

ASSEMBLY SCALE 22 TOUCH SCREEN 12" PRINTER  
P/N.- C13995361



# **GUIDELINE ASSEMBLY 22 TOUCH SCREEN 12" PRINTER P/N C13995361**

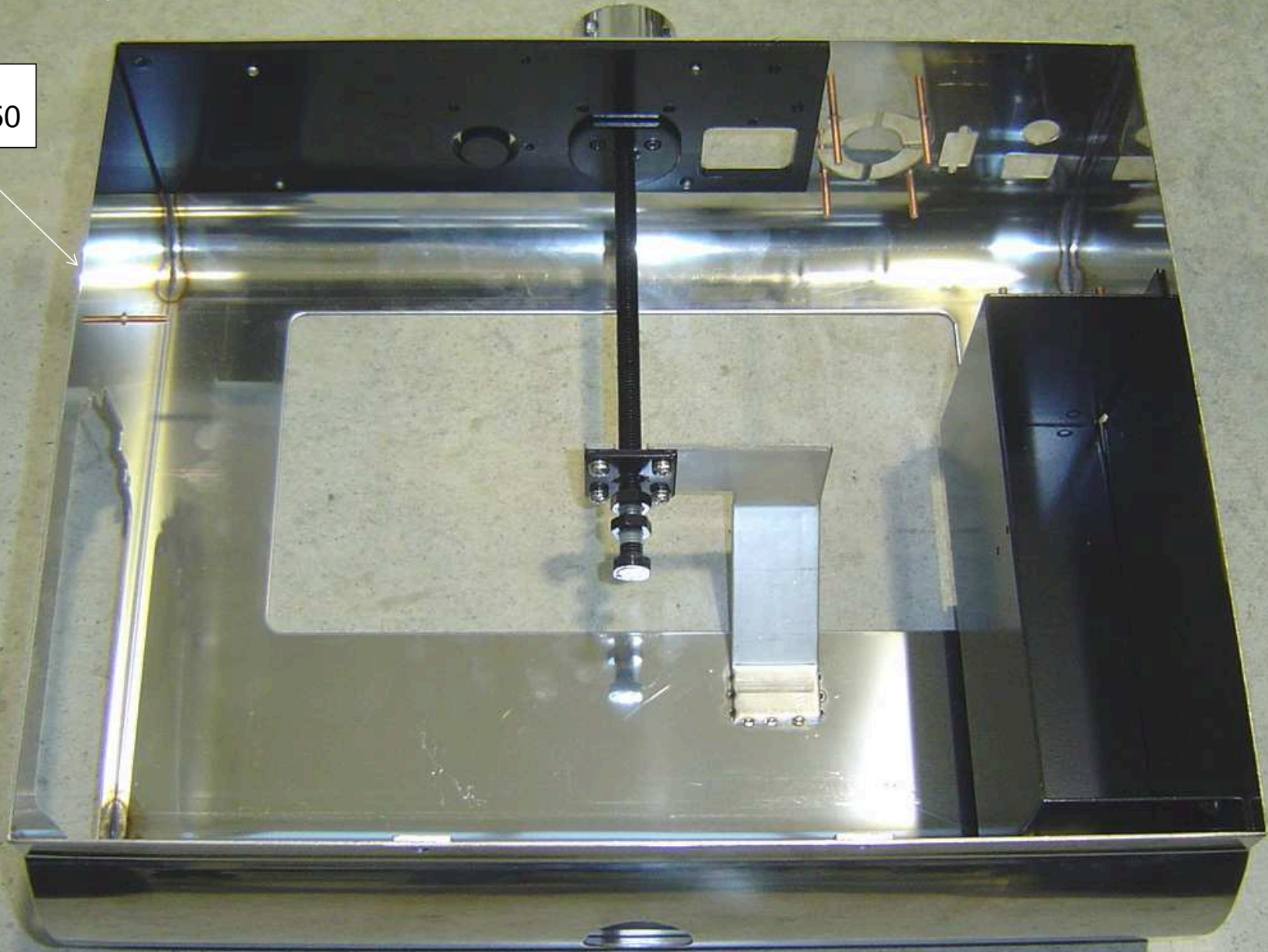
1. ASSEMBLY POWER ENTRY, COMMUNICATION CONNECTORS AND FAN.
2. ASSEMBLY POWER SUPPLY, 12V POWER SUPPLY AND SWITCH BOARD.
3. ASSEMBLY SET DIGITAL HANGING LOAD CELL
4. ASSEMBLY SET CELL AXLE LOAD
5. ASSEMBLY DIGITAL LOAD CELL AND SEAL
6. ASSEMBLY SET PRINTER.
7. ASSEMBLY FRONT COVER
  - 7.1. ASSEMBLY TOUCH SCREEN (LVDS).
  - 7.2. ASSEMBLY MAIN BOARD AND TOUCH SCREEN CONTROL BOARD
  - 7.3. ASSEMBLY HARD DISK AND EXTERNAL USB'S
8. CONNECTING CABLES BETWEEN HOUSING AND FRONT COVER. AFTER ASSEMBLY THEM.
9. ASSEMBLY CELL AXLE LOAD.
10. ASSEMBLY COVERS AND FINISH

MODIFICACIONES:

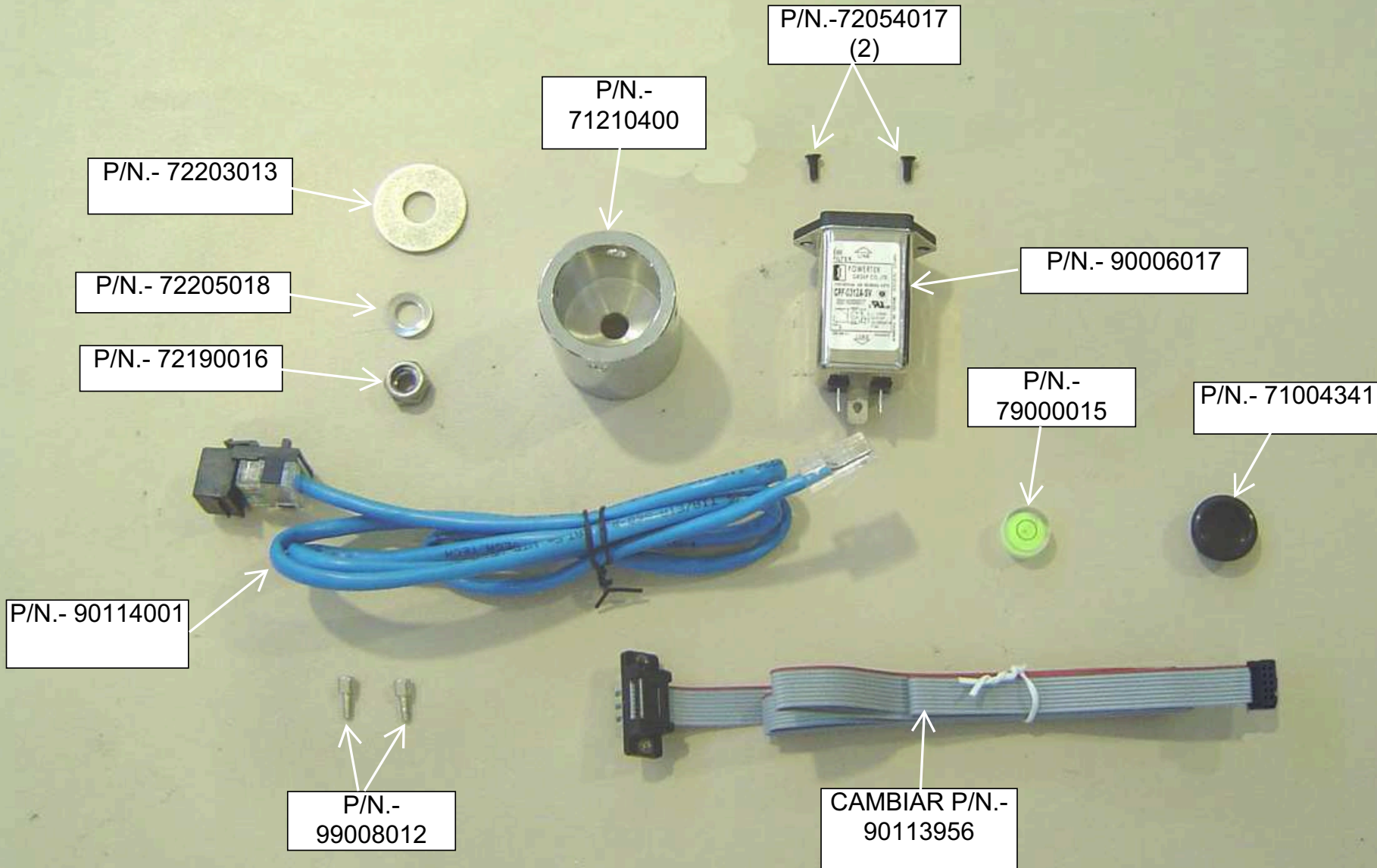
29/09/2015.- A LA TAPA REF.- 71004496 SE LE AÑADE LA JUNTA DE ESTANQUEIDAD (VALIDED 3)

1.- ASSEMBLY POWER ENTRY, COMUNICATION CONNECTORS  
AND FAN (COMPONENTS )

P/N.-  
71510250

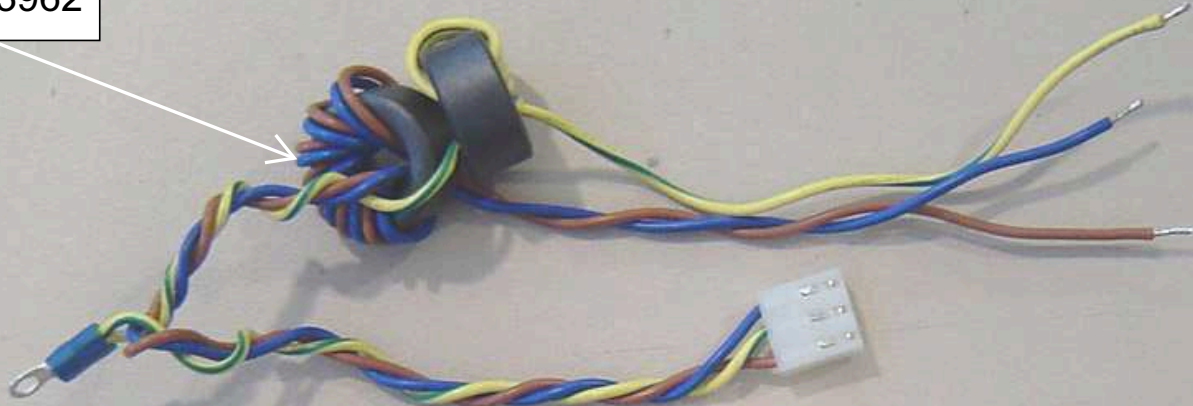


# 1.- ASSEMBLY POWER ENTRY, COMMUNICATION CONNECTORS AND FAN (COMPONENTS )

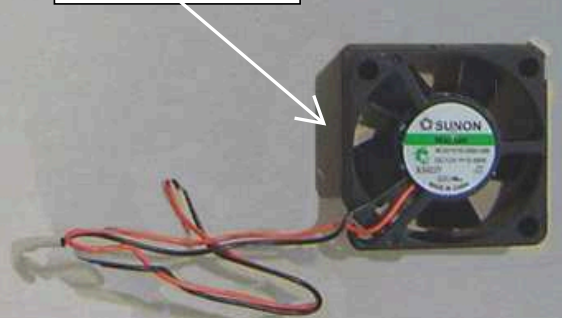


# 1.- ASSEMBLY POWER ENTRY, COMMUNICATION CONNECTORS AND FAN (COMPONENTS )

P/N.-  
90113962



P/N.-  
99008080



P/N.- 79900063  
(3)



P/N.-  
90113993



P/N.-  
99006102



P/N.-  
72190004 (2)



# 1.- ASSEMBLY POWER ENTRY, COMMUNICATION CONNECTORS AND FAN ( COMPONENTS )

P/N.- 70000456

P/N.-  
70000546

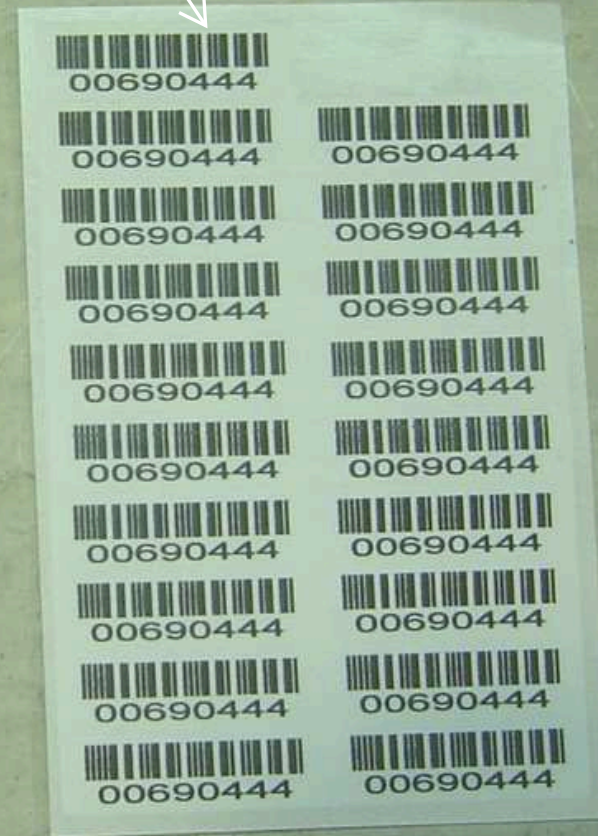
P/N.- 70010205



FUSE 3A



P/N.- 70010155 (2)

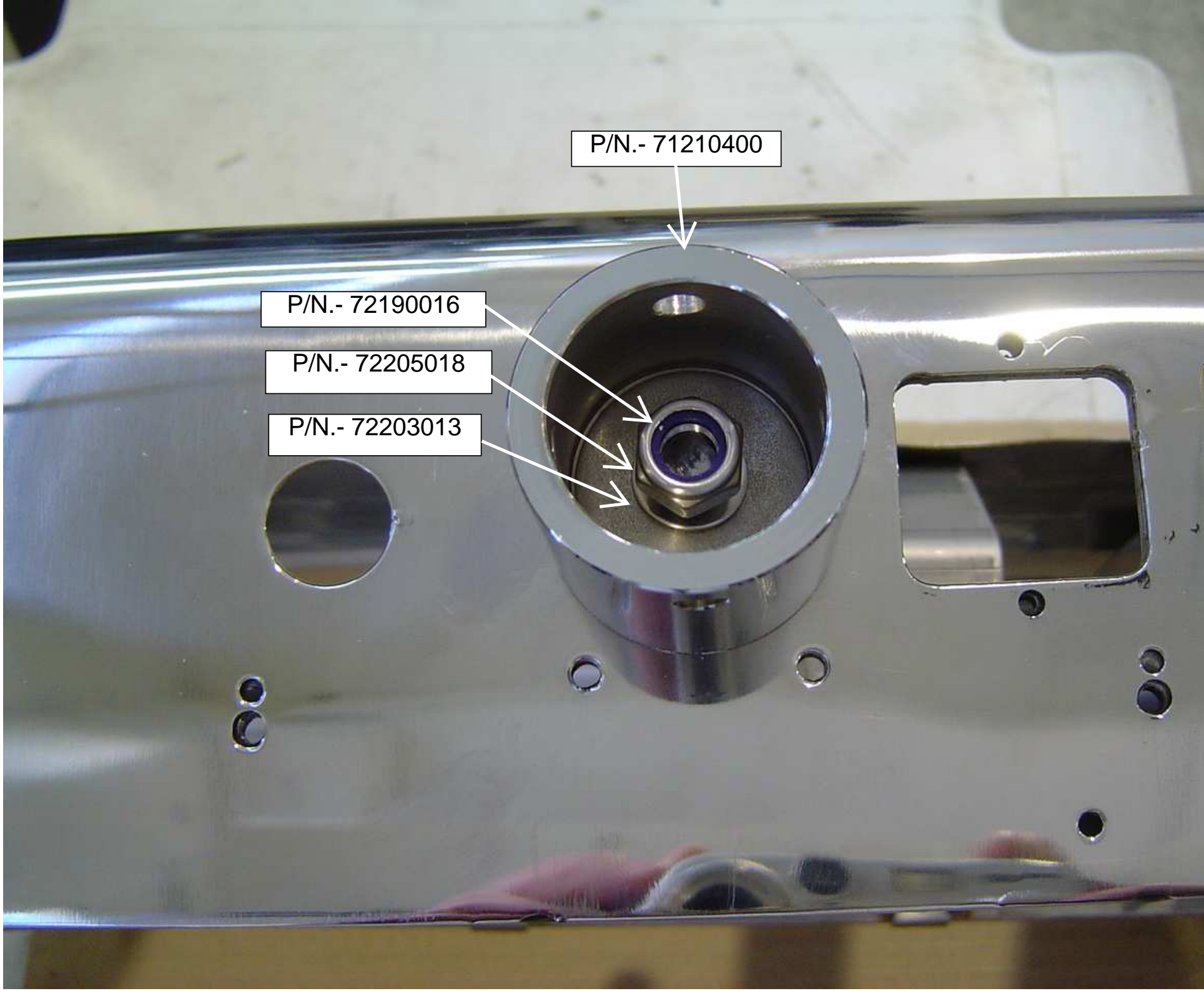


P/N.- 71210400

P/N.- 72190016

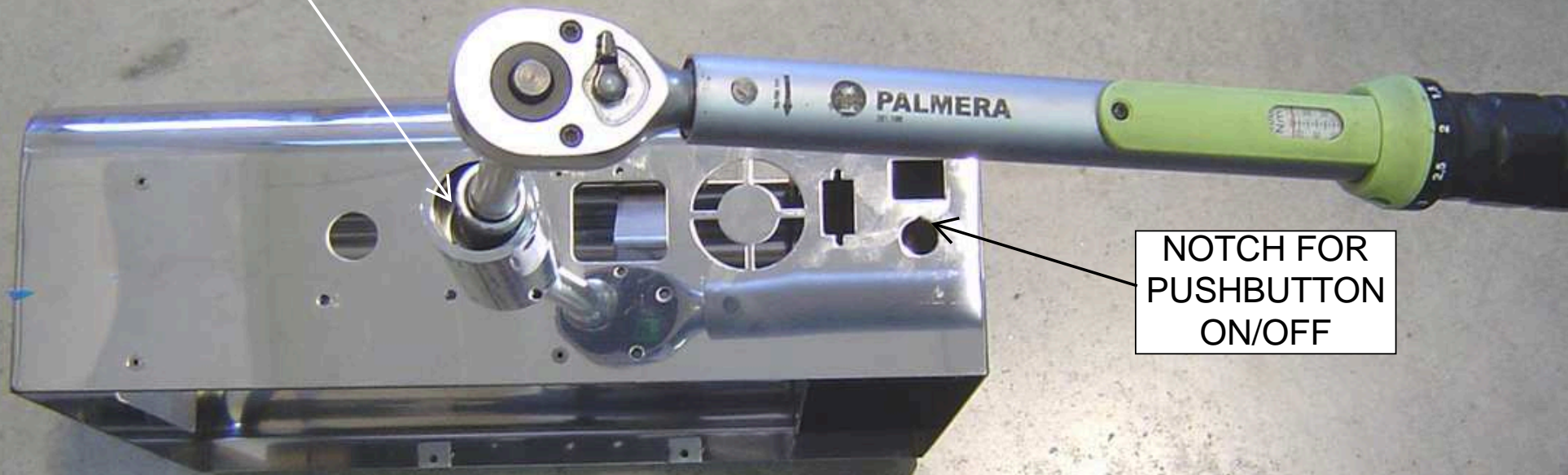
P/N.- 72205018

P/N.- 72203013



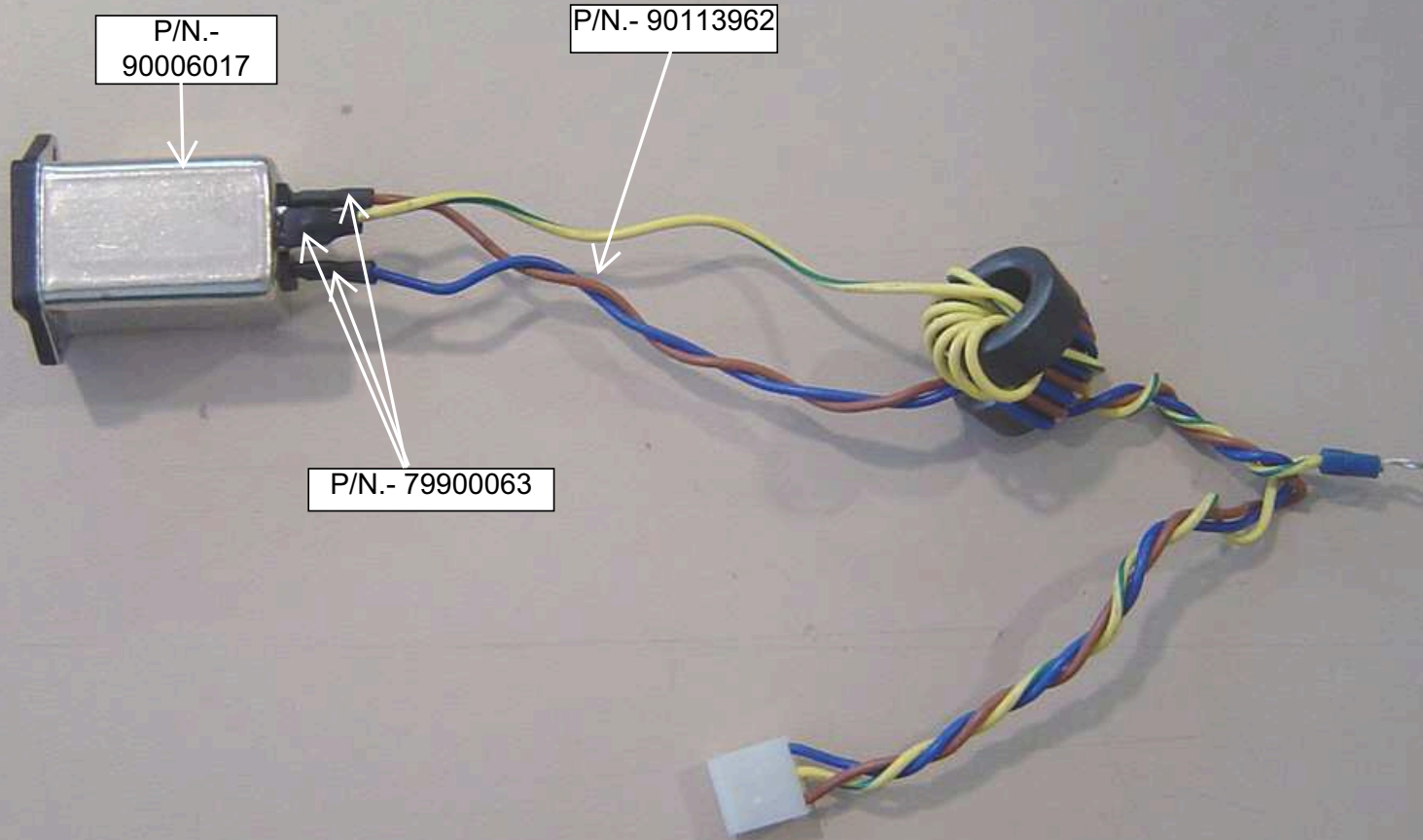


NUT P/N.- 72190016 TIGHTEN  
WITH A REGULATED TOOL  
TO A TIGHTENING TORQUE  
16 Nm

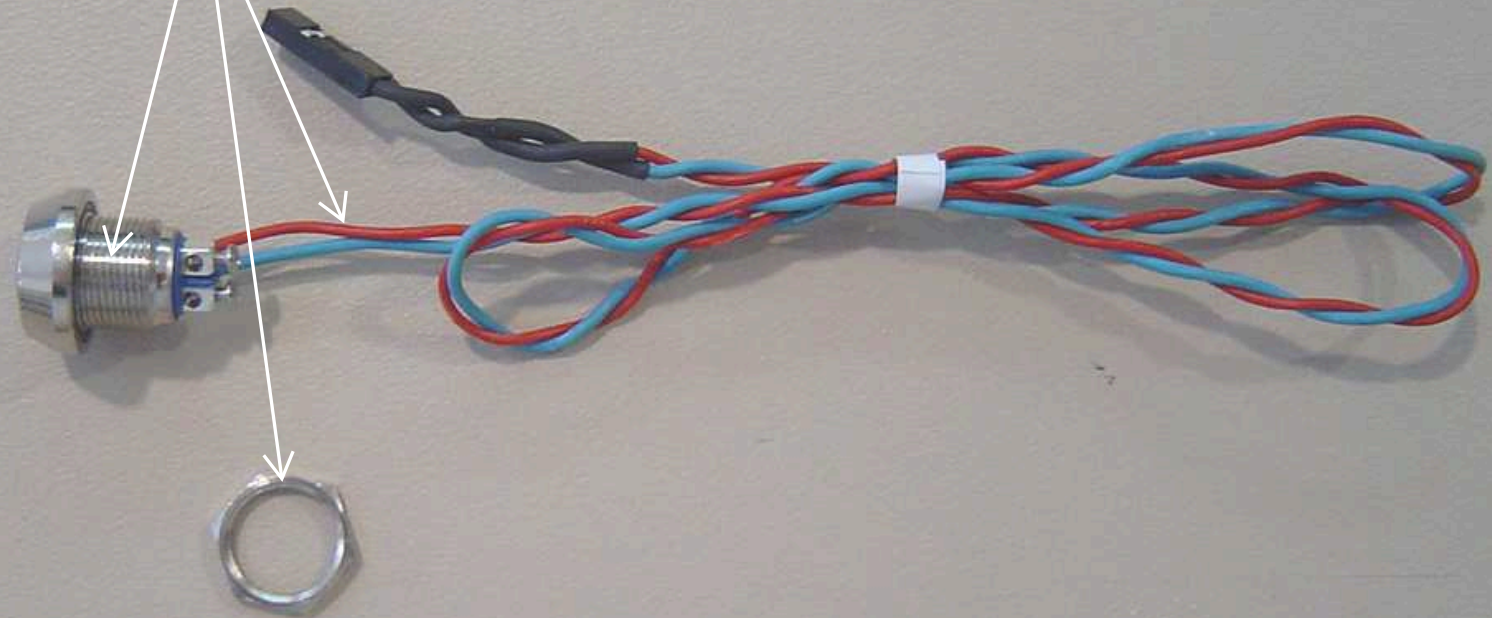


NOTCH FOR  
PUSHBUTTON  
ON/OFF

SOLDER CABLE P/N.- 90113962, PUTTING  
SHRINK-WRAPPING P/N.- 79900063, AT  
POWER ENTRY P/N.- 90006017

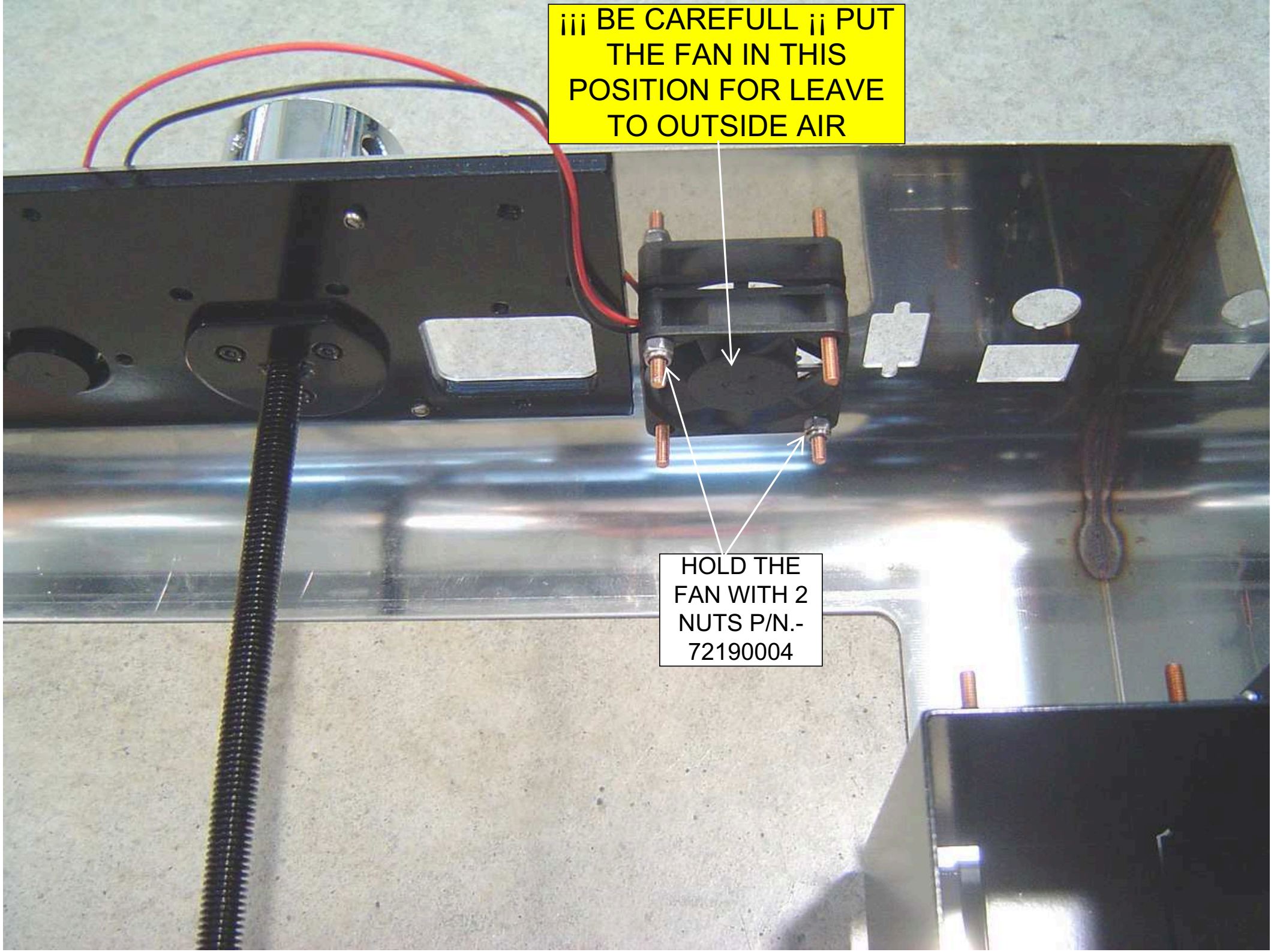


REMOVE THE NUT  
RETAINING AND  
CONNECTING CABLE  
P/N.- 90113993 IN THE  
PUSH P/N.- 99006102



iii BE CAREFULL ii PUT THE FAN IN THIS POSITION FOR LEAVE TO OUTSIDE AIR

HOLD THE FAN WITH 2 NUTS P/N.- 72190004



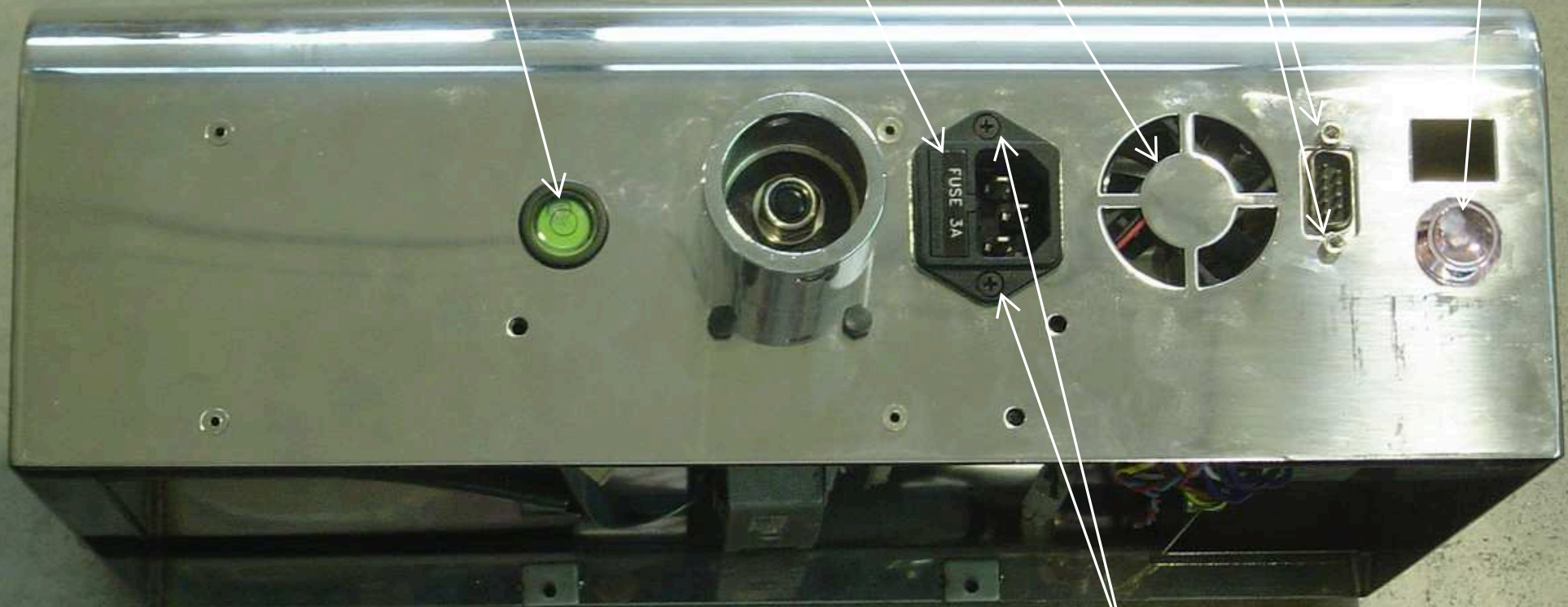
ASSEMBLY LEVEL P/N.-  
79000015 WITH THE  
SUPPORT P/N.- 71004341

PASTE THE STICK  
P/N.- 70010205

FAN P/N.-  
99008080

ASSEMBLY RS232  
CABLE P/N.- 90113956  
FIXING WITH RISERS P/  
N.- 99008012 (SEE  
NEXT PICTURE )

PASS THE CABLE  
THROUGH THE HOLE  
AND ASSEMBLY THE  
PUSH P/N.- 99006102.

