| | | | | | WORK INSTRUCTION | | | Effectiv | vity Date: | | | February 28, 2 | 023 |
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| | | | Process Name/Title: | | TAPING ASSEMBLY PRO | CESS | | Validity | | | | n/a | |
| | | | Model Code/Part Number: | 310B / | 7M0530-7020C Customer: | TRJ | | Docum | nent No.: | | | WI-ENG-PDE-0 | 35B |
| | | | Purpose: | PROTOTY | | MASSPRO | | Revisio | on No.: | | 8 | Page No.: | 1 of 10 |
| r | | | | | | | | 1 | | | | | |
| PARTS: | | 1. Assy | parts: Black vinyl tube ø5 L=1 | 10±3mm; Black tape | | | | JIG: | | | 1. Tester jig | | |
| NO |). | ı | PROCESS NAME | | WORK PROCEDURE/ ILLUSTF | ATION | | | TOOLS/PPE | | C | QUALITY POIN | TERS |
| 1 | | P2 | Table Lay-out | Assy | Table Lay-out Black vinyl tube ø5 L=110±3mm parts Black tape/ Tape holder | Tester jig | | produrii | Alert level any trouble, infor Assembly Assista | al lent ves, lays 1. No 2. No ed. ler. | | ng parts/tools is parts/tools | |
| | | l | | | Revision History | | | + | Prepared by | Reviewed | by | Reviewed by | Approved by |
| 02/28/13 | | Additiona | | ocedure and illustration | in process no.4 and no.5. Quality pointers and notes in esting to align in actual process and as improvement. | M. Ariola J. Loterte M. Catapang J. Loterte | | Arañes Arañes | ~ [1O.N | | ر. | // L ·IL | |
| 09/02/21 | | Revise of 1.5 wind | lue to encountered peeled-off tapings as countermeasure. Improve | jig illustration and proc | | M. Catapang C. Villanueva | | Arañes | M. Ariola | J. Loteri | | C. Villanueva | A. Aranes |
| Eff. Date | Rev. No | | | Details of | Change | Revised Reviewed | Approved N | Noted E | Est. Date: | July 02, 2018 | | | |

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| | | | WORK INSTRUCT | TION | Effectivity Date: | February 28, 2023 | | | | |
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| Process Name/Title: | | | TAPING ASS | EMBLY PR | Validity Date: | n/a | | | | |
| Model Code/Part Number: | 310B | 1 | 7M0530-7020C | Customer: | TRJ | Document No.: | | WI-ENG-F | DE-035B | |
| Purpose: | ☐ PI | ROTOTYP | E \square | PRE-LAUNCH | MASSPRO | Revision No.: | 8 | Page No.: | 2 of 10 | |

1. Assy parts PARTS: 3. Black tape JIG n/a 2. Black vinyl tube ø5 L=110±3mm NO. **PROCESS NAME WORK PROCEDURE/ ILLUSTRATION** TOOLS/PPE **QUALITY POINTERS** 1. Get the vinyl tube ø5 L=110±3mm using Wire insertion to right hand and insert the wires using left 2 Black vinyl tube n/a 1. No wrong use of parts hand. ø5 L=110±3mm 2. No deformed terminal No gap P2 1. Fix the COT and vinyl tube. Make sure no 1. No loose tape gap in between. 2. No flip-out tape **MEASURING TAPE** 3. No peel-off tape 4. No wrong use of tape 3 Y-Taping 7 8 9 10 1 2 3 4 5 6 7 8 9 5. No wrong dimension 6. No wide interval between the COT 7. No exposed wire tape width Important reminders/Note/s: 1. Use YELLOW TAPE for easy visualization of shifting lines, but 3. Make 1/2 shifting to the left until tape width actual should be BLACK TAPE. 2. Get the tape and fix the COT to then wind the tape 2x. 2. Please use calibrated/verified vinyl tube. Make 1 winding premeasuring tape when getting the taping before shifting. measurement.

