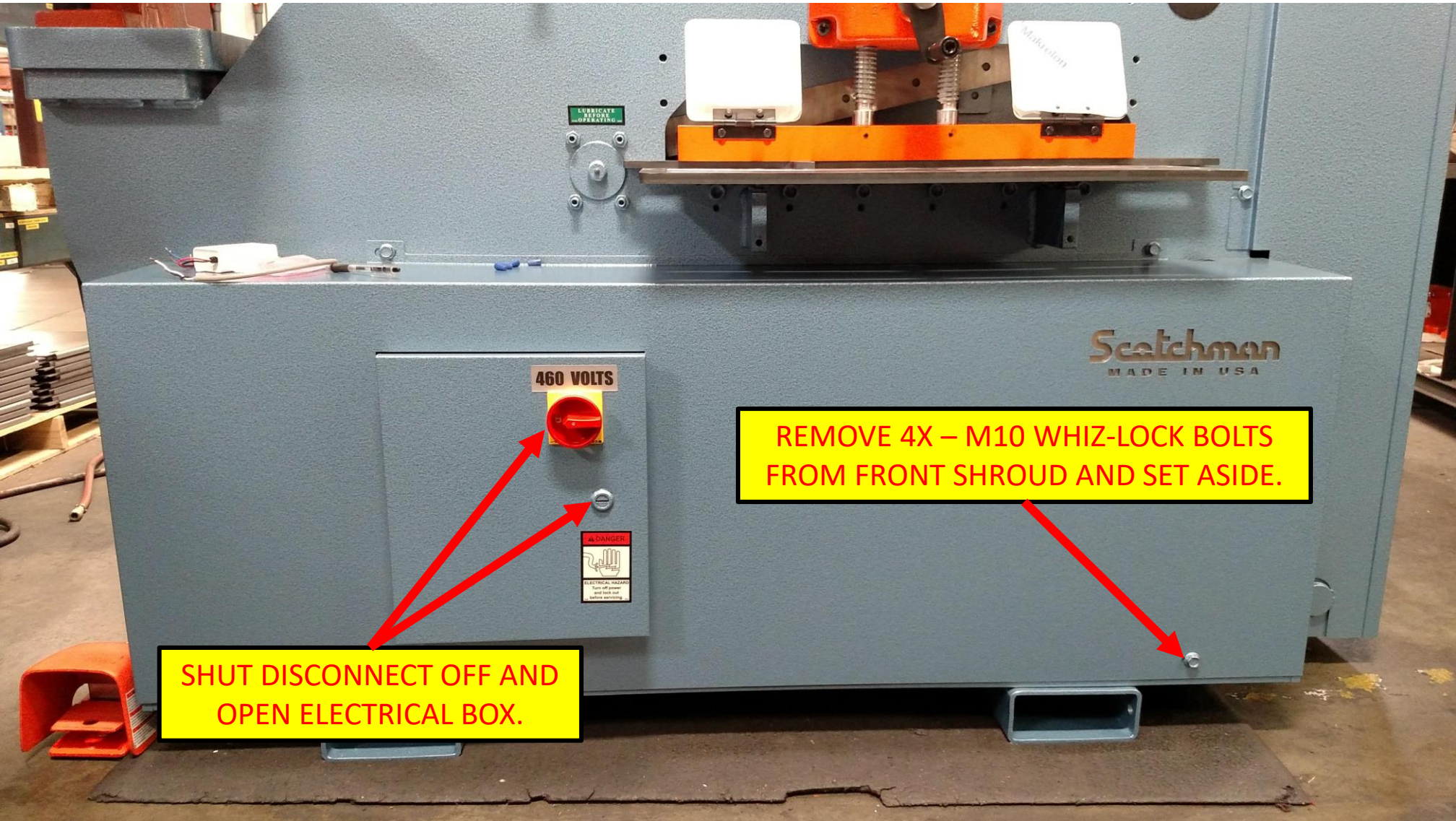
- Please read the instructions **FULLY** before attempting to install the product.
- Make sure to unplug the machine from its electrical source and perform any necessary lockout/tagout procedures.
- If the old worklight is installed, it will be necessary to remove the cord from the base. The light can stay on the machine, but it cannot be wired into the electrical box.
- **NOTE:** The 3M VHB Tape is a pressure activated adhesive. If **LIGHTLY APPLIED** to a surface, it may be possible to pull off and reapply. If **FIRMLY ATTACHED**, it will be near impossible to move.
- The strips are regarded as a one – time application product. Therefore, care must be undertaken when applying the strips.
- In the event of a strip that has fallen off or been pulled off, it may be possible to reapply either the whole strip or a portion with the application of cyanoacrylate adhesives (i.e. Super Glue).
- It is **NOT** a guarantee that a cyanoacrylate product will work, but depending on surface preparation and adhesion on the strip, there is a chance that it may.

SURFACE PREPARATION

- Scotchman Industries' machines ship with an oil – based rust preventative coating on exposed, unpainted surfaces. Due to application, certain areas where the LED strips will be installed may be coated with protectant.
- To prep the surface for the LED strips, it is recommended to use a 50:50 mixture of isopropyl alcohol (IPA) and water to clean the surface.
- For areas with heavy oil, grease, oxidation, or dust, a degreaser and/or abrasion may be necessary before the alcohol mixture to prep the surface.
- Click this [link](#) for an in – depth article about surface preparation for 3M™ VHB™ Tape Applications.
- You can also use this QR Code:



- Back to Shear ([Page 26](#)); Punch ([Page 34](#))



460 VOLTS

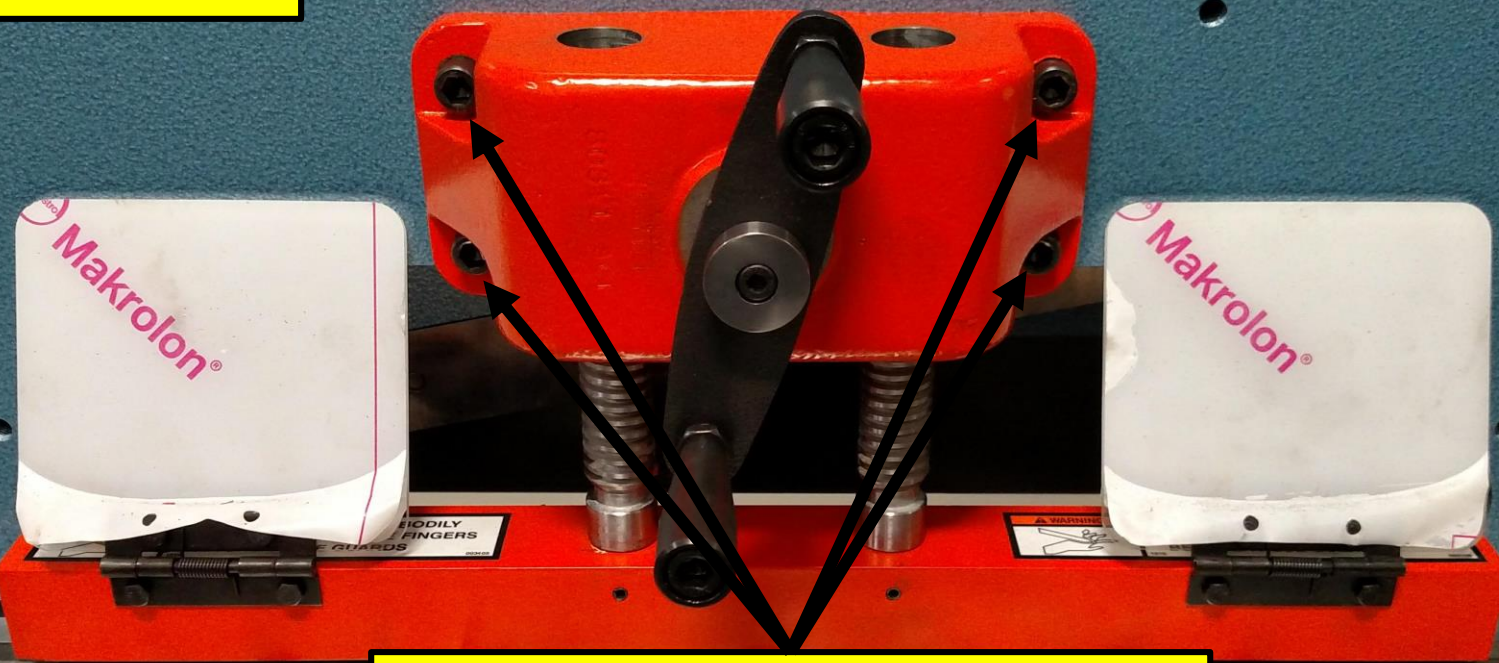


REMOVE 4X - M10 WHIZ-LOCK BOLTS FROM FRONT SHROUD AND SET ASIDE.

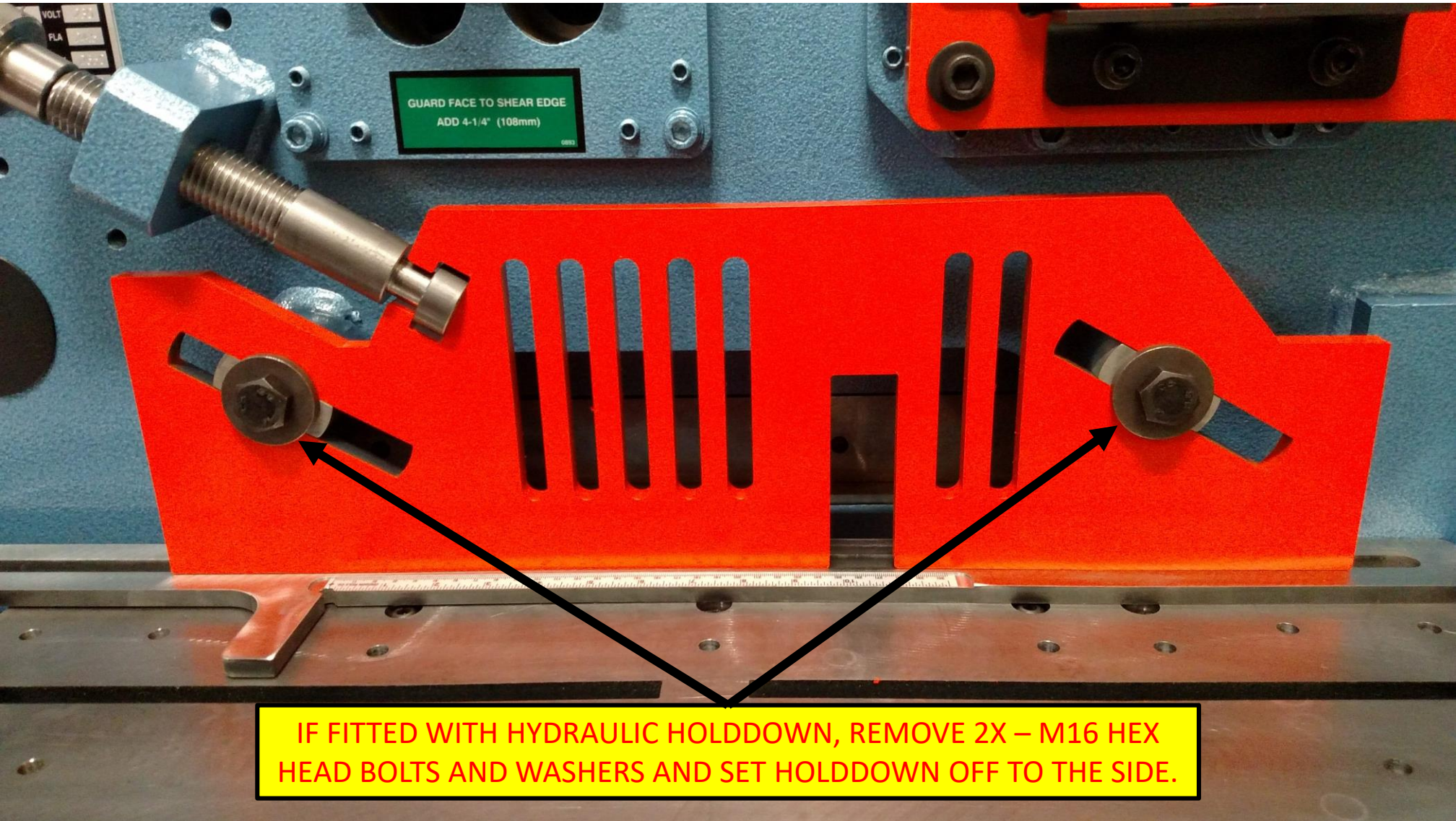
SHUT DISCONNECT OFF AND OPEN ELECTRICAL BOX.

Scatchman
MADE IN USA

SEE NEXT PAGE FOR
HYDRAULIC HOLDDOWN.



SCREW HOLDDOWN TO SHEAR TABLE,
REMOVE 4X – M12 SOCKET HEAD BOLTS,
AND SET HOLDDOWN OFF TO THE SIDE.



GUARD FACE TO SHEAR EDGE
ADD 4-1/4" (108mm)

IF FITTED WITH HYDRAULIC HOLDDOWN, REMOVE 2X – M16 HEX HEAD BOLTS AND WASHERS AND SET HOLDDOWN OFF TO THE SIDE.

UNBOLT ANGLE SHEAR AND
SLIDE IT BACK TOWARDS THE
CONNECTING LINK.

