|           |         |  |                        |  | WORK INS                                       |                  |                            |                                |                              | Effect        | ivity Date:  |                                      | May 24, 2024        | ·              |
|-----------|---------|--|------------------------|--|--|------------------|----------------------------|--------------------------------|------------------------------|---------------|--|--------------------------------------|---------------------|----------------|
|           |         | Pi   | rocess Name/Title:     |  | TAPIN  | G ASSEMBLY PRO   | CESS                       |                                |                              | Validit       | ty Date:   |                                      | n/a                 |                |
|           |         | M  | odel code/Part number: | 100B   | / 7M0593-7021                                  | Customer: TRJ    | Car Model:                 | LEX                            | (US UX                       | Docur         | ment No.:  |                                      | WI-ENG-PDE-4        | 14D            |
| шШ        |         | Pt   | urpose:                | PROT   | ОТҮРЕ  | PRE-LAUNCH       | MASSPI                     | RO                             |                              | Revis         | ion No.:   | 3                                    | Page No.:           | 1 of 12        |
| PARTS:    |         | tape; Blac   | k VM tube (Sunprene)   |  | 711-48210 (B); Clamp 827                       |                  |                            | ack tape [                     | 5pcs.]; Red                  |               | JIG:   | 2. Locking j                         |                     |                |
| N         | Ο.      | PR   | OCESS NAME             |  | WORK P   | ROCEDURE/ ILLUST | RATION                     |                                |                              | <u> </u>      | TOOLS/PPE  | · <u>-</u>                           | UALITY POIN         | TERS           |
|           |         | P4   | Table Lay-out          | Cla (()  Black VM tube (Sunprene) ø9 L=93±3mm  Assy parts  Locking jig | Tape holder/Black tape  Tape holder/Black tape |                  | Clamp 827<br>Clar          | (B) C                          | sembly jig                   | p pri         | Afety Instruction Be sure to wear rescribed personal tective equipmed during operation gloves, finger cotsets.)  Housekeeping Maintain and always practice 5's. Personal things the workplace is rohibited. Keep it your locker.  Alert level or any trouble, infort Assembly Assist Supervisor or Lineader for immedia corrective action. | al al ent . 1. No missi 2. No excess | BAND CLAMP ILLUSTRA | 2711-12A80 (W) |
|           |         |  |                        |  | Revision History                               |                  |                            |                                |                              |               | Prepared by  | Reviewed by                          | Approved by         | Noted by       |
| 05/24/24  | 2       | Transfer to New Format and inclusion of Car model "LEXUS UX". Change process sequence due to process improve Update work procedure/illustration Process 11.  Inclusion of connector lock process, improvement due to QC claim (Unlock connector). Integrate the locking jig to As jig. |                        |  |  |                  | A.Hernandez ly D. Castillo | C.<br>Villanueva<br>J. Loterte | A. Arañes  C.  Villanueva A. | n/a<br>Arañes | 0.0  | 1/-b-i4-                             | AND CO              |                |
| 02/22/23  | 1       | Improve Quality pointers; Reminders/notes and references on pages no. 1,2,4,6,8,9 and 10; Inclusion of Quality of Change term 'Sunprene tube' to "VM tube (Sunprene) to standardize the tube description.  |                        |  |  |                  | M. Ariola                  | J. Loterte                     |                              | Arañes        | A.Hernandez  | C. Villanueva                        | A. Arañes           | n/a            |
| Eff. Date | Rev. No | No Details of Change   |                        |  |  |                  | Revised                    | Reviewed                       | Approved                     | Noted         | Est. Date:   | March 5,2022                         |                     |                |



