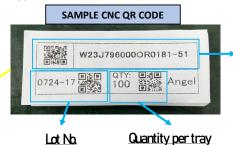
Process Name/ Title: Document No: WI-PRO-COM-025 **Production Material Handling** WORK INSTRUCTION Effective Date: August 30, 2024 Product Code/Name: Customer Code: Page No.: 1 of 11 Rev. No.: ALL ALL Records/Remarks/ Work Procedure/ Illustration **Quality Pointers** A. CNC parts kitting in Warehouse (LEVERCON) Check daily plan then request ID tag to Leader. 1.Make sure to check all planned 1 models and its quantity. Get the needed parts to CNC line then move to CNC parts warehouse. **SAMPLE CNC TAG** J924000GR0179-51Y 17J924-7051Y 1.Getting of parts must be in FIFO order based on lot number. 3000 2. Always conduct checking of CNC ID tag. 3.Make sure CNC parts was already inspected by QC inspector. 2 PRODUCT NAME CODE DETAILS 4. Follow maximum limit of box in the skateboard, 8 boxes. W 26 J924 000 GR 0179 -51Y 5. Follow safety guidelines on using THE <u>LENGTH</u> OF WIRE of NBP skatebords.(Refer: GL-ENG-**COLOR** OF WIRE (GR = GRAY) ERT-007 Proper Use of NBP NO. TO COMPLETE THE CODE Skateboards) THE **Product No.** or model IS THE **NO. OF WIRE COMBINATION CNC WAREHOUSE RECEIVING** STANDS FOR WIRE **CNC LINE (AFTER INSPECTION) AREA** Scan CNC tag to receive then put black mark in the ID tag as reference that it was already scan. Refer to WI-PRO-COM-026 for the scanning procedure. 1.Make sure that declared location was correct. **SCANNED MARK** 3 2.Conduct double checking of ID (KITTING tag versus scanned ID number ALREADY SCAN) appearing in the monitor. Check parts if already complete using bin card, put check upon verifying actual versus ID tag. 17J924-7051 (BOX 2) 1. Check properly ID tag content 4 and actual parts. Put QR code in every bundle of the wires SAMPLE CNC QR CODE 1. No missing QR code



5



2. No wrong QR code

Product Name Code

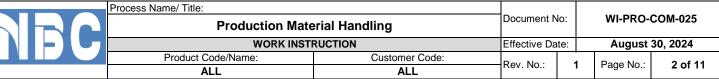
3.No double QR code per tray

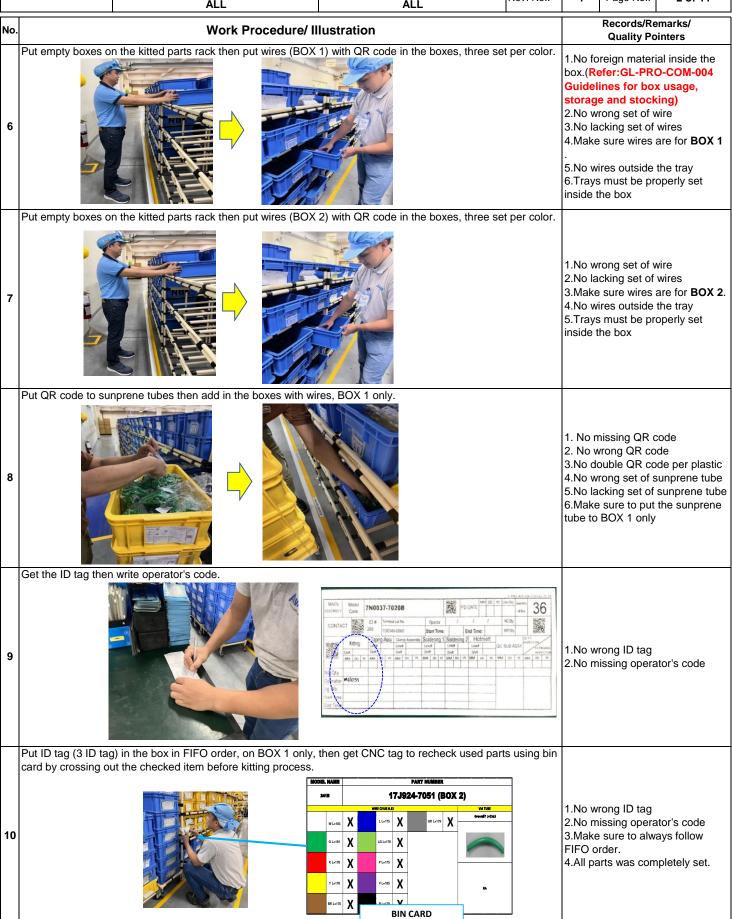
4.Always check QR code content (wire color) if tally to actual parts inside the box.