WARNING
TO PREVENT SERIOUS
BODILY INJURY
DO NOT PLACE FINGERS
BEYOND THIS GUARD

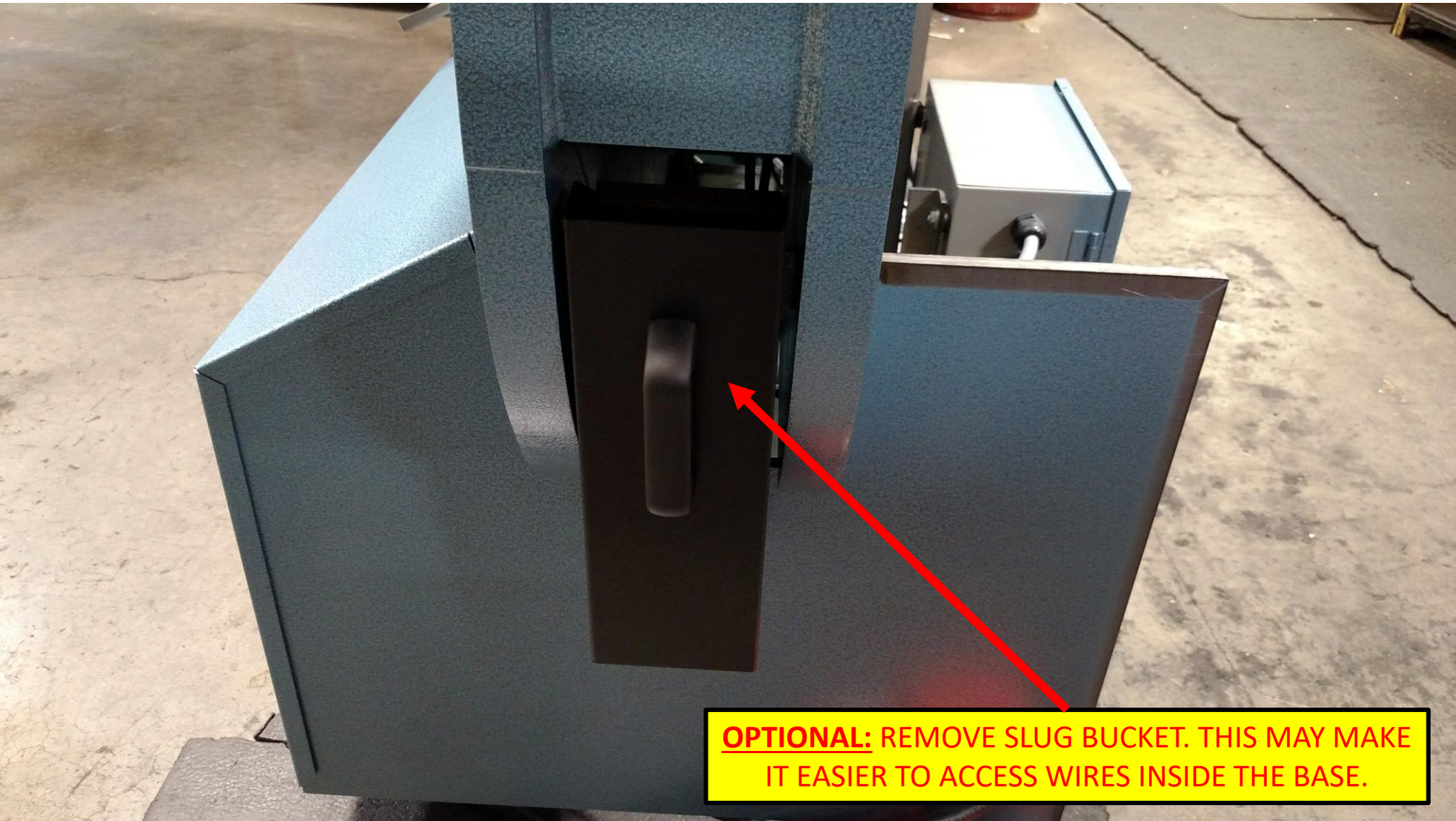
D/N 10247
85/90/120-AS
FIG/85-BK
90/130-RS

26727

WHEN MITERING
DO NOT EXCEED
3 X 3 X 1/4

24M
FACTIES
THROAT DEPTH
RICK
ANGLE SHEAR

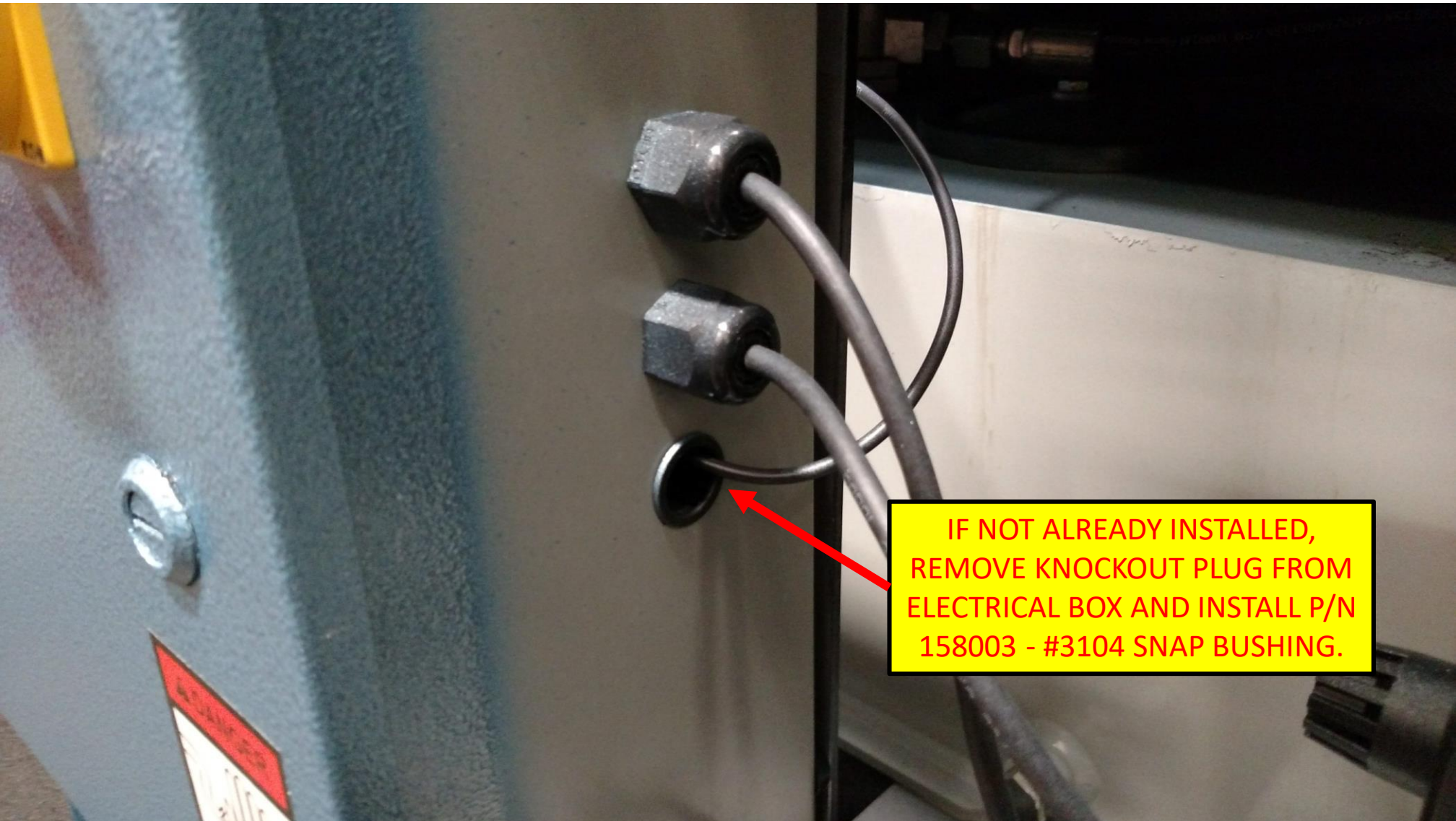
WARNING
TO PREVENT SERIOUS BODILY INJURY
NEVER operate without guards, remove or adjust without proper instructions and
proper training and understanding the operator's manual and safety sign.
NEVER operate machine with electrical safety interlocks removed.
NEVER place any part of your body or any repetitive motions or hand placed in place.
NEVER operate machine unless you are 100% aware of moving members.
NEVER operate machine without checking the status for alignment and lightness.
NEVER operate machine in any unsafe condition.
DO NOT REMOVE THIS SIGN FROM THIS MACHINE
FOR MORE INFORMATION CONTACT SCOTTSBURN INDUSTRIES INC. AT
1-800-845-2844



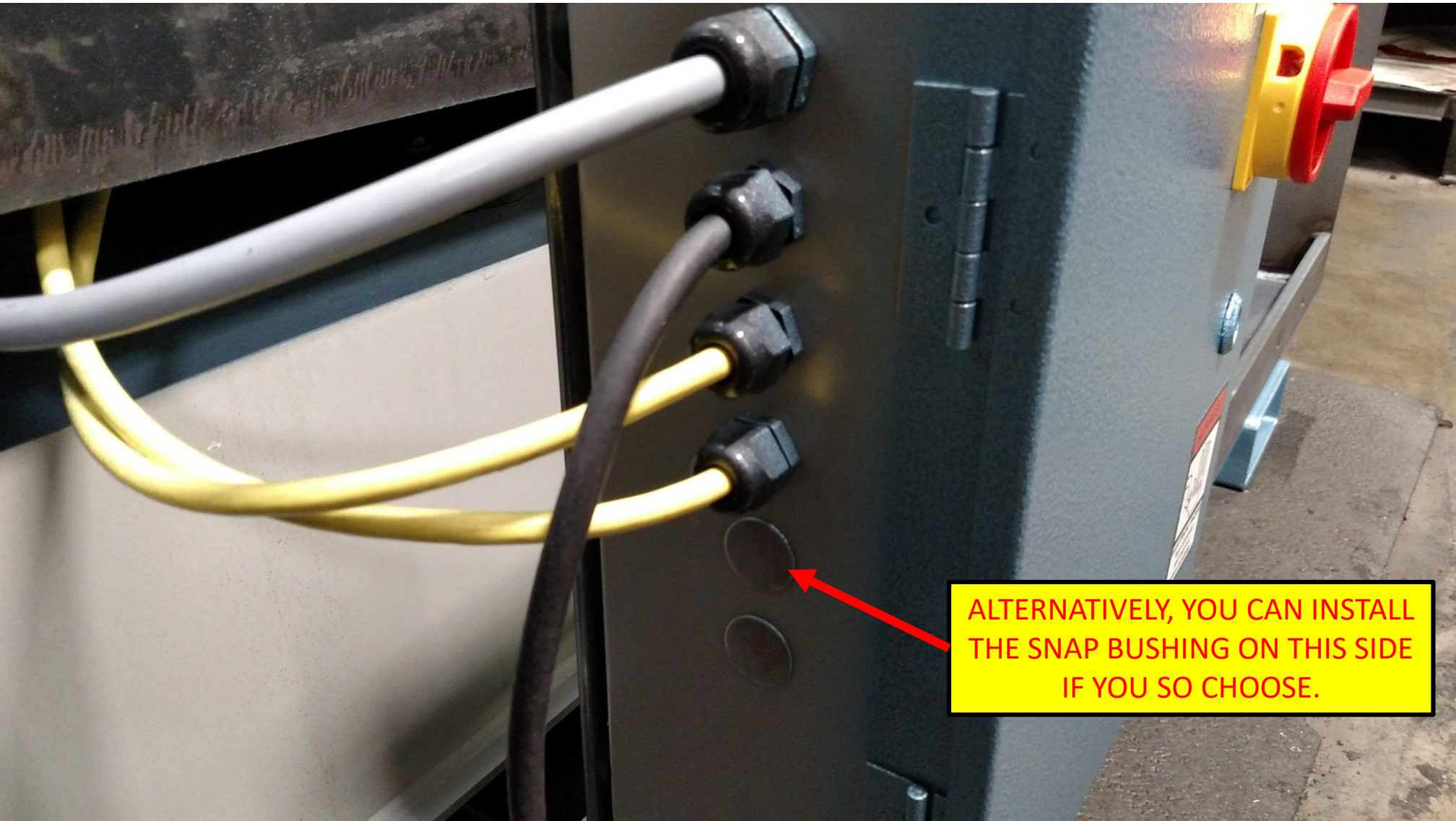
OPTIONAL: REMOVE SLUG BUCKET. THIS MAY MAKE IT EASIER TO ACCESS WIRES INSIDE THE BASE.



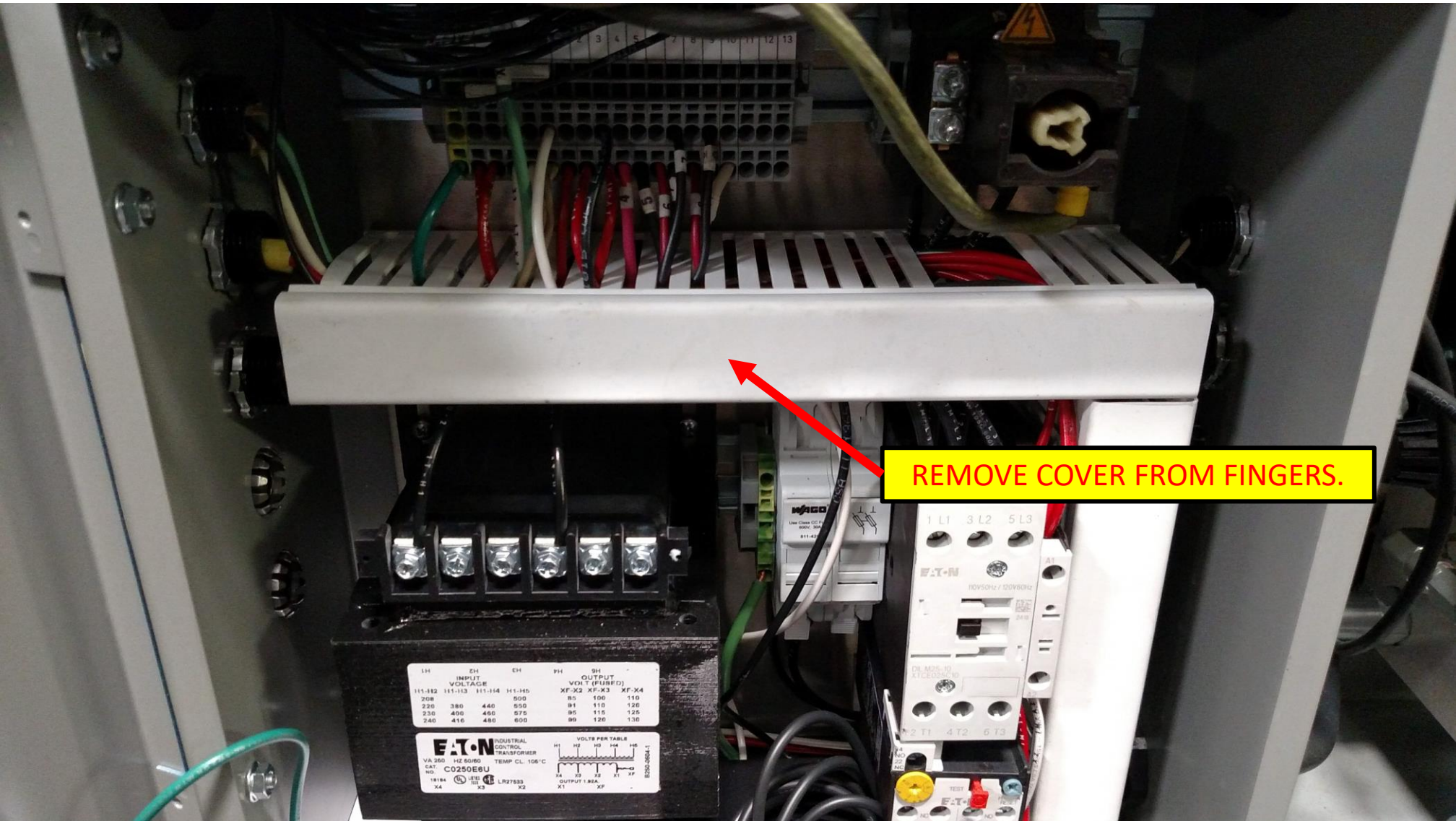
OPTIONAL: SWING STRIPPER OUT AND REMOVE DIE HOLDER AND DIE SPACER (IF EQUIPPED). THIS WILL MAKE IT EASIER TO INSTALL WIRES ON THE THROAT BRACE.