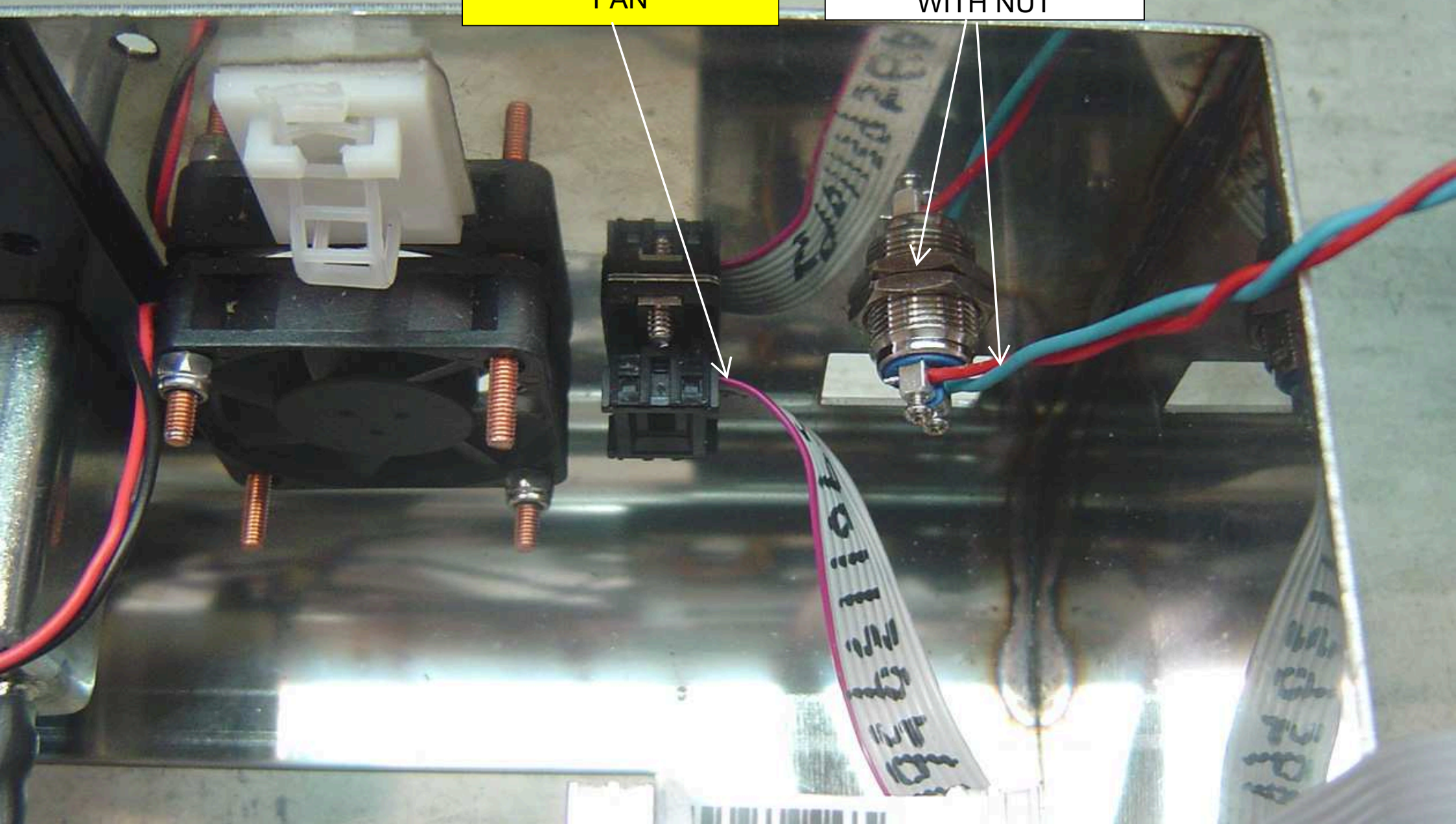


PASS THE CABLE  
THROUGH THE HOLE  
AND JOIN THE POWER ENTRY  
CONNECTOR P/N.-  
90006017 ATTACHING WITH  
SCREWS P/N.-72054017

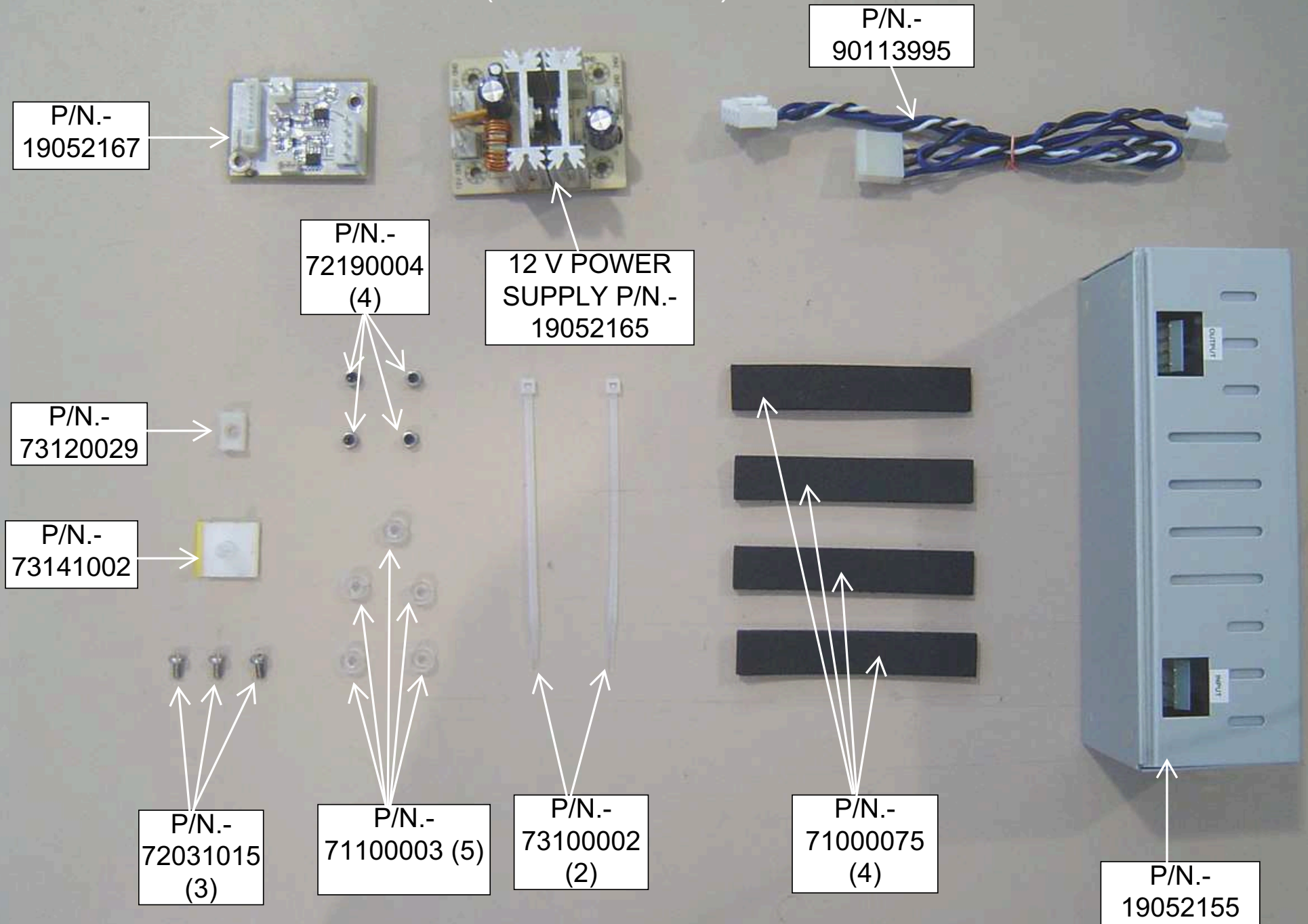
INTERIOR VIEW

THE CABLE MUST GO TO THIS SIDE, FOR AVOID GO TOWARDS FAN

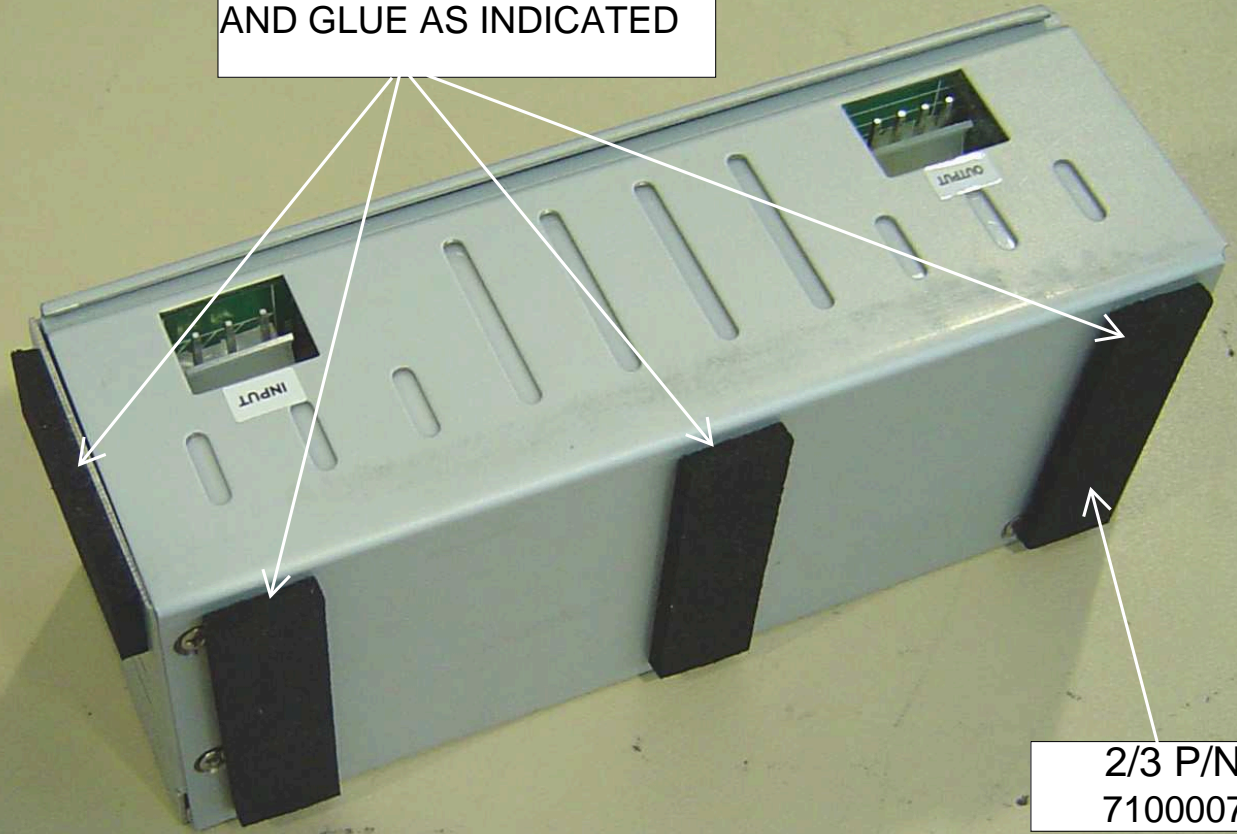
PASS THE CABLE THROUGH THE HOLE AND HOLD THE PUSH WITH NUT



## 2.- ASSEMBLY POWER SUPPLY, 12V POWER SUPPLY AND SWITCH BOARD (COMPONENTS ).



FOUR CUT NEOPRENE STRIPS P/N.- 71000075 AS THE 2 / 3 OF ITS LENGTH AND GLUE AS INDICATED



2/3 P/N.-  
71000075



PUT THE POWER SUPPLY IN YOUR LOCATION

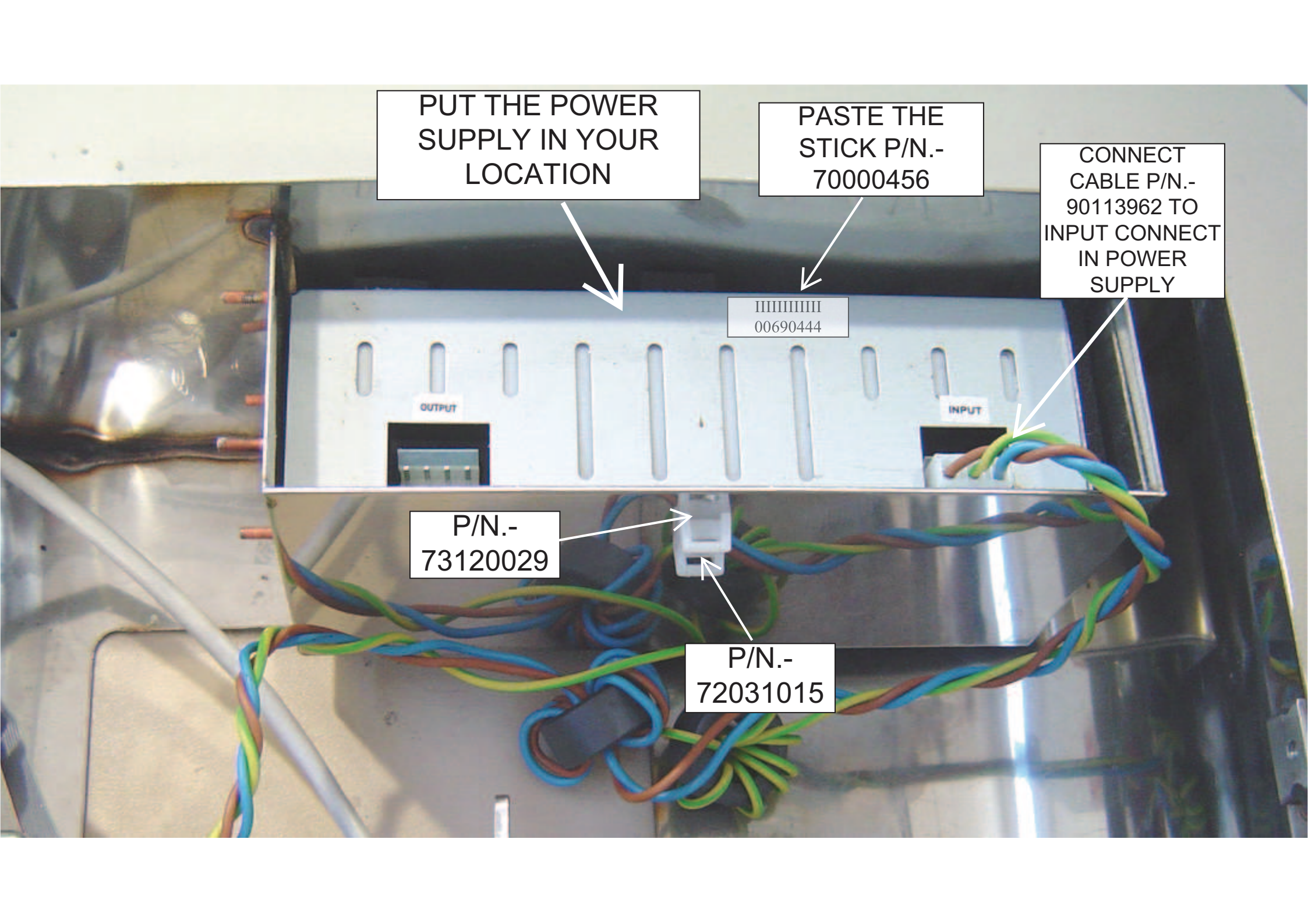
PASTE THE STICK P/N.- 70000456

CONNECT CABLE P/N.- 90113962 TO INPUT CONNECT IN POWER SUPPLY

IIIIIIIIII  
00690444

P/N.-  
73120029

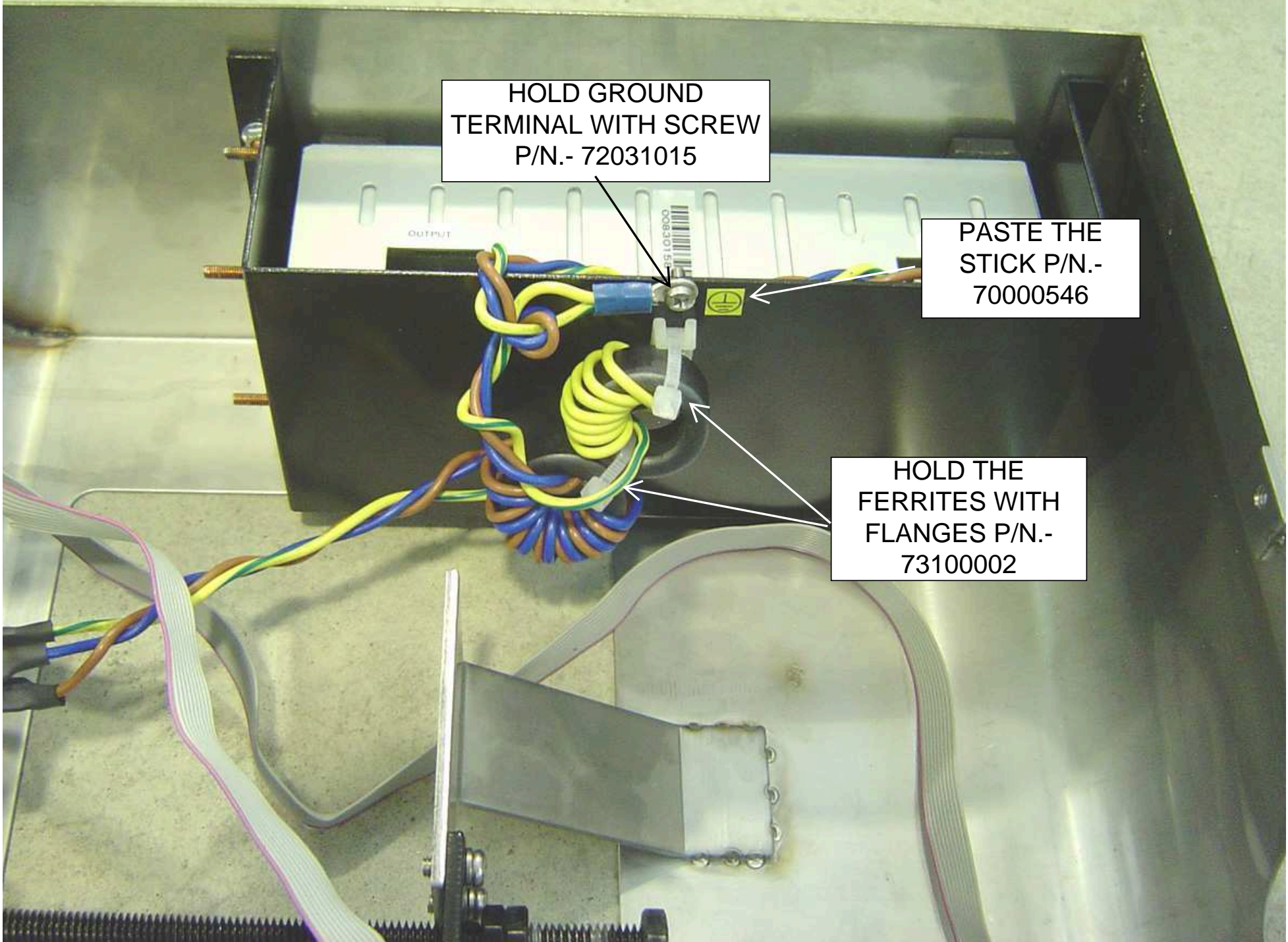
P/N.-  
72031015



HOLD GROUND  
TERMINAL WITH SCREW  
P/N.- 72031015

PASTE THE  
STICK P/N.-  
70000546

HOLD THE  
FERRITES WITH  
FLANGES P/N.-  
73100002



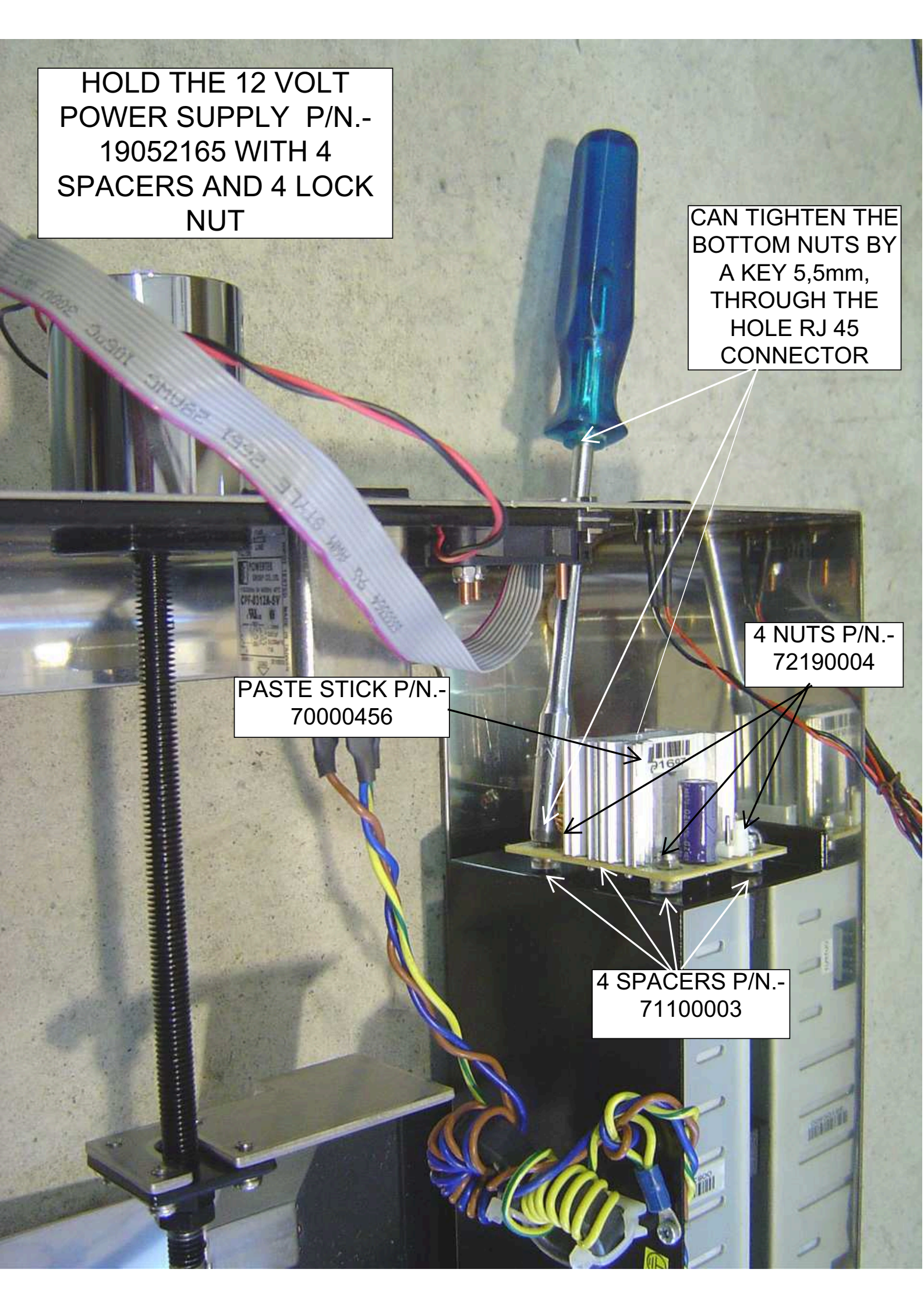
HOLD THE 12 VOLT  
POWER SUPPLY P/N.-  
19052165 WITH 4  
SPACERS AND 4 LOCK  
NUT

CAN TIGHTEN THE  
BOTTOM NUTS BY  
A KEY 5,5mm,  
THROUGH THE  
HOLE RJ 45  
CONNECTOR

PASTE STICK P/N.-  
70000456

4 NUTS P/N.-  
72190004

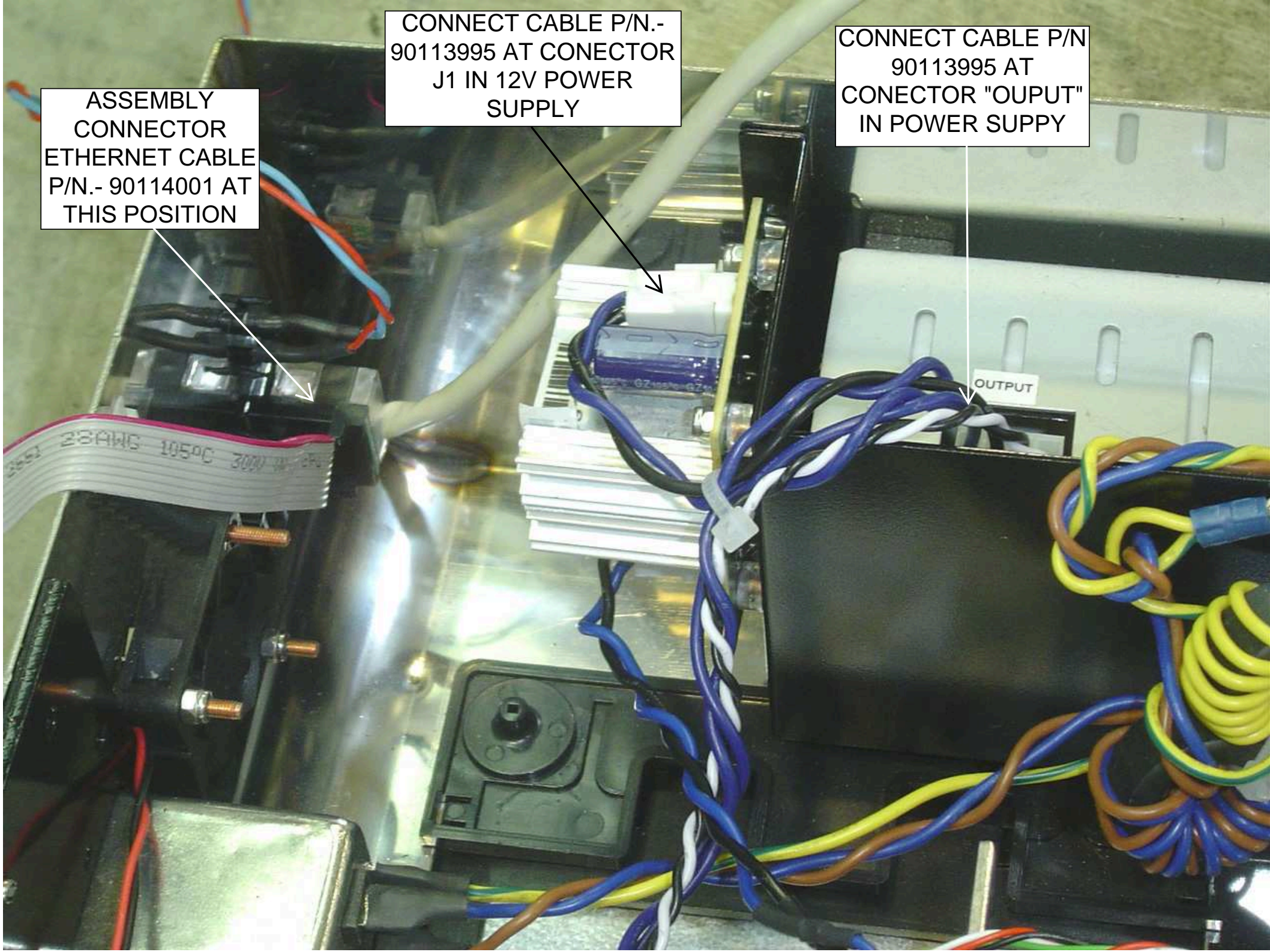
4 SPACERS P/N.-  
71100003



ASSEMBLY  
CONNECTOR  
ETHERNET CABLE  
P/N.- 90114001 AT  
THIS POSITION

CONNECT CABLE P/N.-  
90113995 AT CONECTOR  
J1 IN 12V POWER  
SUPPLY

CONNECT CABLE P/N  
90113995 AT  
CONECTOR "OUPUT"  
IN POWER SUPPLY



LEVEL

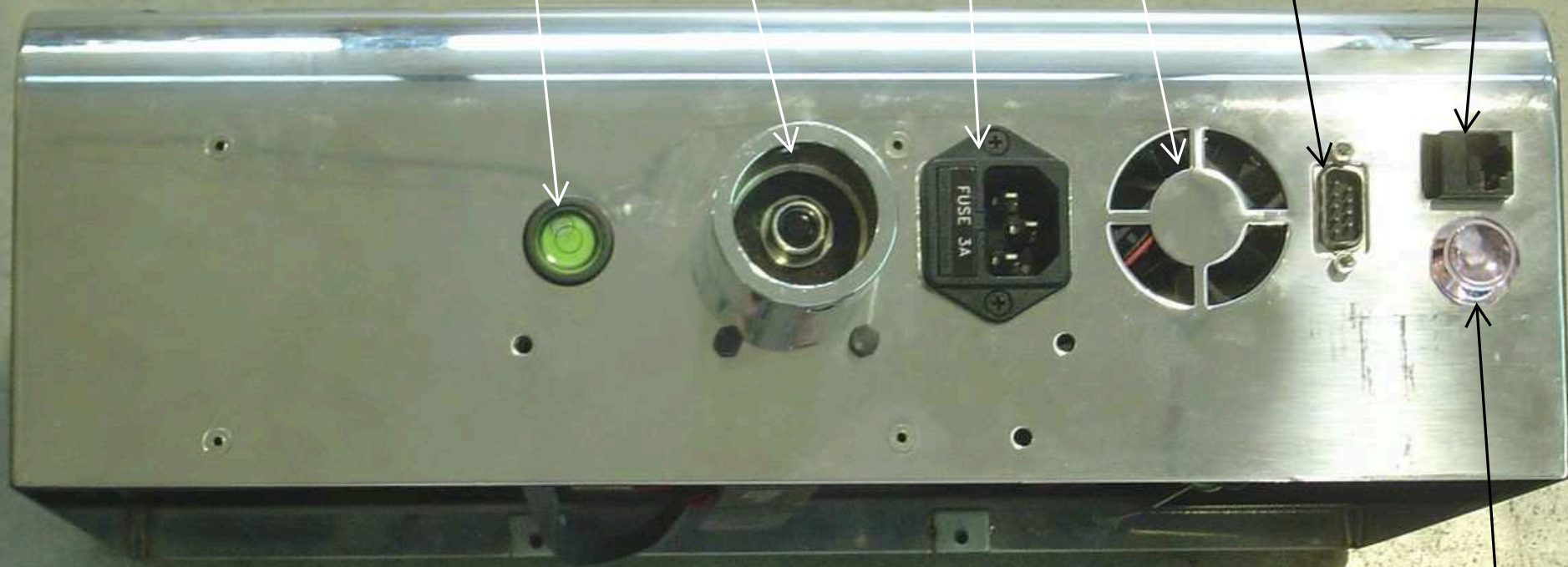
SUPPORT

POWER  
ENTRY

FAN

RS  
232

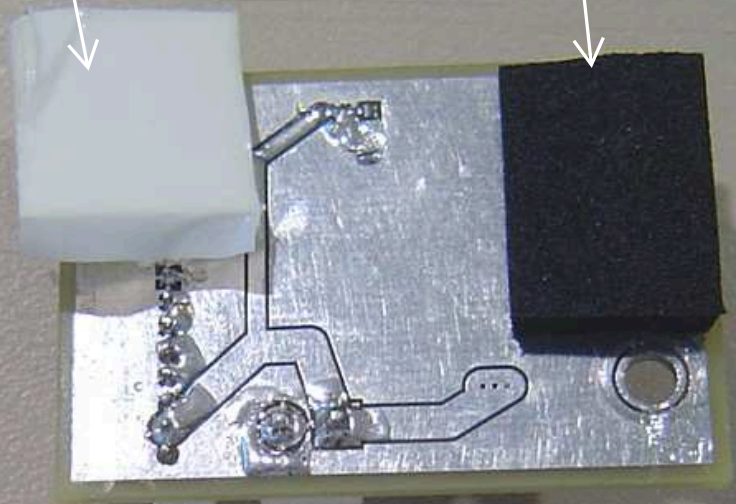
RJ45  
(ETHERNET)