						Prepare	Check	Approve
						\bigcirc	_	
08/30/2024	1	Update process flow of material handler.	C.Recto	C.Calayan	W.Carbillon	1 The	(a) hunt	(massh
05/08/2024	0	New Work I of Production Material Handling	C. Javier	M.Cruzat	O. Merin	¢.Recto	C.Calayan	W.Carbillon
Eff./Rev. Date	Rev. No.	Details of change	Revise	Check	Approve	Est. date:	May 08,	2023

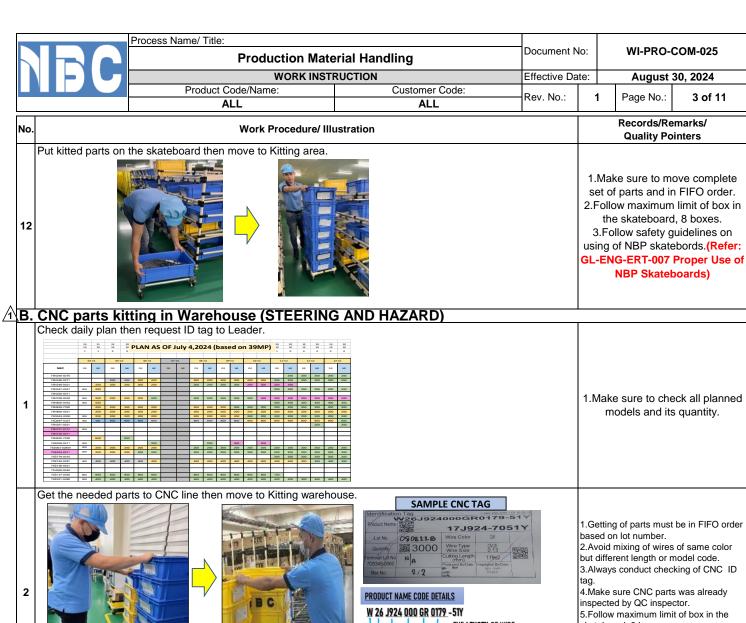
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CNC LINE (AFTER INSPECTION)



CNC WAREHOUSE RECEIVING AREA

THE **LENGTH** OF WIRE COLOR OF WIRE (GR = GRAY) NO. TO COMPLETE THE CODE THE **Product No.** or model IS THE **NO. OF WIRE COMBINATION** STANDS FOR WIRE

skateboard, 8 boxes. 6.Follow safety guidelines on using of

NBP skatebords. (Refer: GL-ENG-ERT-007 Proper Use of NBP Skateboards)

Scan CNC tag to receive. Refer to WI-PRO-COM-026 for the scanning procedure.



3

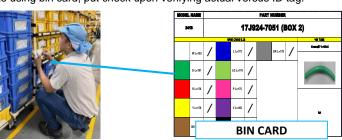
4

SCANNED MARK (KITTING ALREADY SCAN)



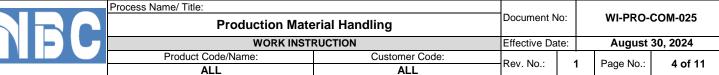
1.Make sure that declared location was correct. 2.Conduct double checking of ID tag versus scanned ID number appearing in the monitor.