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| | | Process Name/Title: | | | TAPING AS | SEMBLY PROCE | SS | | Validity Date: | | | n/a | | |
| | | Model Code/Part Number: | 310B | 1 | 7M0530-7020C | Customer: | TRJ | | Document No.: | | | WI-ENG-PE | E-035B | |
| | | Purpose: | □PR | ROTOTYF | PE | PRE-LAUNCH | MASSPRO | | Revision No.: | | 8 | Page No.: | 3 of 10 | |
| | 1 | | | | | | | | | 1 | | | | |
| PARTS: | 1. Assy 2. Blac | | | | | | | | | JIG | n/a | | | |
| NO. | | PROCESS NAME | | | WORK PROCI | EDURE/ ILLUSTRA | TION | | TOOLS/ | PPE | C | QUALITY POINTERS | | |
| 3 | P2 | Y-taping (Continuation) | 4. Make 1/3 s until tape wic | dth on vi | tape width | 1/2 shifting Make 1/2 shifting to the leepe 2x. 1/2 shifting tape wie | 6. Make 1/2 shift the right until tae on vinyl tube, we tape 2x then cut | ind the | MEASURING 6 7 8 9 10 1 2 3 6 | | 2. No fli 3. No p 4. No w 5. No w 6. No w 7. No e: Import 1. Use visuali: actual 2. Pleas | ant reminders YELLOW TAPE vation of shifti should be BLA se use calibrate ing tape when | in in it ween the COT is in it ween the COT is in it will be so it in it | |

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pointed 40±3mm and taping condition.

| | | WORK INSTRUCTION Effectivity Date: | | | | | | | | |
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| | Process Name/Title: | TAPING AS | SSEMBLY PROC | CESS | Validity Date: | | n/a | | | |
| | Model Code/Part Number: | 310B / 7M0530-7020C | Customer: | TRJ | Document No.: | | | E-035B | | |
| | Purpose: | PROTOTYPE | PRE-LAUNCH | MASSPRO | Revision No.: | | 8 | Page No.: | 4 of 10 | |
| | | | | | | | | | | |
| PARTS: | 1. Assy parts | parts | | | | | | | | |
| NO. | PROCESS NAME | WORK PROC | EDURE/ ILLUSTR | ATION | TOOLS/F | PPE | Q | UALITY PO | DINTERS | |
| | | | | | | | | | | |

CONNECTOR GUIDE

CHECKER 1

CONNECTOR SETTING

CHECKER 2

Color Sensor.
Gray Tape only

CHECKER 1

CHECKER 1

CHECKER 1

1. Get the assy part and then put into jig. First, set the connector 6098-3802 (W) to Checker 1 then pull the checker fixture for continuity checking, Color sensor light will buzz if sensor detects Gray tape. Second, set the connector 6098-6663 (B) to Checker 2 then pull the checker fixture for continuity checking. Continue to set the B-B wires together within the stopper jig and then press by toggle clamp.

 Check if all LED light for POWER ON, WIRE 1, WIRE 2, COLOR SENSOR was ON. If encountered abnormality, STOP and immediately CALL the attention of the leader. WAIT for further instruction and continue the process.

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P2

Continuity testing

Important reminders/Note/s:

1. Make sure no gap between stopper and terminals

2. Terminals should touch the aluminum for continuity checking of

1. No wrong insertion of connector

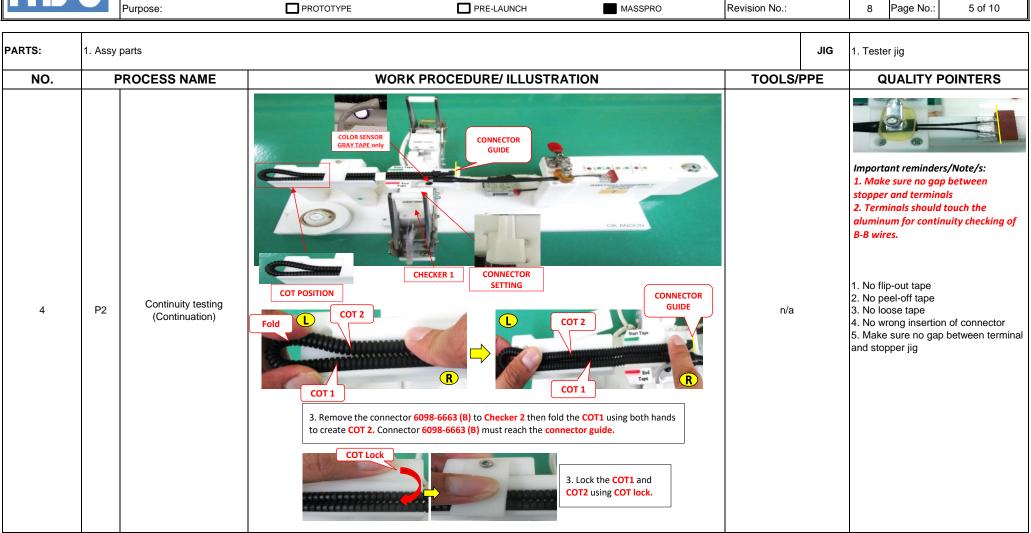
2. Make sure no gap between terminal

B-B wires.