IF NOT ALREADY INSTALLED,
REMOVE KNOCKOUT PLUG FROM
ELECTRICAL BOX AND INSTALL P/N
158003 - #3104 SNAP BUSHING.



ALTERNATIVELY, YOU CAN INSTALL THE SNAP BUSHING ON THIS SIDE IF YOU SO CHOOSE.



REMOVE COVER FROM FINGERS.

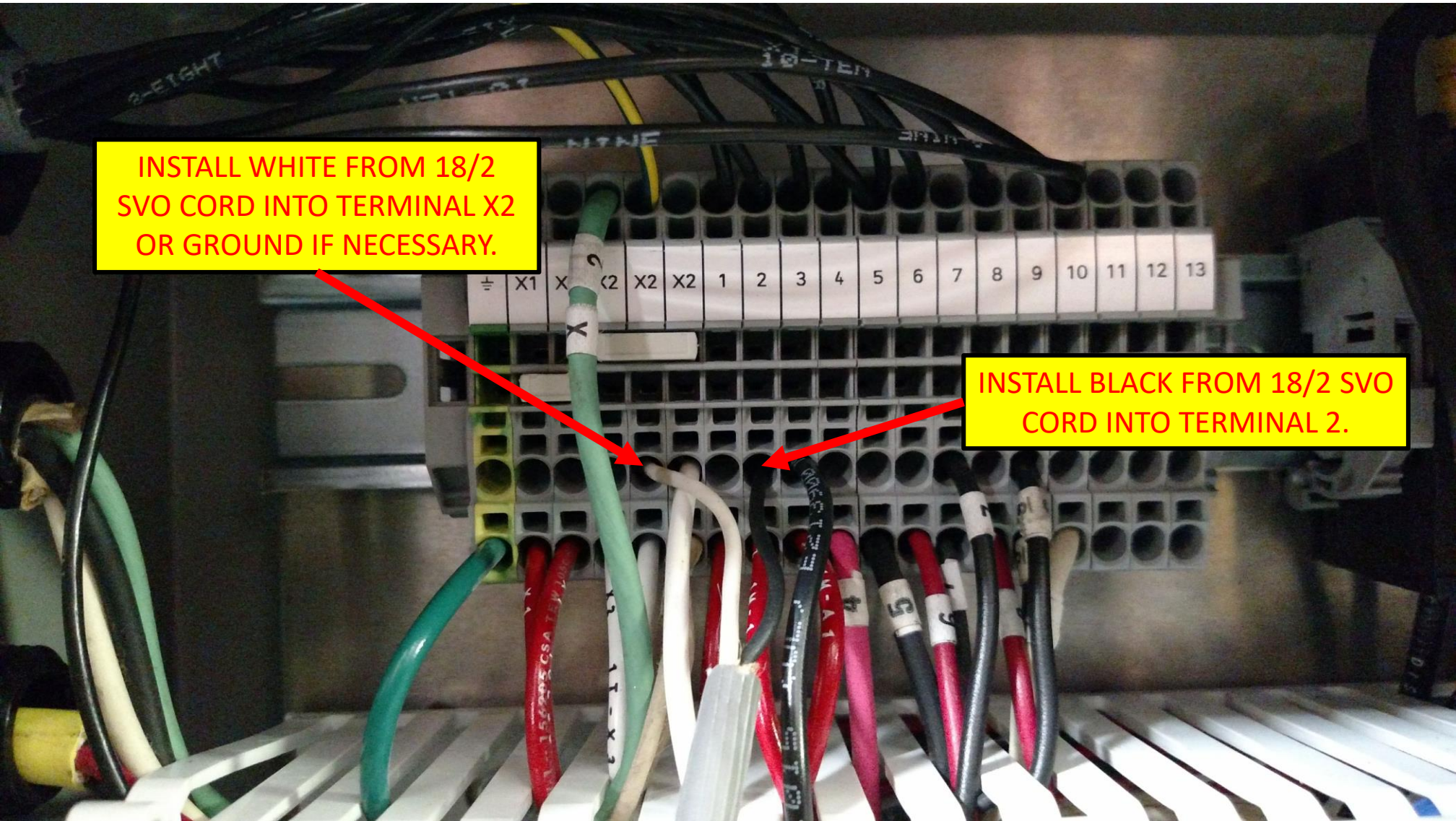
IH	EH	E1	FH	SH	OUTPUT VOLT (FUSED)	
111-112	111-113	111-114	111-115		XF-X2	XF-X3
208		500			85	100
220	380	440	550		91	110
230	400	460	575		95	115
240	416	480	600		99	120

FATON INDUSTRIAL CONTROL TRANSFORMER
VA 280 HZ 60/50 TEMP CL 105°C
CAT. NO. C0250E8U
18184 X4
LR27533 X2

VOLTS PER TABLE
H1 H2 H3 H4 H5
X1 X2 X3 X4 X5 X6 X7 X8 X9 X10 X11 X12 X13 X14 X15 X16 X17 X18 X19 X20 X21 X22 X23 X24 X25 X26 X27 X28 X29 X30 X31 X32 X33 X34 X35 X36 X37 X38 X39 X40 X41 X42 X43 X44 X45 X46 X47 X48 X49 X50 X51 X52 X53 X54 X55 X56 X57 X58 X59 X60 X61 X62 X63 X64 X65 X66 X67 X68 X69 X70 X71 X72 X73 X74 X75 X76 X77 X78 X79 X80 X81 X82 X83 X84 X85 X86 X87 X88 X89 X90 X91 X92 X93 X94 X95 X96 X97 X98 X99 X100

**INSTALL WHITE FROM 18/2
SVO CORD INTO TERMINAL X2
OR GROUND IF NECESSARY.**

**INSTALL BLACK FROM 18/2 SVO
CORD INTO TERMINAL 2.**

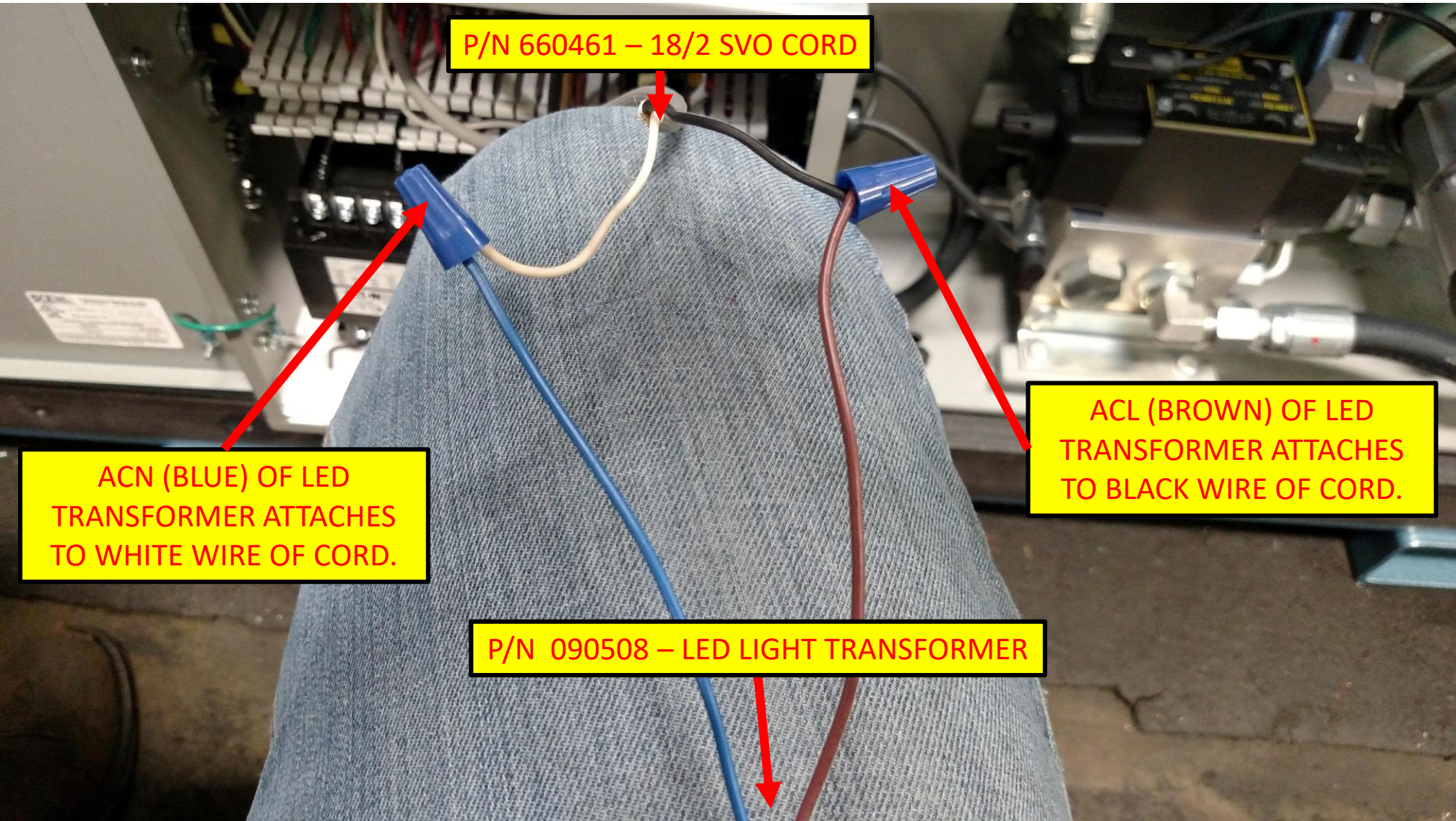


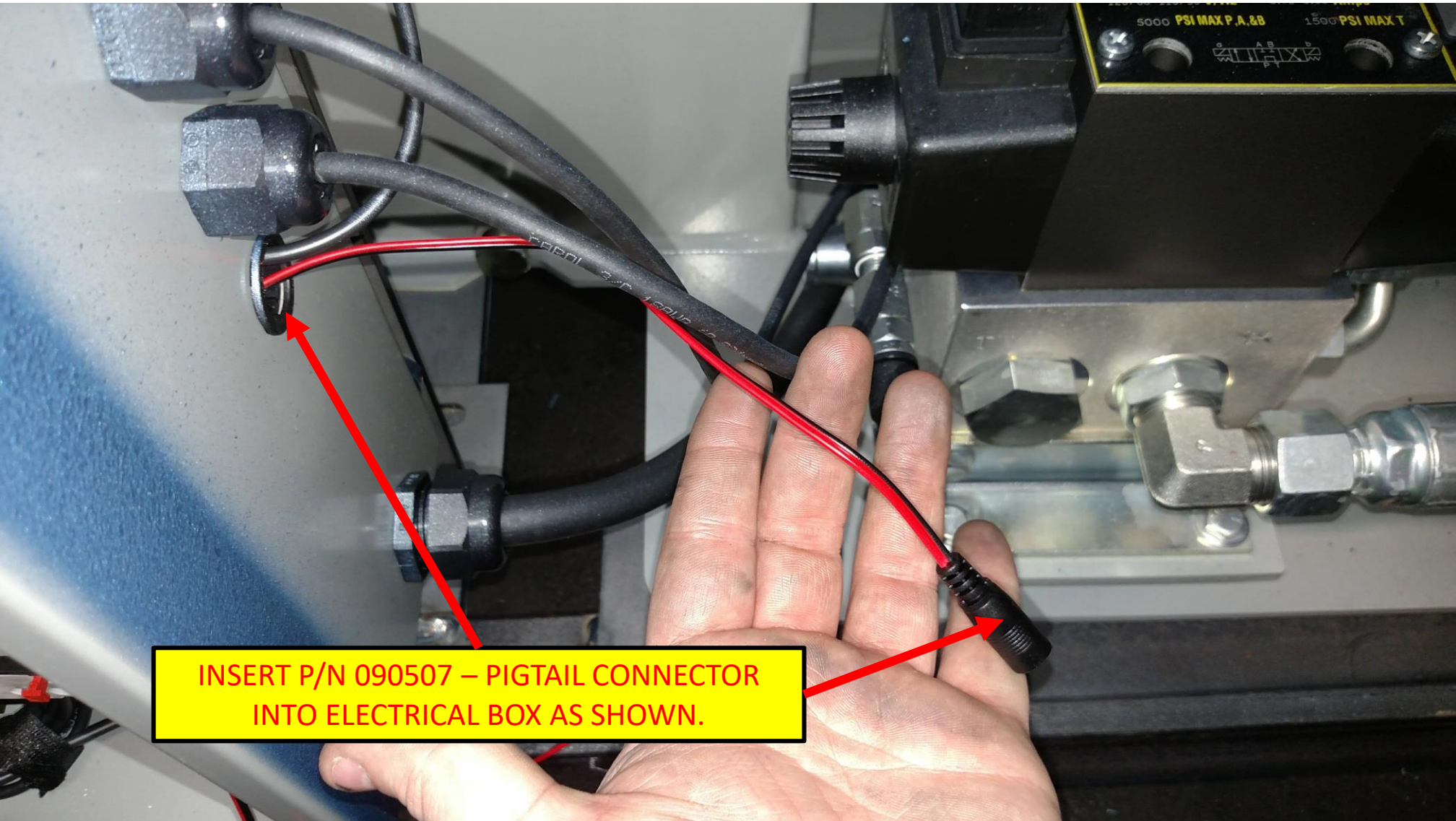
P/N 660461 – 18/2 SVO CORD

ACN (BLUE) OF LED
TRANSFORMER ATTACHES
TO WHITE WIRE OF CORD.