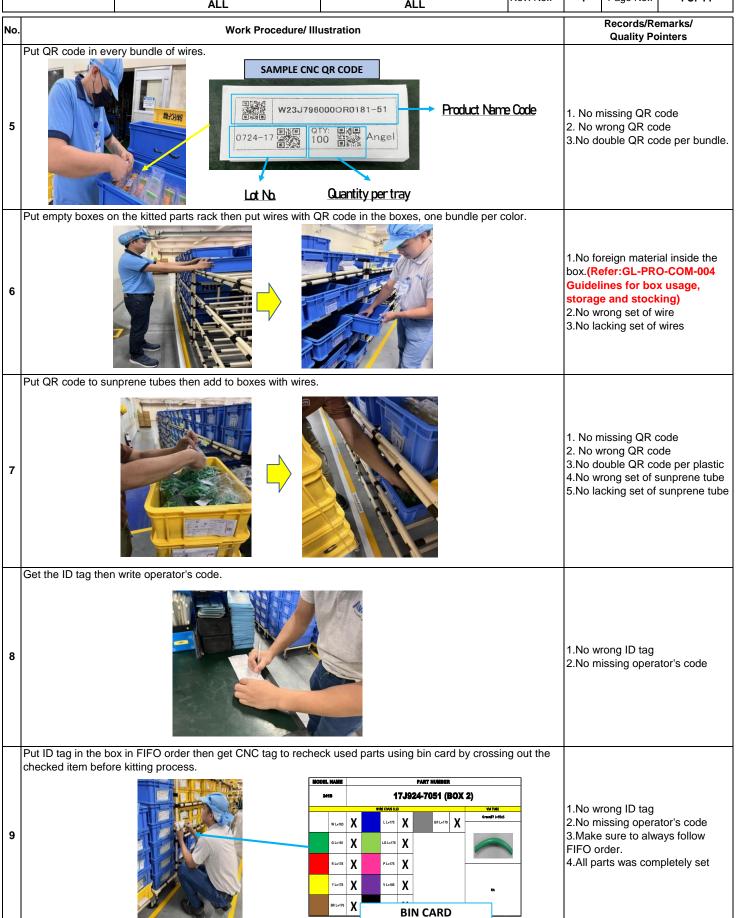
Check parts if already complete using bin card, put check upon verifying actual versus ID tag.



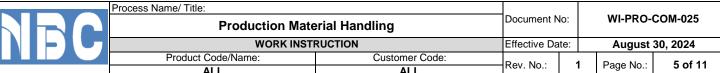
1.Check properly ID tag content and actual parts.

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ALL ALL Records/Remarks/ No Work Procedure/ Illustration **Quality Pointers** Put kitted parts on the skateboard then move to Kitting area. 1.Make sure to move complete set of parts and in FIFO order. 2.Follow maximum limit of box in the skateboard, 8 boxes. 10 3. Follow safety guidelines on using of NBP skatebords.(Refer: GL-ENG-ERT-007 Proper Use of **NBP Skateboards)**

AC. CNC parts transferring and locating in Warehouse (SEATBELT)

Check parts needed based on daily plan.

1

2

3



1.Make sure to check all planned models.

Check the availability of needed parts in CNC line then pull-out to transfer in Kitting warehouse area.





SAMPLE CNC TAG

STANDS FOR WIRE

1. Always update the availability of the parts.

Updating time:

>07:30 am/pm

>10:00 am/pm

>01:00am/pm

>04:30 am/pm

2.Follow maximum limit of box in the skateboard, 8 boxes.

3. Follow safety guidelines on using of NBP skatebords.(Refer: GL-ENG-ERT-007 Proper Use of **NBP Skateboards**)

a.If planned models have no available parts, check if there were plan in CNC (shutter rack) then put "Priority Tag" in the CNC tag.