and stopper jig

n/a

| | | | 1 | WORK INSTRUCT | TON | | Effectivity Date: | |
|--------|-------------------|--------|-------|----------------------|------------|---------|-------------------|--|
| Proces | ss Name/Title: | | | TAPING ASSI | EMBLY PRO | CESS | Validity Date: | |
| Model | Code/Part Number: | 310B | / | 7M0530-7020C | Customer: | TRJ | Document No.: | |
| Purpos | se: | ☐ PROT | OTYPE | | PRE-LAUNCH | MASSPRO | Revision No.: | |



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| | | Effectivity Date: | | February 28, 2023 | | | | | |
|-------------------------|------|-------------------|--------------|-------------------------|---------|---------------|-----|-----------|----------|
| Process Name/Title: | | | TAPING ASS | TAPING ASSEMBLY PROCESS | | | n/a | | |
| Model Code/Part Number: | 310B | 1 | 7M0530-7020C | Customer: | TRJ | Document No.: | | WI-ENG-F | PDE-035B |
| Purpose: | ☐ PF | ROTOTYPE | | PRE-LAUNCH | MASSPRO | Revision No.: | 8 | Page No.: | 6 of 10 |

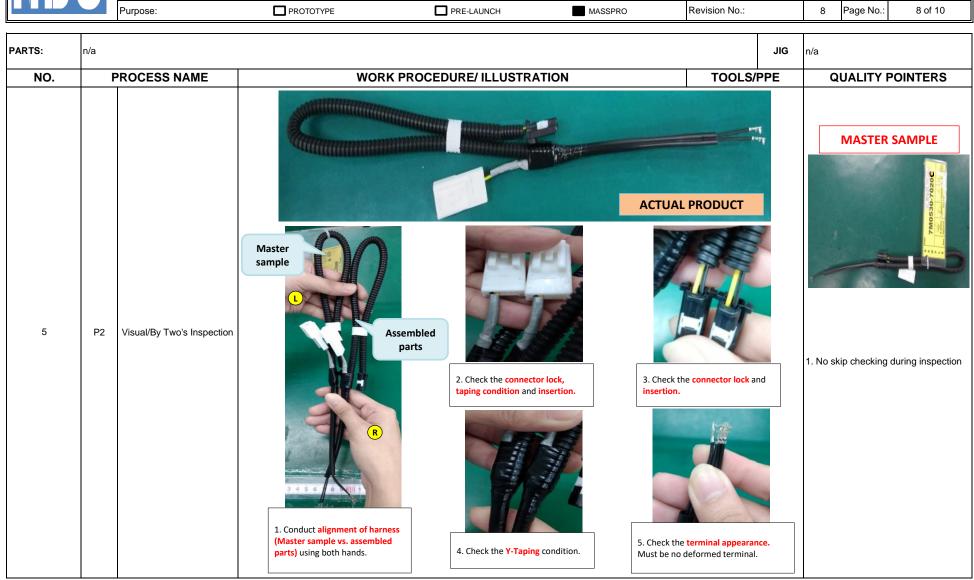
1. Assy parts PARTS: JIG 1. Tester jig 2. White NITTO TAPE 2107TVH [1pc.] NO. **PROCESS NAME WORK PROCEDURE/ ILLUSTRATION** TOOLS/PPE **QUALITY POINTERS COLOR SENSOR** CONNECTOR GRAY TAPE only GUIDE Important reminders/Note/s: 1. Make sure no gap between stopper and terminals 2. Terminals should touch the aluminum for continuity checking of B-B wires. 3. End of tape must be within the RED MARK. CHECKER 1 CONNECTOR **SETTING** 1. No flip-out tape **COT POSITION** 2. No peel-off tape Continuity testing P2 3. No loose tape n/a (Continuation) 4. Get the WHITE NITTO TAPE 2107TVH (with slit) and begin taping using both hands. Make 1.5 4. No wrong insertion of connector windings of tape then cut using both hands. (Follow below instructions for taping procedure) 5. Make sure no gap between terminal and stopper jig COT 2 5. Start of tape must be within the GREEN MARK. COT 1 Tape COT 2 6. Wind the tape 1.5 windings using both hands then cut. COT 1 End Tape