|                         | Process Name/Title:                          | WORK INS   |  |                 |   |               |  |  |   |
|-------------------------|--|--|--|-----------------|---|---------------|--|--|---|
|                         | i iocess maine/ inie.                        | IG ASSEMBLY PROC   | CESS   |                 | Effectivity Date: Validity Date:                        |               | May 24, 2024<br>n/a  |  |   |
|                         | Model code/Part number:                      | 100B / 7M0593-7021   | Customer: TRJ  | Car Model:      | LEXUS UX  | Document No.: |  | WI-ENG-PDE-4   | 44D   |
|                         | Purpose:                                     | PROTOTYPE  | ☐ PRE-LAUNCH   | MASSPRO         |   | Revision No.: | 3  | Page No.:  | 2 of 12   |
| [1, Cla                 | lamp 82711-16830 (B)                         | 4. Clamp 82711-52090 (W) [2pcs.]   |  |                 |   |               |  |  |   |
| PARTS: 2. Cla<br>3. Cla | lamp 82711-48210 (B)<br>lamp 82711-35730 (B) | <ul><li>5. Black tape [4pcs.]</li><li>6. Red tape</li></ul>  |  |                 |   | JIG:          |  | ssembly Jig  |   |
| NO.                     | PROCESS NAME                                 | WORK   | PROCEDURE/ ILLUSTR                                       | ATION           |   | TOOLS/PPE     | (  | QUALITY POIN   | TERS  |
| 2 P4                    |  | 1. Get the band clamp 82711-16830 both hands.  2. Get the clamps 82711-48210 and location 2 and 5 using both hands.  3. Get the clamp 82711-52090 (W) [and 6 using both hands. | 82711-16830  82711-35730  using right hand and set to co | lamp location 1 | 4. Get black the tape on to 48210 in loca proceed to lo |               | 1. No dama 2. No wron 3. No wron Importa 1. Please clamp be wrong us | aged clamp g use of parts g use of tape  Int reminders/N e check all clamp fore start of asse e of parts.  CLAMP ILLUSTRATION  READ CLAMP ILLUSTRATION  BAND CLAMP ILLUSTRATION  ONE  BAND CLAMP ILLUSTRATION  ONE  BAND CLAMP ILLUSTRATION  ONE  ONE  ONE  ONE  ONE  ONE  ONE | Note/s: and band embly to avoid  2711-12A80 (W)  ATION  5 |

|        |                     |   |                | WORK INS  | TRUCTION                |                                      |          | Effectivity Date:  |                          | May 24, 202                      | 4       |
|--------|---------------------|---|----------------|---|-------------------------|--------------------------------------|----------|--------------------|--------------------------|----------------------------------|---------|
|        |                     | Process Name/Title:   |                | TAPIN   | G ASSEMBLY PR           | OCESS                                |          | Validity Date:     |                          | n/a                              |         |
|        |                     | Model code/Part number:   | 100B / 7       | M0593-7021  | Customer: TRJ           | Car Model:                           | LEXUS UX | Document No.:      |                          | WI-ENG-PDE-4                     | 44D     |
|        |                     | Purpose:  | PROTOTYPE      |   | PRE-LAUNCH              | MASSPRO                              |          | Revision No.:      | 3                        | Page No.:                        | 3 of 12 |
| PARTS: | 1. Assy<br>2. Black | parts<br>v VM Tube (Sunprene) ø9                                | L=93±3mm       |   |                         |                                      |          | JIG:               | 1. Termina               | ıl cover jig                     |         |
| NO.    | P                   | ROCESS NAME   |                | WORK P  | PROCEDURE/ ILLUS        | TRATION                              |          | TOOLS/PPE          | (                        | QUALITY POIN                     | TERS    |
| 3      | P4                  | Wire insertion to<br>Black VM Tube<br>(sunprene)<br>ø9 L=93±3mm | 2. H ther cove | lold the Black VM Tun Insert first the hotner jig using left hand | ube (sunprene) ø9 L=931 | 3mm using right hext the B-B wires v | R R      | TERMINAL COVER JIG | 1. No wron<br>2. No defo | ng use of parts<br>rmed terminal |         |

|        |         |  |                    | TRUCTION               |   | Effectivity Date:  | May 24, 202                                    | 4  |                     |                     |
|--------|---------|--|--------------------|------------------------|---|--|--|--|---------------------|---------------------|
|        |         | Process Name/Title:  Model code/Part number:                           | 100B / 7M0593-7021 | Customer:              | RJ Car Model:   | LEXUS UX   | Validity Date:  Document No.:                  |  | n/a<br>WI-ENG-PDE-4 | 44D                 |
|        | U       | Purpose:   | □PROTOTYPE         | PRE-LAUNCH             | MASSPRI   |  | Revision No.:                                  | 3  | Page No.:           | 4 of 12             |
| PARTS: | 1. Blac | ·  |                    |                        |   |  |  | n/a  |                     |                     |
| NO.    | ı       | PROCESS NAME   | WORK               | PROCEDURE/ IL          | LUSTRATION  |  | TOOLS/PPE                                      | (  | QUALITY POIN        | ITERS               |
| 4      | P4      | Taping 1<br>Black Corrugated tube<br>to<br>Black VM Tube<br>(sunprene) | 20±3mm<br>20±3mm   | (sunpre Black V 66±3mr | sure from end of the Black one) up to the edge of ho M Tube (sunprene) up to n.  Dold the Black VM Tube (so then start taping using opearance and taping co | tmelt 58±3mm and terminal tip sunprene) using left right hand. | Measuring tape  6 7 8 9 10 1 2 3 4 5 6 7 8 9 1 | 1. Please measurir measure  2. Refer procedur  1. No peel 2. No flip c 3. No loos 4. No wror | to WI-PRO-ASY       | erified<br>ting the |