AREA

b.If planned models have no available parts and no plan in CNC line(shutter rack), report to Leader for verification of request.

CNC SHUTTER RACK





1.Conduct verification on Kitting Leaders before proceed on requesting of CNC tag.

Scan CNC tag to receive. For wires with terminal 7D0349-0060 put terminal expiration label. Refer to WI-PRO-COM-026 for the scanning procedure.





SCANNED MARK (KITTING ALREADY SCAN)



1.Make sure that declared location was correct. 2.Conduct double checking of ID tag versus scanned ID number appearing in the monitor.

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6

1

2

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Quality Pointers

Move the CNC parts to Kitting warehous area then locate to loose parts rack, if already with parts in the rack ,put or locate on the overflow rack.





Always put danpla cover on the upper layer of the boxes with parts to avoid accumulation of dust or any foreign materials.

1.Make sure no missing CNC tag during locating of parts

- 2. Always check CNC tag content.
- 3.Follow maximum limit of box in the skateboard, 8 boxes.
 4.Follow safety guidelines on using of NBP skatebords.(Refer:

GL-ENG-ERT-007 Proper Use of NBP Skateboards)

Collect empty boxes, civus tray and empty plastic then issue to CNC line.

ALL





 Make sure all boxes, tray and empty plastic has no foreign material inside.

Conduct checking of loose parts rack then refill parts from CNC warehouse rack.





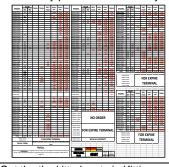
1.Make sure no missing CNC tag during transferring of parts
2. Always check CNC tag content.
3.Follow maximum limit of box in the skateboard, 8 boxes.
4.Follow safety guidelines on using of NBP skatebords.(Refer:

GL-ENG-ERT-007 Proper Use of

NBP Skateboards)

⚠D. Kitted parts transferring and locating to operators working area (SEATBELT)

Check daily plan to sub-assembly Leaders versus kitted parts.



- 1.Make sure to check all models with plan and number of lines to be run.
- 2.Always update sub-assembly Leaders on parts status of planned models.

Get the the kitted parts in Kitting area then request to scan.







FIFO order.

2.Follow maximum limit of box in the skateboard, 8 boxes.

3.Follow safety guidelines on using of NBP skatebords.(Refer: GL-ENG-ERT-007 Proper Use of NBP Skateboards)

1.Make sure to move parts in

4.Always update sub-assembly Leaders on parts status of planned models.

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Check the ID tag if already with scanned mark then move to the designated location (offline insertion, sakimelt area or atomelt area).



SCANNED MARK (SA ALREADY SCAN)



MODEL TYPE	ALLOWABLE BUFFER						
Seatbelt SAKI	4 BOX						
Seatbelt ATO	4 BOX						
Seatbelt ATO (small)	2 BOX						

1.Make sure to issue correct model in running line, always conduct verification of ID tag.
2.Follow maximum limit of box in the skateboard, 8 boxes.
3.Follow safety guidelines on using of NBP skatebords.(Refer: GL-ENG-ERT-007 Proper Use of NBP Skateboards)

Collect empty tray, empty plastic, and rubber band in the sub assembly line then terminal cover, empty boxes and labels to backend area.

4

3





1.Make sure all tray and empty plastic has no foreign material or remaining parts inside.

$\underline{\mathbb{A}}$ E. Kitted parts transferring and locating to operators working area (SEATBELT)

Check line set-up then parts availability to pre-assembly buffer area.





Make sure to check all models set-up by Leaders to be run.
 Always update sub-assembly Leaders on parts status of planned models.

Get the pre-assembly WIP in line or WIP area then issue to clamp assembly line.

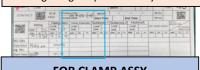






NOTE:

Check first the condition of ID tag before getting the pre-assembly WIP.



FOR CLAMP ASSY
(NO SLASH ON CLAMP ASSEMBLY AREA)

- 1.Follow maximum limit of box in the skateboard, 8 boxes. 2.Follow safety guidelines on using of NBP skatebords.(Refer: GL-ENG-ERT-007 Proper Use of NBP Skateboards)
- 3.Make sure to issue correct model in running line, always conduct verification of ID tag.