PUSH ON /  
OFF

PUT THE PIECE  
P/N.- 73141002

PASTE A PART OF  
PIECE P/N.-  
71000075



HOLD THE SWITCH BOARD  
BENDING THE PIECE P/N.-  
73141002, SPACER P/N.-  
71100003 AND SCREW P/N.-  
72031015

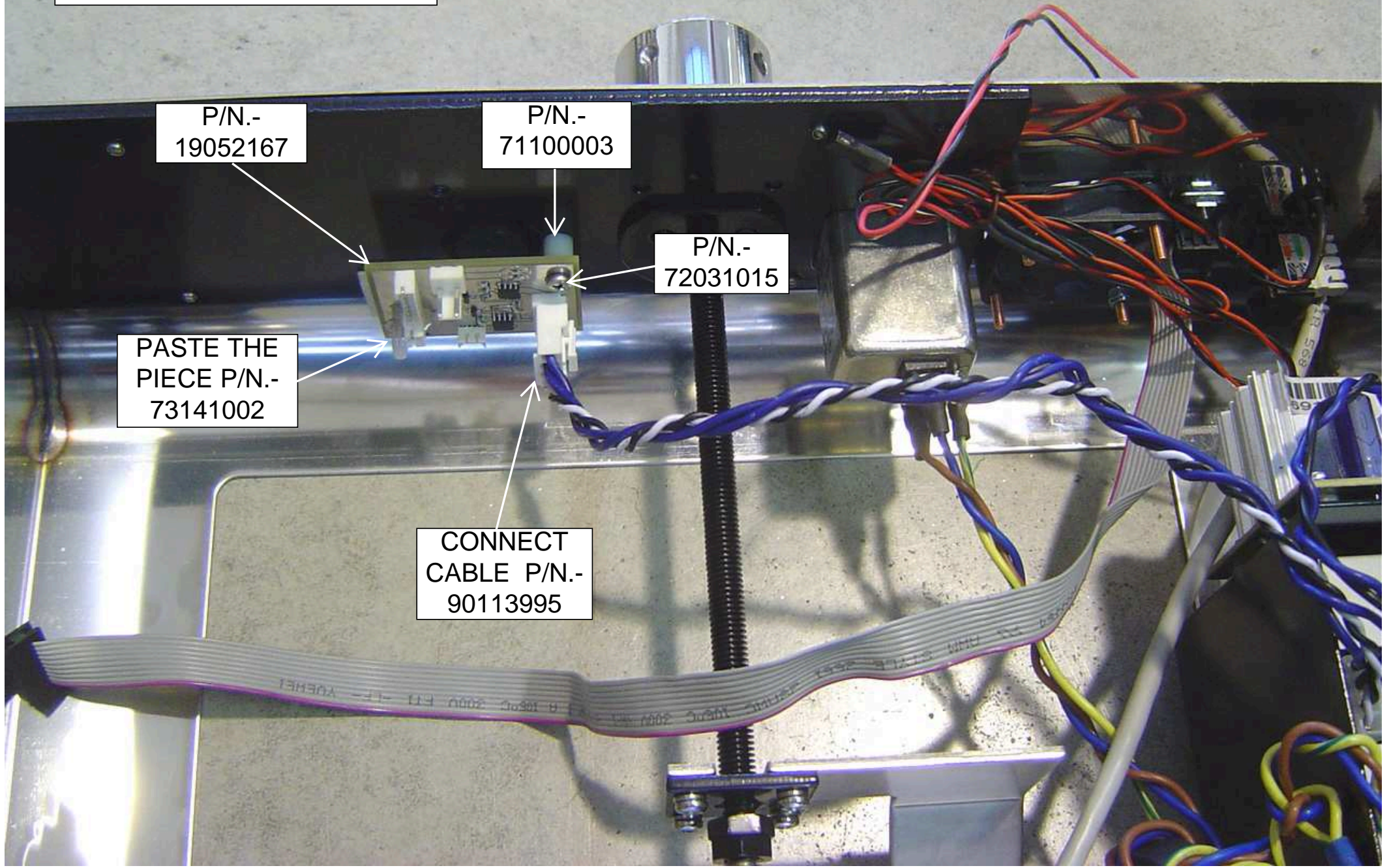
P/N.-  
19052167

P/N.-  
71100003

P/N.-  
72031015

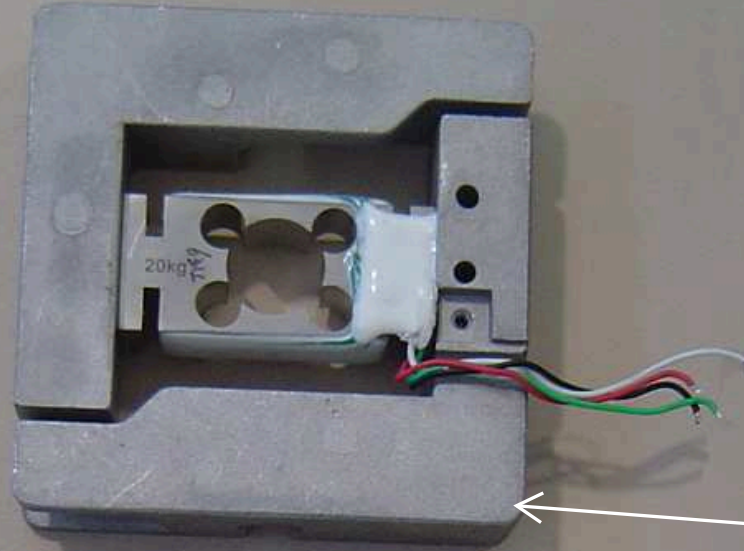
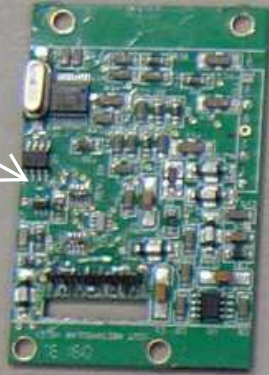
PASTE THE  
PIECE P/N.-  
73141002

CONNECT  
CABLE P/N.-  
90113995



### 3. ASSEMBLY SET DIGITAL HANGING LOAD CELL P/N.- 97003240 (COMPONENTS )

P/N.-  
19016800



GRUPO EPELSA S.L.  
03000 BARCELONA (SPAIN)  
Model: BP Emrax 20kg  
Serial No: 510228932011  
Cert No: T02179  
Volumen: 10000 min dead load: 0

P/N.-  
513324 /  
97003134

P/N.-  
19016900



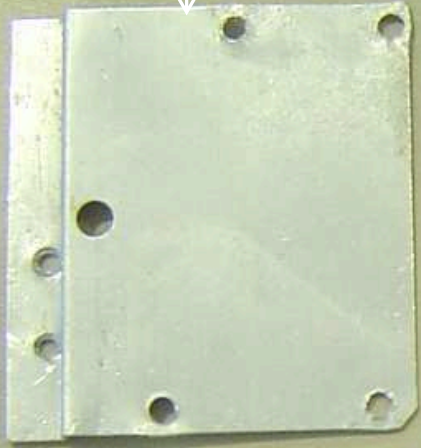
P/N.-  
571004335





### 3. ASSEMBLY SET DIGITAL HANGING LOAD CELL P/N.- 97003240 (COMPONENTS )

P/N.-  
1050100105



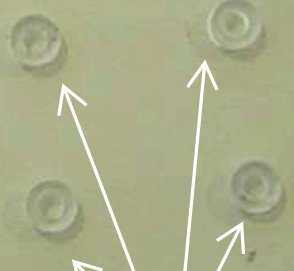
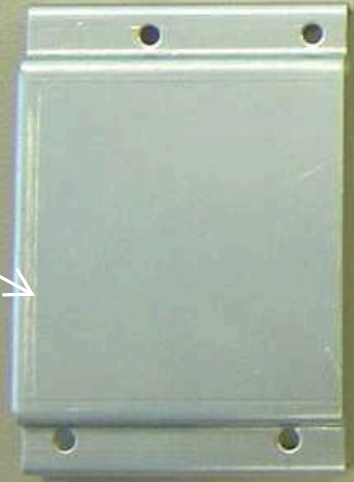
P/N.-  
241302530  
(2)



RIVET P/N.-  
72300013 (3x 16)  
(4)

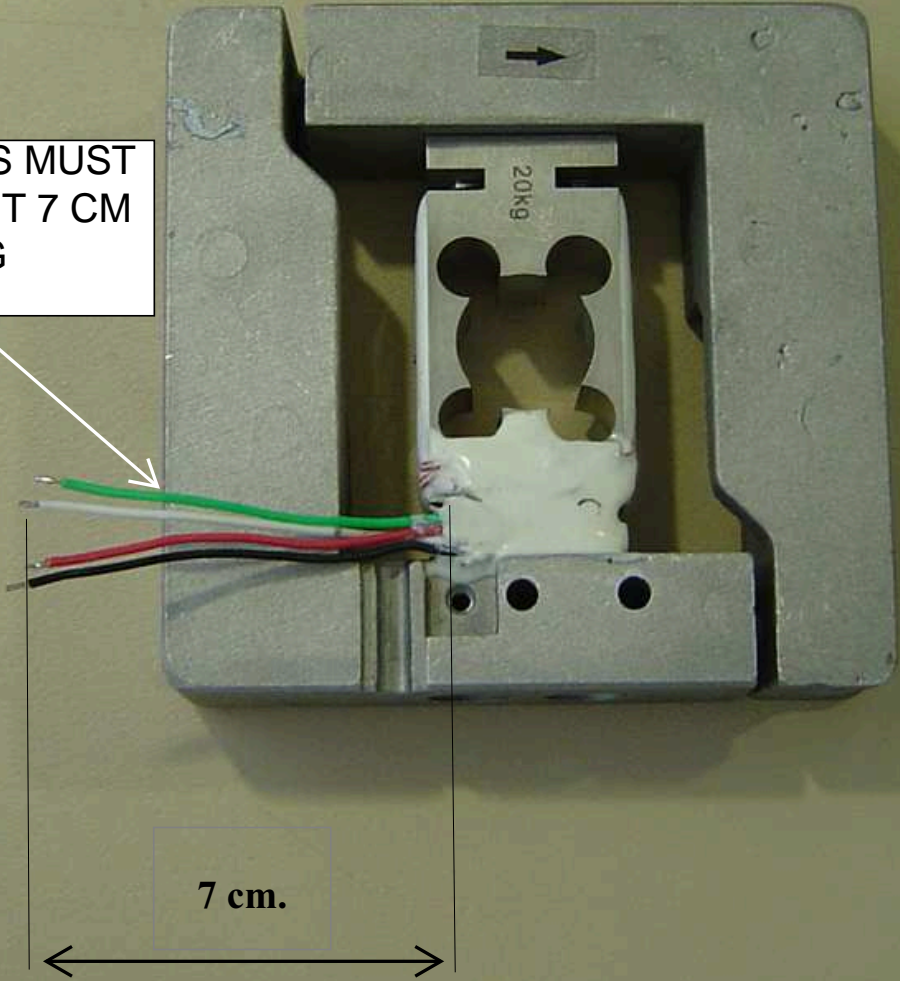


P/N.-  
71002295



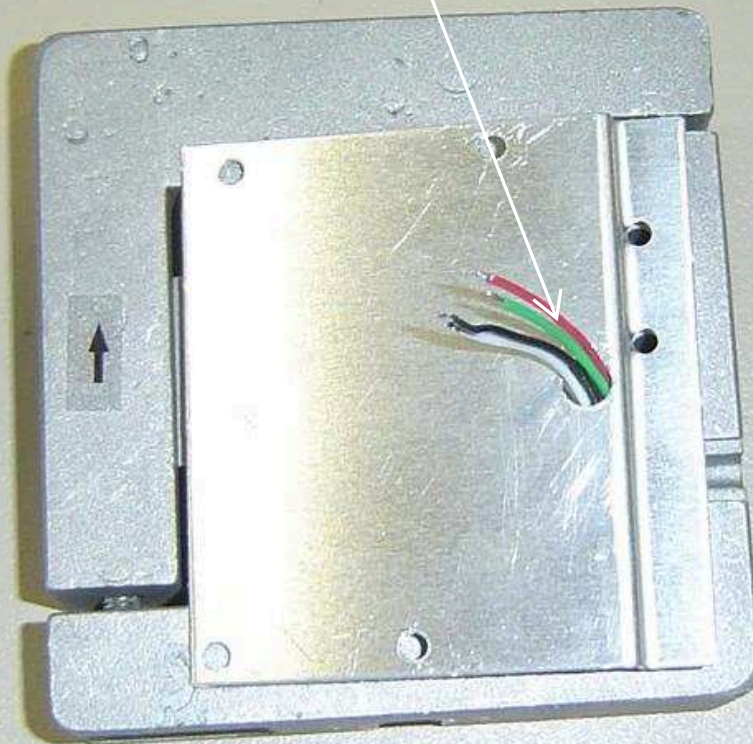
P/N.- 71100003  
(4)

THE CABLES MUST  
HAVE ABOUT 7 CM  
LONG



7 cm.

PAST THE CABLES  
THROUGH THE  
HOLE





PUT SPACERS P/N.- 71100003 , INSERT PINES OF BOARD 19016800 IN BOARD 19016900. HOLD WITH SCREWS GUIDER AND SOLDER THE PINES

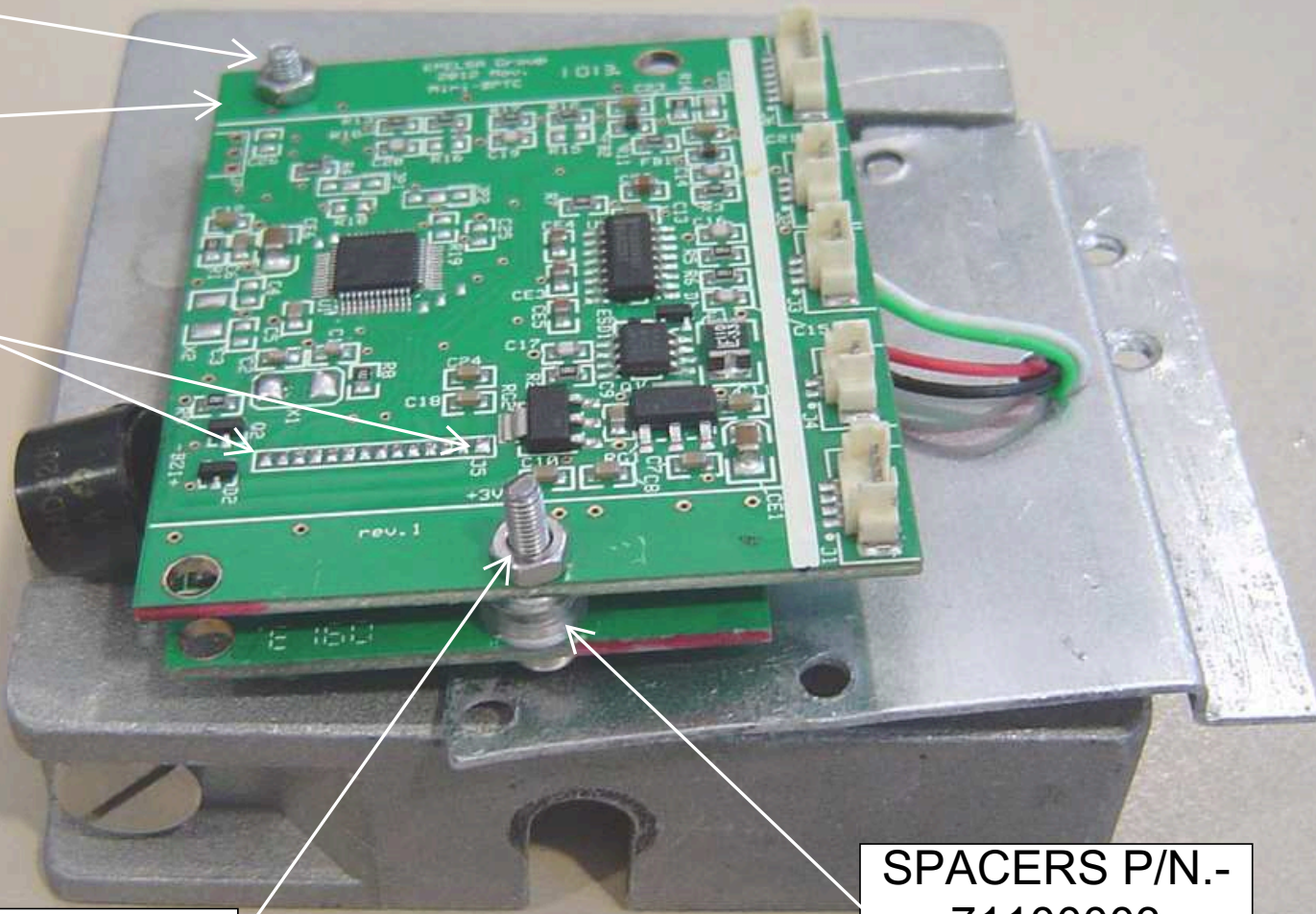
SCREW GUIDE

SPACERS P/N.-  
71100003

SOLDER ALL  
THIS PINES

SCREW GUIDE

SPACERS P/N.-  
71100003



PUT THE SUPPORT, INSULATION, BOARD WITH STRIPPERS, COVER AND HOLD ALL SET WITH RIVETS

FOUR HOLES OF UNION

RIVET P/N.- 72300013

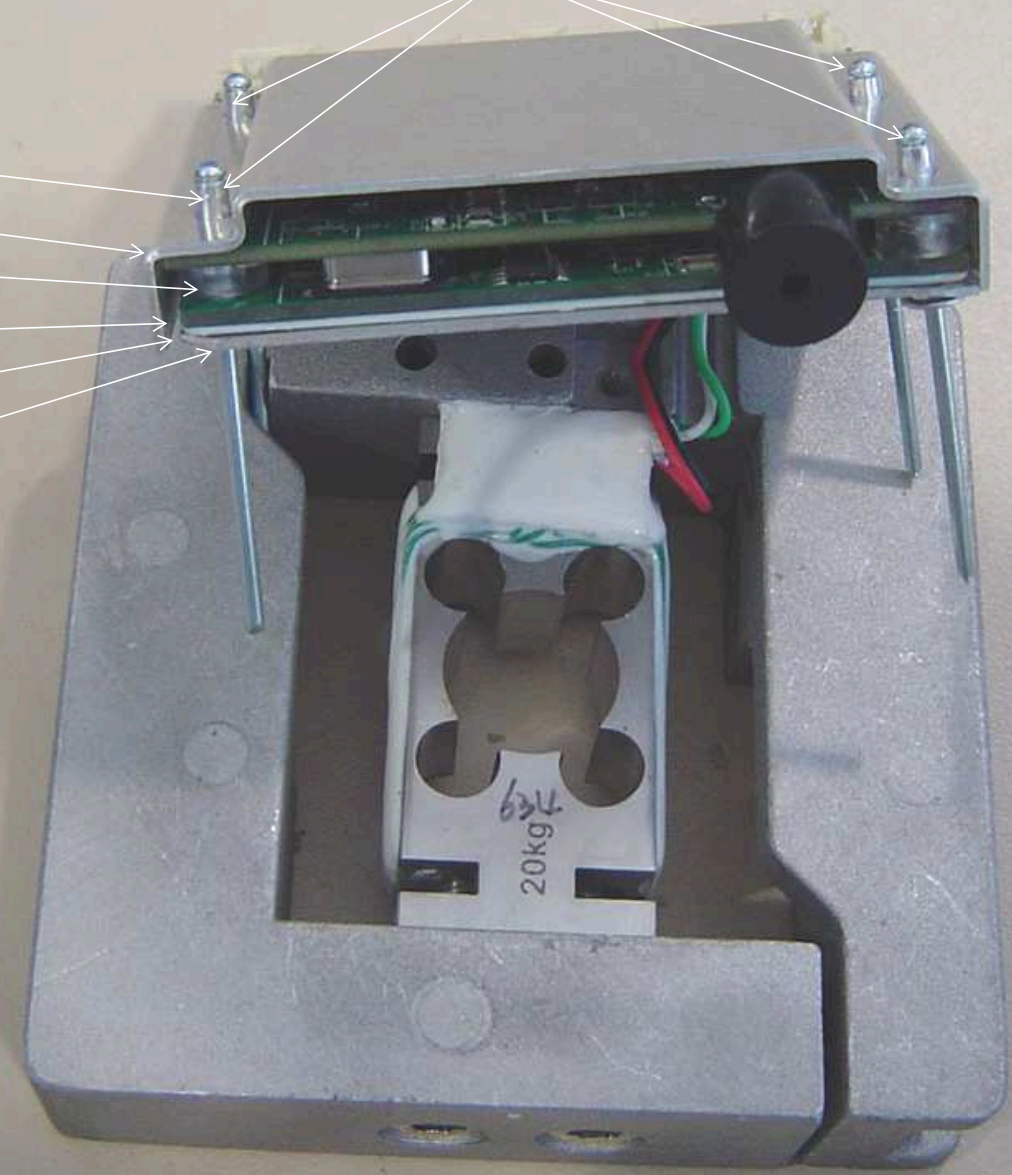
P/N.- 71002295

P/N.- 71100003

P/N.- 19016800

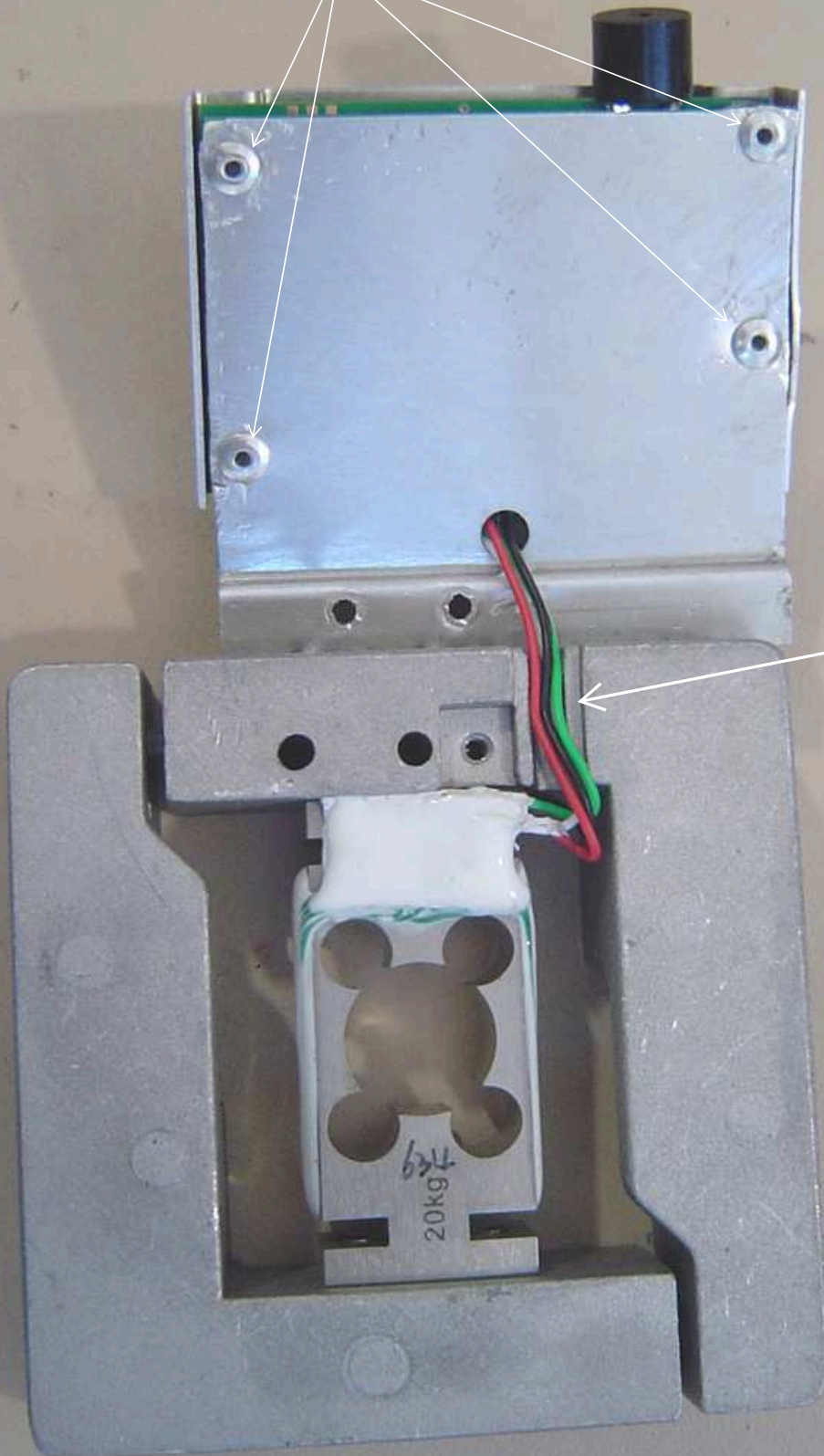
P/N.- 571004335

P/N.- 1050100105

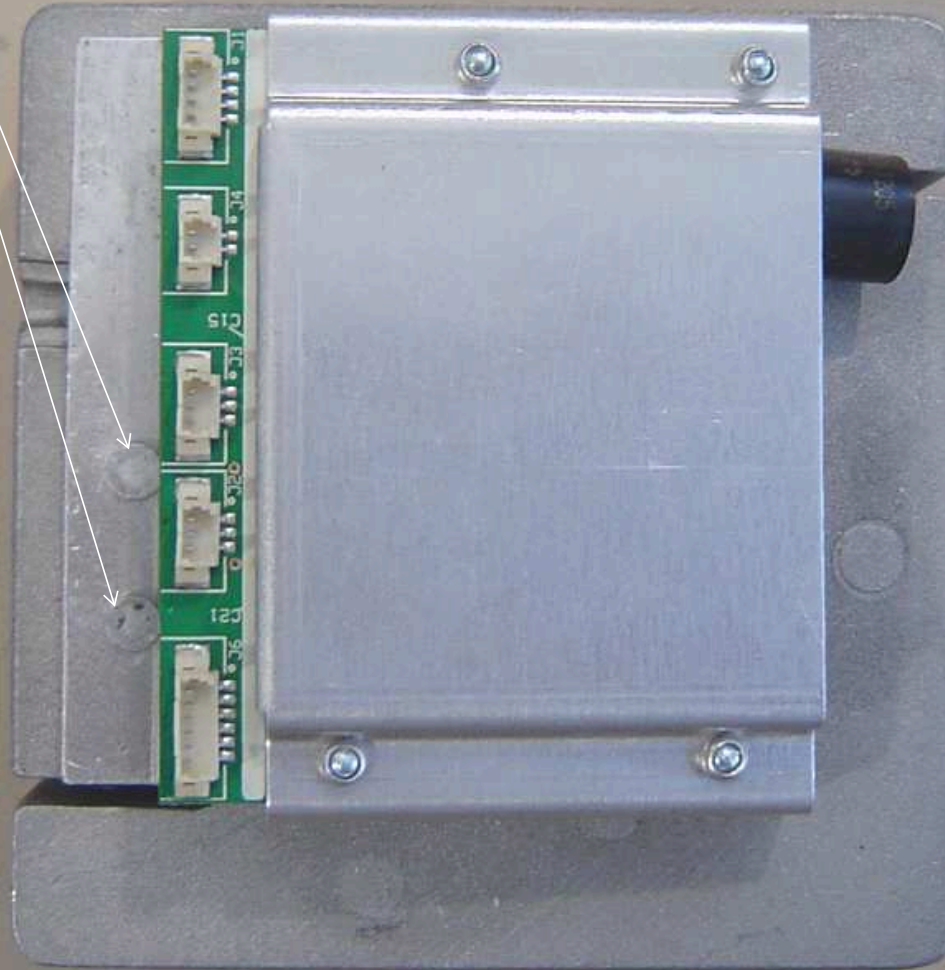


VIEW OF FOUR  
RIVETS

TO PUT THE  
CABLES IN  
THIS WAY

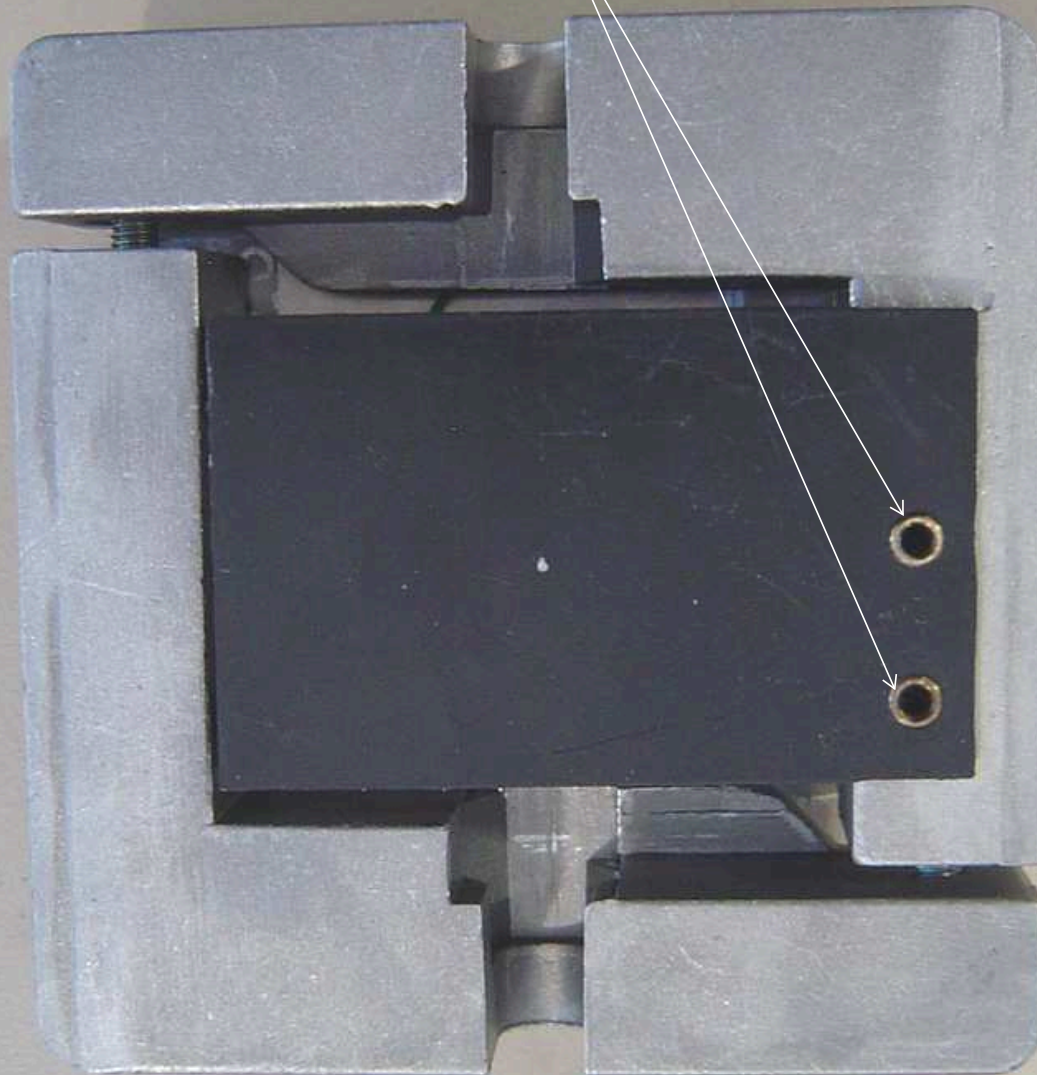


JOIN THE SUPPORT TO THE LOAD  
CELL WITH 2 RIVETS P/N.-  
241302530. THIS RIVETS MUST  
ALSO HOLD THE PLASTIC COVER  
(SEE NEXT PICTURE)






VIEW AS RIVETS P/N.- 241302530  
FASTENING PLASTIC COVER





  
GRUPO EPELSA, S.L  
08830 BARCELONA (SPAIN)  
Model: BP Emax 20kg  
Serial No. 50015035/2011  
Cert No. TC2799  
Vmin=Max/10000 min dead load=0

C3↓

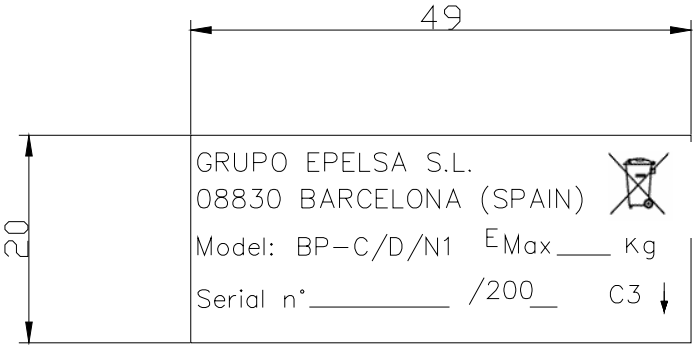


**8° STEP:**

To check that the digital load cell weighs well.  
  