|        |         |                         | WORK INS           | TRUCTION                   |              | Effectivity Date:                   |                |   | May 24, 2024   |  |  |
|--------|---------|-------------------------|--------------------|----------------------------|--------------|-------------------------------------|----------------|---|--|--|--|
|        |         | Process Name/Title:     | TAPIN              | G ASSEMBLY P               | ROCESS       |                                     | Validity Date: |   | n/a  |  |  |
|        |         | Model code/Part number: | 100B / 7M0593-7021 | Customer: TR               | J Car Model: | LEXUS UX                            | Document No.:  |   | WI-ENG-PDE-4   | 44D  |  |
|        |         | Purpose:                | PROTOTYPE          | PRE-LAUNCH                 | MASSPRO      | )                                   | Revision No.:  | 3   | Page No.:  | 5 of 12                                    |  |
| PARTS: | 1. Assy |                         |                    |                            |              |                                     | JIG:           | 1. Locking                                    |  |  |  |
| NO.    | P       | ROCESS NAME             | WORK               | PROCEDURE/ ILLU            | ISTRATION    |                                     | TOOLS/PPE      | (   | QUALITY POIN   | ITERS                                      |  |
| 5      | P4      | Connector lock          | Unlock Condition   | Double Half Lock Condition | Double       | to lock using both properly locked. |                | 1. WANU<br>DAMAGE<br>1. Use the<br>2. No unlo | nt reminders/I<br>IAL LOCKING MED CONNECTO<br>provided locking<br>ck/half-locked cor<br>of locking process | AY CAUSE<br>R.<br>iig per model<br>inector |  |

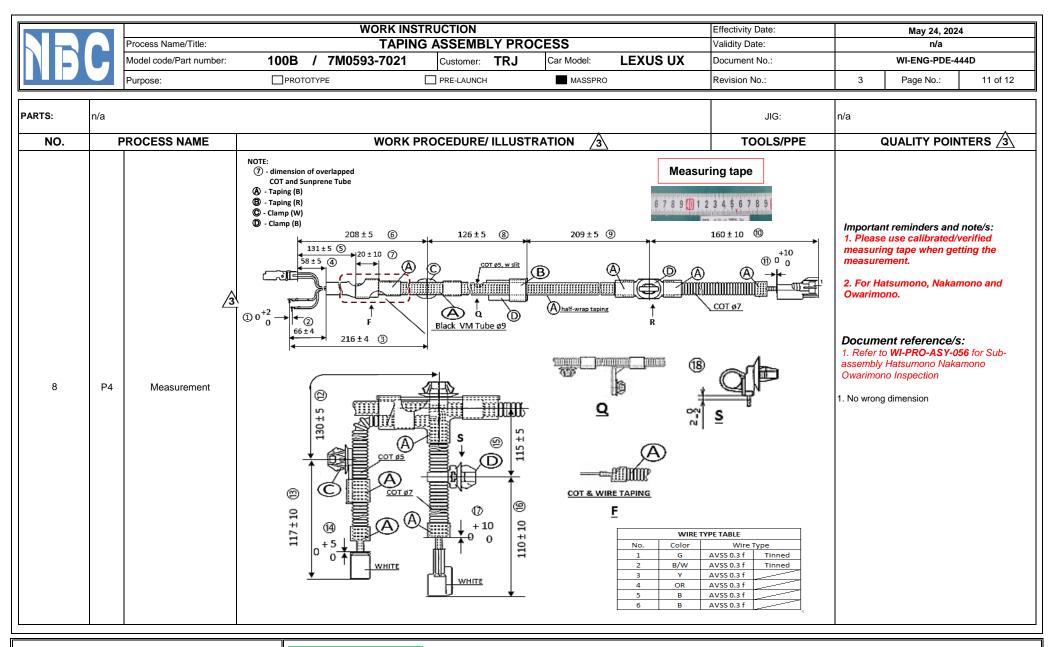
|        |         |                         | WO  | ORK INSTRUCTION   |  | Effectivity Date:                                    |   | May 24, 202                                | 1       |
|--------|---------|-------------------------|---|---|--|--|---|--|---------|
|        |         | Process Name/Title:     |   | TAPING ASSEMBLY PROCE   | SS   | Validity Date:                                       |   | n/a  | •       |
|        |         | Model code/Part number: | 100B / 7M0593-  |   | Car Model: LEXUS UX  | Document No.:  |   | WI-ENG-PDE-4                               | 44D     |
|        |         | Purpose:                | PROTOTYPE   | PRE-LAUNCH  | MASSPRO  | Revision No.:  | 3   | Page No.:                                  | 6 of 12 |
| PARTS: | 1. Assy | parts                   |   |   |  | JIG:   | 1. Clamp A  | Assembly jig                               |         |
| NO.    | F       | ROCESS NAME             | 1   | WORK PROCEDURE/ ILLUSTRA  | ΓΙΟΝ   | TOOLS/PPE  | (   | QUALITY POIN                               | TERS    |
| 6      | P4      | Clamp Assembly          | First, set the white connector lock. Second, set the next wh and then pull the checker fix the white connector (6098-38 fixture for continuity checking | Connector Setting  Connector Setting  Checker 1  Application    Barrin-35730  SW Button  SW Button  Checker 1  82711-35730  SW Button  SW Button  SW Button  SW Button  SW Button  Barrin-35730  SW Button  Checker 1  Checker 2 the correct setting).  Continue to set the harness in jig. Last B wires together within stopper then | Color sensor RED TAPE only  2. Check if all LED light for Pound CLAMP ON was ON. If er STOP and immediately CALL WAIT for further instruction and the color of th | ncountered abnormality, the attention of the leader. | <ol> <li>No dama</li> <li>No miss</li> <li>No miss</li> </ol> | ed tape<br>ing parts<br>ire no clearance b |         |