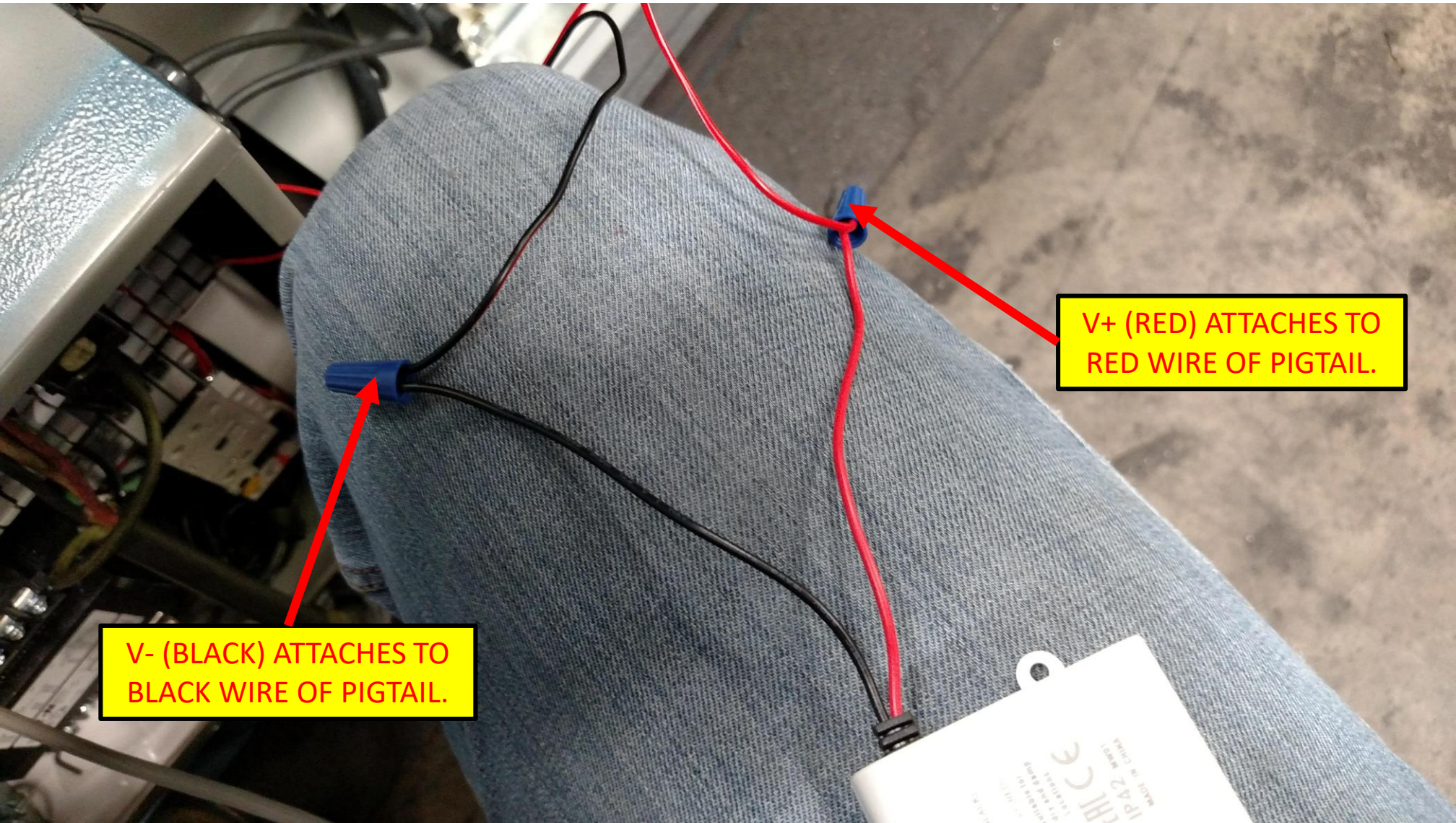
ACL (BROWN) OF LED
TRANSFORMER ATTACHES
TO BLACK WIRE OF CORD.

P/N 090508 – LED LIGHT TRANSFORMER





**INSERT P/N 090507 - PIGTAIL CONNECTOR
INTO ELECTRICAL BOX AS SHOWN.**



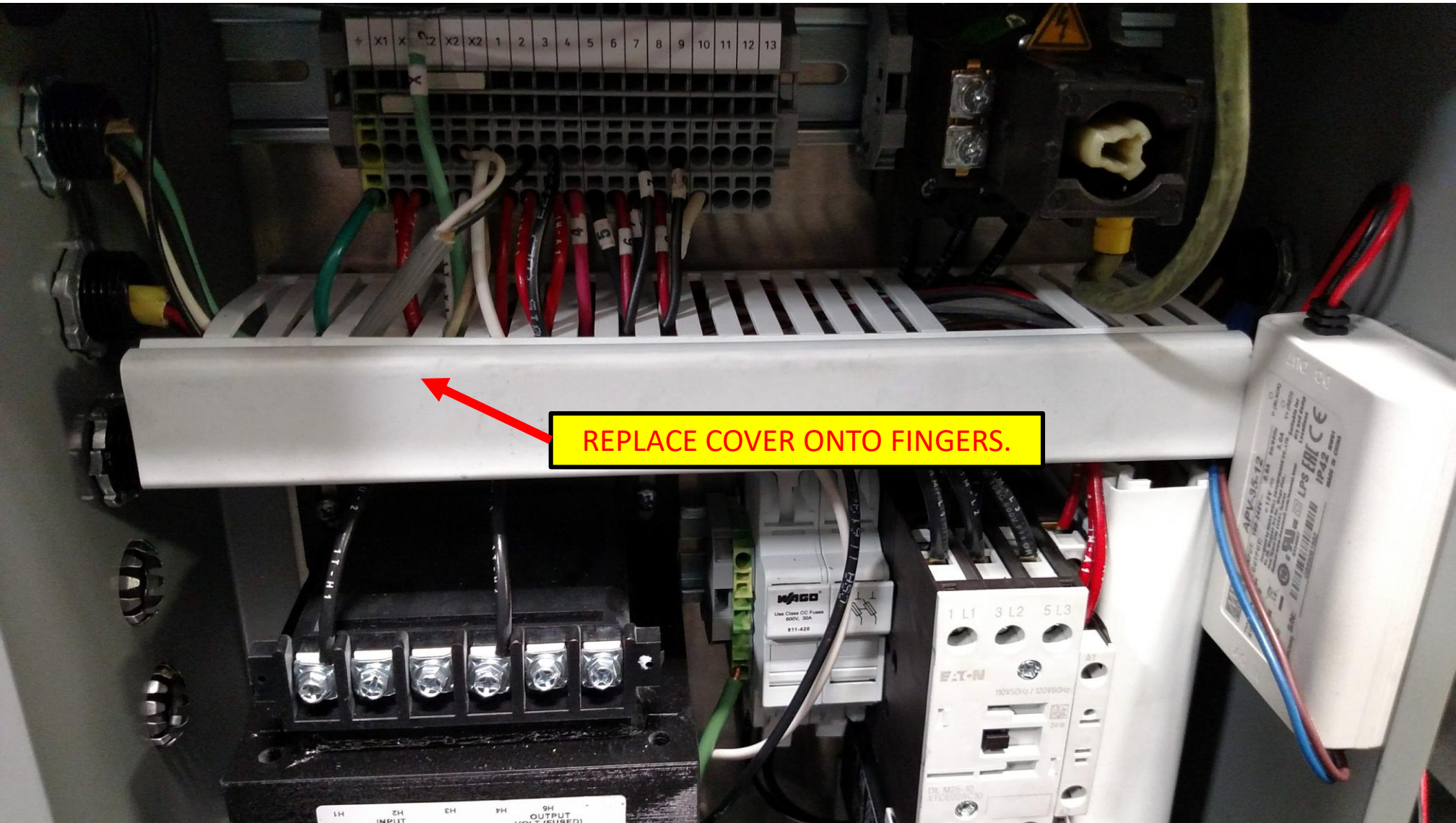
V+ (RED) ATTACHES TO RED WIRE OF PIGTAIL.

V- (BLACK) ATTACHES TO BLACK WIRE OF PIGTAIL.

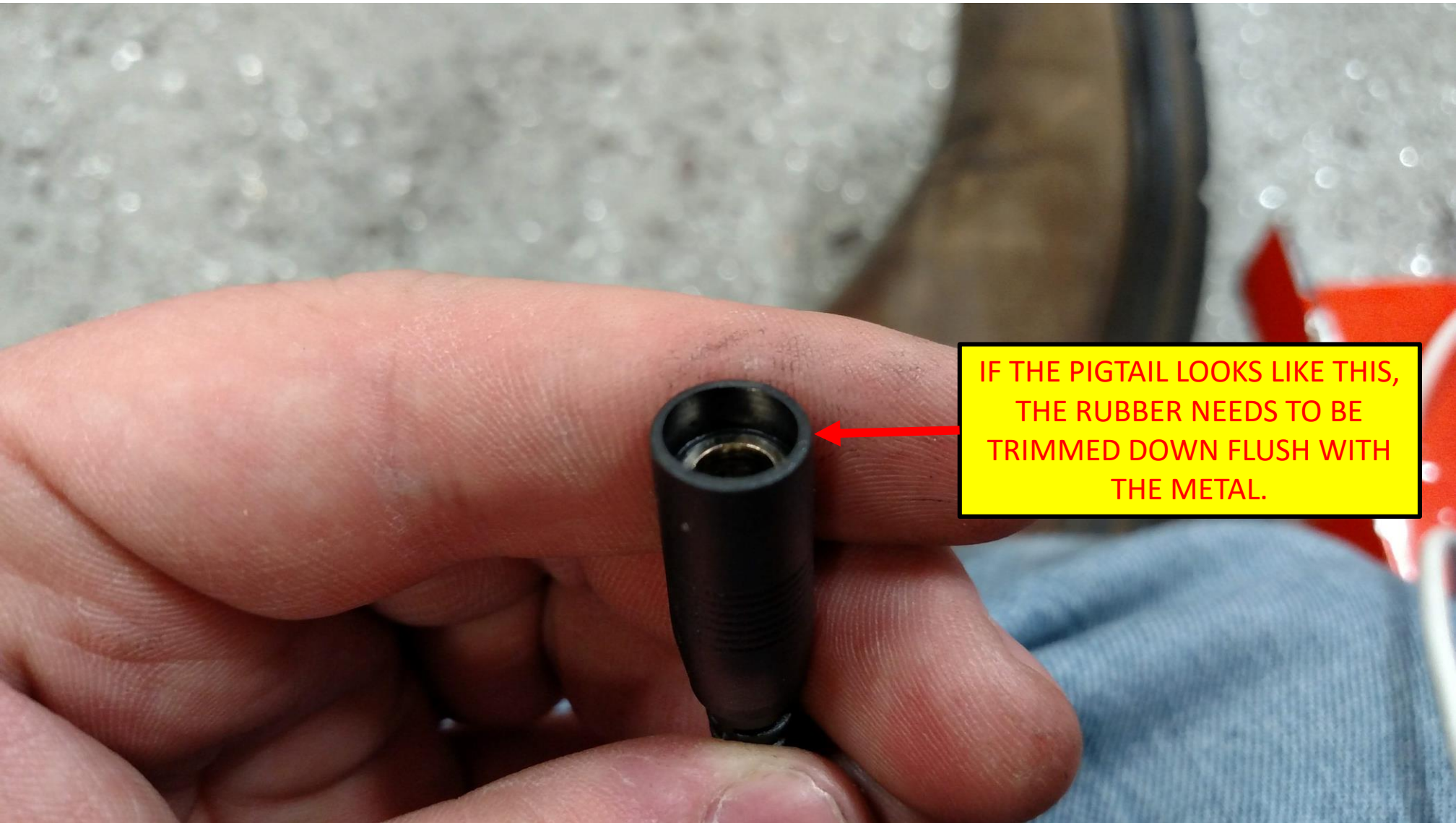
CAUTION: IF PUTTING TRANSFORMER ON RIGHT SIDE OF BOX, MAKE SURE TO PUT THE TRANSFORMER EITHER HIGH OR LOW ENOUGH TO NOT INTERFERE WITH THE ELECTRICAL BOX LATCH.

TUCK THE WIRES AND CORD AS SHOWN.