To put the Characteristics plate



**DRAWING FROM:  
CHARACTERISTICS PLATE**



4. ASSEMBLY SET  
CELL AXLE LOAD  
P/N 575100020  
(COMPONENTS )

571210139

573002007

571001314

578000007

571001315

511012403



P/N.- 75100020



# 5. ASSEMBLY DIGITAL LOAD CELL AND SEAL (COMPONENTES)

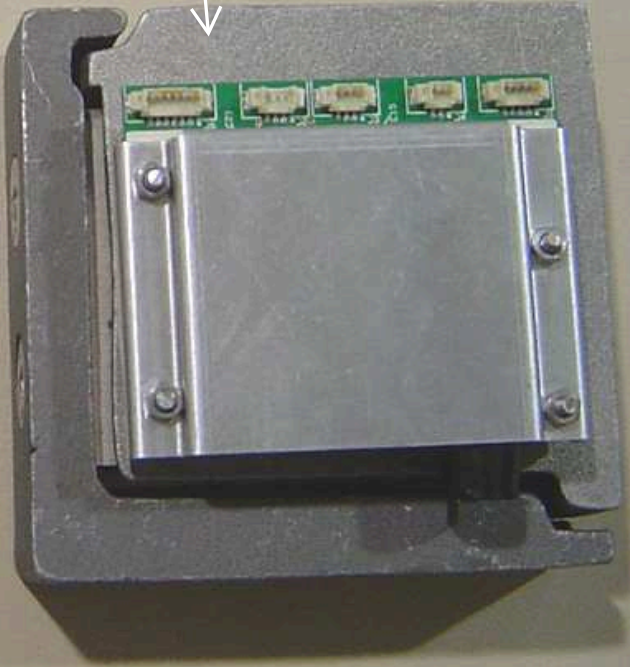
P/N.-  
73100002

P/N.-  
71210483

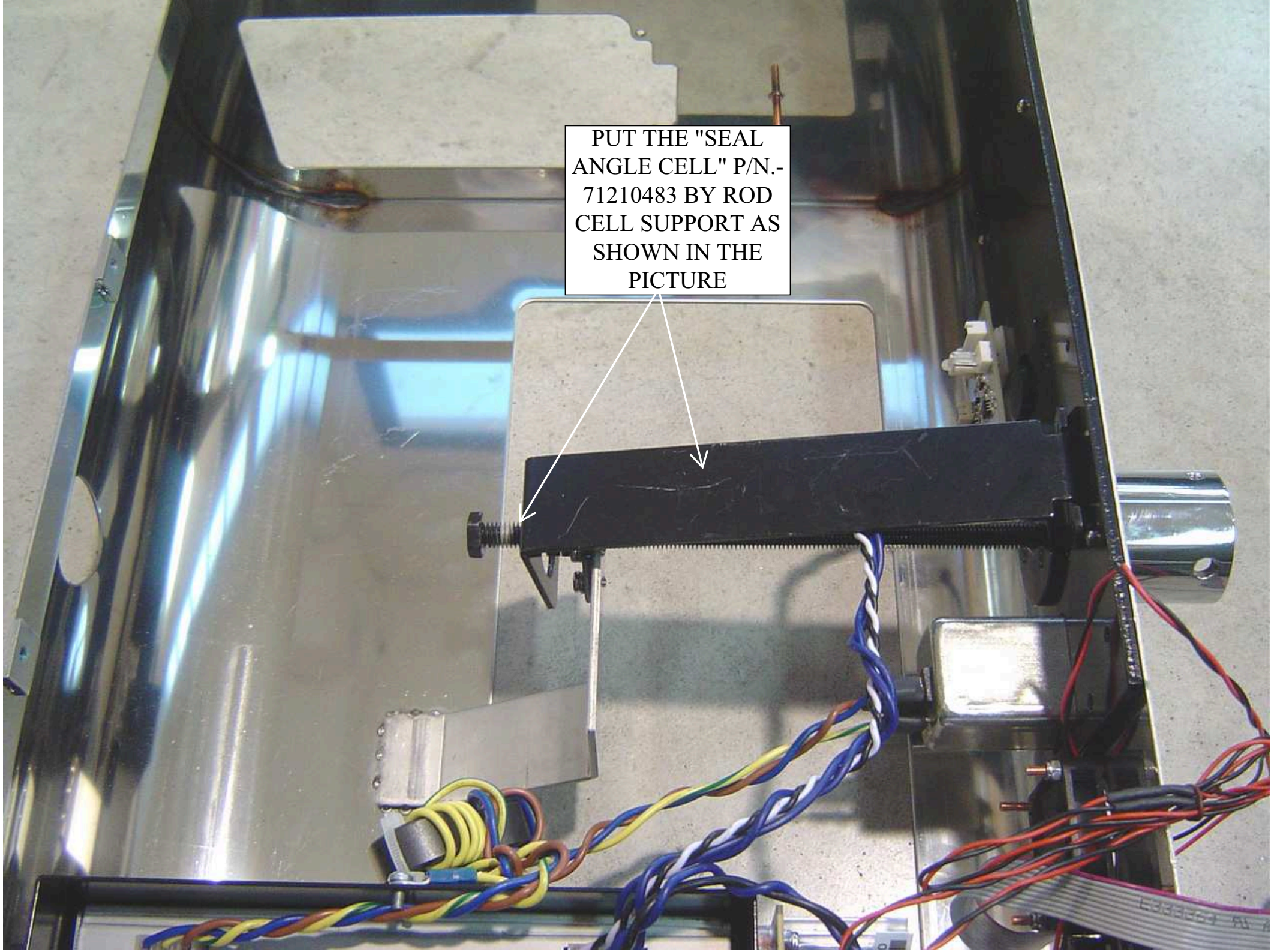
P/N.-  
75100020

P/N.- 72091030  
(2)

P/N.-  
97003240



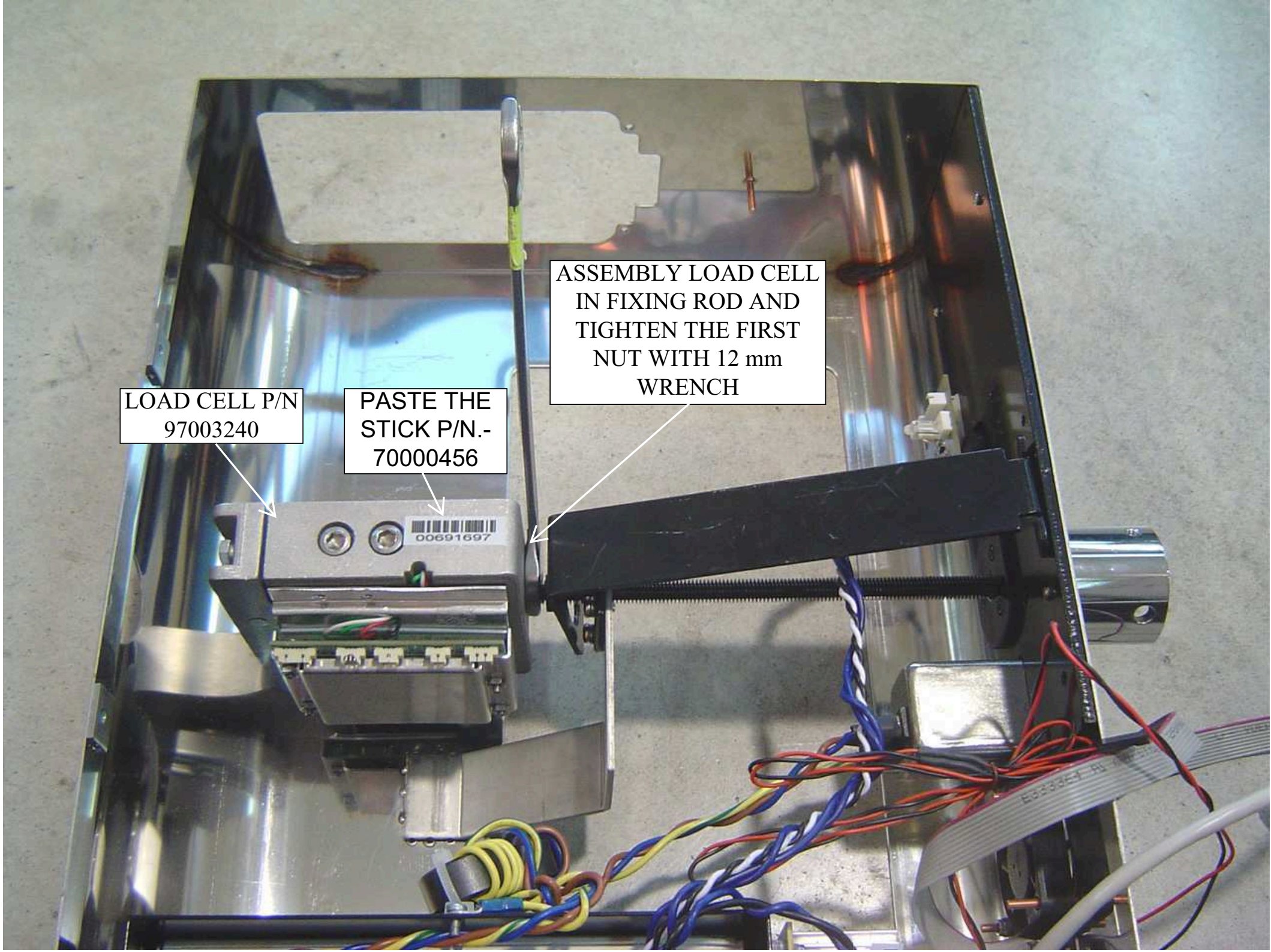
PUT THE "SEAL  
ANGLE CELL" P/N.-  
71210483 BY ROD  
CELL SUPPORT AS  
SHOWN IN THE  
PICTURE



LOAD CELL P/N  
97003240

PASTE THE  
STICK P/N.-  
70000456

ASSEMBLY LOAD CELL  
IN FIXING ROD AND  
TIGHTEN THE FIRST  
NUT WITH 12 mm  
WRENCH

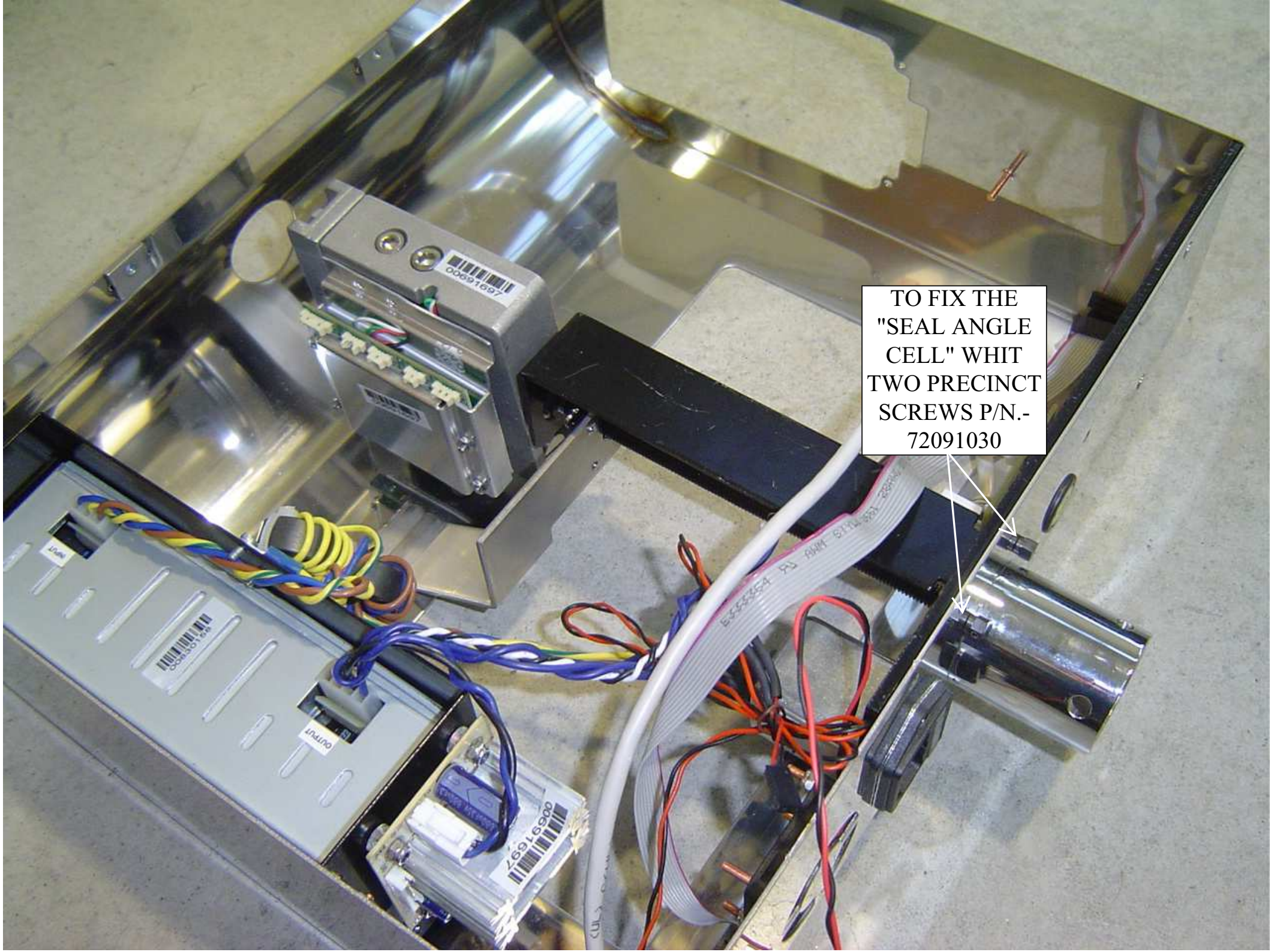




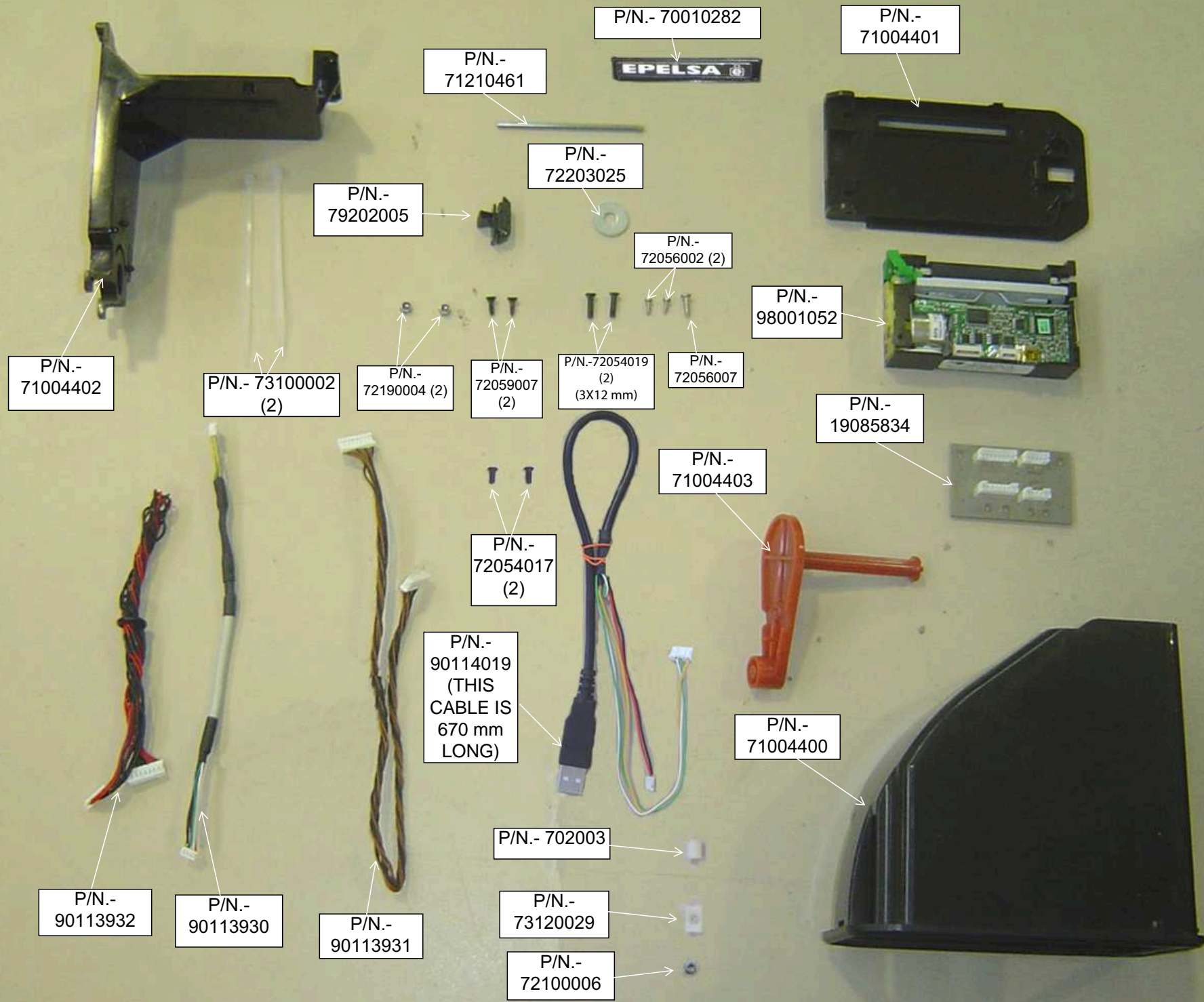
TIGHTEN THE  
LOCK NUT WITH  
12 mm WRENCH

PASTE STICK P/N.-  
70000456

TO FIX THE  
"SEAL ANGLE  
CELL" WHIT  
TWO PRECINCT  
SCREWS P/N.-  
72091030

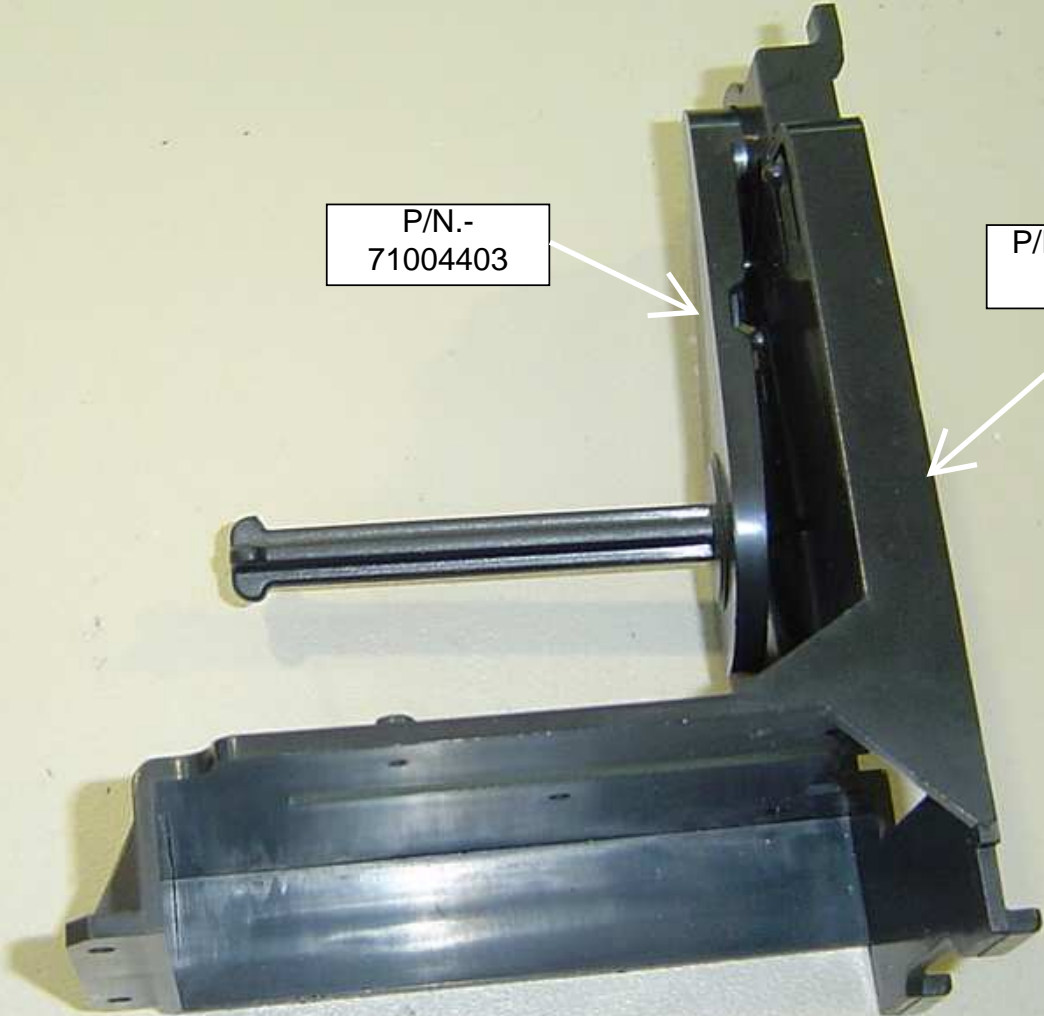


# 6.- ASSEMBLY SET PRINTER (COMPONENTS)



P/N.-  
71004403

P/N.- 71004402



UNITE THE TWO PARTS  
USING THE SCREW AND  
WASHER

P/N.-  
72056007

P/N.- 72203025



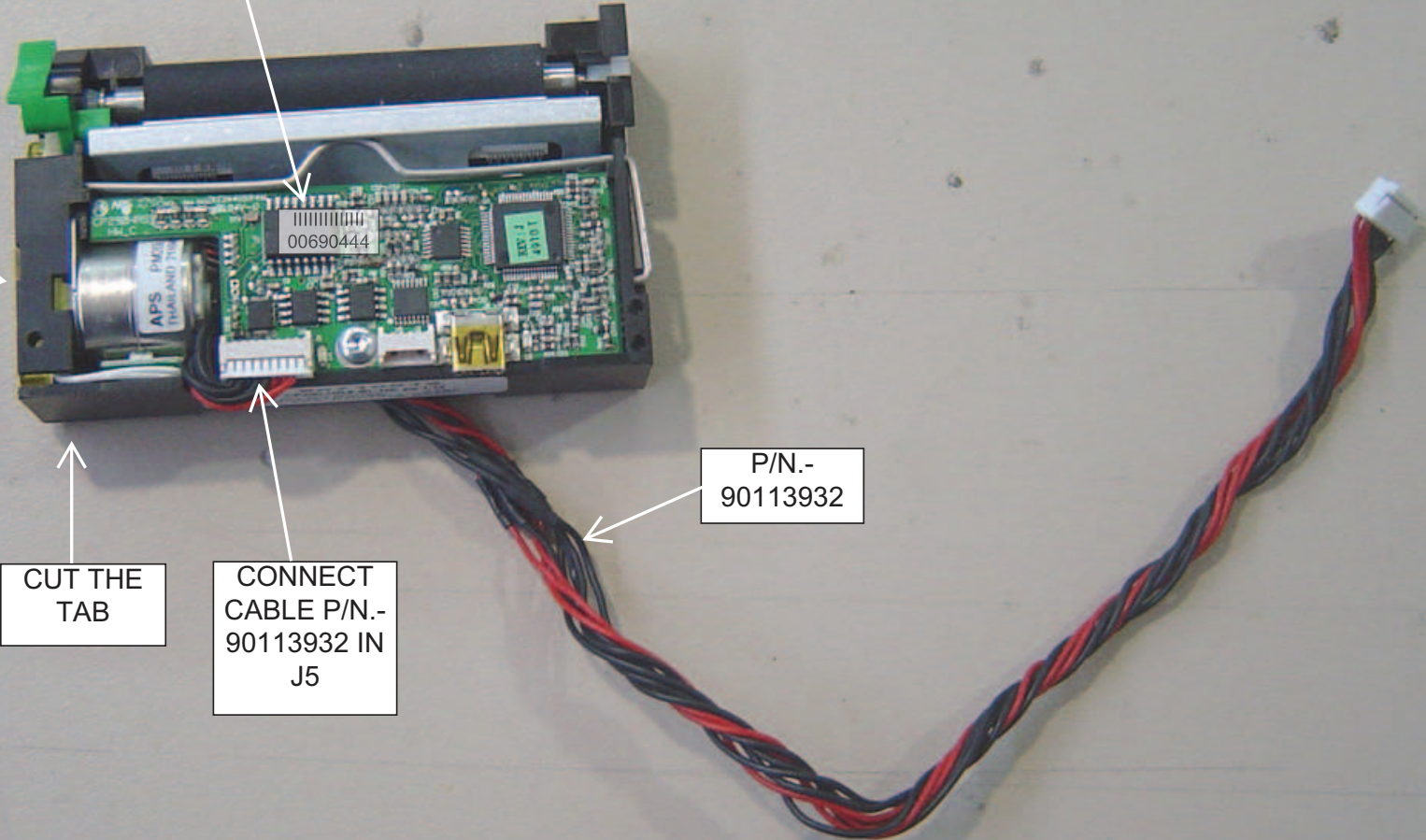
PASTE  
STICK P/N.-  
70000456

P/N.-  
98001052

CUT THE  
TAB

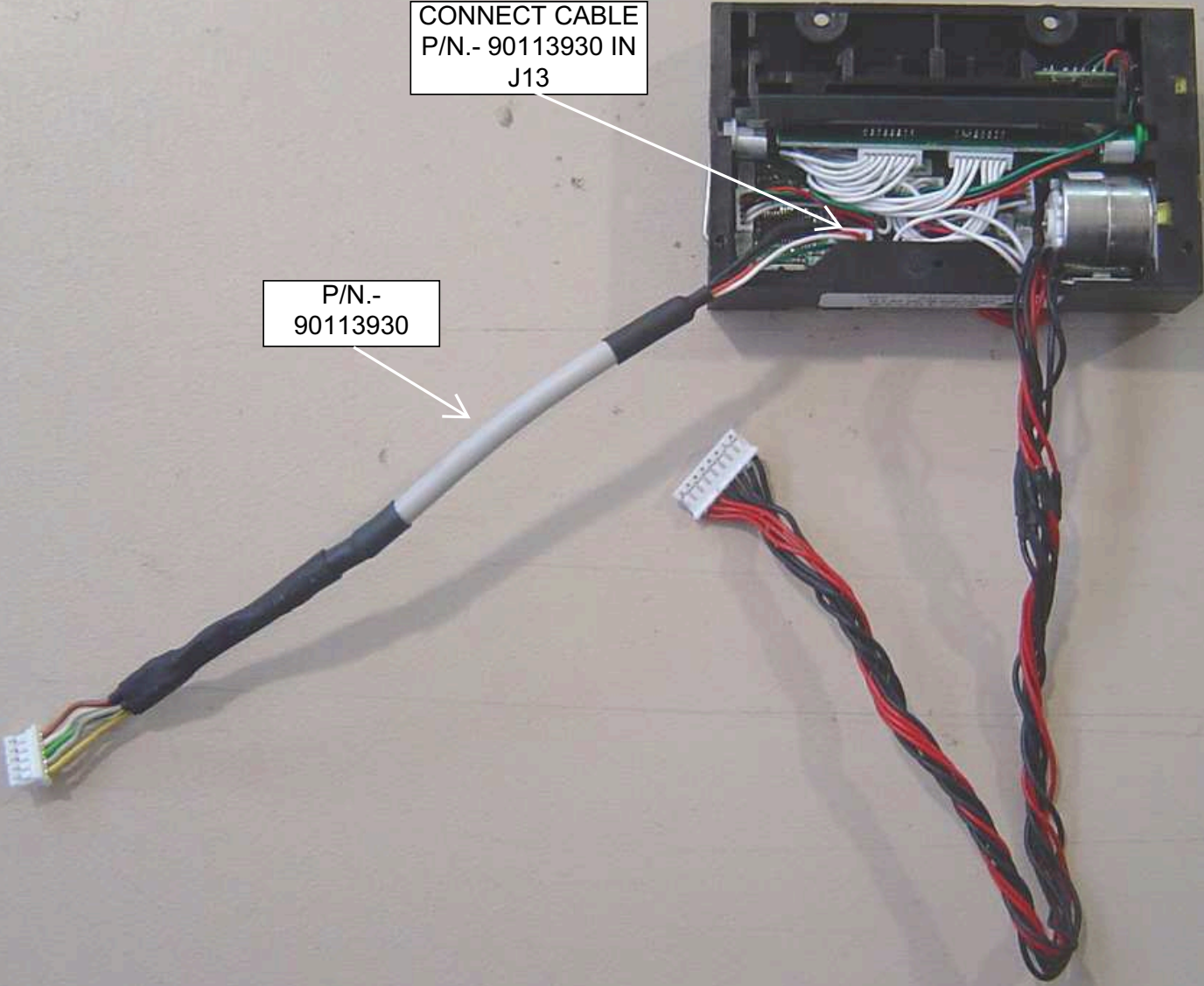
CONNECT  
CABLE P/N.-  
90113932 IN  
J5