|        |         |                                  |  | WORK INS  | STRUCTION  |  |   |   | Effectivity Date: |  | May 24, 202   | 4   |
|--------|---------|----------------------------------|--|---|--|--|---|---|-------------------|--|---|---|
|        |         | Process Name/Title:              |  |   |  | Y PROCESS  |   |   | Validity Date:    |  | n/a   |   |
|        |         | Model code/Part number:          | 100B   | / 7M0593-7021   |  | TRJ Car Mod  | el:                                     | LEXUS UX  | Document No.:     |  | WI-ENG-PDE-4  | 44D   |
|        |         | Purpose:                         | □PROT  | OTYPE   | PRE-LAUNCH   | . M  | SSPRO                                   |   | Revision No.:     | 3  | Page No.:   | 7 of 12   |
| PARTS: | 1. Assy | parts                            |  |   |  |  |   |   | JIG:              | 1. Clamp A   | Assembly jig  |   |
| NO.    | F       | PROCESS NAME                     |  | WORK  | PROCEDURE/   | ILLUSTRATION   |   |   | TOOLS/PPE         | (  | QUALITY POIN  | ITERS   |
| 6      | P4      | Clamp Assembly<br>(Continuation) | 4. Get the bar clamp on loca Continue if the 5. Hold the BI taping using the Make 3 wind | Connector S  Ch  210 SW Button  ten the band clamp on cla | 82711-35730  amp location 1  then cut the band on after cut. on 2 was on.  and then start tion 2 and 3. It the SW button | Color sensor RED TAPE  BANDO GUN ALIG  VERTICAL NG  OK | SW. | Note: Setting of band clamp cutter depends on the size of the COT/Vinyl tube. For: ø5 - 1~2, ø7 - 3~4 | Bando Gun         | 2. No dam 3. No miss 4. No miss 5. Make su and stoppe  Importal 1. Make s jig and ho 2. Using s cut meas | switch ass<br>int reminders/n<br>sure no gap betweetmelted terminal<br>steel rule, check<br>turement is within<br>and should not<br>range | ote/s: een stopper s. if the band the required exceed the |