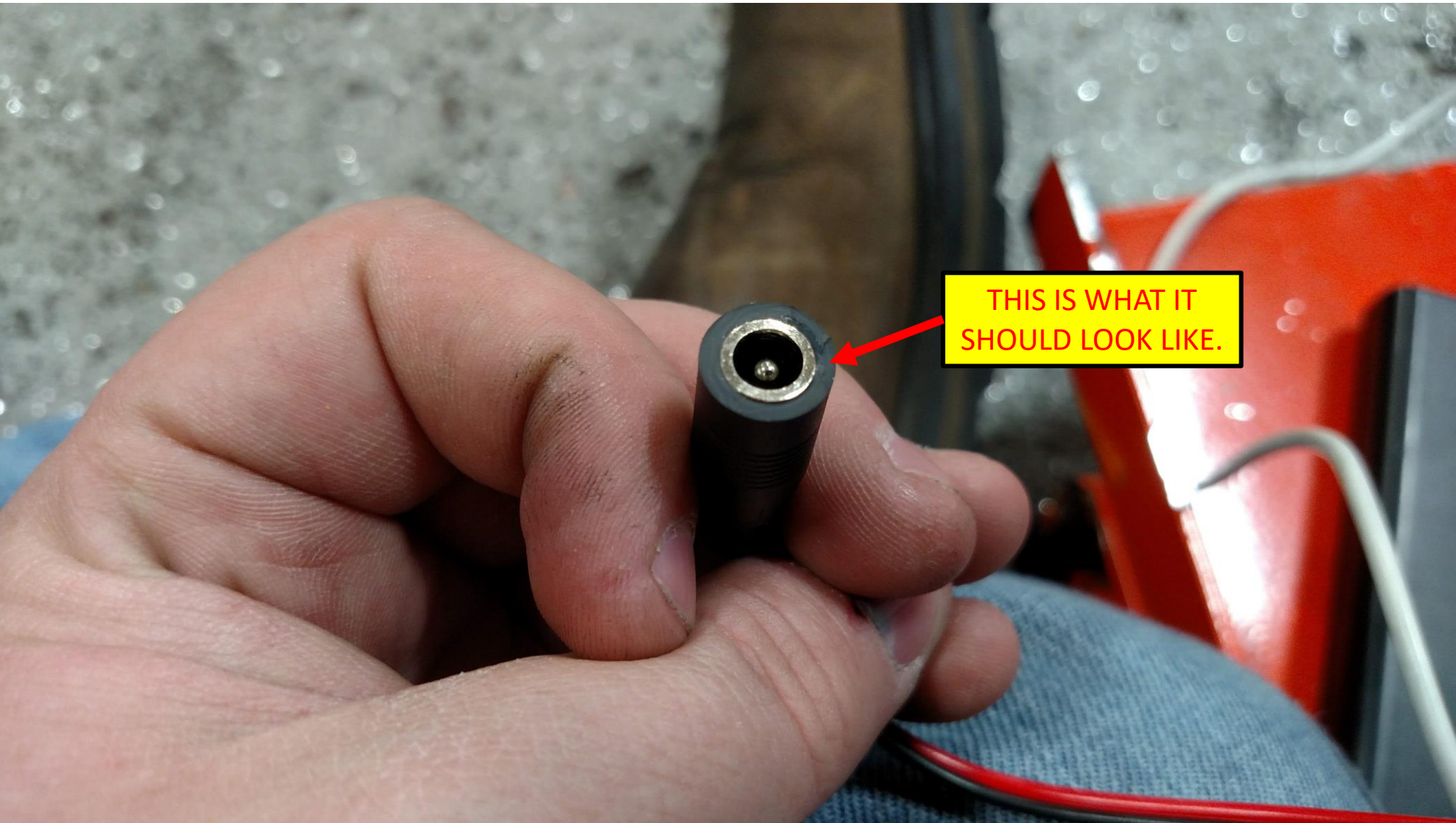
PEEL THE TAPE BACKING OFF FROM P/N 090508 – LED LIGHT TRANSFORMER AND APPLY TO SIDE OF BOX THAT SNAP BUSHING IS INSTALLED.



REPLACE COVER ONTO FINGERS.



IF THE PIGTAIL LOOKS LIKE THIS,
THE RUBBER NEEDS TO BE
TRIMMED DOWN FLUSH WITH
THE METAL.



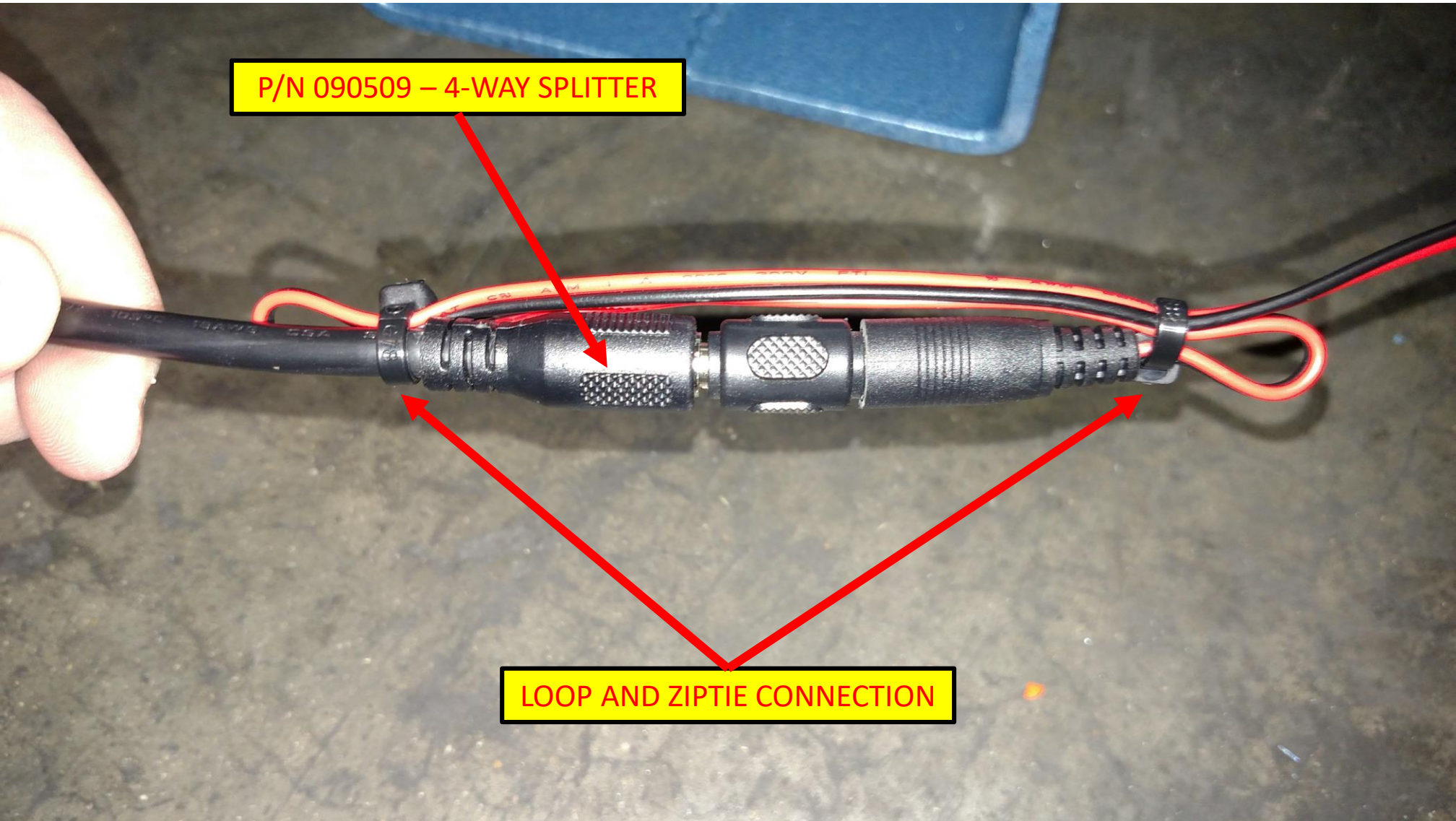
THIS IS WHAT IT
SHOULD LOOK LIKE.

P/N 090506 – MALE-MALE CONNECTOR

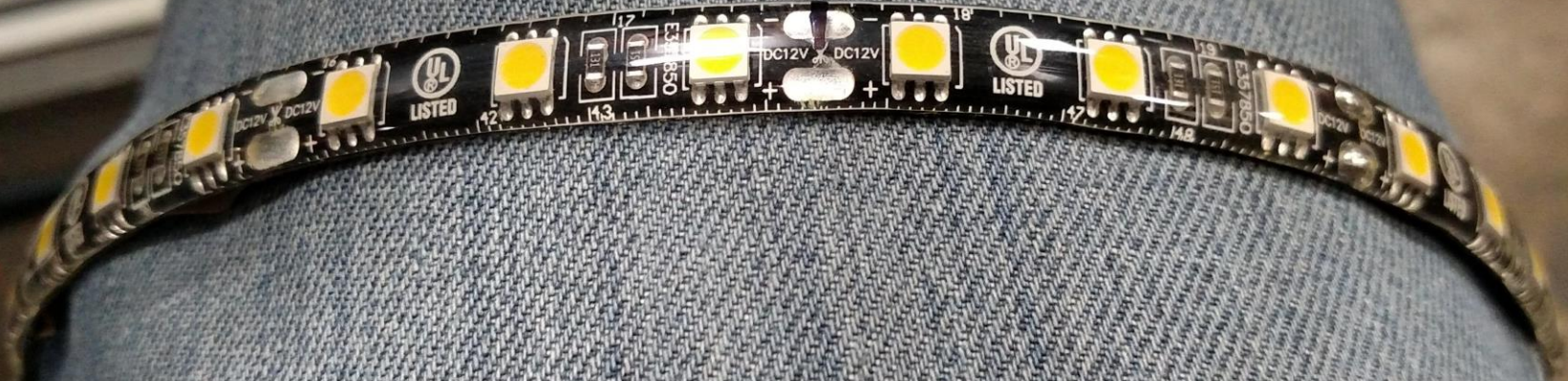


P/N 090509 – 4-WAY SPLITTER

LOOP AND ZIPTIE CONNECTION



MAKE A SMALL MARK IN THE MIDDLE
OF P/N 090545 – 36 LED BULB STRIP
(24 IN.) WITH A SHARPIE.




NOTE: BEFORE APPLYING THE LED STRIP, IT IS VERY IMPORTANT TO CLEAN THE SURFACE AS DETAILED [HERE](#).

CLEAN UNDERSIDE.

HOLD THE STRIP UP WITH THE PLASTIC CONNECTOR (ON LEFT) AGAINST THE FRAME. MAKE A SMALL MARK IN THE CENTER OF THE FRAME THAT CORRESPONDS WITH THE MARK ON THE STRIP (SEE NEXT PAGE).

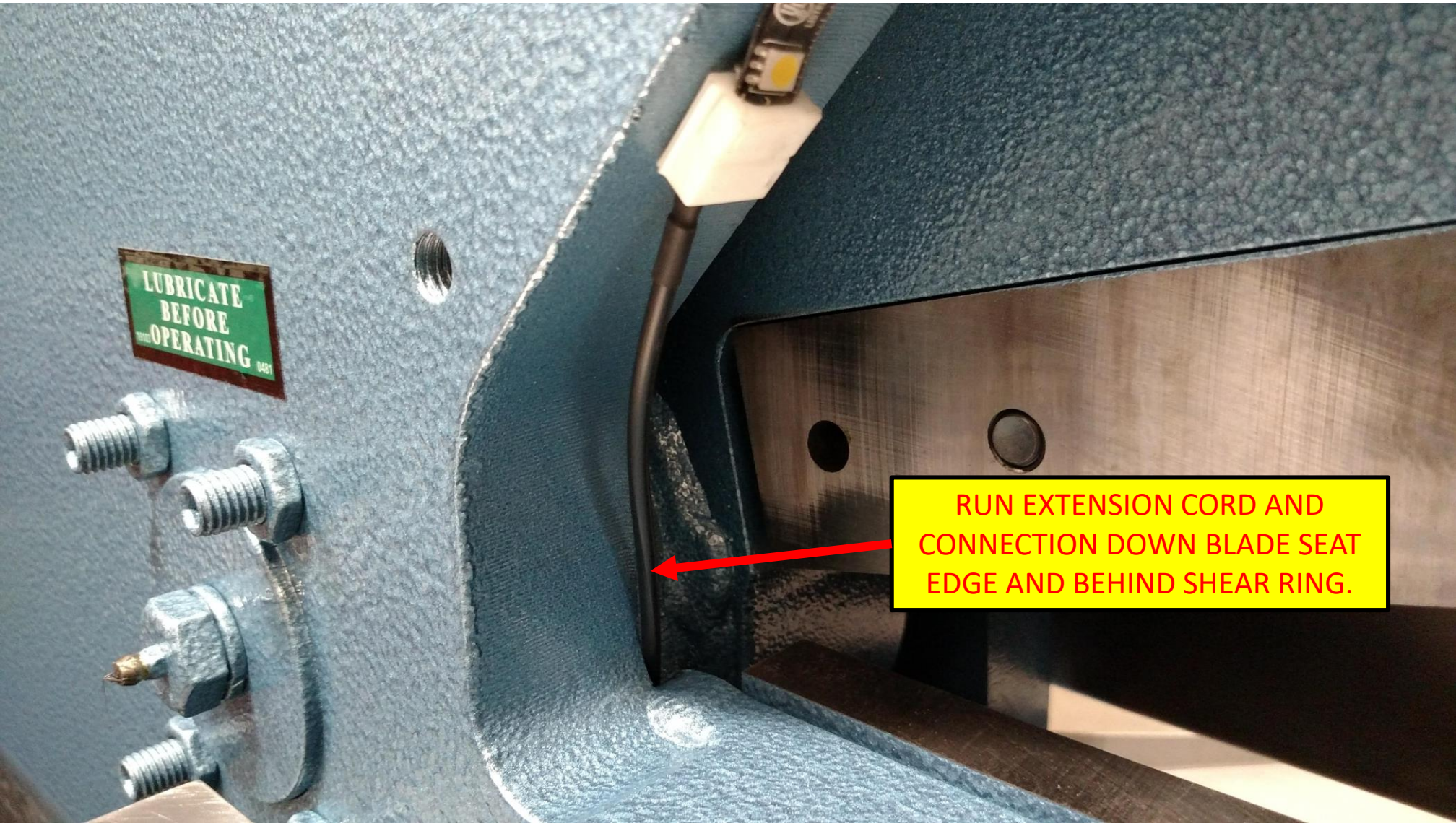
NOTE: THE 3M VHB TAPE IS A PRESSURE ACTIVATED ADHESIVE. IF **LIGHTLY APPLIED** TO A SURFACE, IT MAY BE POSSIBLE TO PULL OFF AND REAPPLY. IF **FIRMLY ATTACHED**, IT WILL BE NEAR IMPOSSIBLE TO MOVE.



PEEL THE TAPE BACKING OFF AND APPLY THE STRIP TO THE UNDERSIDE, MAKING SURE TO ALIGN THE MARKS. RUN FINGER ALONG AND PRESS FIRMLY.