P/N.-  
90113932

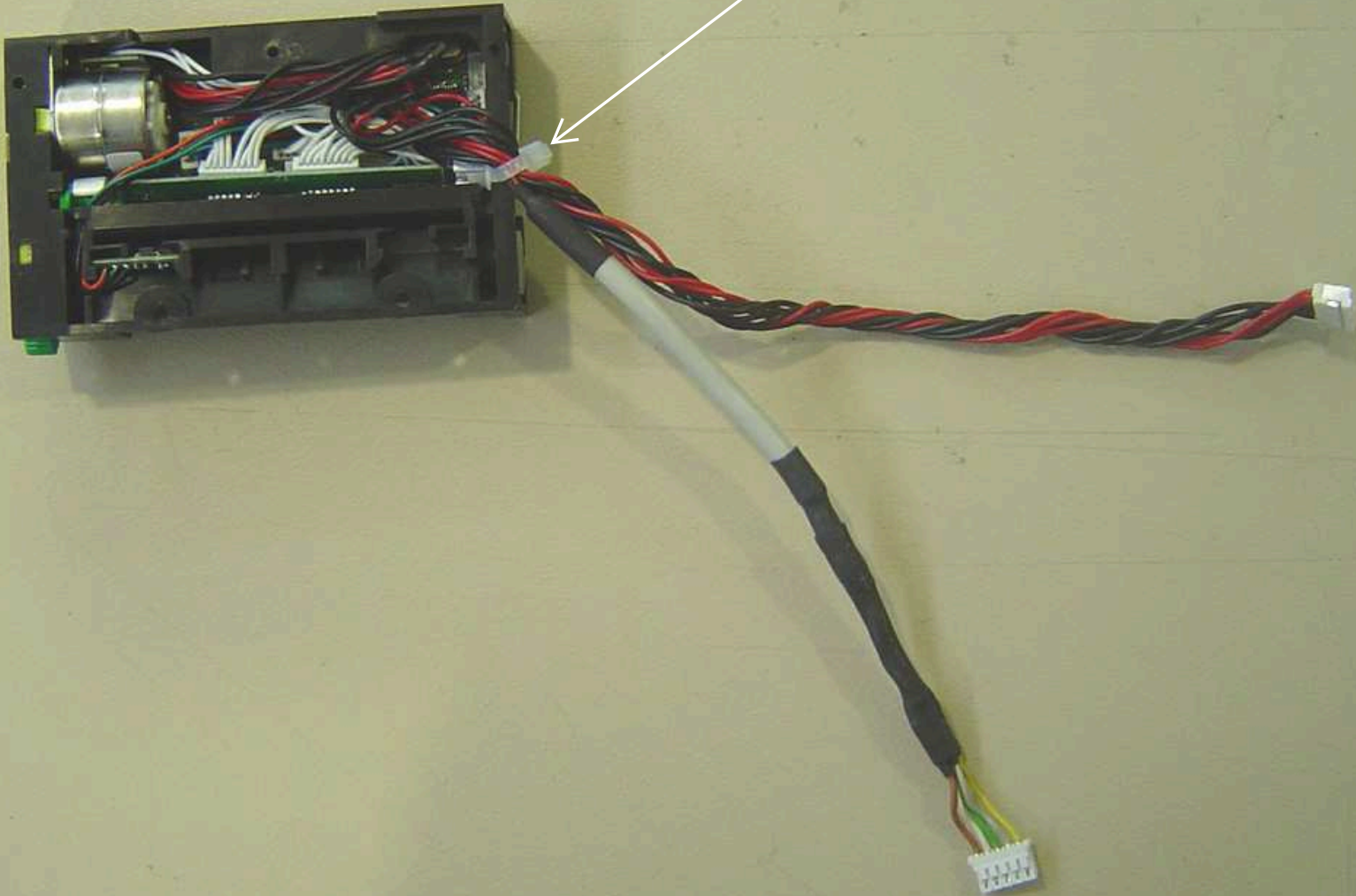


CONNECT CABLE  
P/N.- 90113930 IN  
J13

P/N.-  
90113930



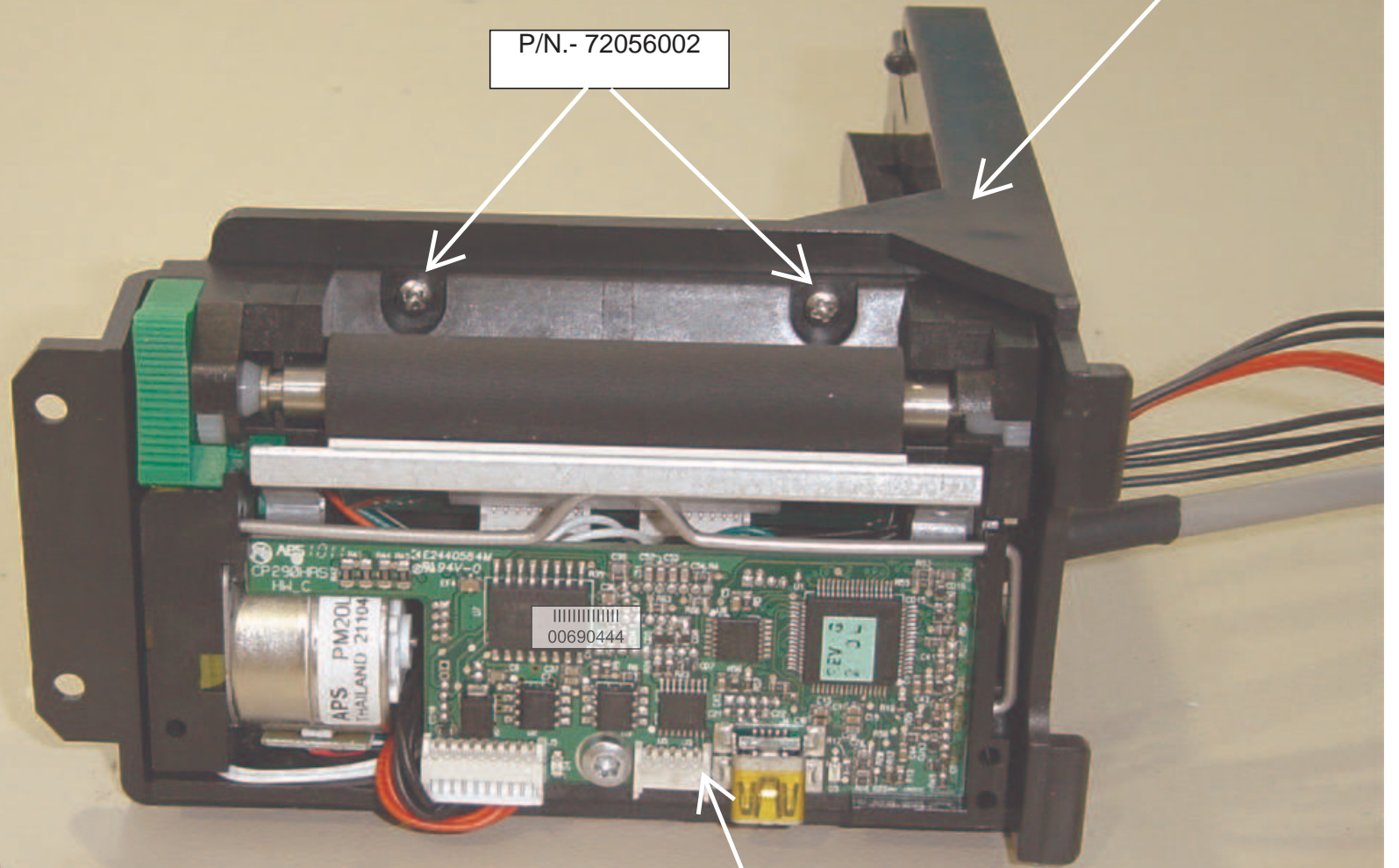
HOLD THE WIRES TO THE PRINTER WITH  
ONE FLANGE P/N.- 73100002



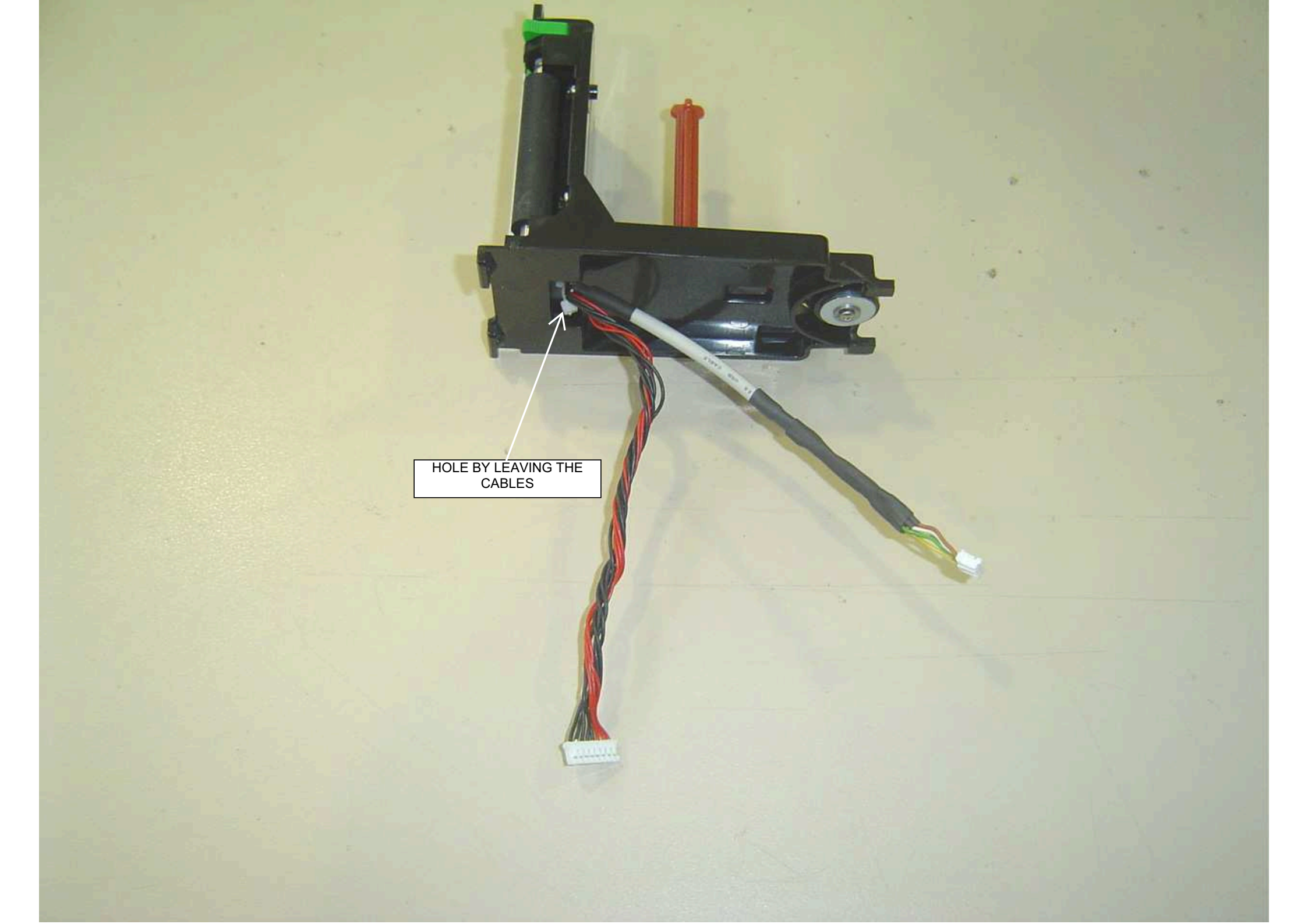


SUPPORT PRINTER

P/N.- 72056002



SET PRINTER

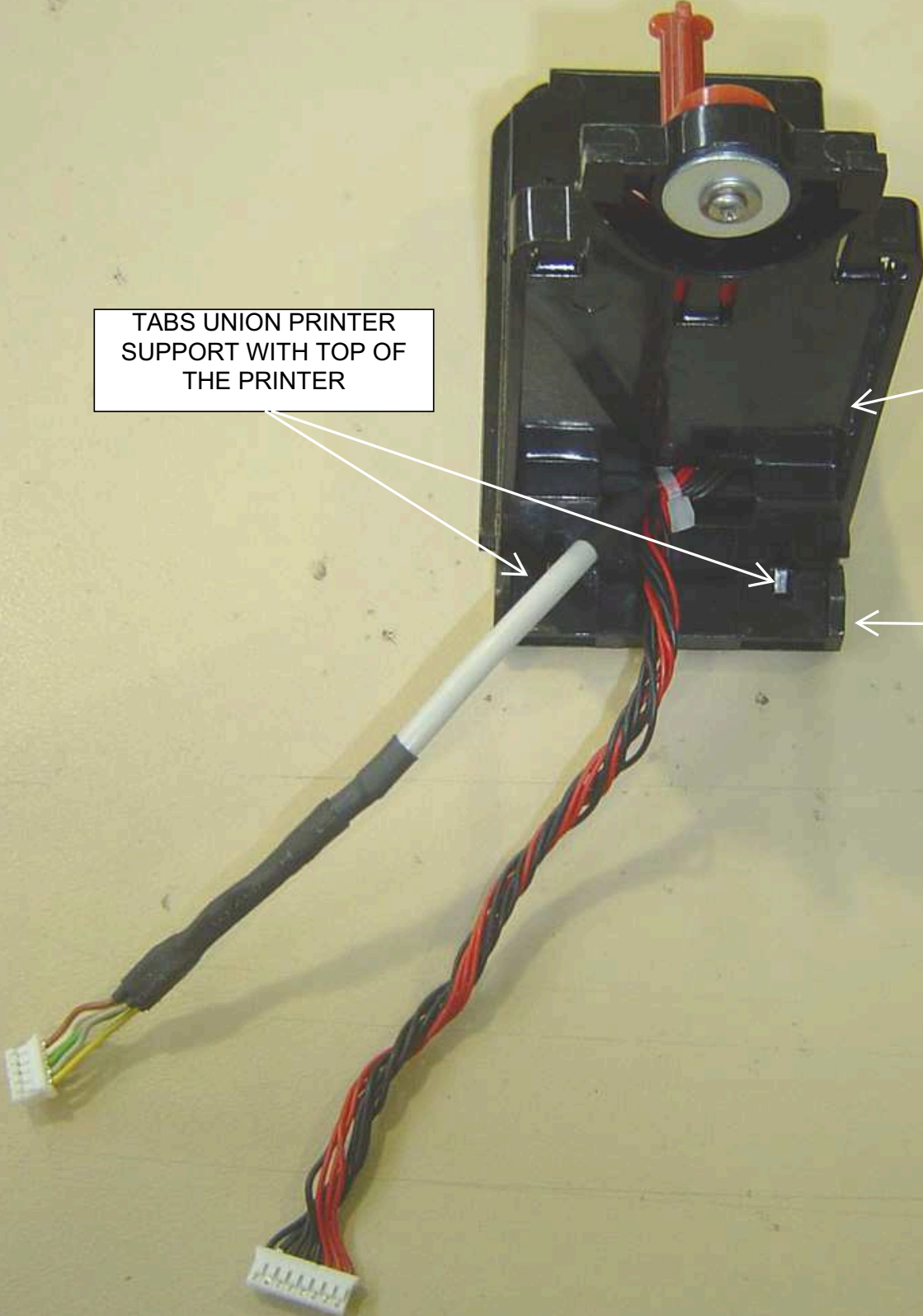


HOLE BY LEAVING THE  
CABLES

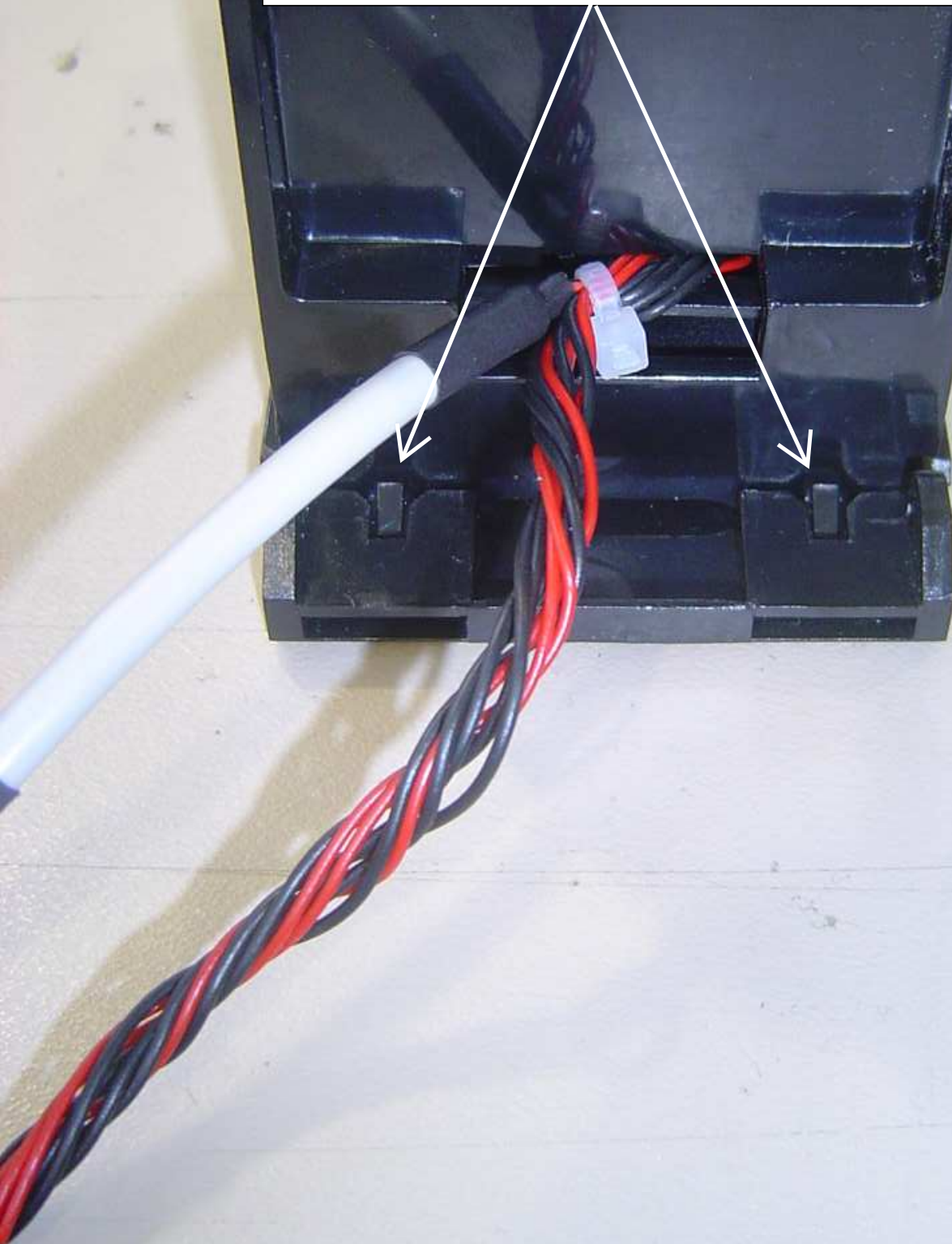
TABS UNION PRINTER  
SUPPORT WITH TOP OF  
THE PRINTER

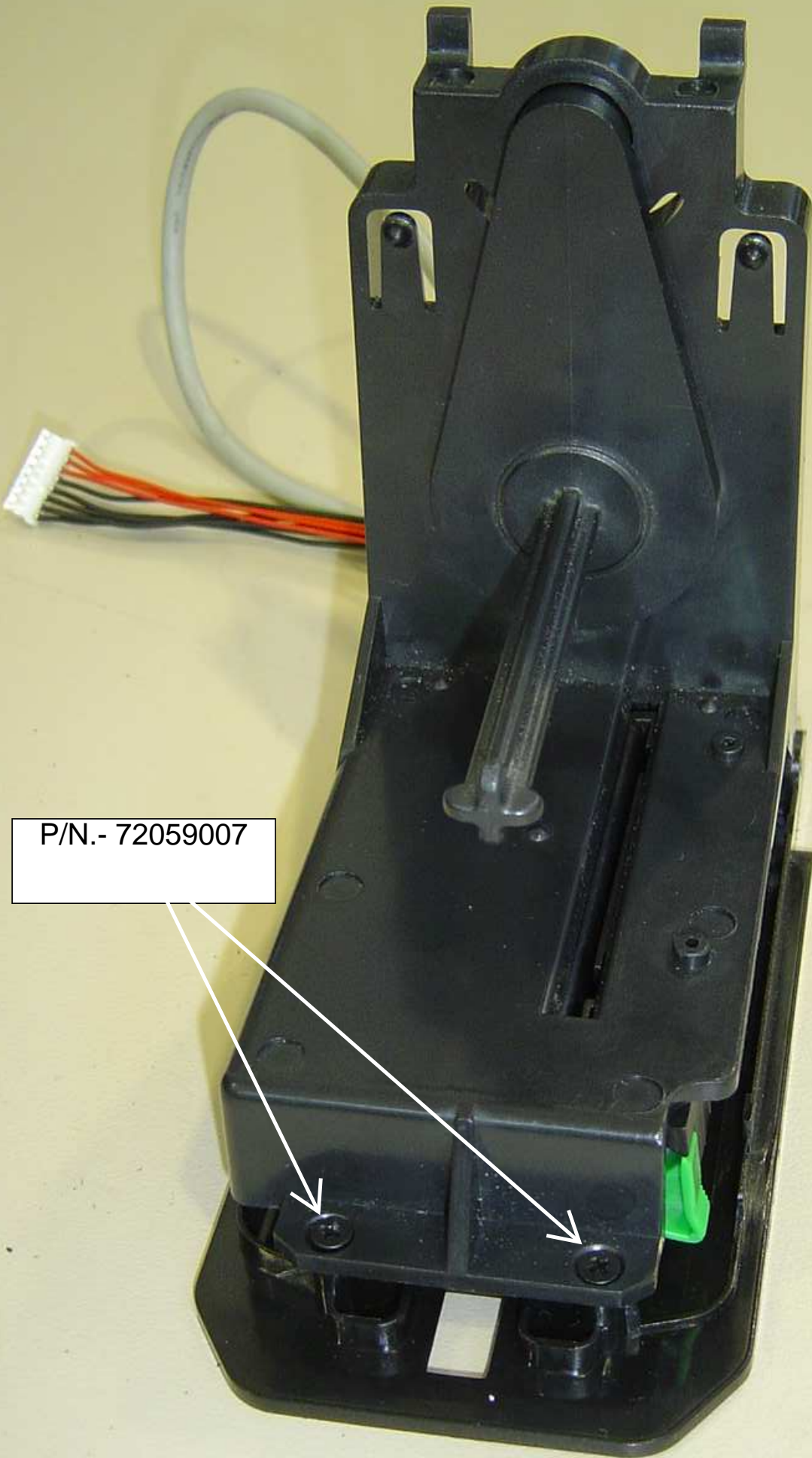
PRINTER  
SUPPORT

P/N.-  
71004401



DETAIL OF INSERTING TABS  
PRINTER STAND AT THE TOP OF  
THE PRINTER

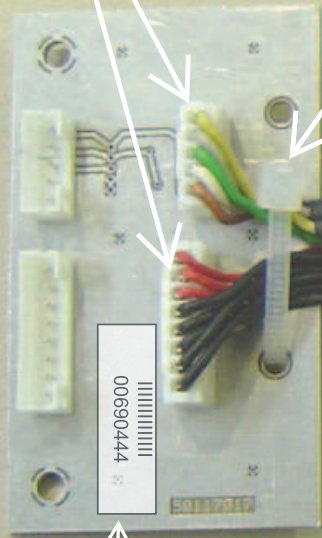




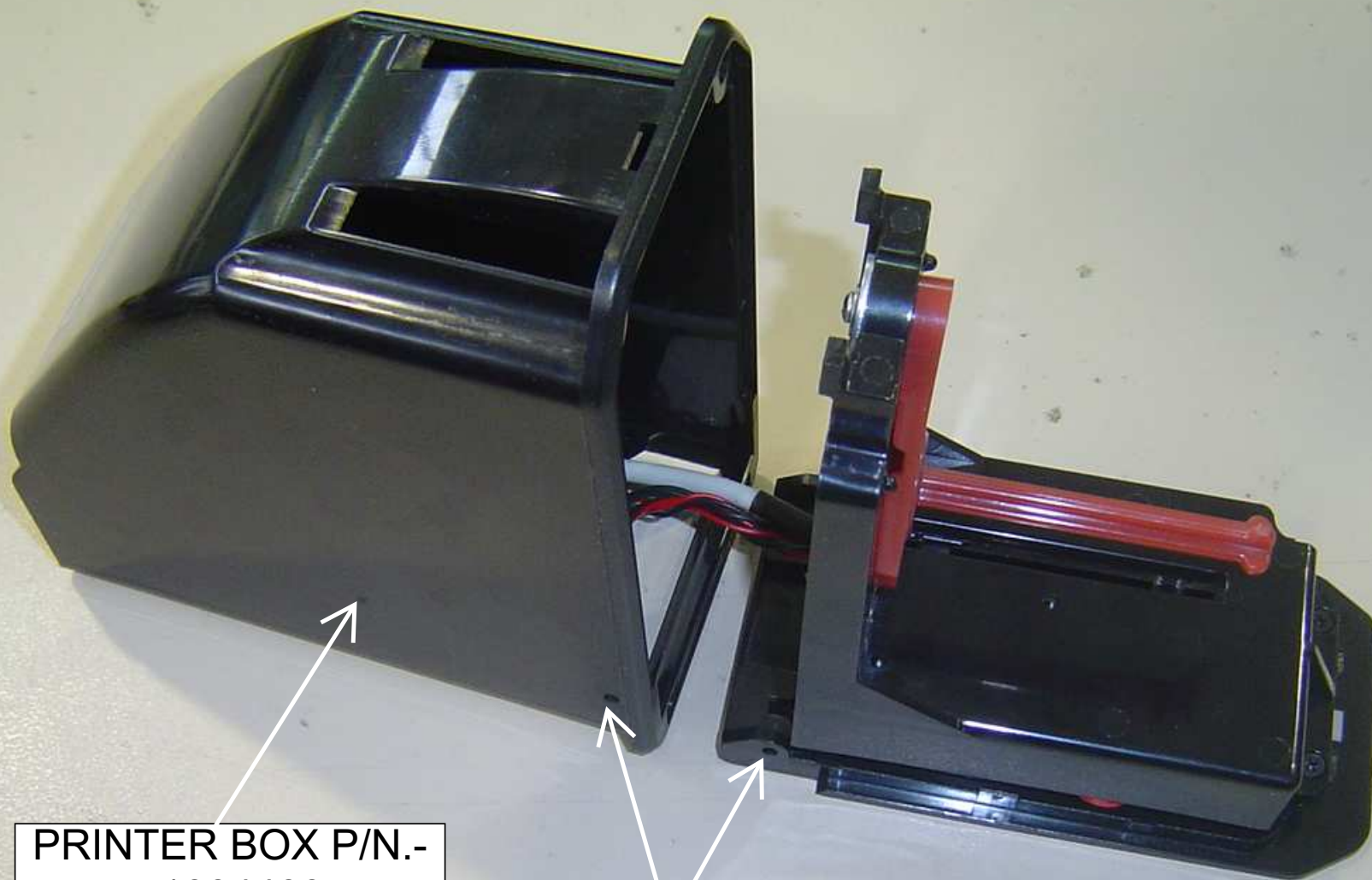
P/N.- 72059007

CONNECT  
CABLES TO  
CONNECTORS  
BOARD P/N.-  
19085834

HOLD THE CABLES  
TO THE BOARD  
WITH ONE FLANGE  
P/N.- 73100002



PASTE THE STICK  
P/N.- 70000456



PRINTER BOX P/N.-  
71004400

HOLE FOR  
THE AXE

JOIN SET PRINTER  
WITH BOX PRINTER  
WITH AXIS P/N .-  
71210461





ASSEMBLY  
LATCH P/N.-  
79202005

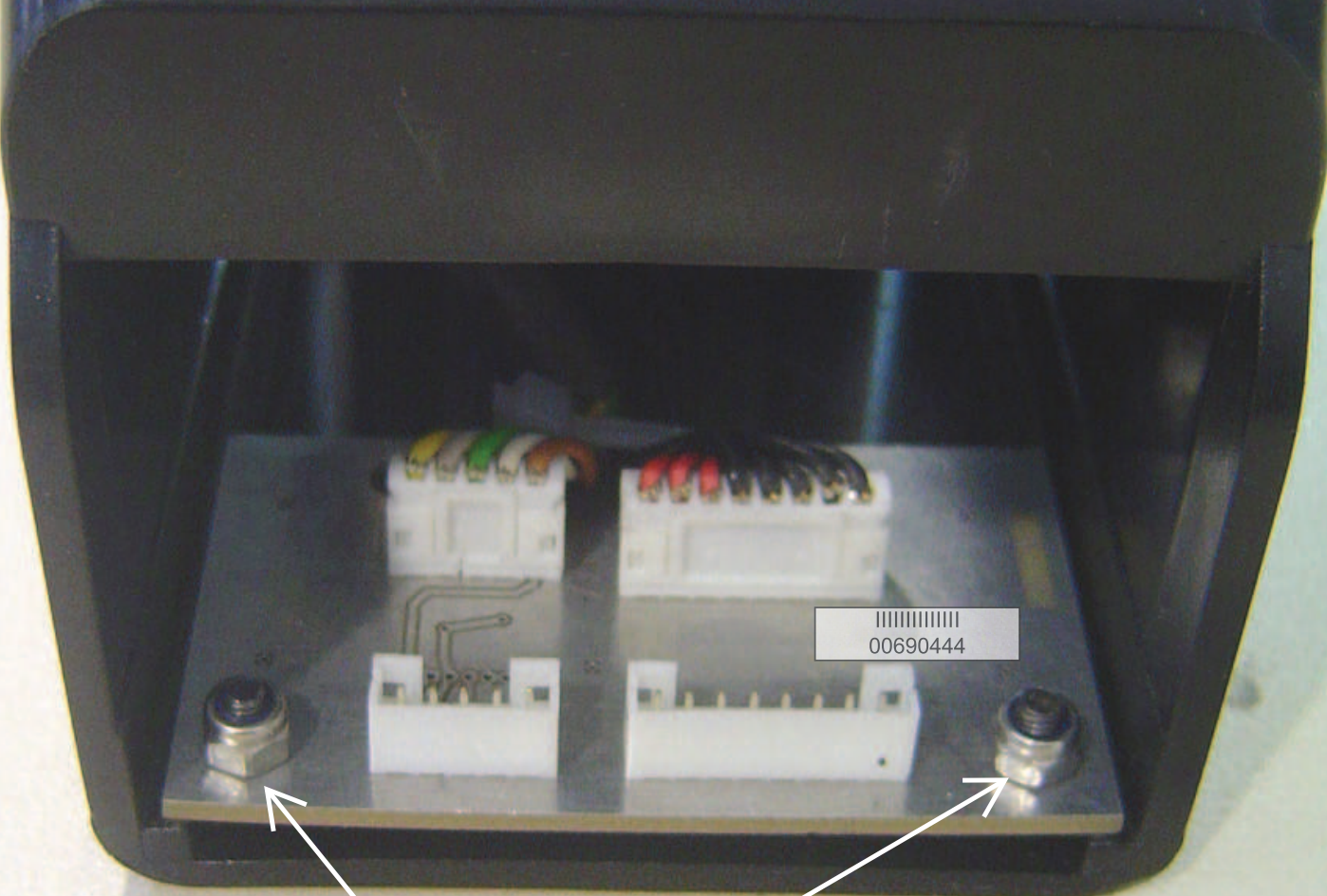
TO PASTE  
STICK P/N.-  
70010282



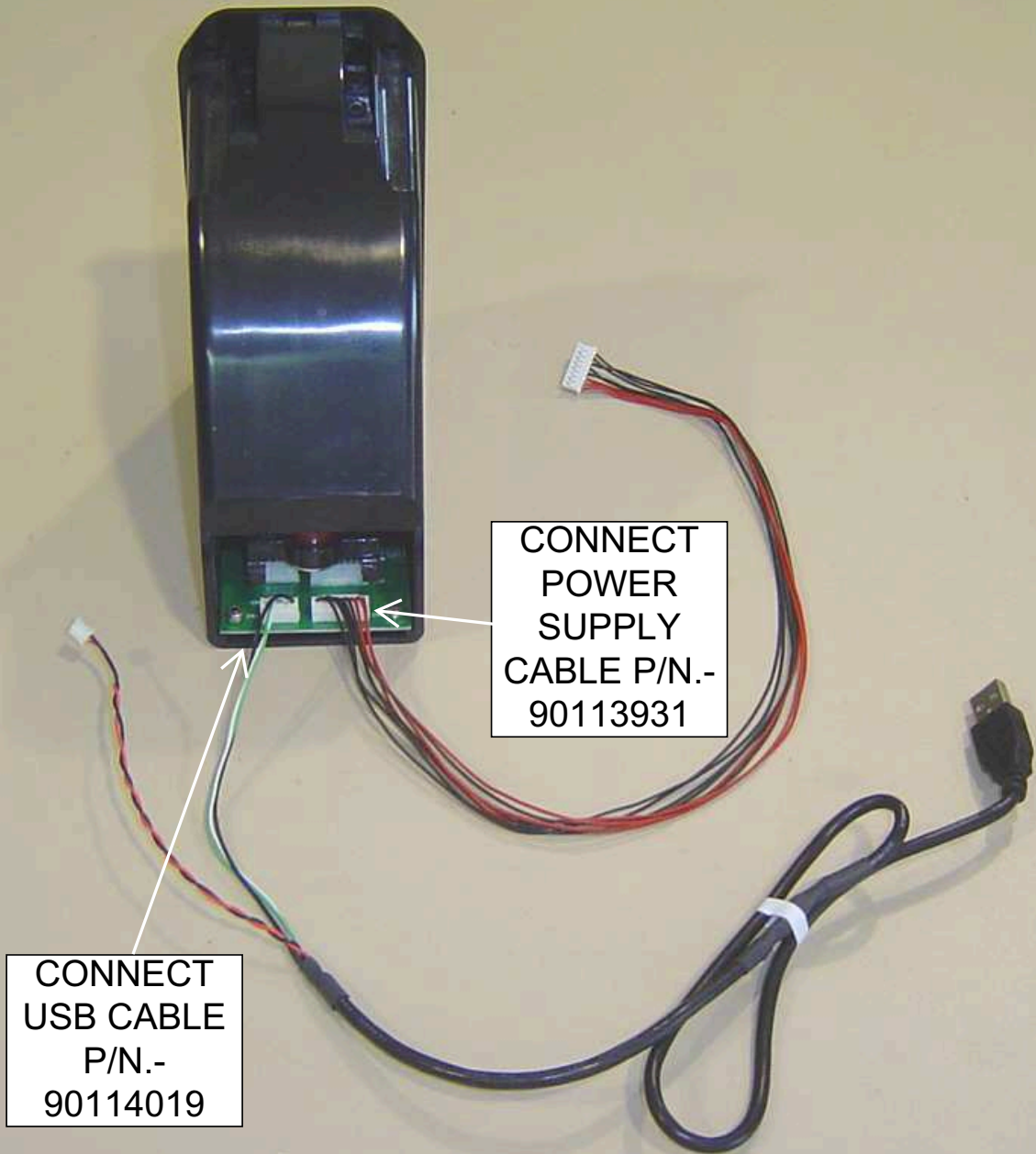


TO PASTE LABEL  
P/N.- 70000456

TO HOLD THE CONNECTORS  
BOARD TO THE BOX WITH  
THE SCREWS P/N.-72054018  
AND THE NUTS P/N.-  
72190004



VIEW ASSEMBLY  
CONNECTORS BOARD  
TO BOX PRINTER



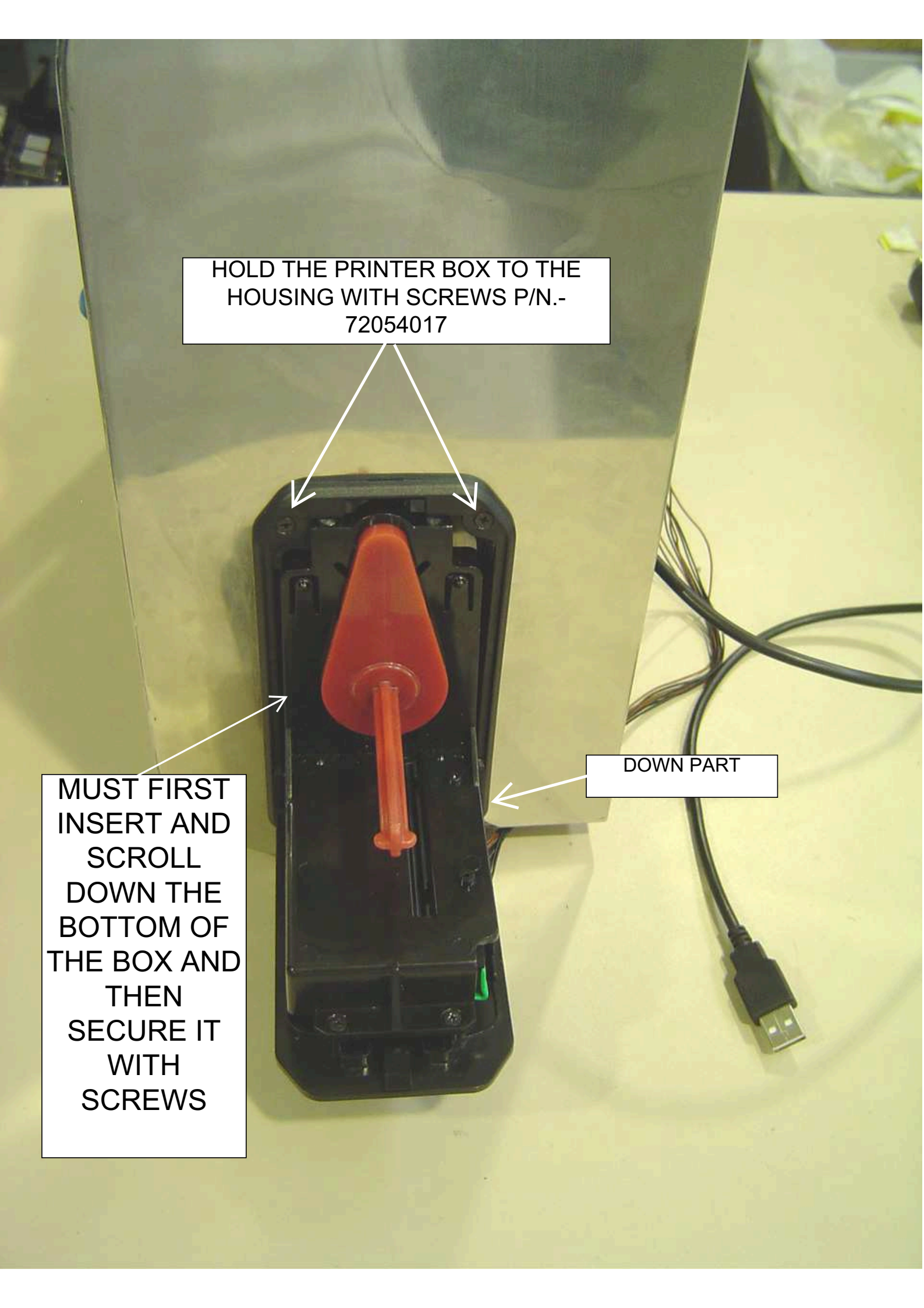
CONNECT  
POWER  
SUPPLY  
CABLE P/N.-  
90113931