F. Kitted parts transferring and locating to operators working area (STEERING/LEVRERCON/HAZARD)

Check line set-up, allocation of model per line.



- 1.Make sure to check all models with plan and number of lines to be run.
- 2.Always update sub-assembly Leaders on parts status of planned models.

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Get blue empty box and plastic then issue per line (for LEVERCON and HAZARD only)





1.No foreign material inside the box.

Get the the kitted parts in Kitting area then locate in lines to be run.



No

2





1.Always check ID tag content for correct delivery in line. 2.Always update sub-assembly Leaders on parts status of planned models.

After assembly, move assy parts to inspection line.(steering only)







1.Follow maximum limit of box in the skateboard. 8 boxes. 2.Follow safety guidelines on using of NBP skatebords.(Refer: **GL-ENG-ERT-007 Proper Use of NBP Skateboards)**

Scan the assy parts then move to QC inspection area.











1.Always check ID tag content for correct delivery in line. 2.Follow maximum limit of box in the skateboard, 8 boxes. 3.Follow safety guidelines on using of NBP skatebords.(Refer: **GL-ENG-ERT-007 Proper Use of NBP Skateboards**)

Get the empty pushcart every after finish (for LEVERCON and STEERING only).







1.Check if no remaining parts inside the pushcart.

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No.

Tape request and issuance. Check remaining tape in the parts rack then request for additional using Kanban request card (SEATBELT ONLY).

Work Procedure/ Illustration







1.Make sure to request needed tape of sub-assembly, no line stop due to no or late request.

KANBAN REQUEST CARD

Get for issuance tape in box then issue to line.





1.Always check tape requirement per model or line.



Unique tape used per model



2

MODELS: 7M0530 7N0174



MODELS: 7N0033 7N0034



MODELS: 7R0116 7R0115 7R0120 7R0122 7R0121 LEVERCON MODELS

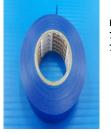
white tape with slit (10mm)

white tape no slit (10mm)

Tesa tape (51036)



MODELS: 7N0164 7N0165 7R0115



MODELS: 7L0085 7L0086



Hazard **MODELS**

MODELS:

gray tape no slit (10mm)

blue tape no slit (10mm)

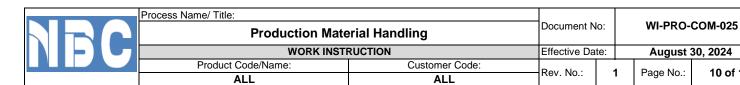
Tesa tape (51618)

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Put tape (19x20W) on the oven for those who want to use warm tape.

NOTE:



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H. Bandclamp tail monitoring and disposal.

Check bandclamp tail trash bin condition.



2

3



(until yellow mark)

1.Checking must be done everyday, every morning. 2. Avoid overflowing of bandclamp tail in the area.

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Upon checking, if need to disposed, prepare disposal form (F-COM-002).



- 1.Always conduct disposal everyday, avoid bulky clamptail disposal.
- 2.Make sure disposal form has complete fill-up and signatories.

Move for dispose bandclamp tail to warehouse together with disposal form.



1.Make sure disposal form has complete fill-up and signatories.

⚠I. SAFETY MATERIAL HANDLING OF PRODUCTS.

1. Maintain the correct posture: avoid bending over and keep lifts close to the body



2. Never lift materials from a sitting position, or twist to pick up a heavy object



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3. Maintain a clear line of site; objects should not block vision; lift only where there is sufficient lighting.





4. Get assistance from co-workers to avoid successive lifts of heavy objects





5. Follow proper material handling



- Keep Back Straight
- Use Legs Bend Knees
- Wide Stance
- · Weight Close to Body
- Avoid Twisting
- Get Help When Needed and Coordinate Lifting