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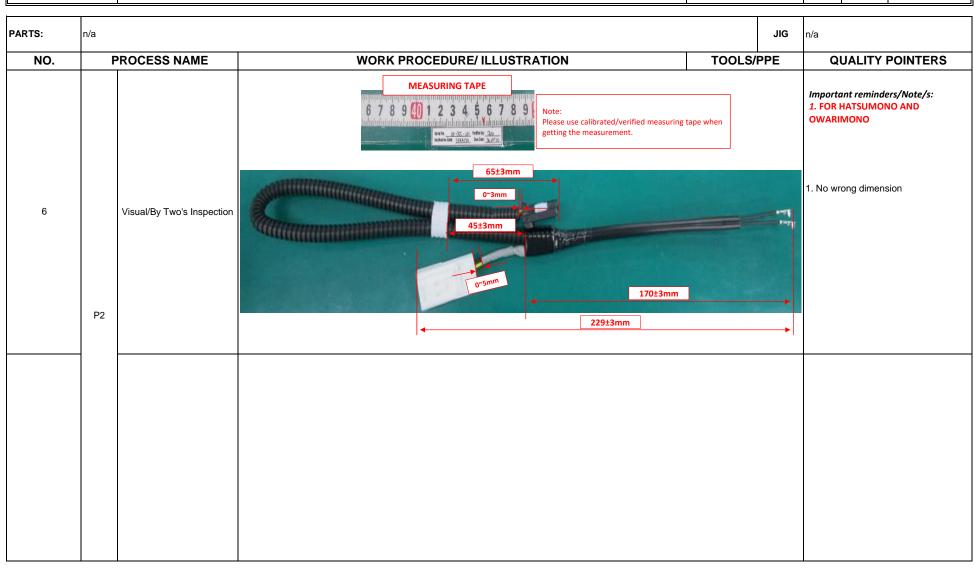
| | | | | (INSTRUC | | | Effectivity Date: | | | February 2 | 8, 2023 | |
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| | | Process Name/Title: | T. | APING ASS | SEMBLY PROC | | Validity Date: | | n/a | | | |
| | | Model Code/Part Number: | 310B / 7M05 | 30-7020C | Customer: | TRJ | Document No.: | | | WI-ENG-PE | E-035B | |
| | | Purpose: | PROTOTYPE | | PRE-LAUNCH | MASSPRO | Revision No.: | | 8 | Page No.: | 7 of 10 | |
| PARTS: | 1. Assy | parts | | | | | | JIG | 1. Teste | r jig | | |
| NO. | ı | PROCESS NAME | W | ORK PROCE | DURE/ ILLUSTR | ATION | TOOLS | PPE | Q | UALITY P | DINTERS | |
| 4 | P2 | Continuity testing (Continuation) | 8. 0 | CHECKER 1 Press the SW butter and if the result is conduct POINT Chemoving the harnes | HECKING before | OK ANDON | n/a | | 1. Make stopper 2. Term alumin B-B wir 1. No wr 2. Make and stop | ong insertion sure no gap oper jig FERENCE AFTER TAI TAPE 210 | between Is ouch the uity checking of of connector between termin | |

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| Process Name/Title: | | TAPING ASS | EMBLY PRO | Validity Date: | n/a | | | | | |
| Model Code/Part Number: 310B / 7M0530-7 | | 7M0530-7020C | Customer: | TRJ | Document No.: | lo.: | | WI-ENG-PDE-035 | | DE-035B |
| Purpose: | ☐ PI | ROTOTYP | E C | PRE-LAUNCH | MASSPRO | Revision No.: | 8 | Page No.: | 8 of 10 | |



| | | | Effectivity Date: | | February 28, 2023 | | | | | |
|---|-------------------------|------|-------------------|--------------|-------------------|---------|----------------|---|-----------|----------|
| | Process Name/Title: | | | TAPING AS | SEMBLY PROC | CESS | Validity Date: | | n, | /a |
| | Model Code/Part Number: | 310B | 1 | 7M0530-7020C | Customer: | TRJ | Document No.: | | WI-ENG-F | PDE-035B |
| | Purpose: | ☐ PR | OTOTY | PE | PRE-LAUNCH | MASSPRO | Revision No.: | 8 | Page No.: | 9 of 10 |
| t | | | | | | | - | | | |



| PARTS: n/a | Process Name/Title: Model Code/Part Number: Purpose: | T | (INSTRUCTION APING ASSEMBLY PROCE 30-7020C Customer: | TRJ MASSPRO | Effectivity Date: Validity Date: Document No.: Revision No.: | JIG | 8 n/a | February n/ WI-ENG-F Page No.: | 'a |
|------------------------------|--|---|---|-----------------|--|-----|----------|---|-------|
| P2 GOOD NO GOO! | NITTO | AFTER TAPING USING TAPE 2107TVH OOD: 1.5 windings NG: 1 winding | 7M0530- | 7020C | 2 | | | | 5 |
| 1 No Ur Halflo (2 conn | ck Connecto | (3) | | windi f Tape | Taping mustings 5 No D | | | Tern | ninal |

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