CONNECT  
USB CABLE  
P/N.-  
90114019

HOLD THE PRINTER BOX TO THE  
HOUSING WITH SCREWS P/N.-  
72054017

MUST FIRST  
INSERT AND  
SCROLL  
DOWN THE  
BOTTOM OF  
THE BOX AND  
THEN  
SECURE IT  
WITH  
SCREWS

DOWN PART



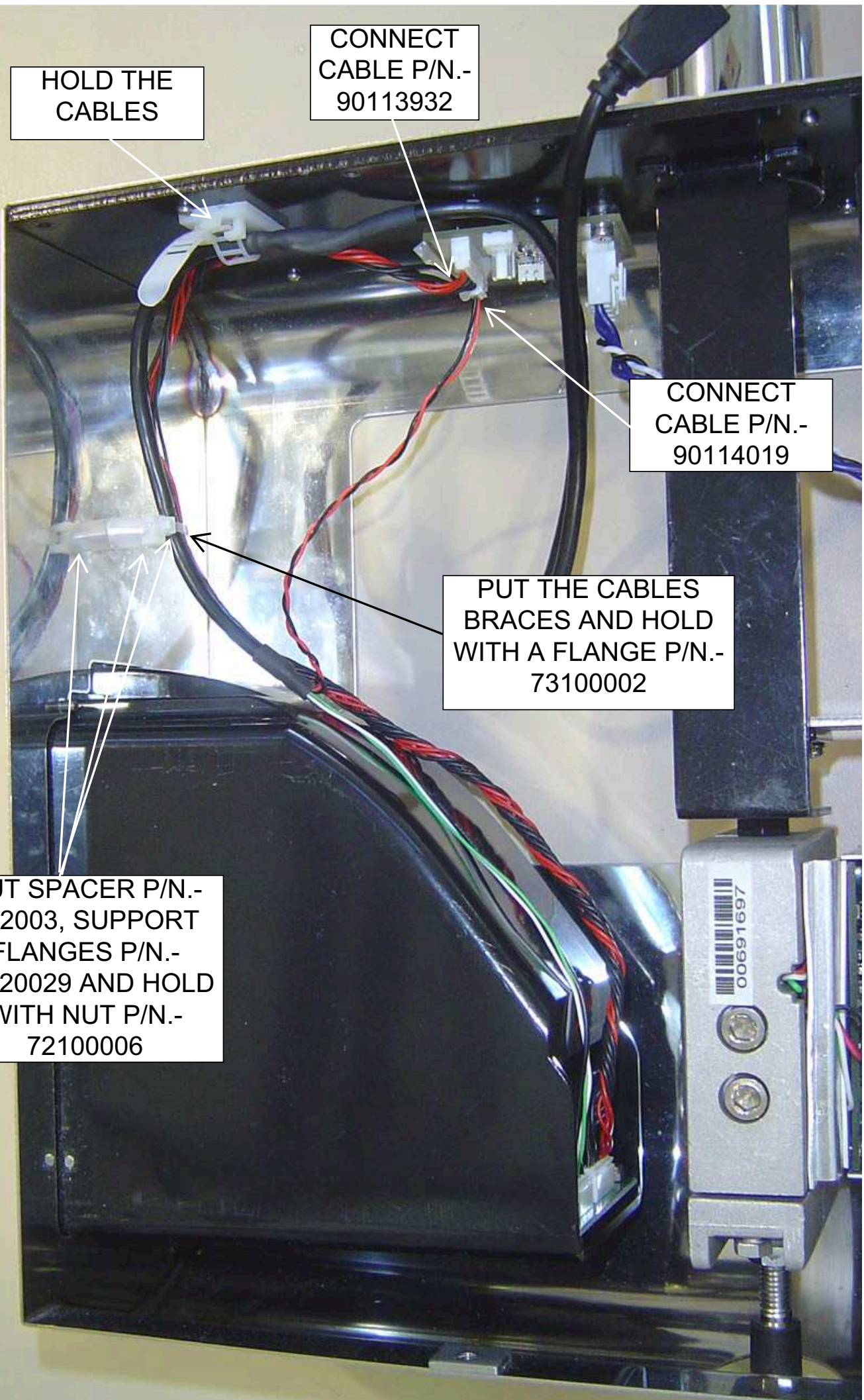
HOLD THE  
CABLES

CONNECT  
CABLE P/N.-  
90113932

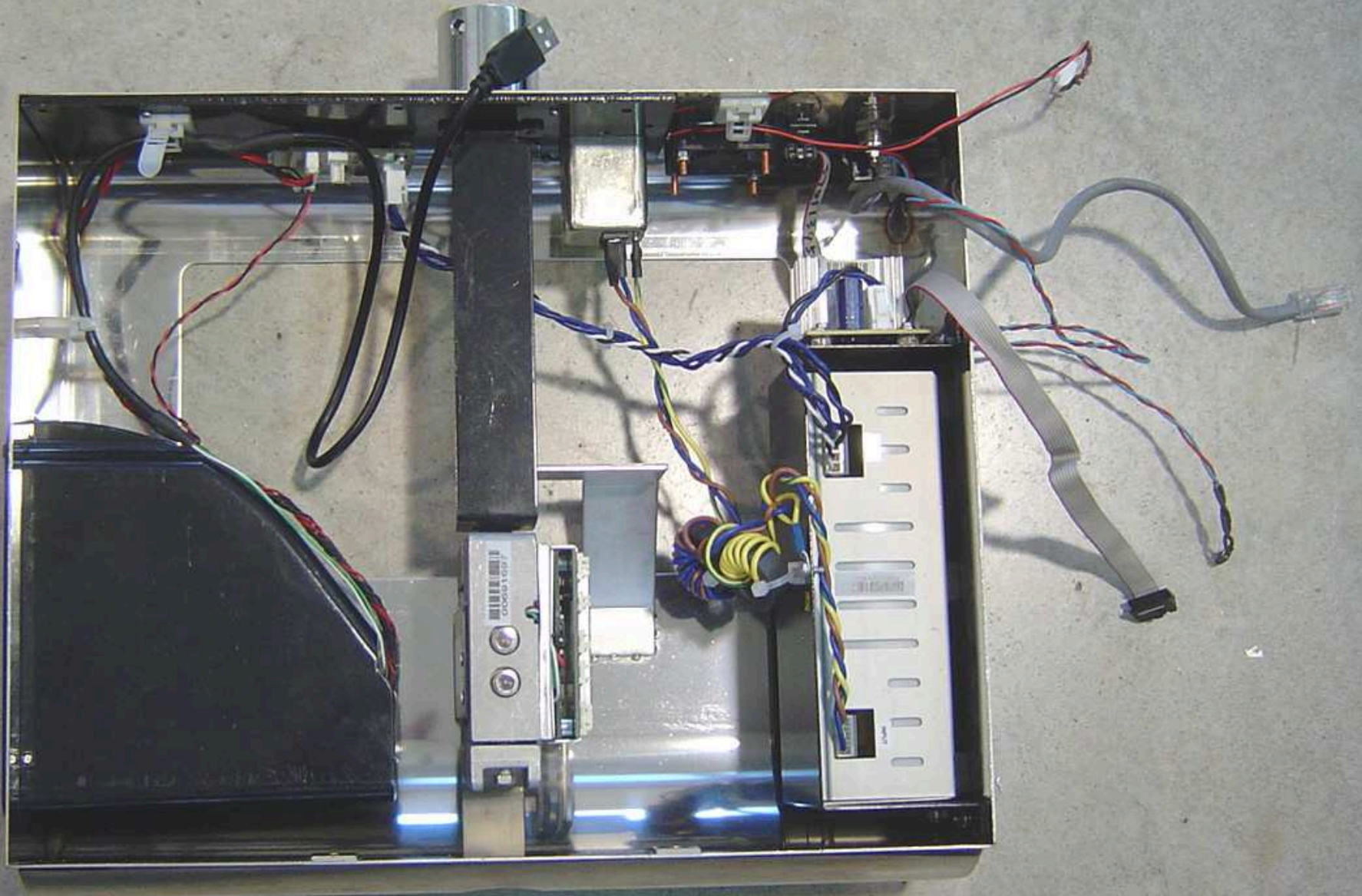
CONNECT  
CABLE P/N.-  
90114019

PUT THE CABLES  
BRACES AND HOLD  
WITH A FLANGE P/N.-  
73100002

PUT SPACER P/N.-  
702003, SUPPORT  
FLANGES P/N.-  
73120029 AND HOLD  
WITH NUT P/N.-  
72100006



# OVERVIEW



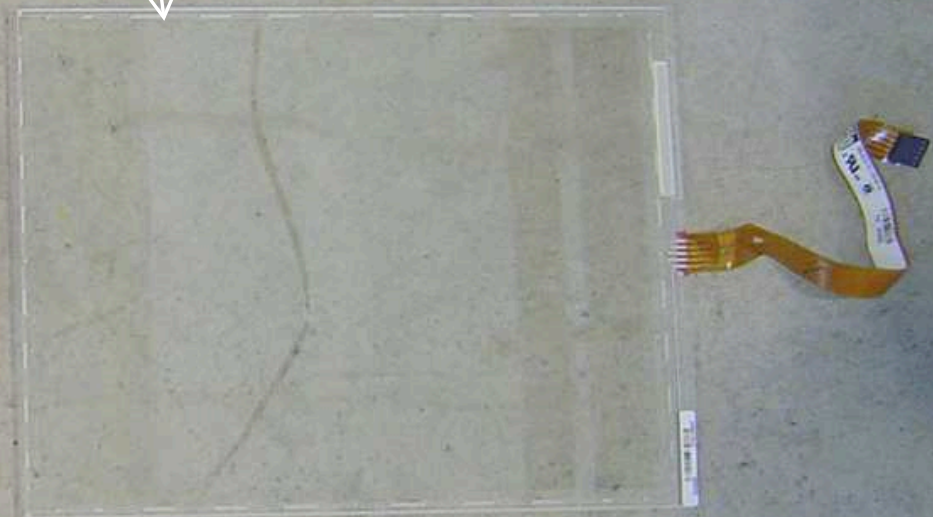
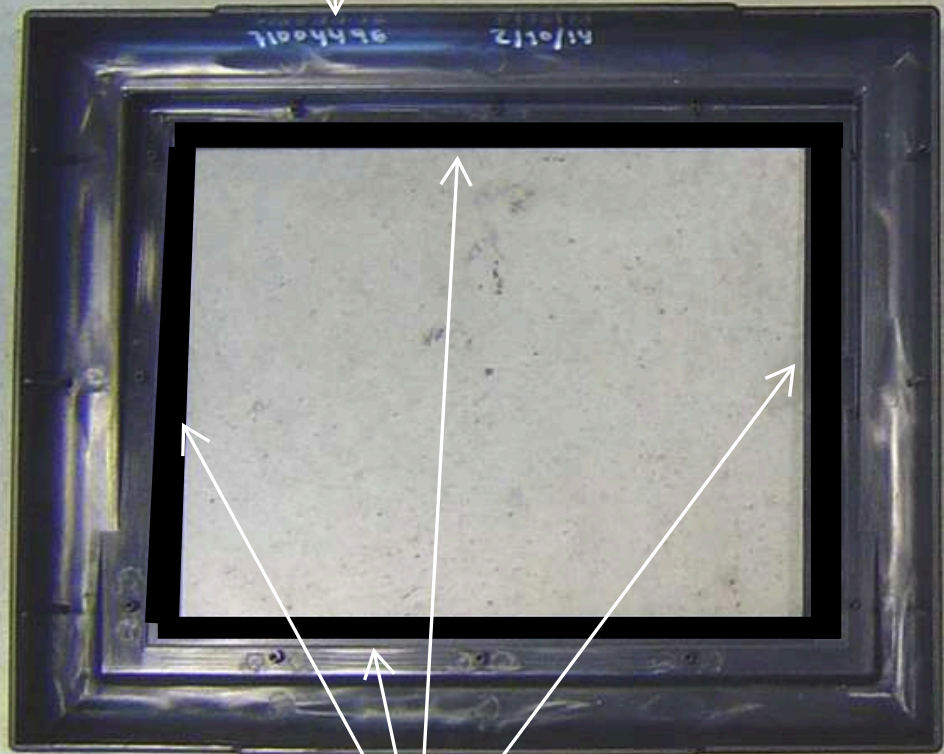
7.- ASSEMBLY FRONT COVER

7.1.- ASSEMBLY TOUCH SCREEN (LVDS). ( COMPONENTS )

P/N.-  
71004496  
( VAL 3 )

P/N.-  
19018600

P/N.-  
72054038  
( 4 )



PVC FOAM  
BOARD

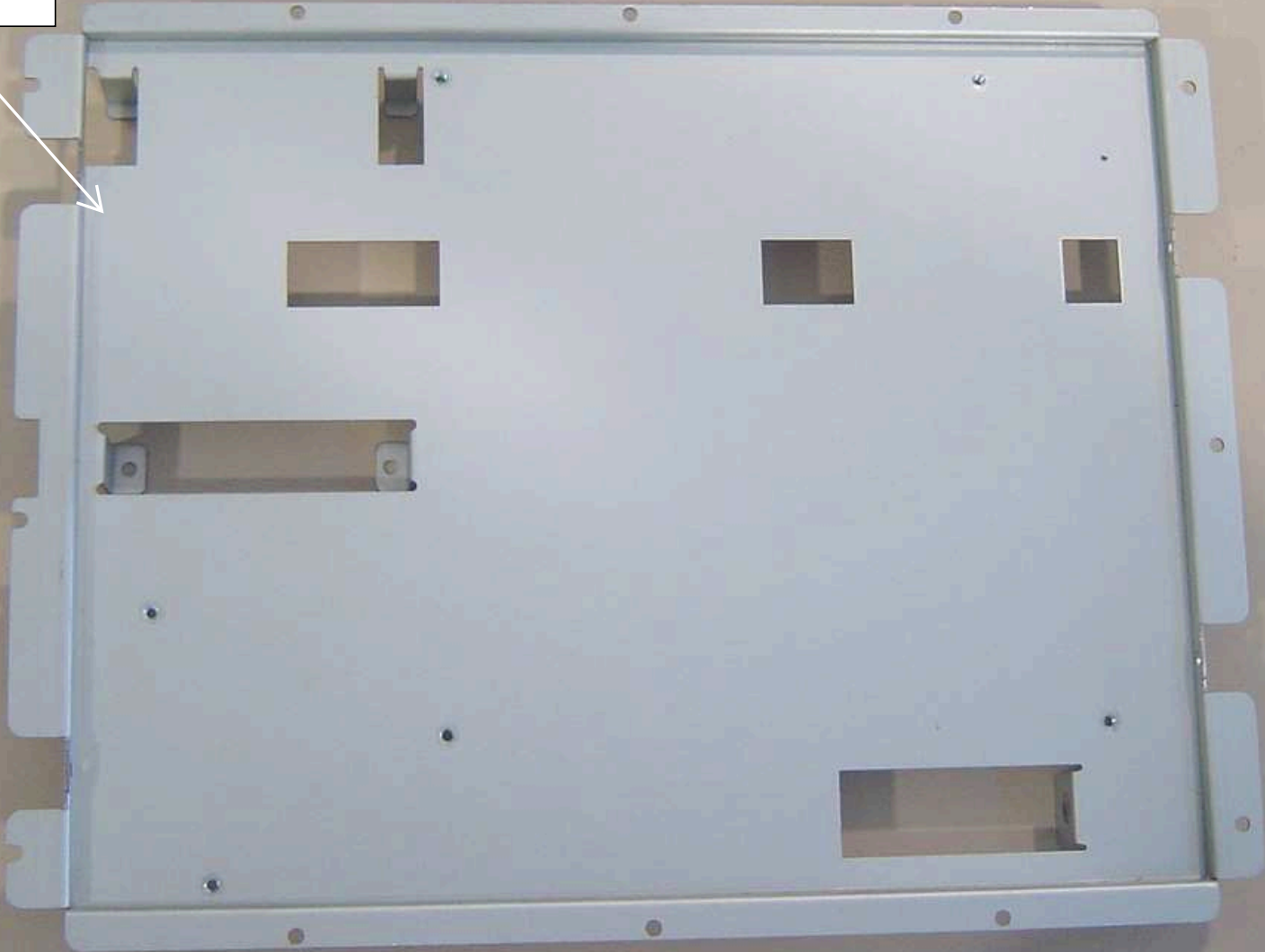


# 7.1.- ASSEMBLY TOUCH SCREEN (LVDS). ( COMPONENTS )

P/N.- 72030002 (4)	P/N.- 73050003 (4)
-----------------------	-----------------------

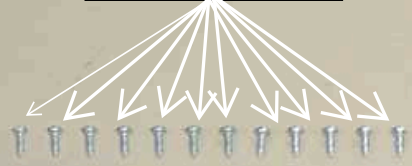


P/N.-  
71210539



# 7.1.- ASSEMBLY TOUCH SCREEN (LVDS). ( COMPONENTS )

P/N.-  
72056002  
(12)



P/N.-  
73050003  
(12)

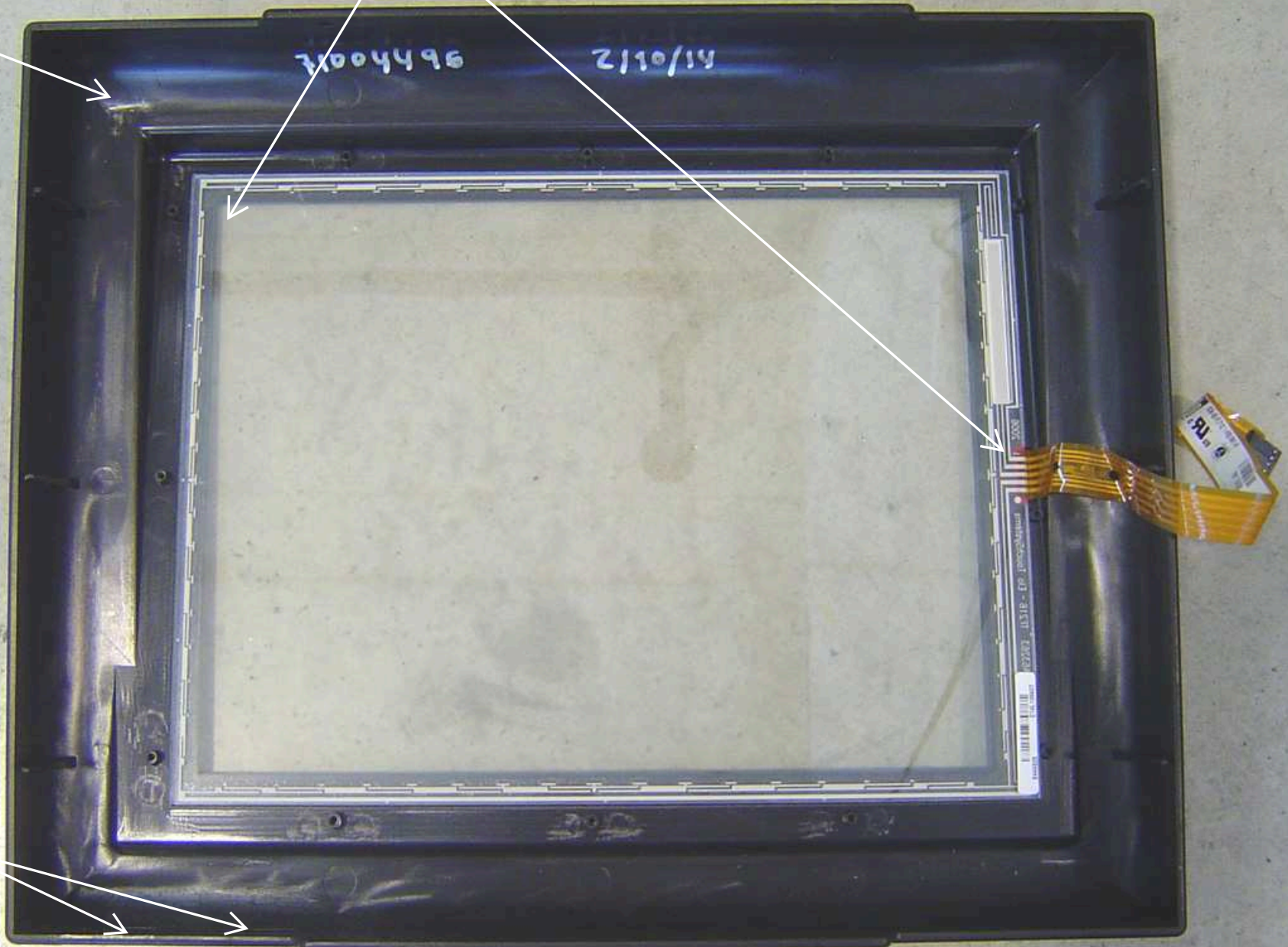


P/N.-  
19018500



ASSEMBLY THE TOUCH SCREEN IN THE FRONT COVER IN THIS POSITION (SEE NEXT PICTURE )

TOP



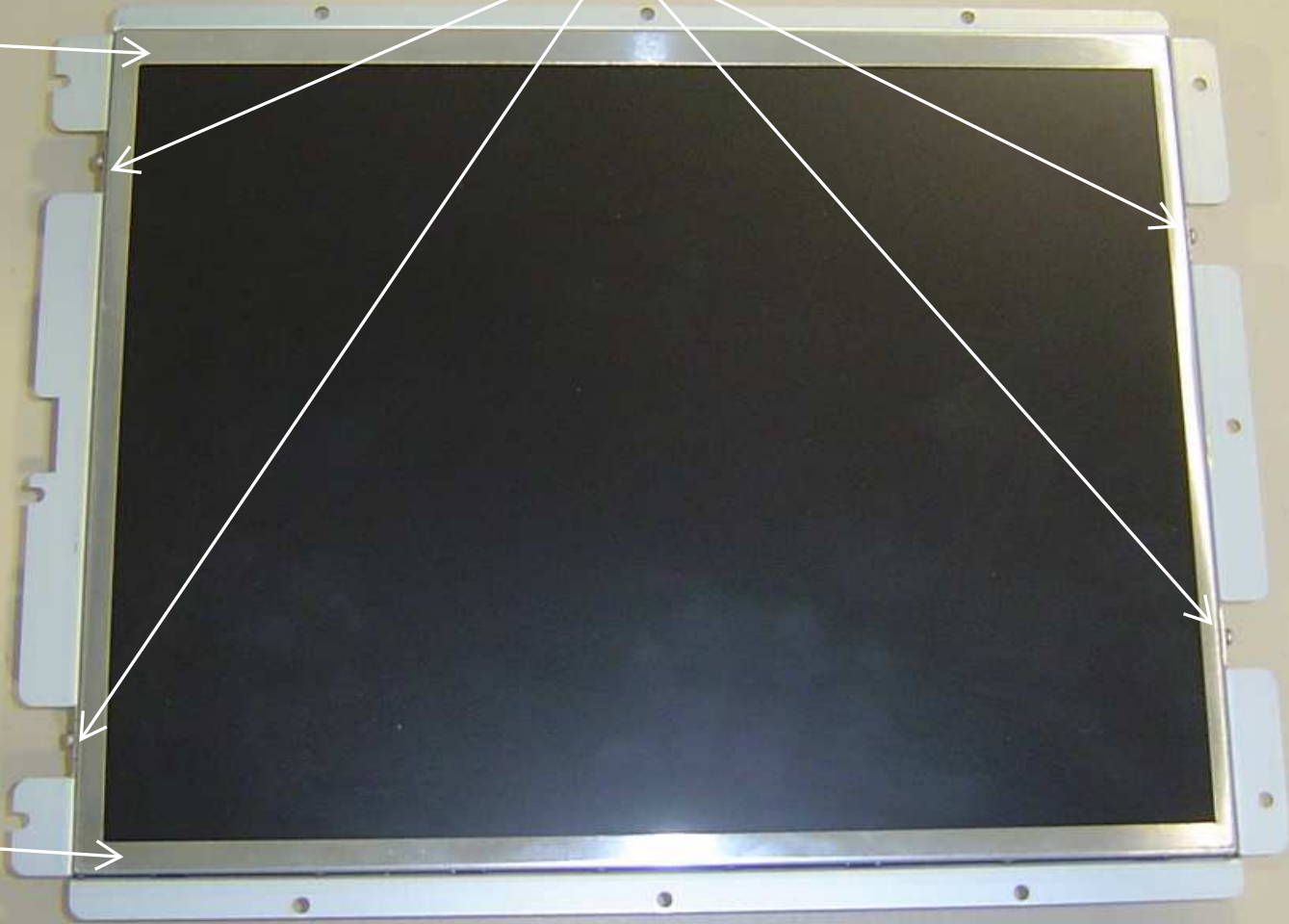
USB'S HOLES



PUT THE SCREEN IN THE  
SUPPORT IN THIS  
POSITION AND HOLD WITH  
THE WHASER P/N.-  
73050003 AND THE  
SCREWS P/N.- 72030002

WIDE

NARROW



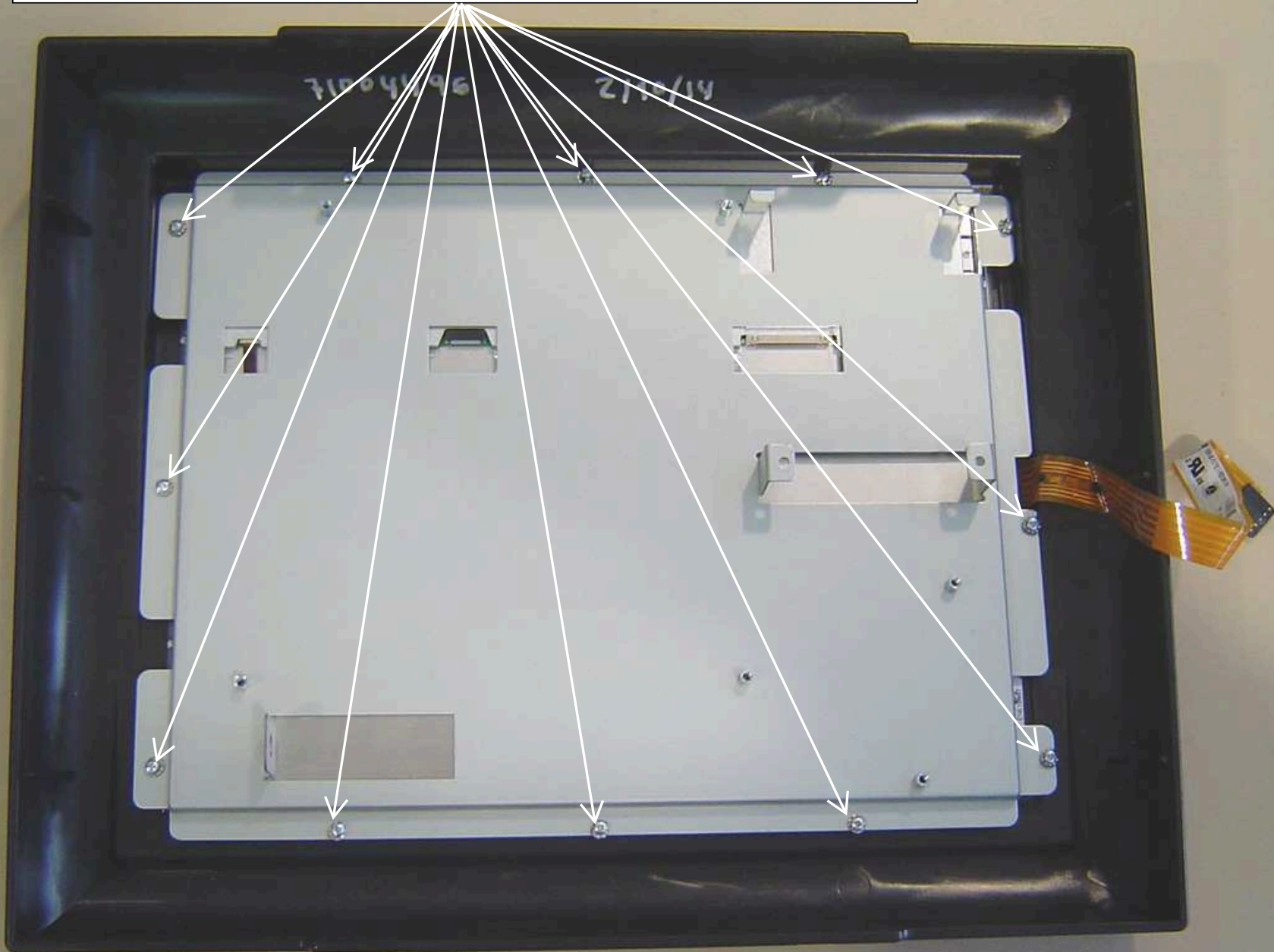


WHASERS P/N.-  
73050003 AND  
SCREWS P/N.-  
72030002



WHASERS P/N.-  
73050003 AND  
SCREWS P/N.-  
72030002

PUT THE SCREEN SET IN FRONT COVER AND HOLD WITH 12 WHASERS P/N.- 73050003 AND 12 SCREWS P/N.- 72056002







## 7.2.- ASSEMBLY MAIN BOARD AND TOUCH SCREEN CONTROL BOARD (COMPONENTS)

P/N.-  
90114008



P/N.-  
90114017



P/N.-  
90114014  
(200 mm)



P/N.-  
19087300



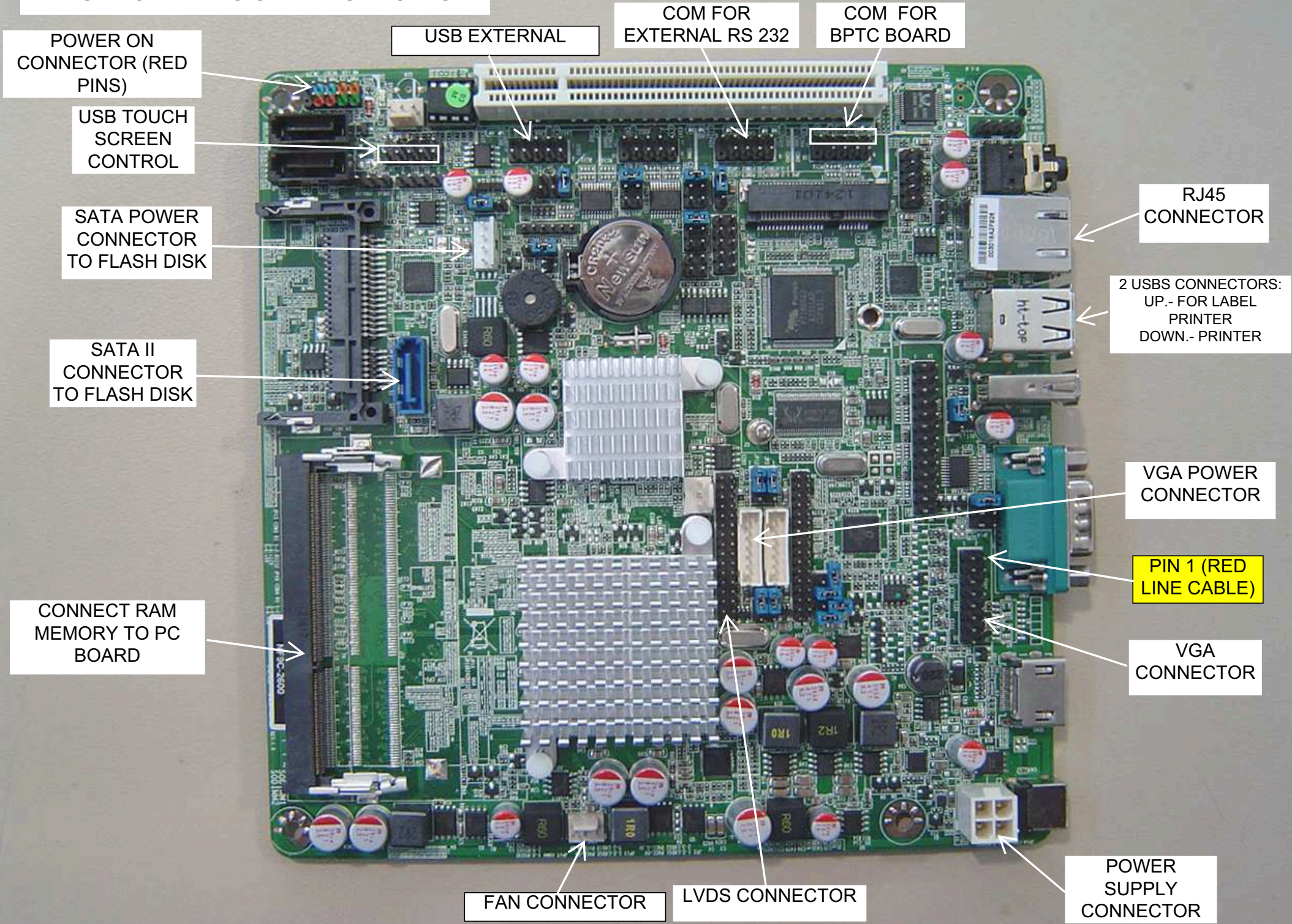
P/N.- 72031015  
(6)