ATTACH P/N 090503 – 1 METER EXTENSION TO THE STRIP, LOOP, AND ZIPTIE THE CONNECTION SO IT CAN'T SHAKE LOOSE.



RUN EXTENSION CORD AND CONNECTION DOWN BLADE SEAT EDGE AND BEHIND SHEAR RING.



ATTACH P/N 011713 – LATCHING
CLIP TO INSIDE OF FRONT FRAME
AND CORRAL SHEAR LED CORD.



9012 MACHINE

SHEAR EXTENSION CORD
SHOULD EXIT OUT BOTTOM OF
FRAME NEAR OTHER CORDS.

MAKE SURE CORD GOES ON
PUNCH SIDE OF FRAME SPACER.

6509 MACHINE

UNIVERSAL
PART# 10025181

EXTENSION CORDS GO THROUGH
HOLE IN FRAME SPACER.



12012 MACHINE

SHEAR EXTENSION CORD
SHOULD EXIT OUT BOTTOM OF
FRAME NEAR OTHER CORDS.

CORDS HANG FREELY,
NO FRAME SPACER.




**CLEAN THROAT BRACE
FROM TOP TO OVER
HALFWAY DOWN.**

**NOTE: BEFORE APPLYING THE LED STRIP, IT IS VERY
IMPORTANT TO CLEAN THE SURFACE AS DETAILED [HERE](#).**



ALIGN TOP OF STRIP WITH
TOP OF THROAT BRACE.

REMOVE TAPE
BACKING AND APPLY 2X
- P/N 090541 - 9 LED
BULB STRIP (6 IN.).
PRESS FIRMLY.

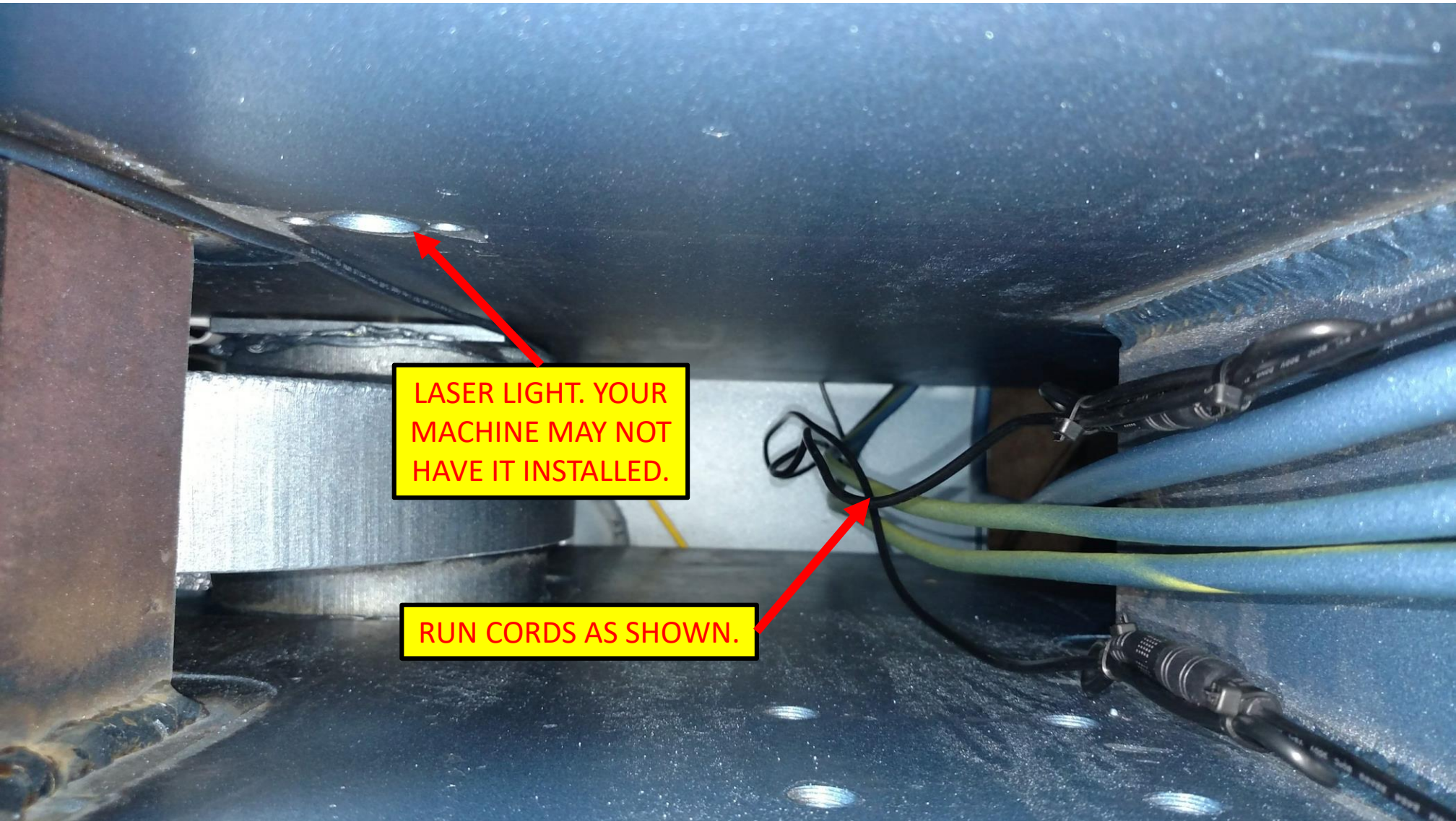


NOTE: THE 3M VHB TAPE IS A PRESSURE ACTIVATED ADHESIVE. IF *LIGHTLY APPLIED* TO A SURFACE, IT MAY BE POSSIBLE TO PULL OFF AND REAPPLY. IF *FIRMLY ATTACHED*, IT WILL BE NEAR IMPOSSIBLE TO MOVE.



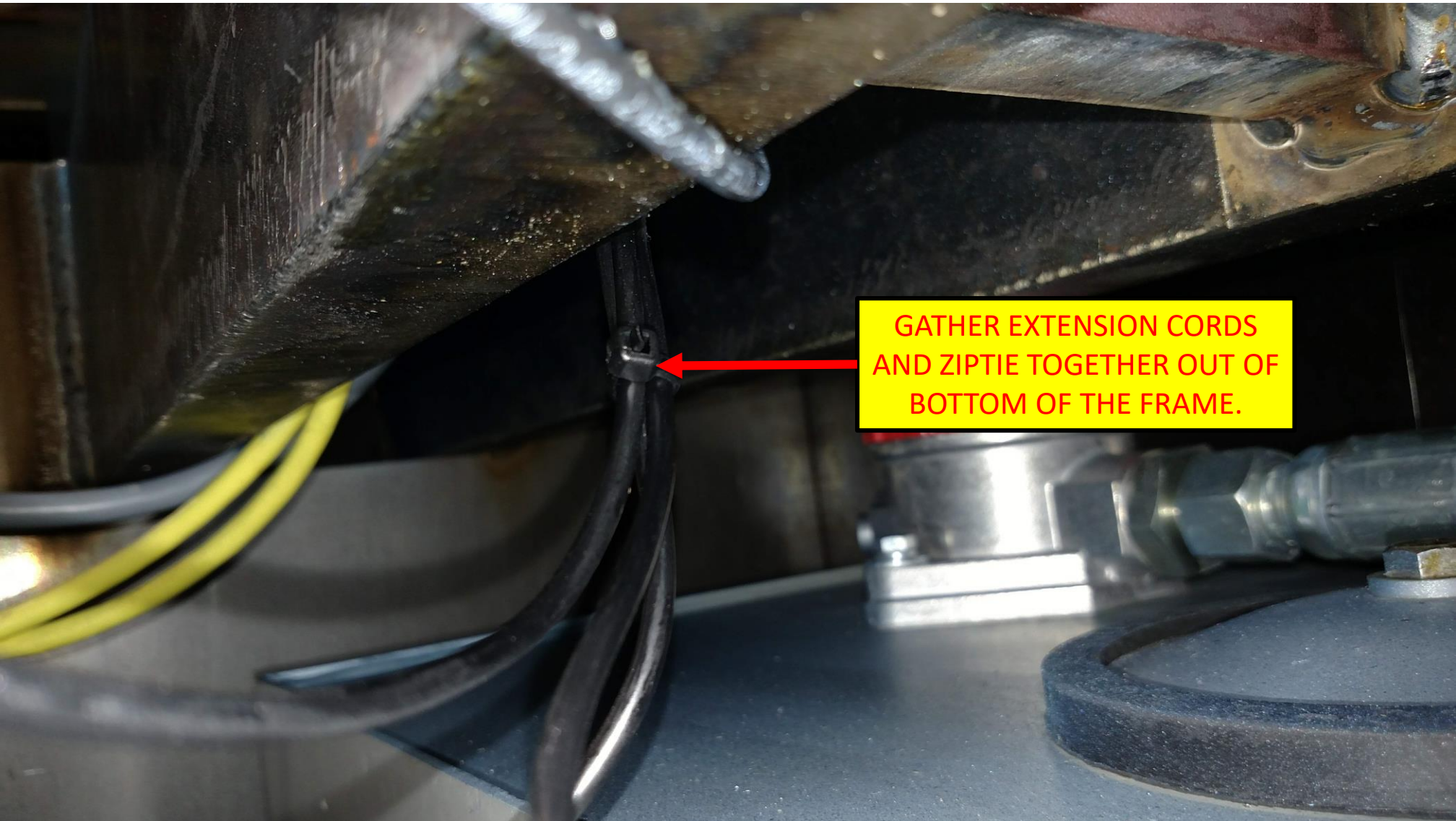
RUN STRIP CORDS OVER
TOP OF THROAT BRACE
AND DOWN BACKSIDE.

ATTACH 2X – P/N 090502 – 3
METER EXTENSION CORDS TO
STRIPS, LOOP, AND ZIPTIE



LASER LIGHT. YOUR MACHINE MAY NOT HAVE IT INSTALLED.

RUN CORDS AS SHOWN.



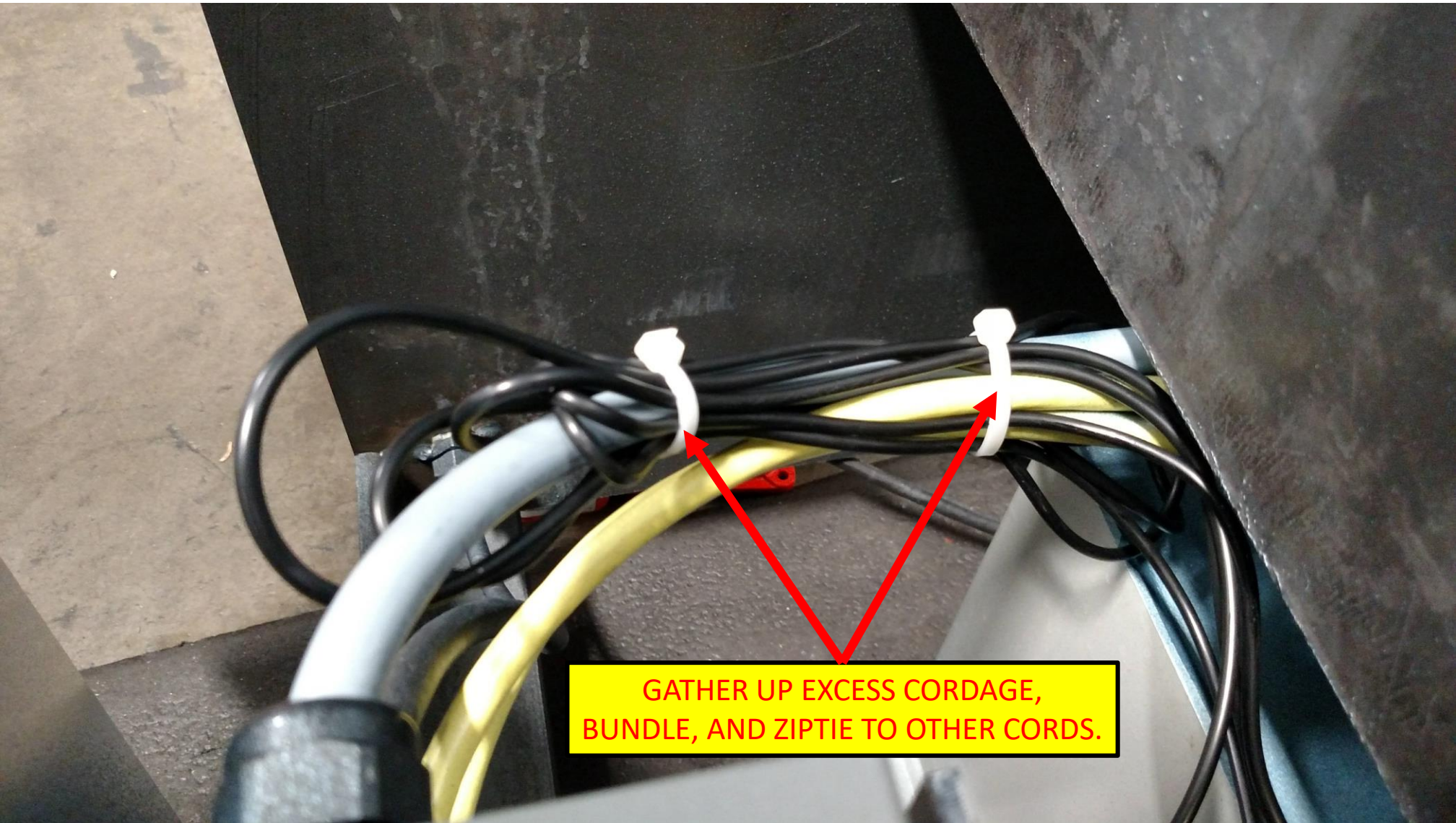
GATHER EXTENSION CORDS
AND ZIPTIE TOGETHER OUT OF
BOTTOM OF THE FRAME.

CONNECT EXTENSION
CORDS TO SPLITTER.



LOOP AND ZIPTIE THE SPLITTER CONNECTION SO IT CAN'T SHAKE LOOSE.