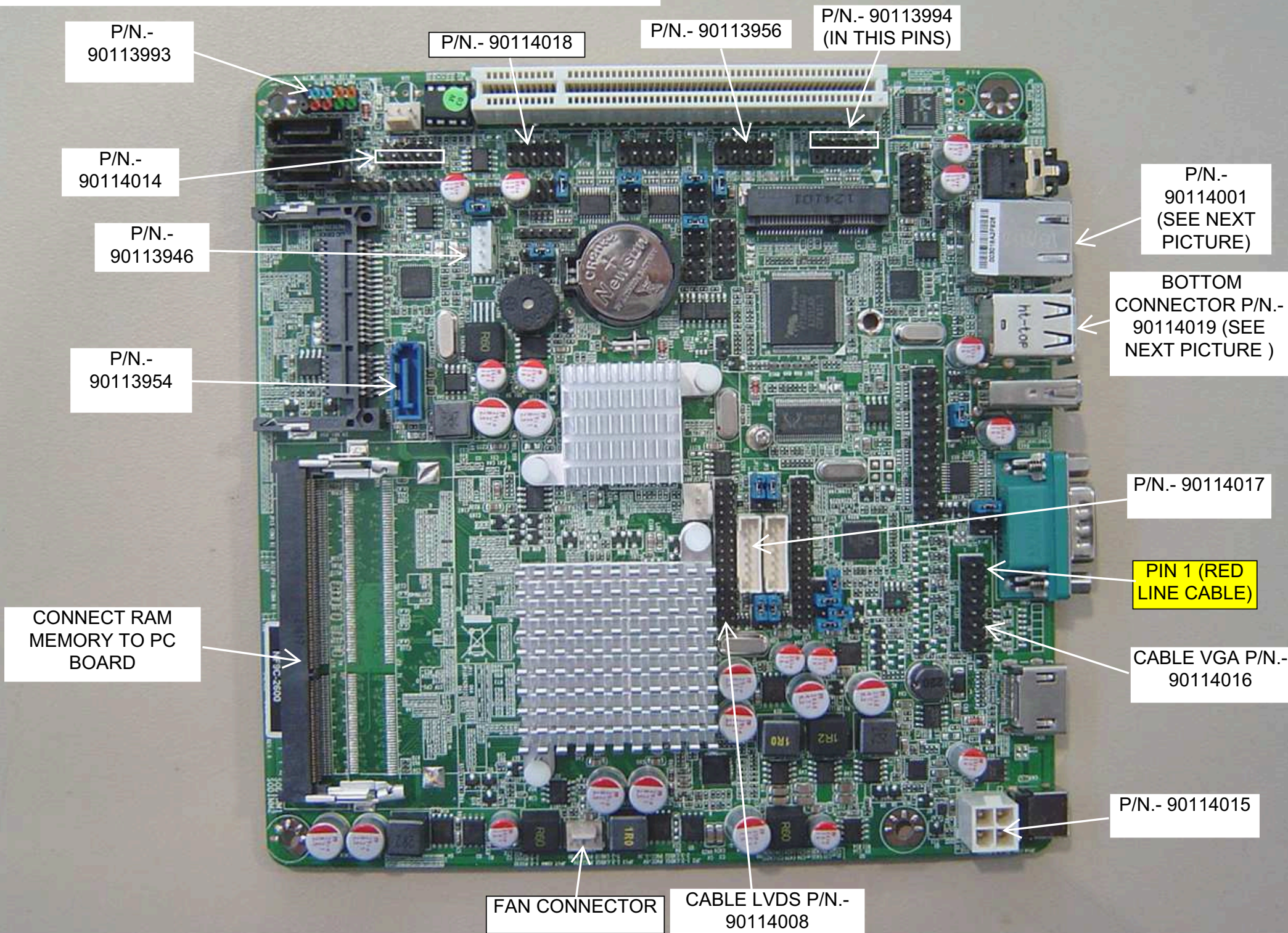
P/N.-73050004  
(6)



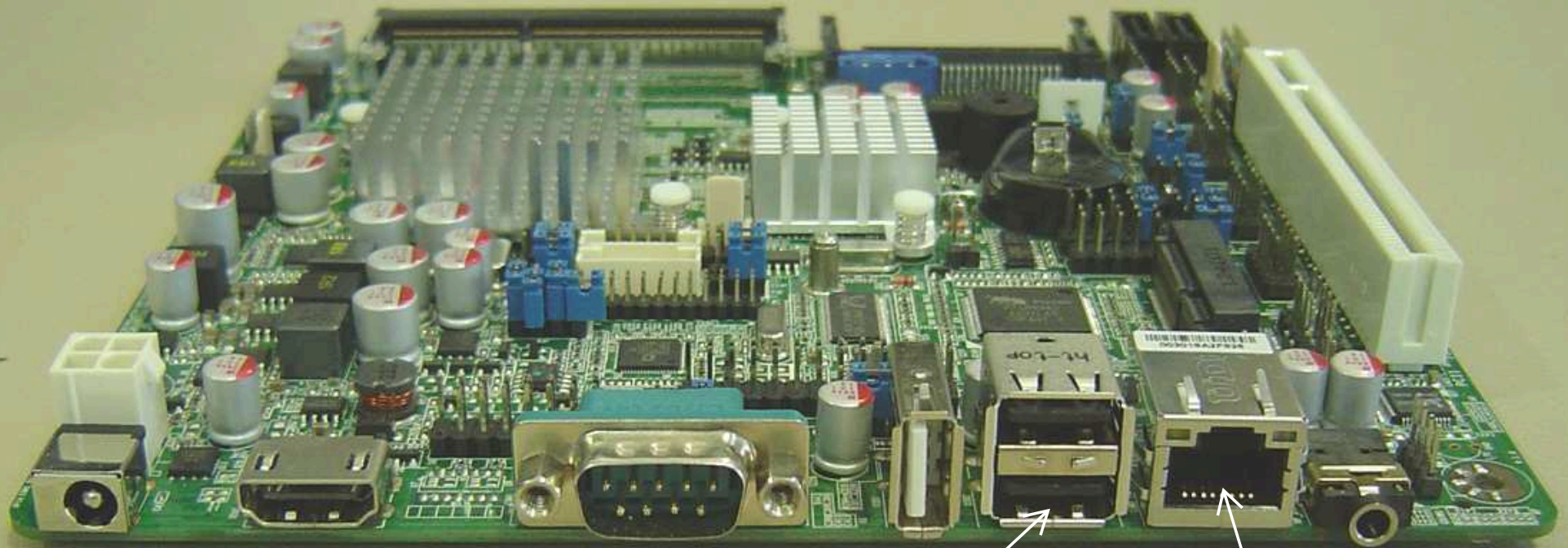
# PC BOARD CONNECTIONS



# PC BOARD CONNECTIONS ( CABLES P/N )



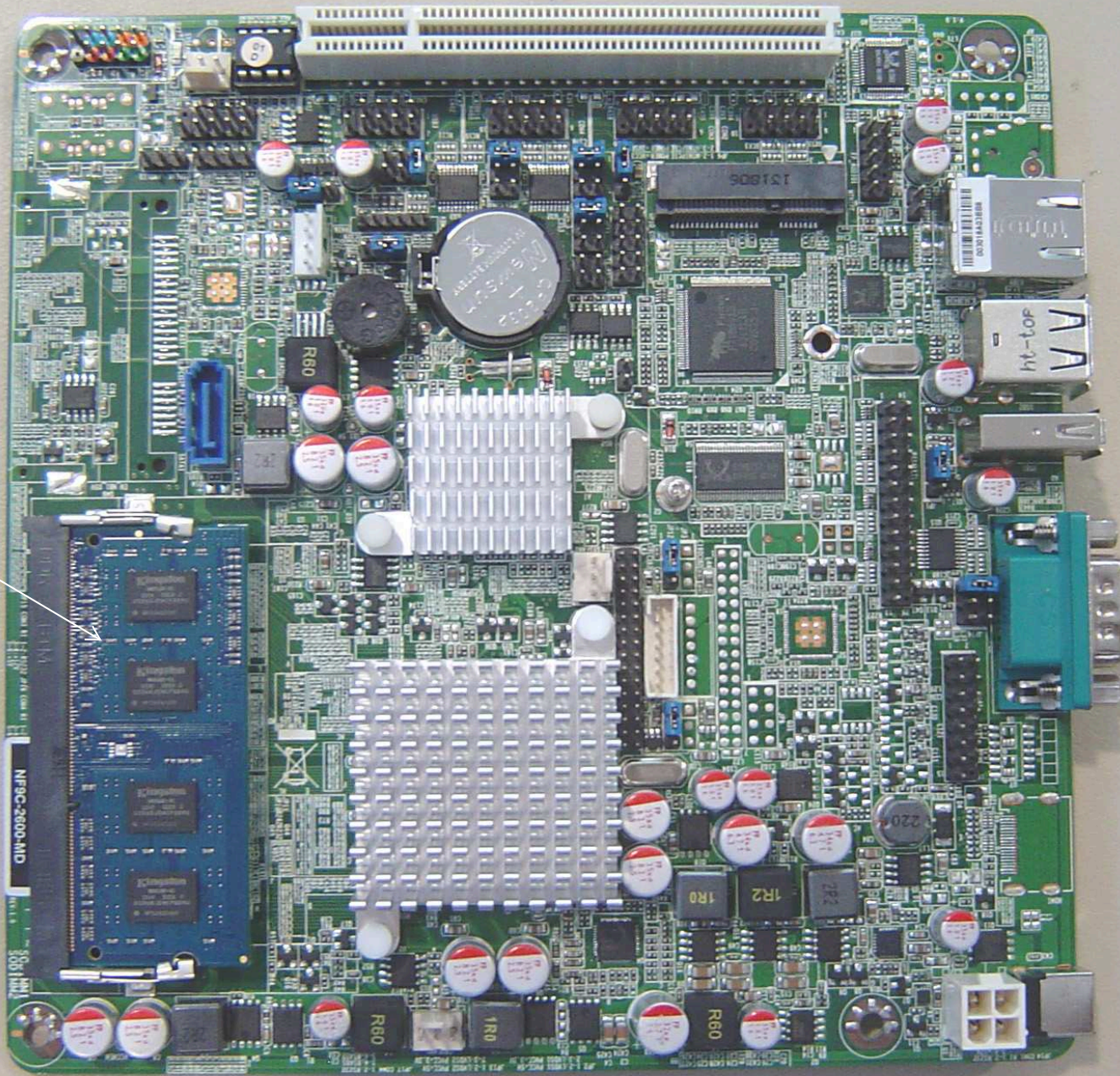
# PC BOARD CONNECTIONS



CABLE USB  
PRINTER P/N.-  
90114019

CABLE  
EXTERNAL  
RJ45 P/N.-  
90114001

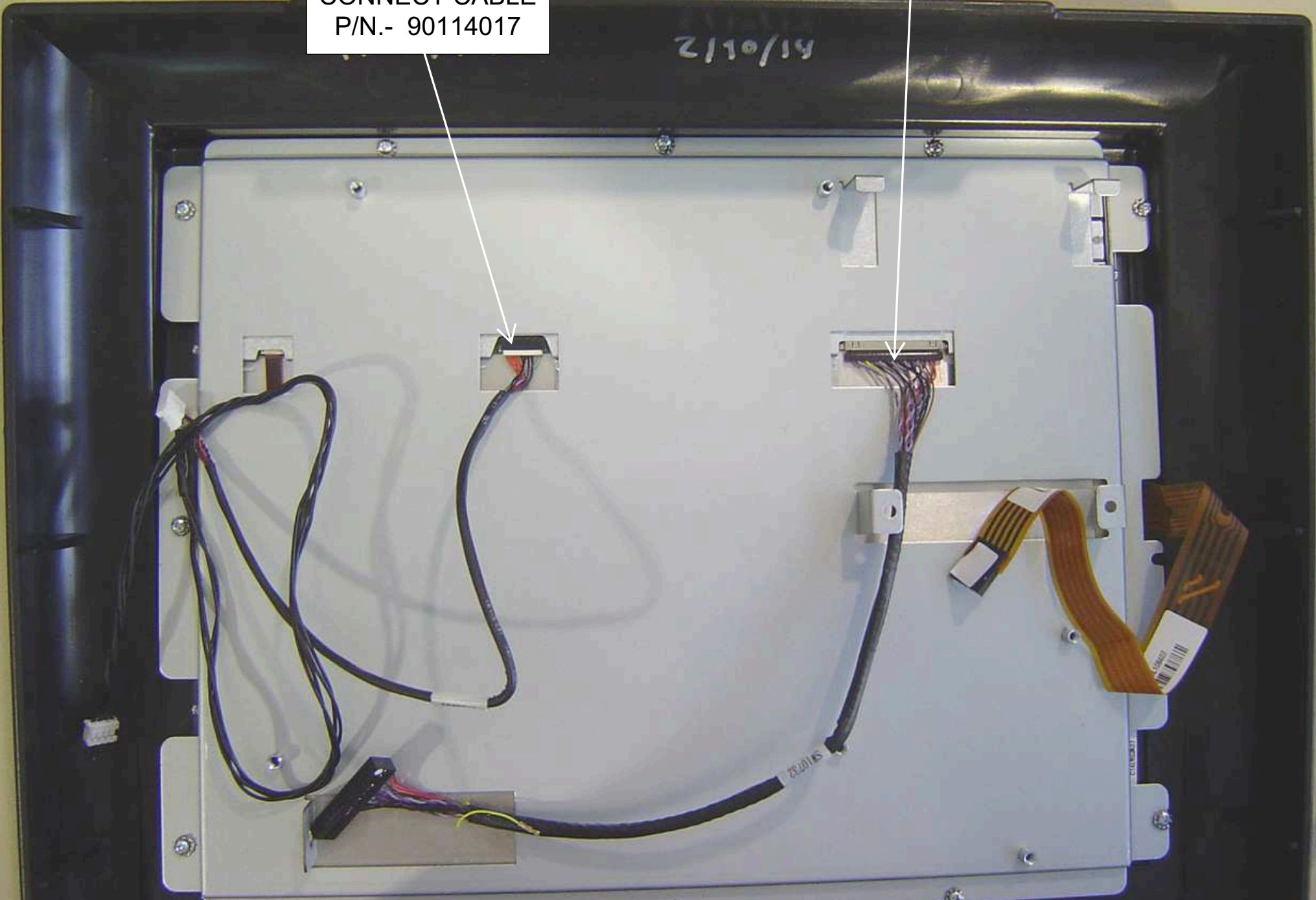
CONNECT MEMORY  
P/N.- 91008063



CONNECT CABLE  
P/N.- 90114017

CONNECT  
CABLE P/N.-  
90114008

2/10/12



CONNECT  
CABLE P/N.-  
90114017

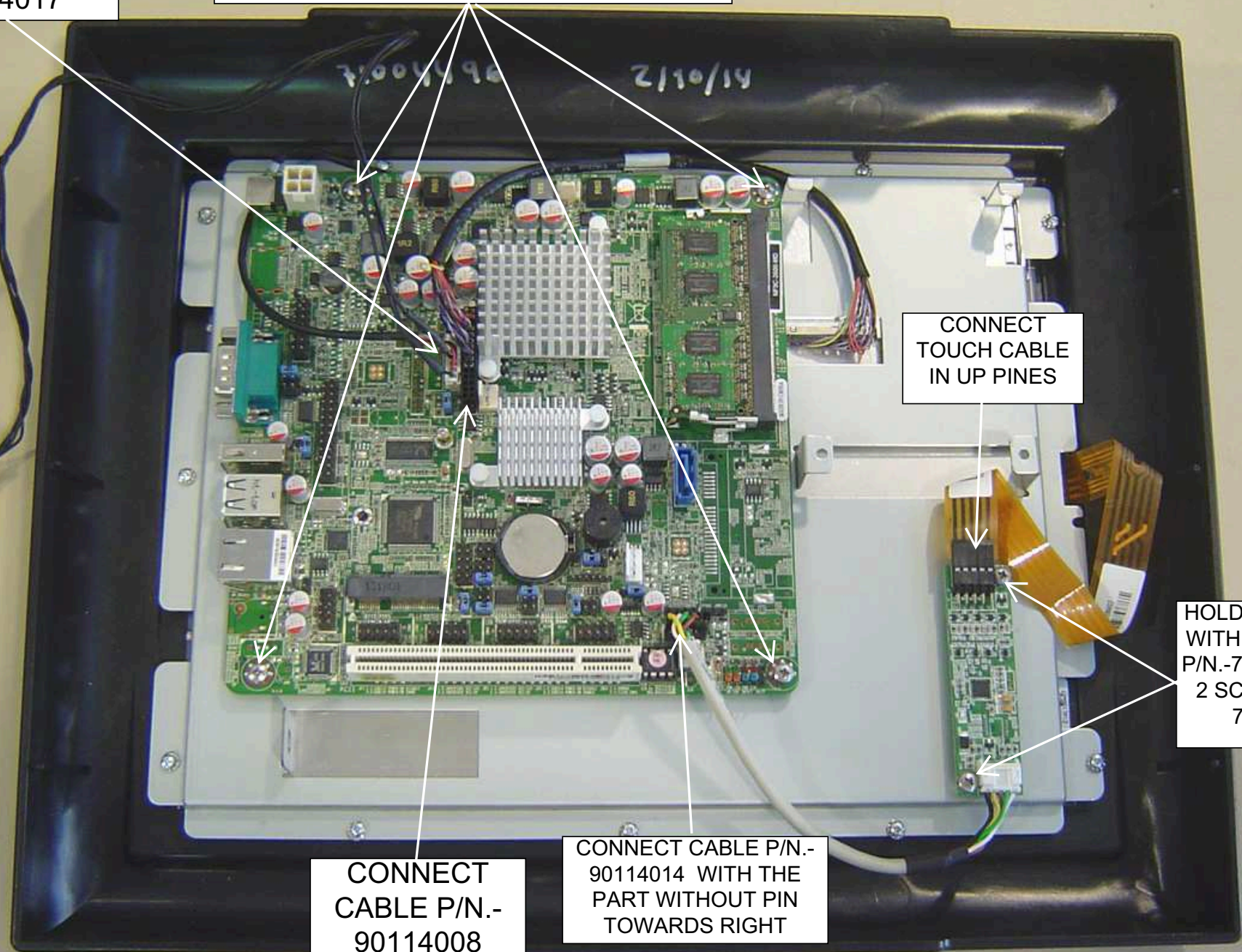
HOLD THE BOARD WITH 4  
WHASERS P/N.-73050004 AND 4  
SCREWS P/N.- 72031015

CONNECT  
TOUCH CABLE  
IN UP PINES

HOLD THE BOARD  
WITH 2 WHASERS  
P/N.-73050004 AND  
2 SCREWS P/N.-  
72031015

CONNECT  
CABLE P/N.-  
90114008

CONNECT CABLE P/N.-  
90114014 WITH THE  
PART WITHOUT PIN  
TOWARDS RIGHT





### 7.3.- ASSEMBLY HARD DISK AND EXTERNAL USB'S (COMPONENTS)

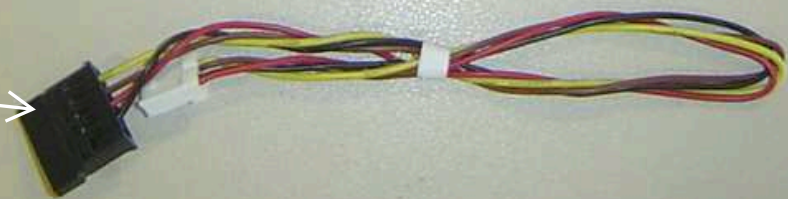
P/N.- 72031015 (2)  
P/N.- 73050004 (2)  
P/N.- 72054017 (4)

P/N.- 91008064  
(60 / 64 GB)

P/N.- 90114018

P/N.- 90113954

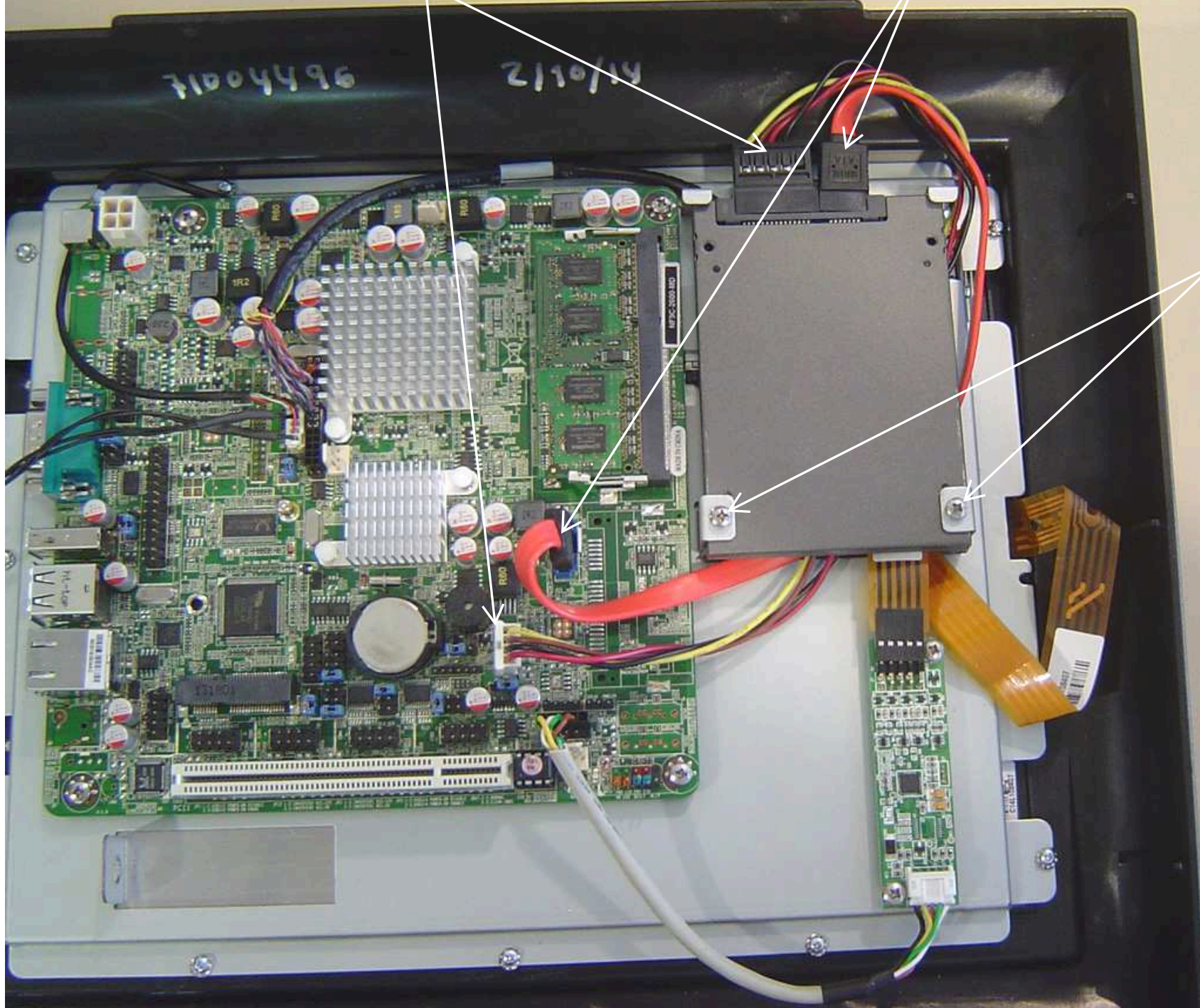
P/N.- 90113946



CONNECT THE  
CABLE P/N.-  
90113946

CONNECT THE  
SATA CABLE

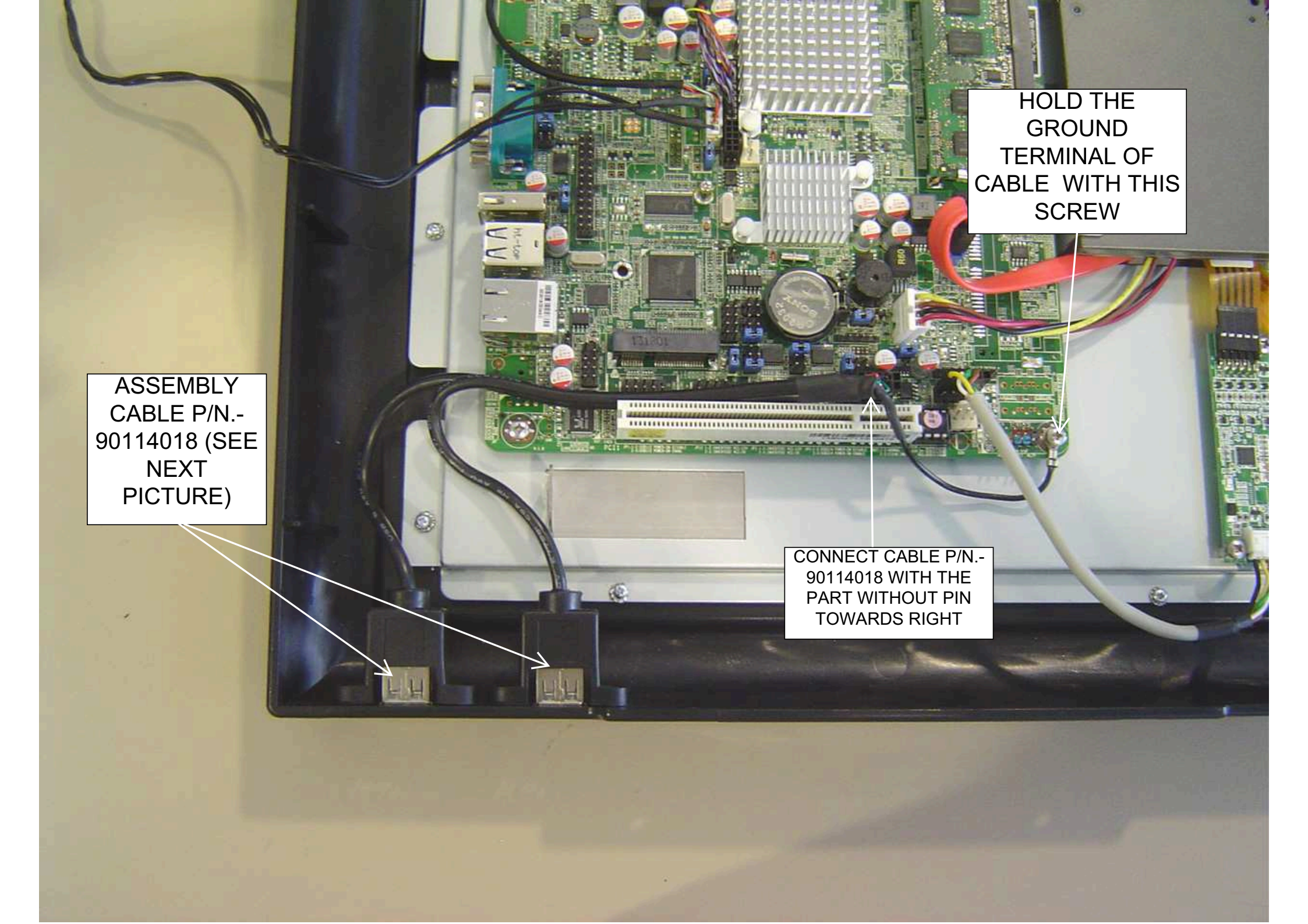
HOLD THE HARD  
DISK P/N.-  
91008064(60 / 64  
GB) WITH 2  
WHASERS P/N.-  
73050004 AND 2  
SCREWS P/N.-  
72031015

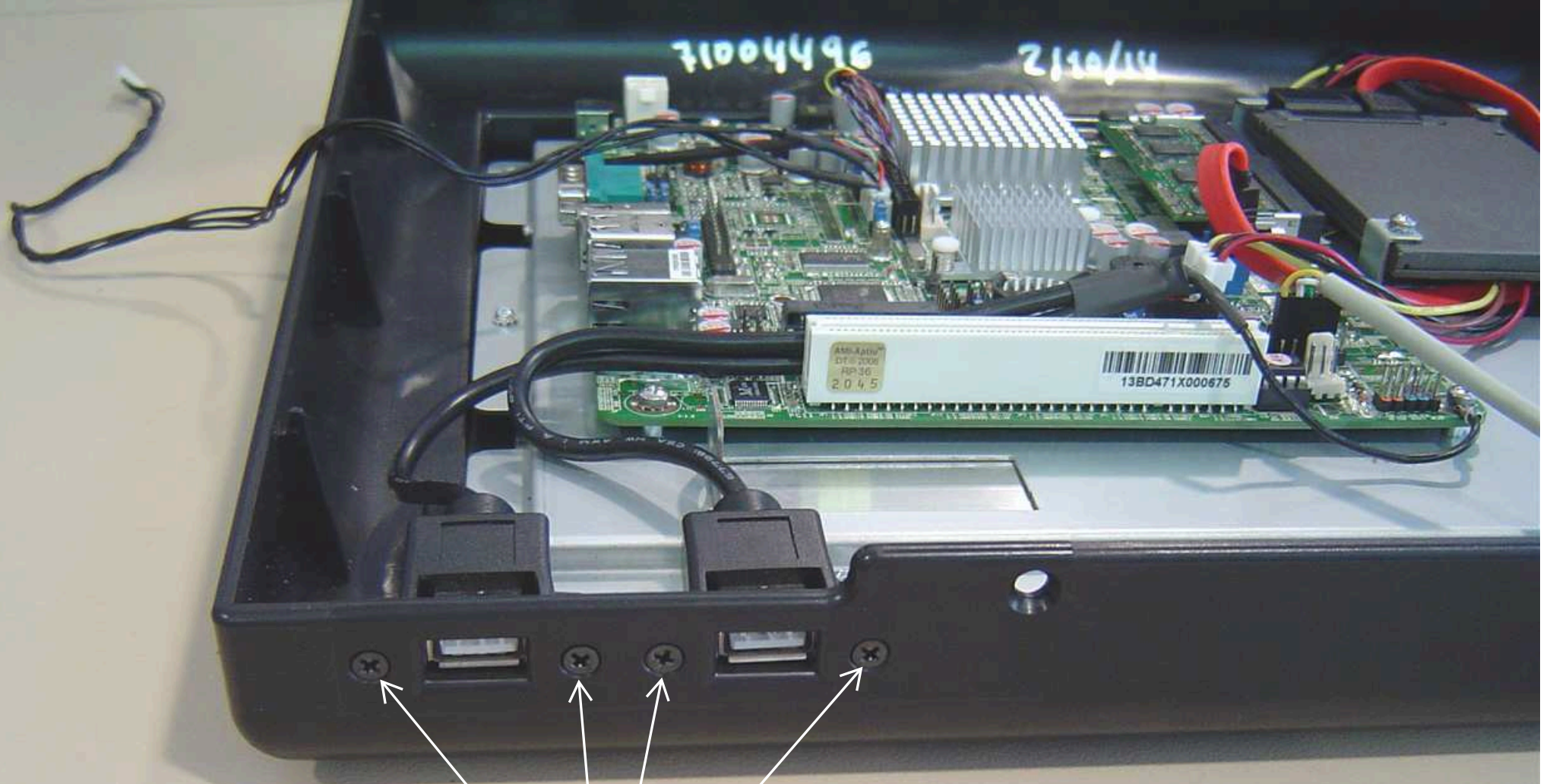


HOLD THE  
GROUND  
TERMINAL OF  
CABLE WITH THIS  
SCREW

ASSEMBLY  
CABLE P/N.-  
90114018 (SEE  
NEXT  
PICTURE)

CONNECT CABLE P/N.-  
90114018 WITH THE  
PART WITHOUT PIN  
TOWARDS RIGHT



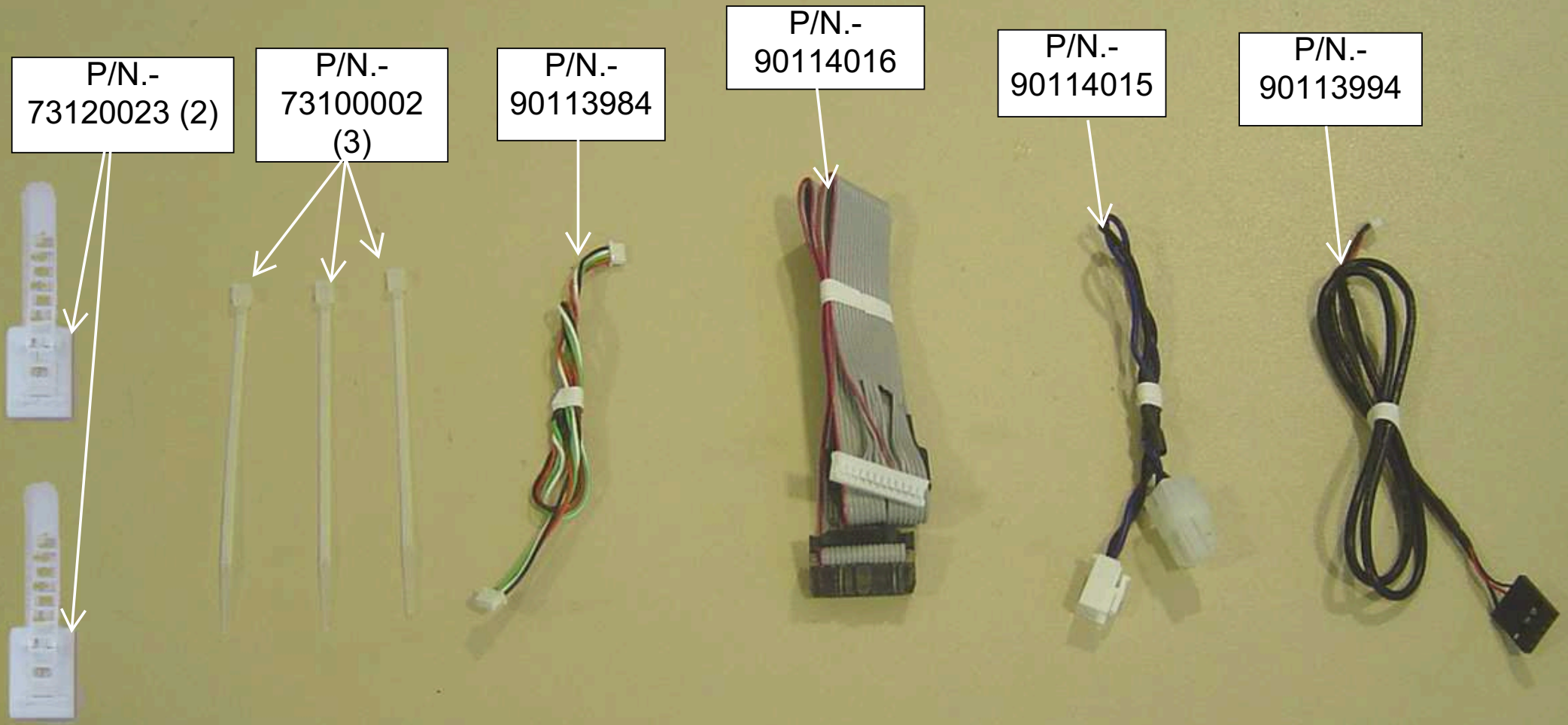


HOLD THE CABLE P/N.-  
90114018 WITH 4  
SCREWS P/N.-  
72054017

OVERVIEW

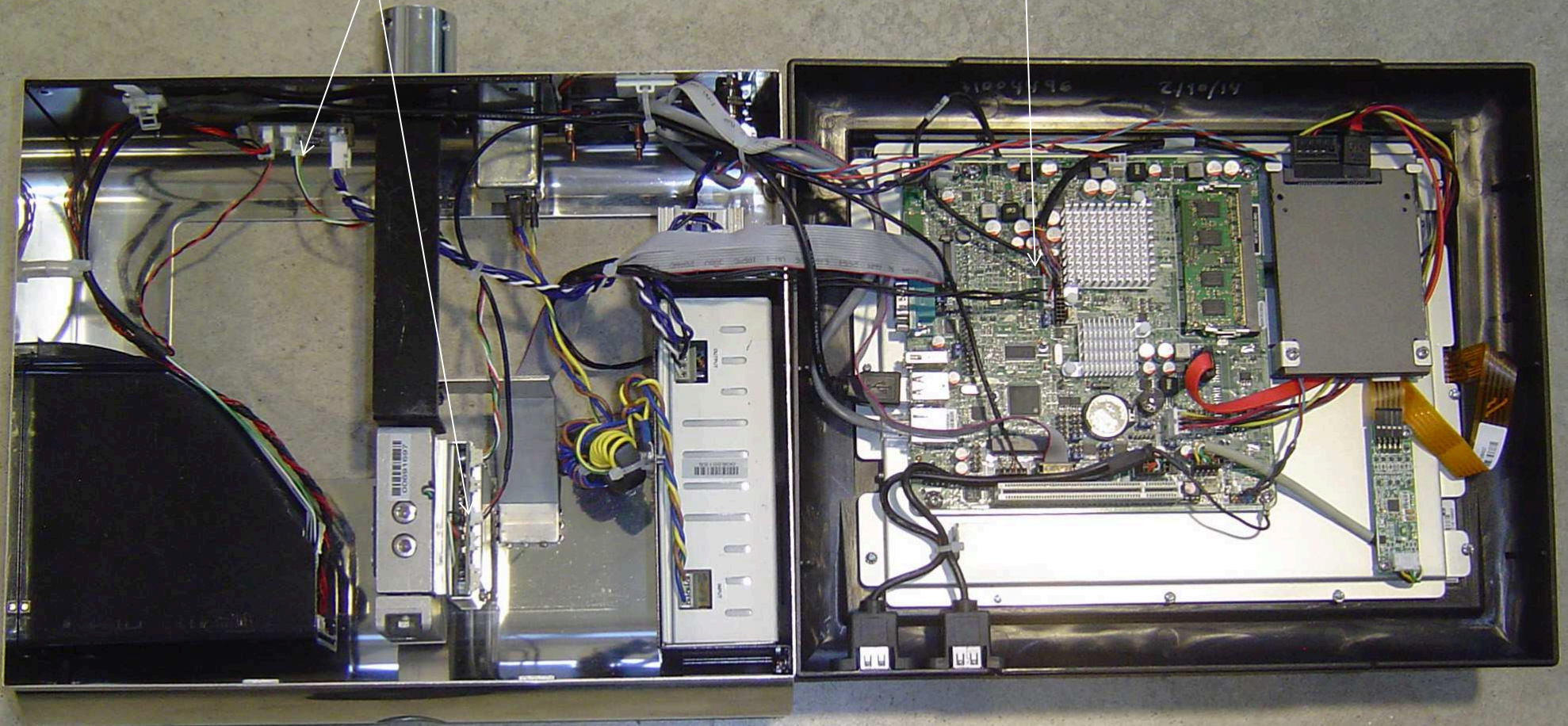


## 8.- CONNECTING CABLES BETWEEN HOUSING AND FRONT COVER. AFTER ASSEMBLY THEM (COMPONENTS )



CONNECT AND ATTACH CABLES (SEE NEXT PICTURES)

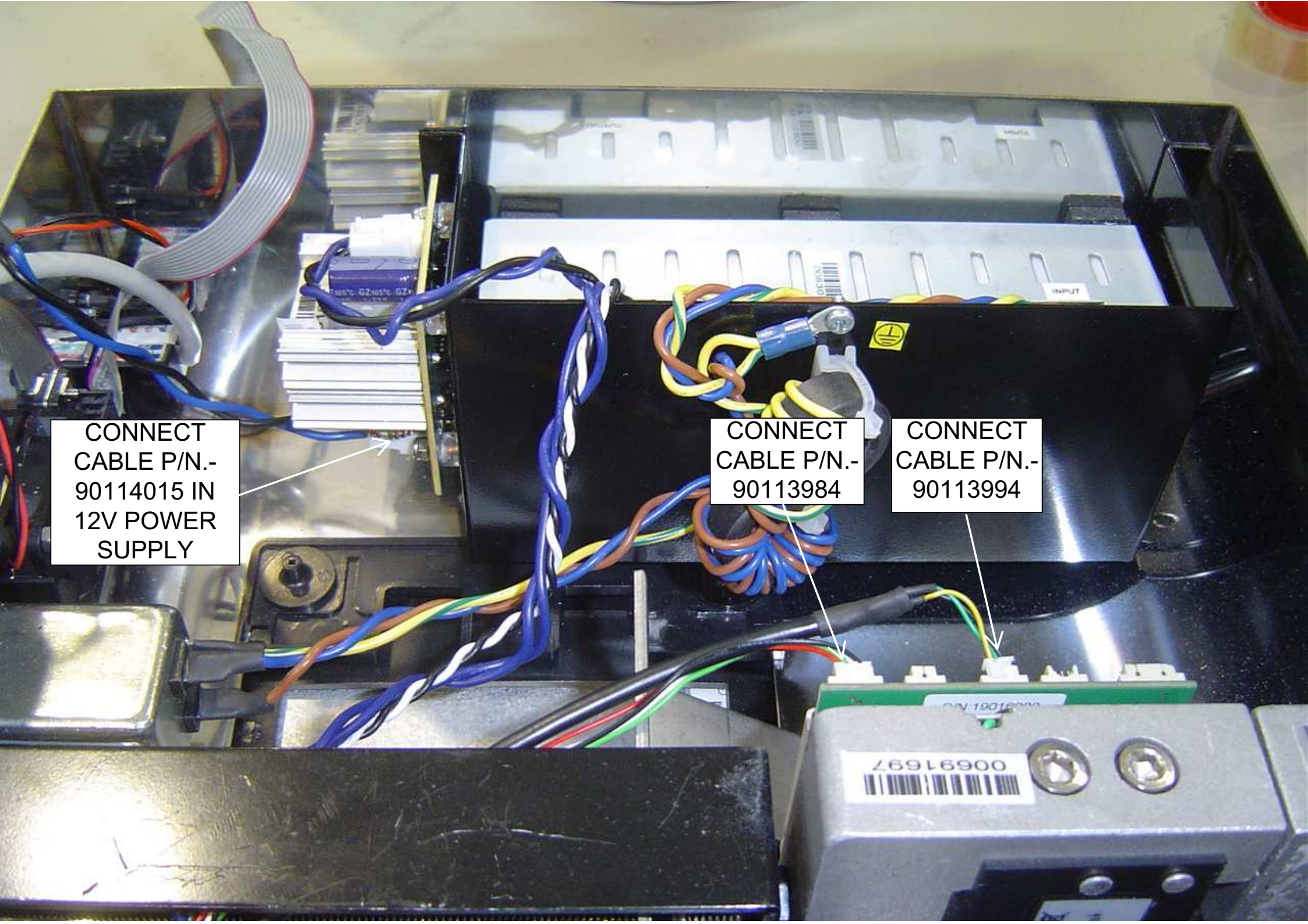
CONNECTING CABLES IN MAIN BOARD (SEE NEXT PICTURES)



CONNECT  
CABLE P/N.-  
90114015 IN  
12V POWER  
SUPPLY

CONNECT  
CABLE P/N.-  
90113984

CONNECT  
CABLE P/N.-  
90113994



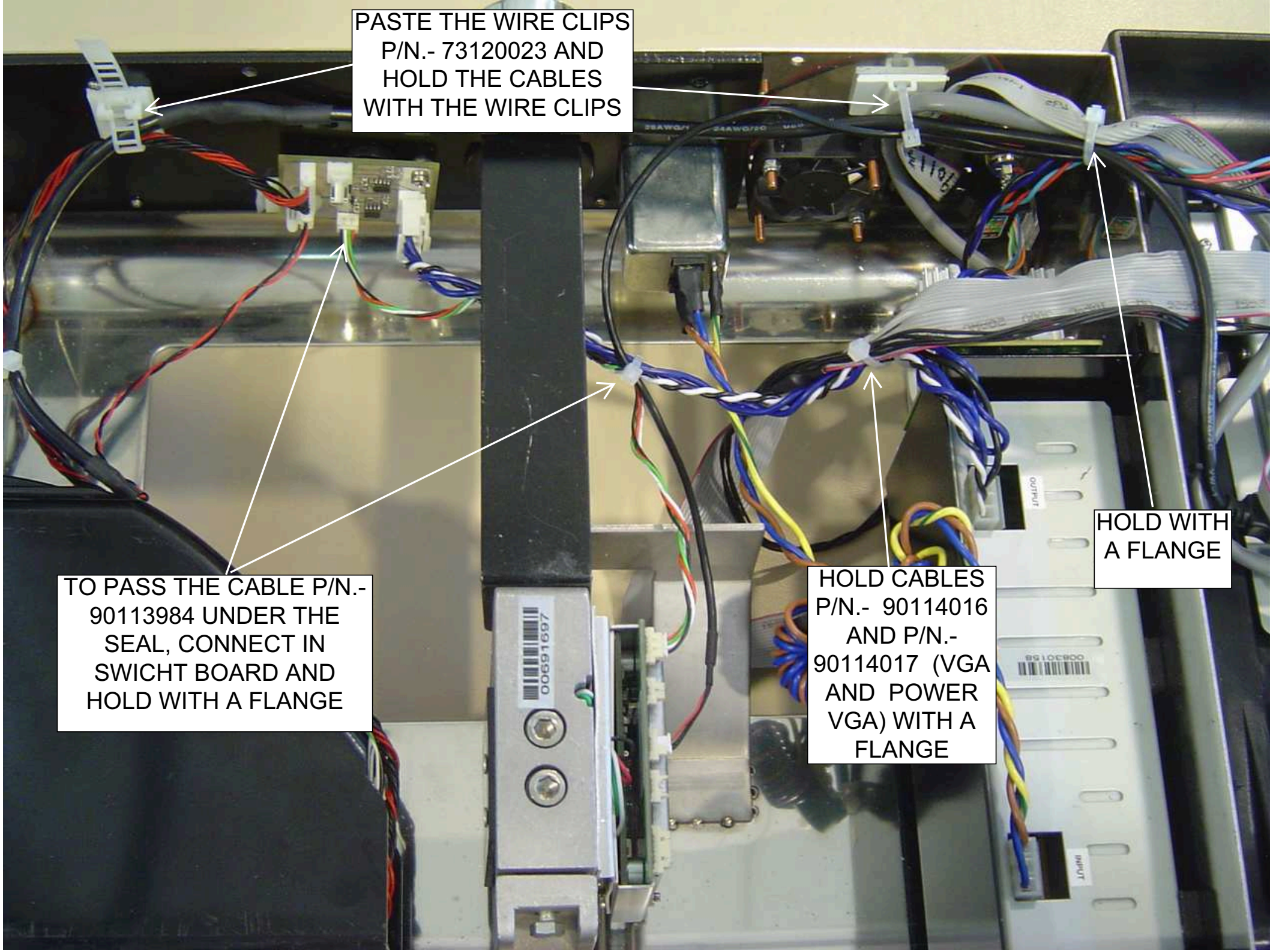


PASTE THE WIRE CLIPS  
P/N.- 73120023 AND  
HOLD THE CABLES  
WITH THE WIRE CLIPS

TO PASS THE CABLE P/N.-  
90113984 UNDER THE  
SEAL, CONNECT IN  
SWICHT BOARD AND  
HOLD WITH A FLANGE

HOLD CABLES  
P/N.- 90114016  
AND P/N.-  
90114017 (VGA  
AND POWER  
VGA) WITH A  
FLANGE

HOLD WITH  
A FLANGE



HOLD THE CABLES WITH A FLANGE

CONNECT CABLE 90114015

CONNECT FAN CABLE

2104496 2/10/14

CONNECT CABLE P/N.- 90114016

RED LINE

PASS THE PUSH CABLE DOWN HARD DISK AN CONNECT IN RED PINS

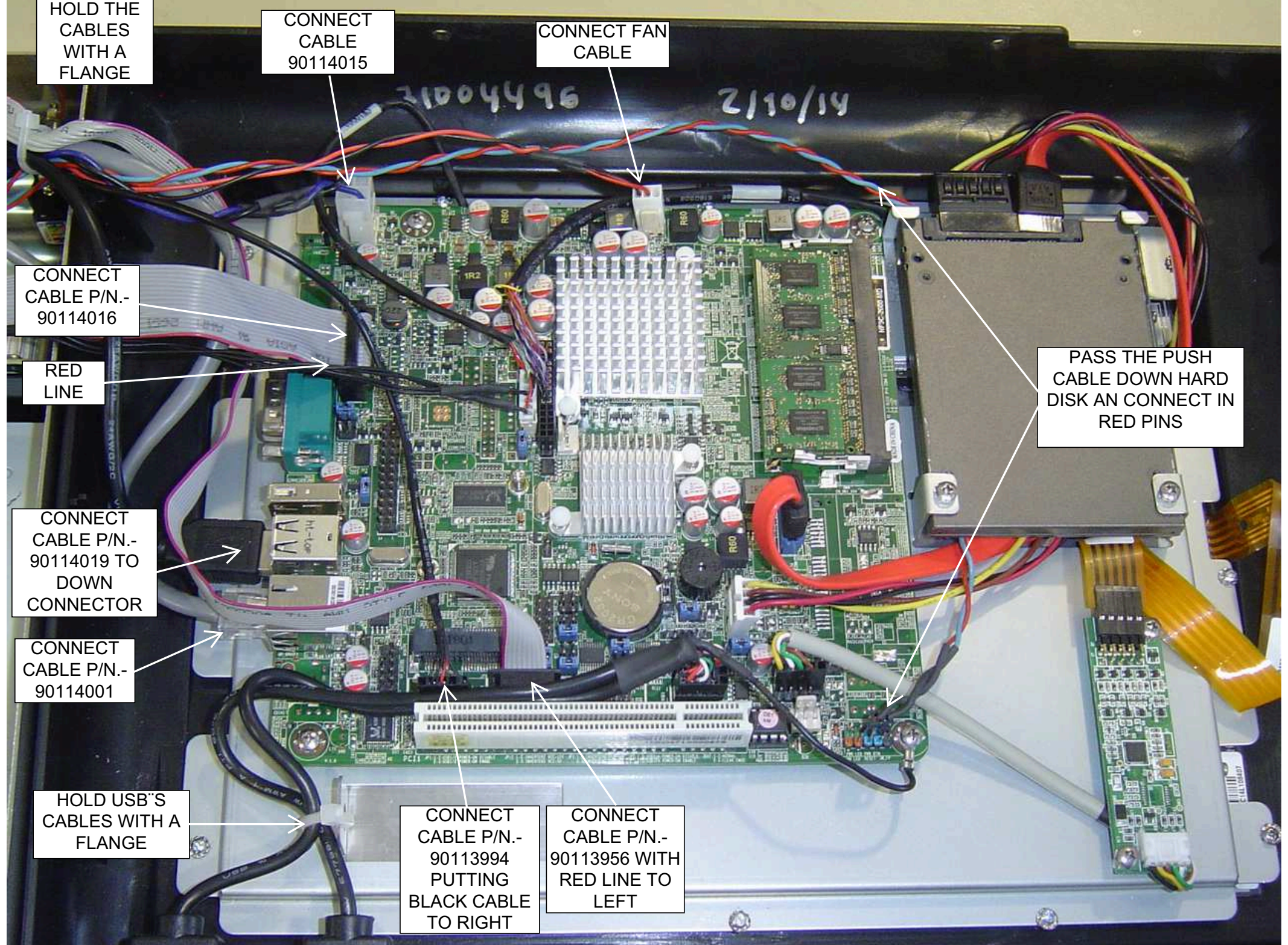
CONNECT CABLE P/N.- 90114019 TO DOWN CONNECTOR

CONNECT CABLE P/N.- 90114001

HOLD USB'S CABLES WITH A FLANGE

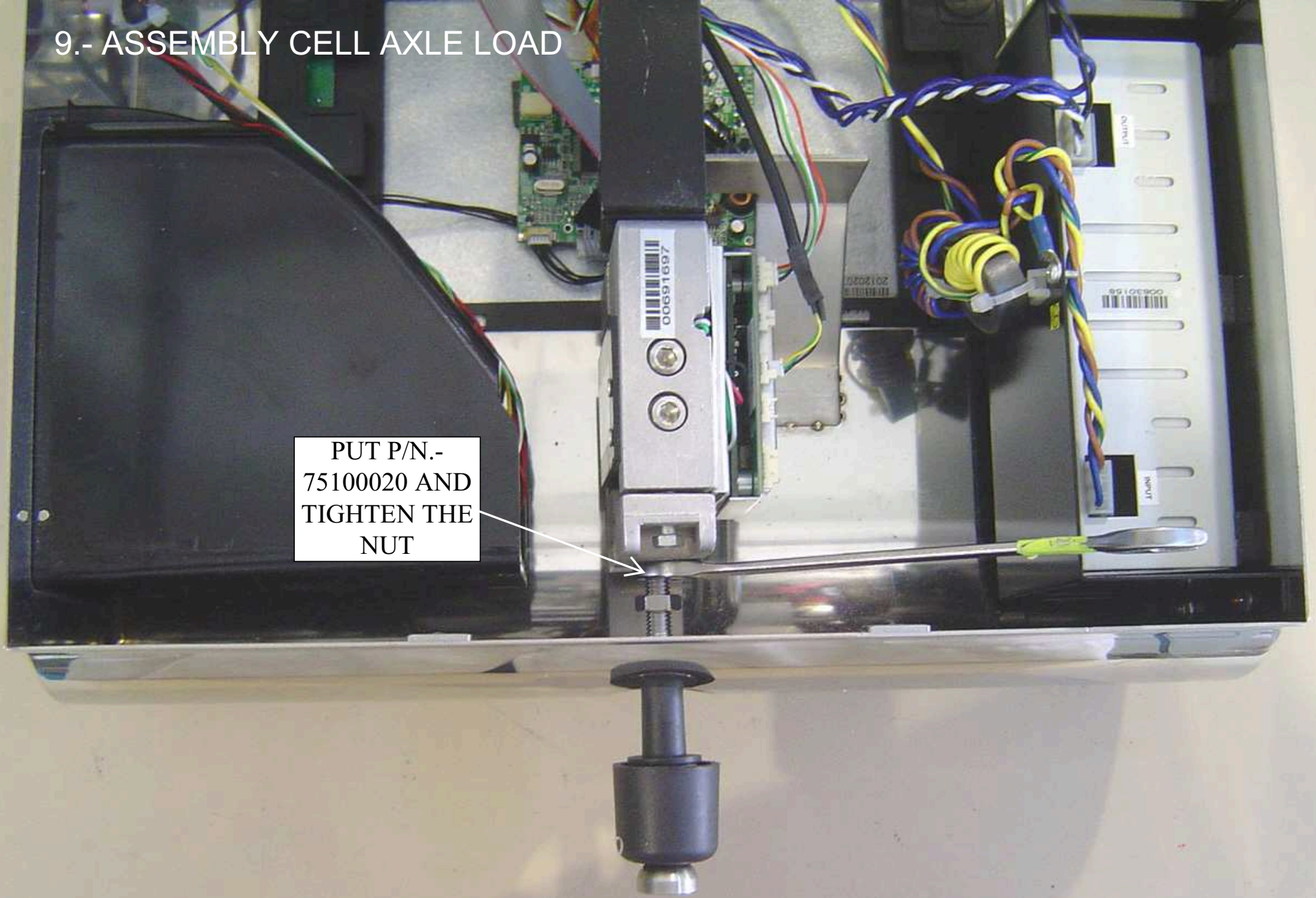
CONNECT CABLE P/N.- 90113994 PUTTING BLACK CABLE TO RIGHT

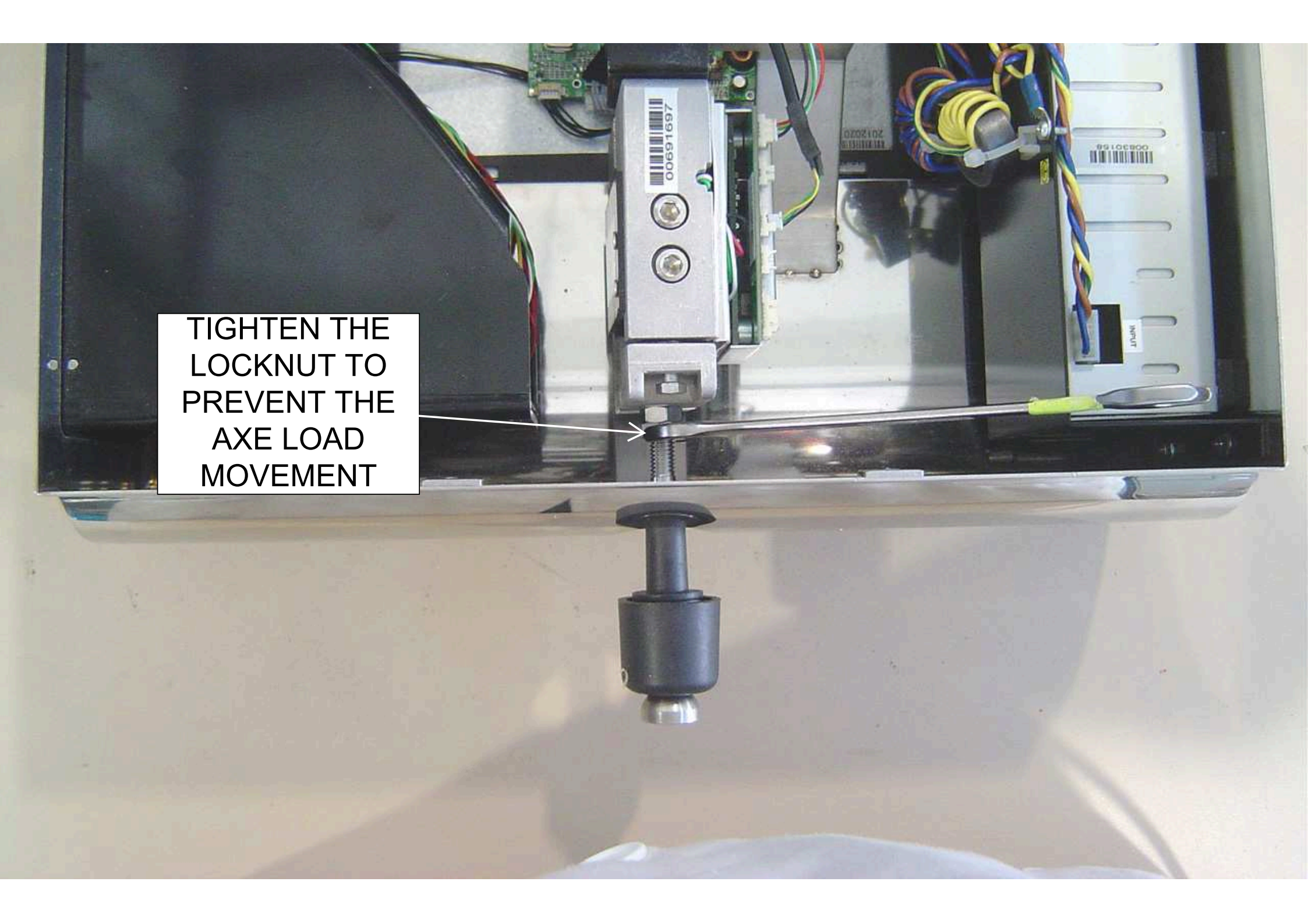
CONNECT CABLE P/N.- 90113956 WITH RED LINE TO LEFT



# 9.- ASSEMBLY CELL AXLE LOAD

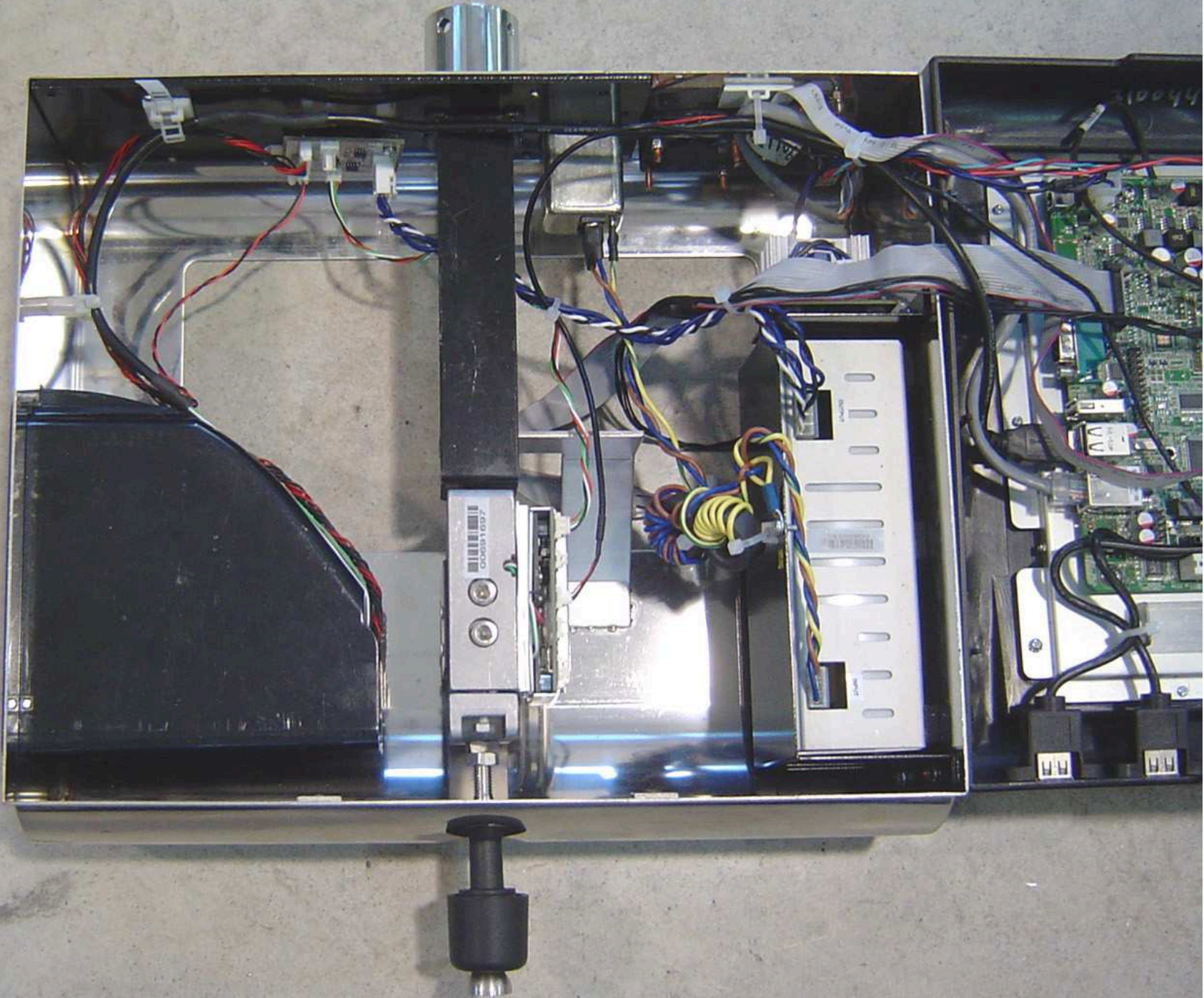
PUT P/N.-  
75100020 AND  
TIGHTEN THE  
NUT





TIGHTEN THE  
LOCKNUT TO  
PREVENT THE  
AXE LOAD  
MOVEMENT

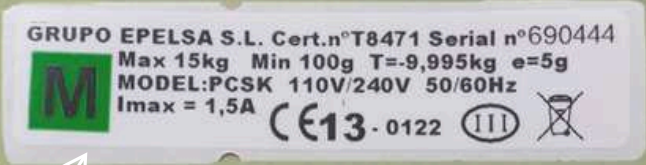
OVERVIEW



# 10.- ASSEMBLY COVERS AND FINISH (COMPONENTS)

PLIERS  
FOR  
SEALING

P/N.-  
70000868



P/N.-  
70010337



PLASTIC  
SEAL P/N.-  
79000016

P/N.-  
79001008



SEAL CABLE  
P/N.- 79500137  
(100mm)





PUT THE COVER  
ON HOUSING AND  
HOLD WITH  
SREWS P/N.-  
72054038



PUT THE COVER ON  
HOUSING AND HOLD  
WITH SCREWS P/N.-  
72054038

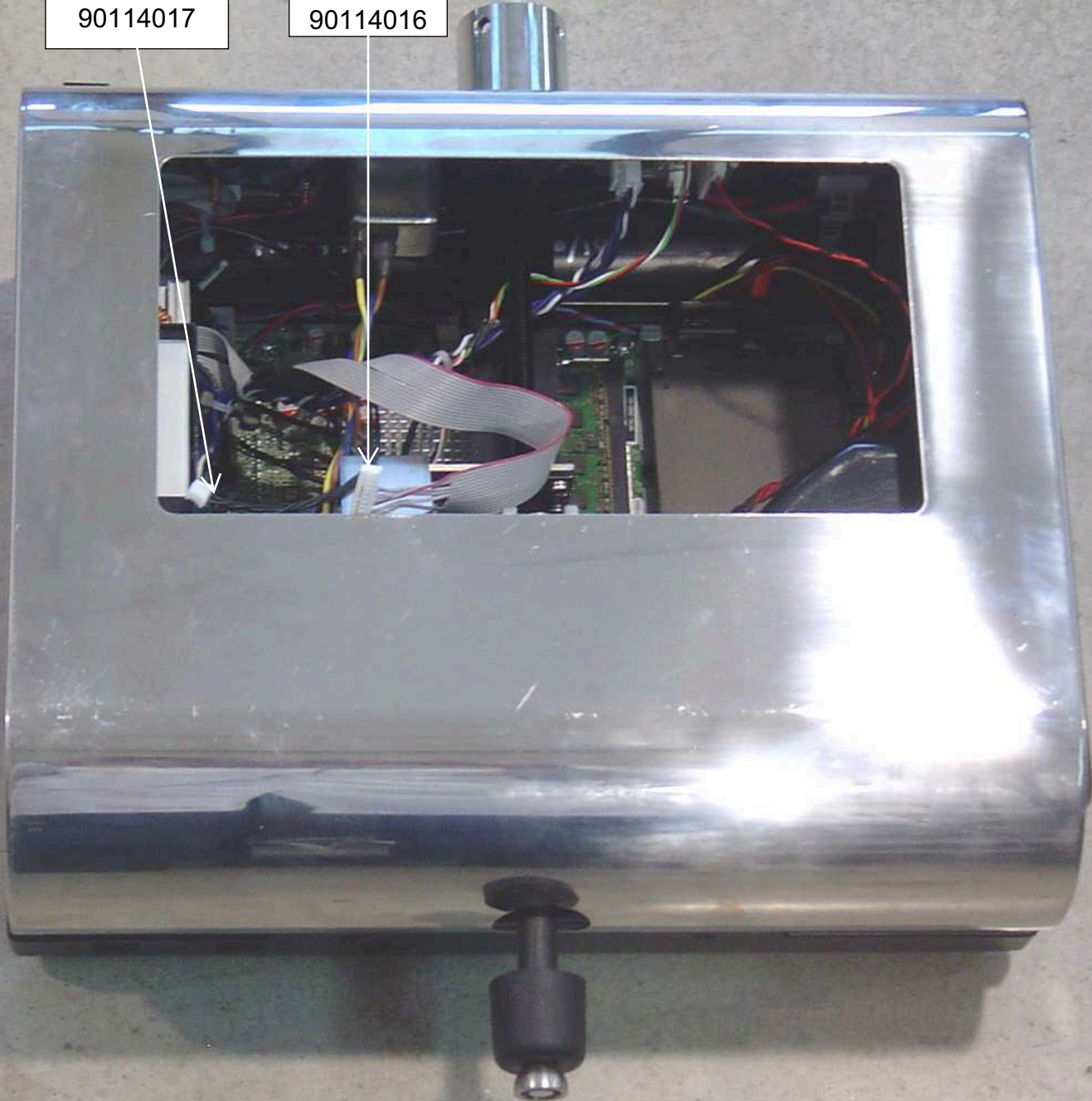




BACK VIEW


CABLE P/N.-  
90114017

VGA CABLE  
P/N.-  
90114016



PUT THERMAL  
PAPER ROLL IN  
PRINTER





GRUPO EPELSA S.L. Cert.n°T8471 Serial n°690444  
Max 15kg Min 100g T=-9,995kg e=5g  
MODEL:PCSK 110V/240V 50/60Hz  
Imax = 1,5A

CE13-0122 (11) X

PASTE THE NAME  
PLATE P/N.- 70010337  
AND PASTE UP THE  
PROTECTOR P/N.-  
70000868

Max 15kg Min 100g e= 5g Venta.admin

kg €/kg

0,000 00,00 0000,00

0 Introducir precio

T1 T2 T3 T4 Q MODE

21/10/14 07:18:04  
Nº 2 0.00.0

214	237	906	43	13
21	231	42	43	69
49	54	56	10	225
230	182	186	39	1
237	231	49	44	44

Almudena  
Antonio  
Sara  
Raquel

7 8 9 ESC  
4 5 6 X  
1 2 3  
0