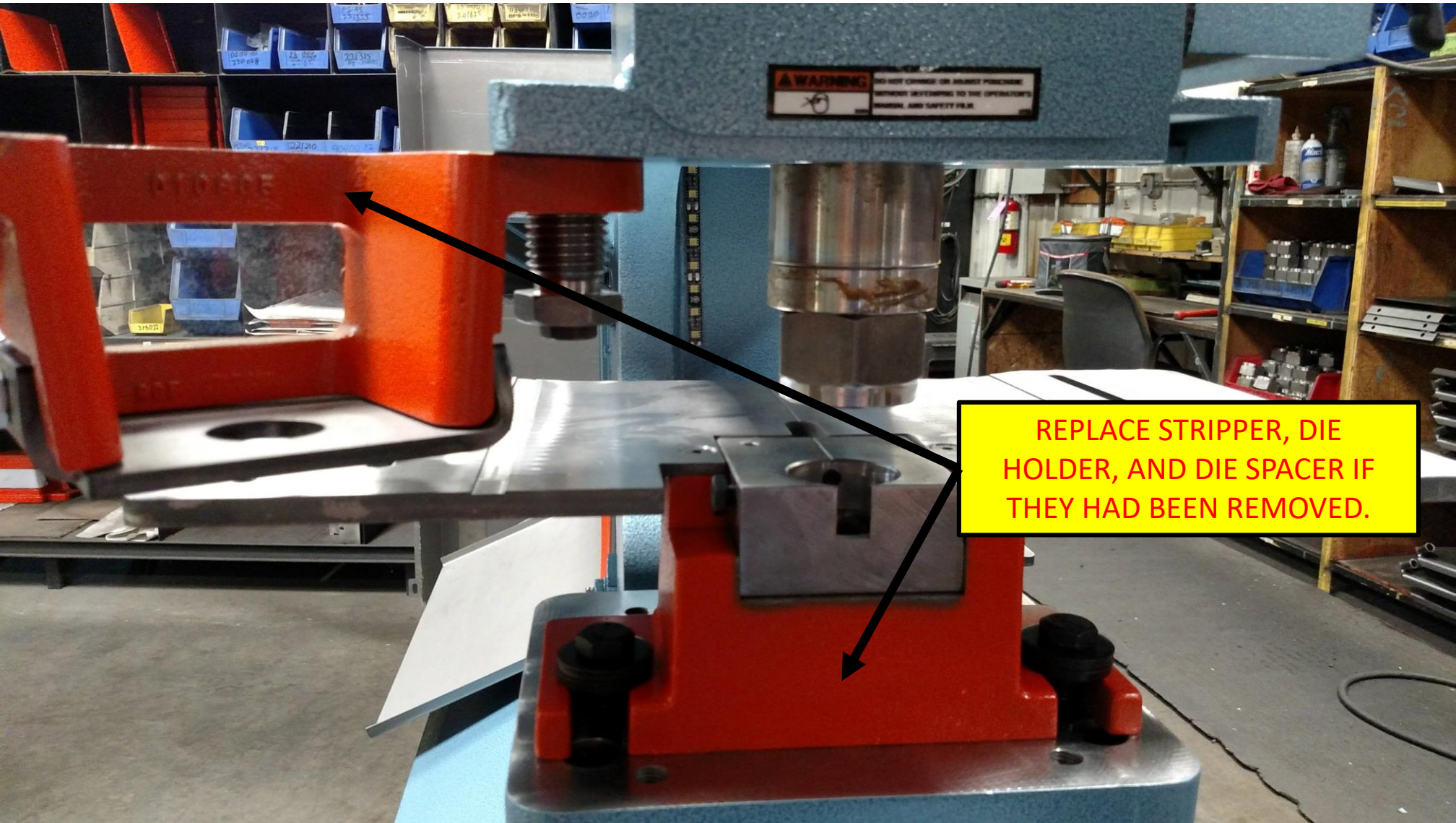


GATHER UP EXCESS CORDAGE,
BUNDLE, AND ZIPTIE TO OTHER CORDS.

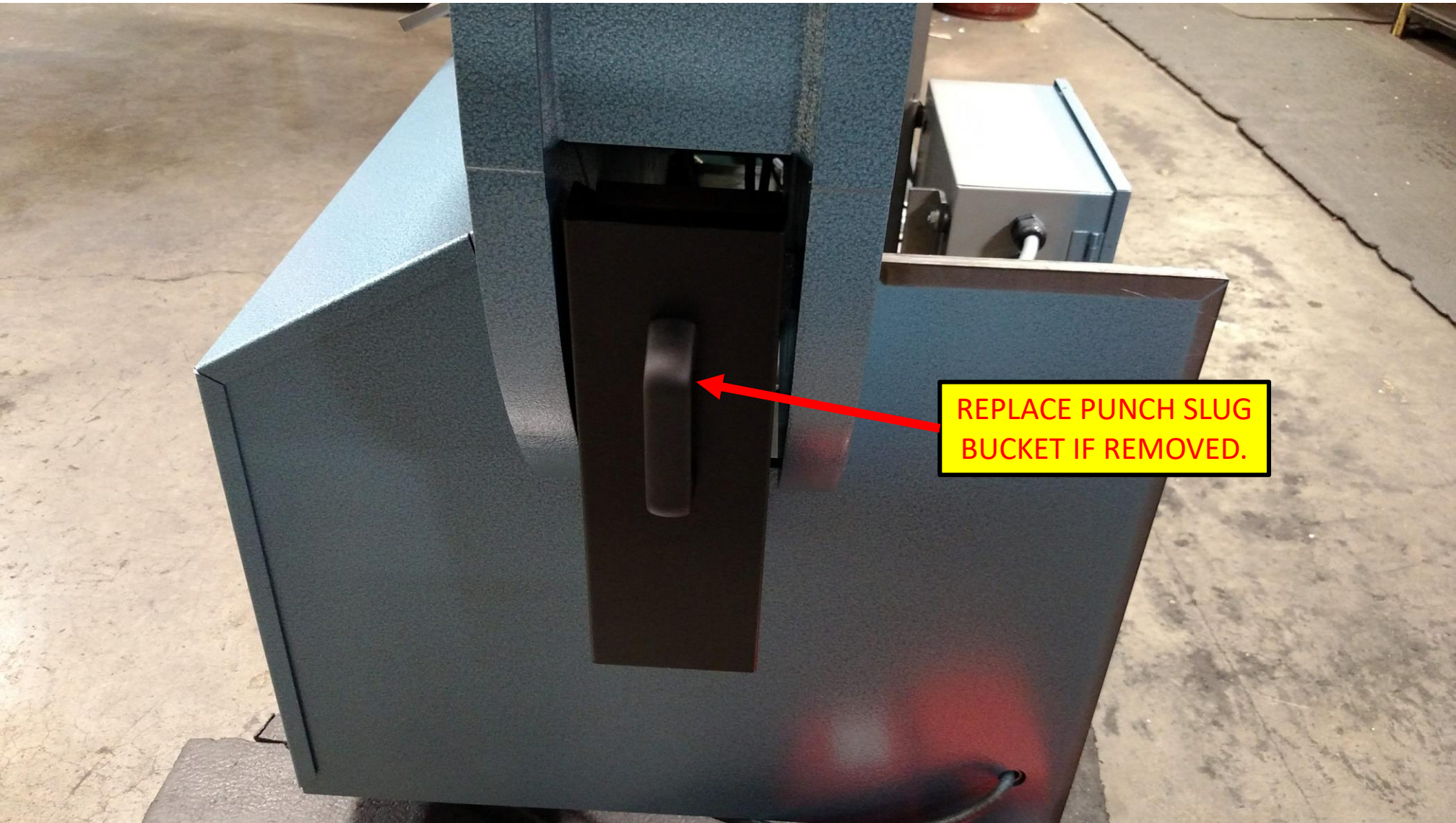


ALTERNATIVE METHOD

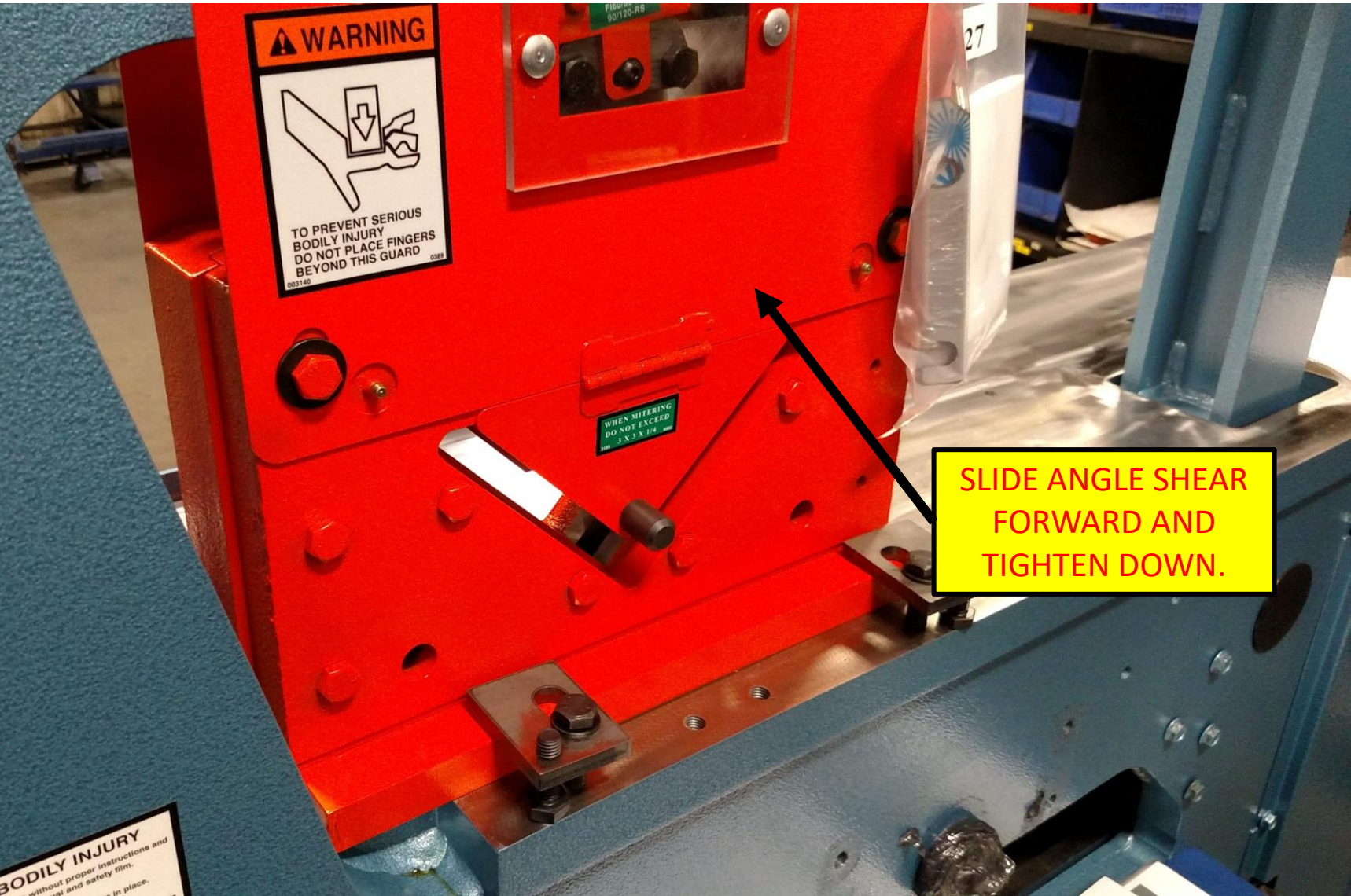
**GATHER UP EXCESS
CORDAGE, BUNDLE, AND
ZIPTIE TO OTHER CORDS.**



**REPLACE STRIPPER, DIE
HOLDER, AND DIE SPACER IF
THEY HAD BEEN REMOVED.**



**REPLACE PUNCH SLUG
BUCKET IF REMOVED.**

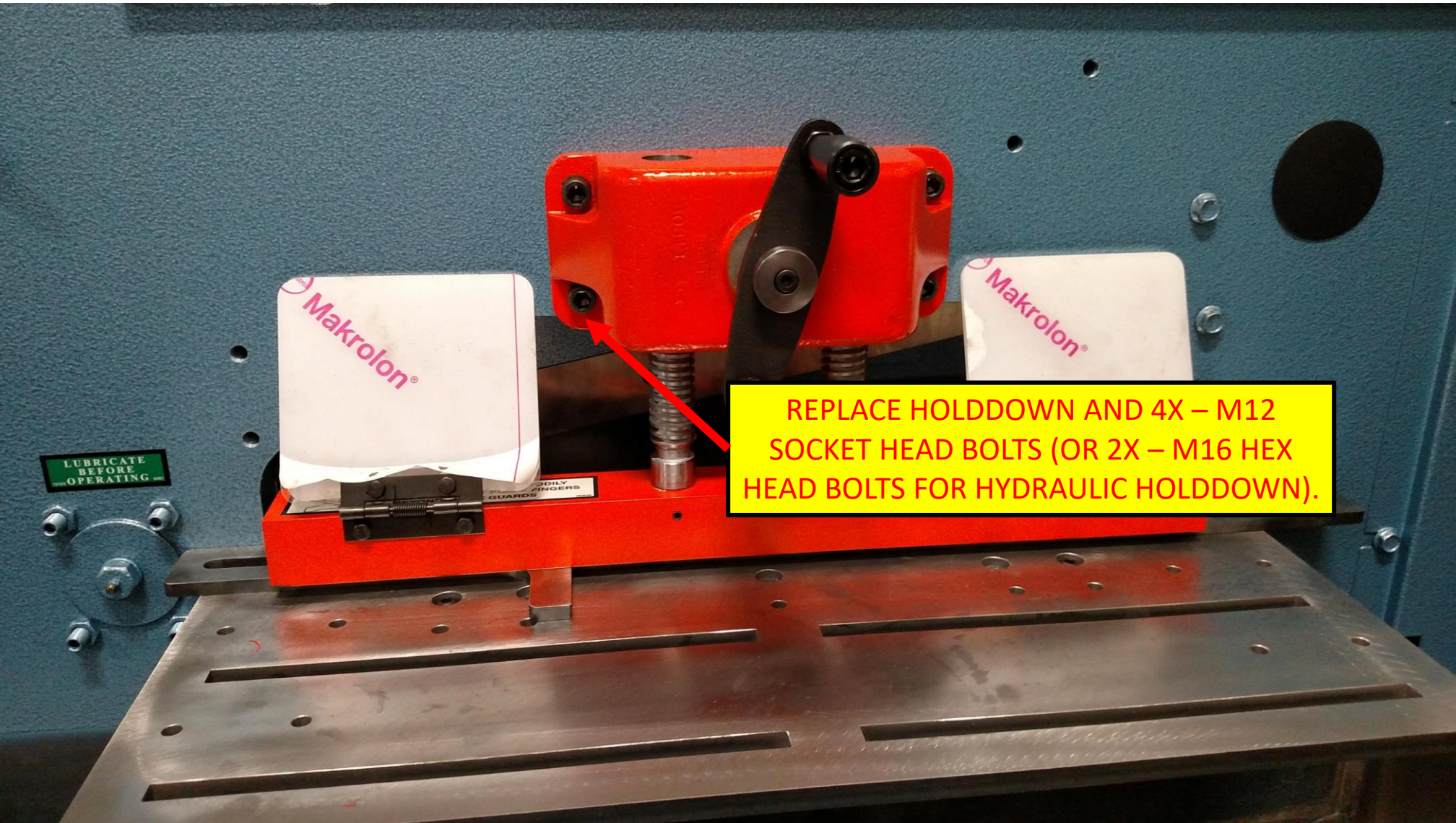


WARNING
TO PREVENT SERIOUS BODILY INJURY DO NOT PLACE FINGERS BEYOND THIS GUARD
033140 0388

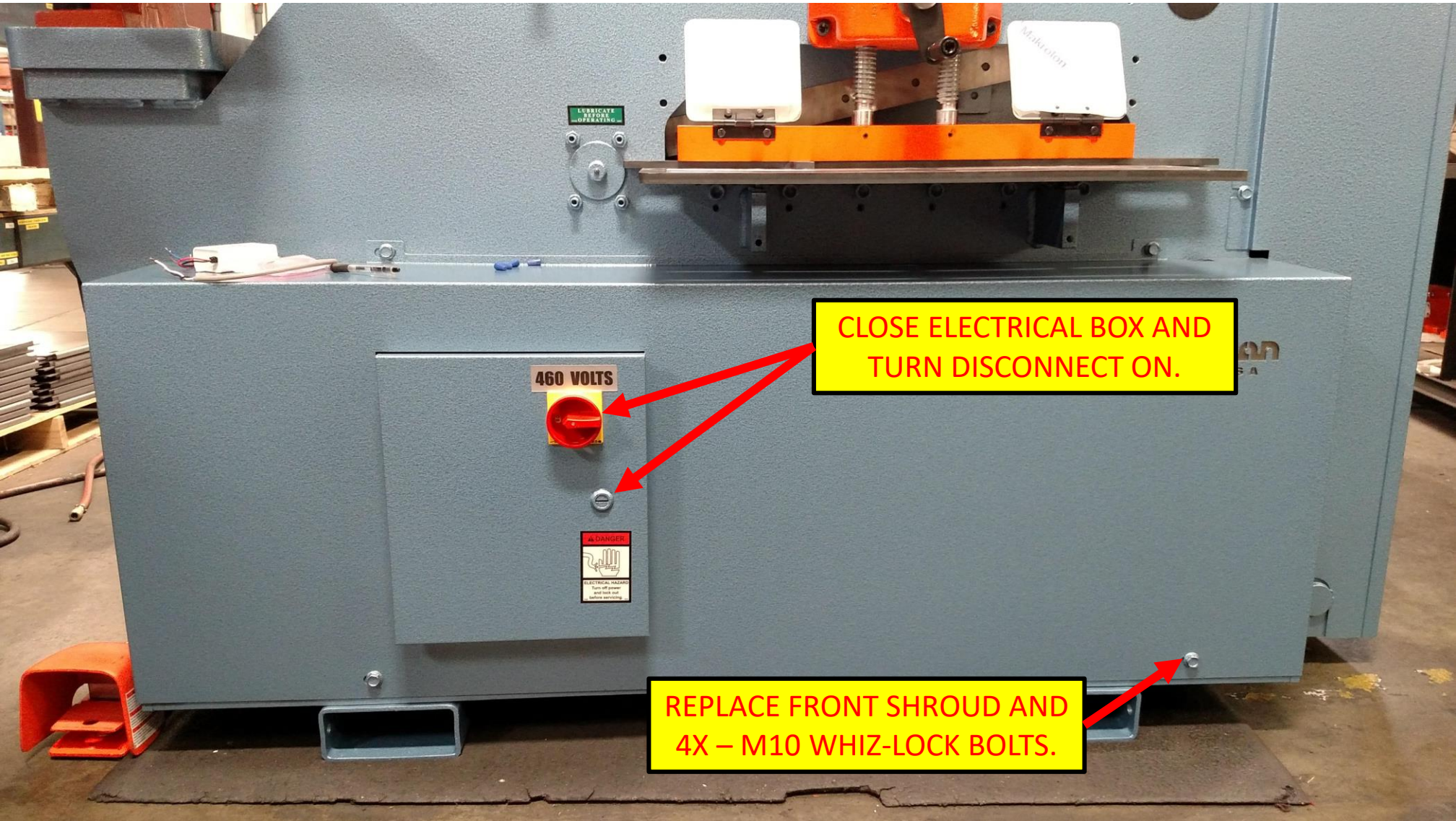
WHEN MITERING DO NOT EXCEED 3 X 3 X 1/4

SLIDE ANGLE SHEAR FORWARD AND TIGHTEN DOWN.

BODILY INJURY
without proper instructions and safety film.
in place.



REPLACE HOLDDOWN AND 4X – M12 SOCKET HEAD BOLTS (OR 2X – M16 HEX HEAD BOLTS FOR HYDRAULIC HOLDDOWN).

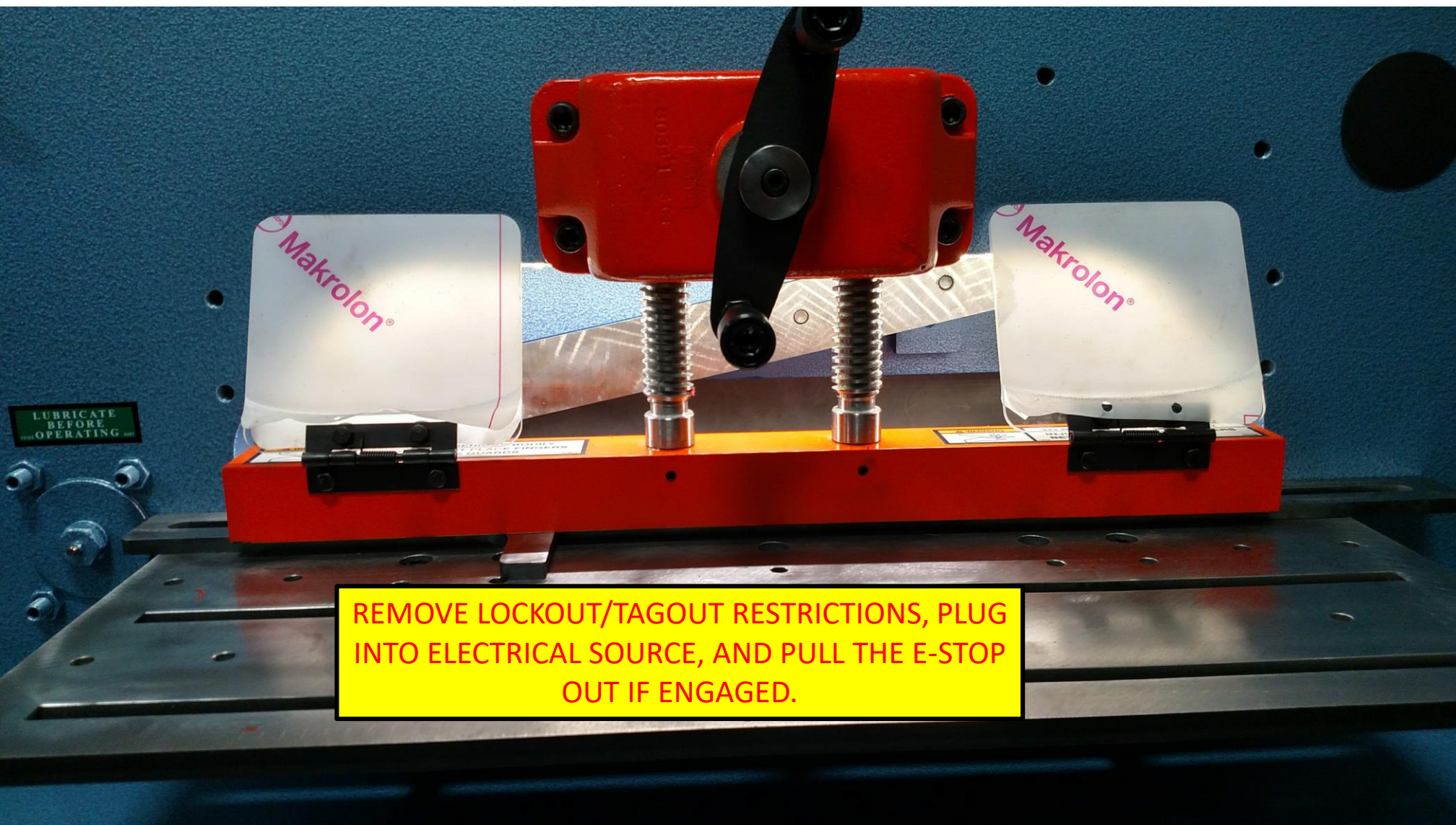


**CLOSE ELECTRICAL BOX AND
TURN DISCONNECT ON.**

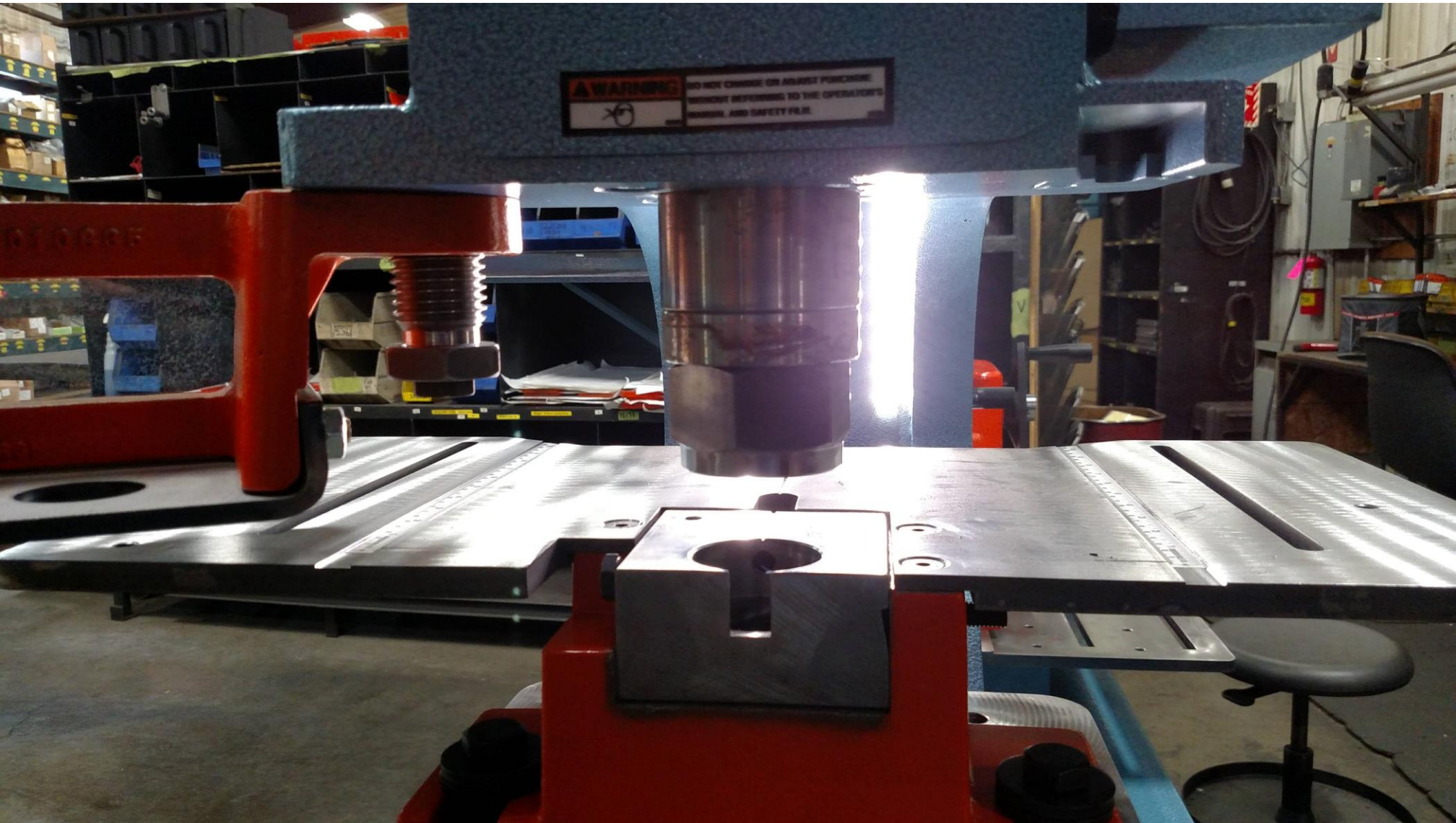
460 VOLTS



**REPLACE FRONT SHROUD AND
4X - M10 WHIZ-LOCK BOLTS.**



REMOVE LOCKOUT/TAGOUT RESTRICTIONS, PLUG INTO ELECTRICAL SOURCE, AND PULL THE E-STOP OUT IF ENGAGED.



WARNING DO NOT CHANGE OR ADJUST POSITIONING ELEMENTS DEPENDING TO THE OPERATOR'S TRAINING AND SAFETY FILE.

010005