|        |         |                                  |   | STRUCTION  |  |   | Effectivity Date:  |   | May 24, 2024                               |         |
|--------|---------|----------------------------------|---|--|--|---|--|---|--|---------|
|        |         | Process Name/Title:              | TAPIN                                   | NG ASSEMBLY PRO  | CESS   |   | Validity Date:   |   | n/a  |         |
|        |         | Model code/Part number:          | 100B / 7M0593-7021                      | Customer: TRJ  | Car Model:                                       | LEXUS UX  | Document No.:  |   | WI-ENG-PDE-444                             | 4D      |
|        |         | Purpose:                         | PROTOTYPE                               | PRE-LAUNCH   | MASSPRO  |   | Revision No.:  | 3   | Page No.:                                  | 8 of 12 |
| PARTS: | 1. Assy | parts                            |   |  |  |   | JIG:   | 1. Clamp A  | ssembly jig                                |         |
| NO.    | Р       | ROCESS NAME                      | WORK                                    | PROCEDURE/ ILLUST  | RATION   |   | TOOLS/PPE  | C   | QUALITY POINT                              | ERS     |
| 9      | P4      | Clamp Assembly<br>(Continuation) | Connector Setting  2 3  Receiver base 1 | Checker 1  4  82711-35730  Button  d and then start taping winds then cut the tape. tinue if the sequence light  and then start taping using been cut the tape. Color sensor | 8. Hold the using both cut the tape will be hear | Sensor PE only  Black tape using right hands on clamp location. Press the SW buttor d.  Conduct POINT CHE | hand and then start taping on 6. Make 3 winds then after taping. Go sound  CKING of taping (COT, Tri-tape, COT to wire I clamps before | <ol> <li>No dama</li> <li>No missa</li> <li>No missa</li> </ol> | ed tape<br>ing parts<br>re no clearance be |         |

|        |         |                               |                 | K INSTRUCTION   |  |             | Effectivity Date:  |               | May 24, 202       | 4                           |
|--------|---------|-------------------------------|-----------------|---|--|-------------|--|---------------|-------------------|-----------------------------|
|        |         | Process Name/Title:           |                 | APING ASSEMBLY  |  |             | Validity Date:   |               | n/a               | _                           |
|        |         | Model code/Part number:       | 100B / 7M0593-7 | 021 Customer: T   | RJ Car Model:  | LEXUS UX    | Document No.:  |               | WI-ENG-PDE-4      | 44D                         |
|        |         | Purpose:                      | PROTOTYPE       | ☐ PRE-LAUNCH  | MASSPRO  |             | Revision No.:  | 3             | Page No.:         | 9 of 12                     |
|        | 1. Assy | parts                         |                 |   |  |             |  | ,             |                   |                             |
| PARTS: |         | er sample                     |                 |   |  |             | JIG:   | n/a           |                   |                             |
| NO.    | F       | PROCESS NAME                  | We              | ORK PROCEDURE/ IL   | LUSTRATION   |             | TOOLS/PPE  | (             | QUALITY POIN      | TERS                        |
| 7      | P4      | Visual/By two's<br>Inspection | of ha samp asse | nduct alignment mess (Master ple vs. mbled parts) both hands. | 2. Check the connector lock condition, insertion and terminal. | 5. Check th | Slightly bending of part type clamp.  The presence of all chment, taping and color of tape (Must | 600D  82711-5 | OONNECTOR ILLUSTI | IPLE  SIGN  SZ711-12A80 (W) |

|        |         |   |  | (INSTRUCTIO |  |               |          | Effectivity Date:  |   | May 24, 2024   |   |
|--------|---------|---|--|-------------|--|---------------|----------|--|---|--|---|
|        |         | Process Name/Title:                             |  | APING ASSE  |  |               |          | Validity Date:   |   | n/a  |   |
|        |         | Model code/Part number:                         | 100B / 7M0593-70   | Custom      | er: <b>TRJ</b>                                       | Car Model:    | LEXUS UX | Document No.:  |   | WI-ENG-PDE-44  | 4D  |
|        |         | Purpose:  | PROTOTYPE  | PRE-LAU     | INCH   | MASSPRO       |          | Revision No.:  | 3   | Page No.:  | 10 of 12                                      |
|        | 1. Assy | / narts   |  |             |  |               |          |  |   |  |   |
| PARTS: |         | ter sample                                      |  |             |  |               |          | JIG:   | n/a   |  |   |
| NO.    | F       | PROCESS NAME                                    | WC   | RK PROCEDU  | RE/ ILLUSTR  | RATION        |          | TOOLS/PPE  | (   | QUALITY POIN   | TERS  |
| 7      | P4      | Visual/By two's<br>Inspection<br>(Continuation) | 6. Check the presence of all cla attachment, band clamp cut, ta condition and color of tape.  9. Check the connector lock condition, insertion, terminal and taping condition. | mp piping   | 7. Check the clock condition terminal and condition. | n, insertion, | ACTUAL P | 8. Check the half-wrap taping.  11. Check the terminal and PCB appearance. must be no deformed terminal. | GOOD    Section   Section | nt reminders/no<br>steel rule, check i<br>urement is within<br>n and should not<br>range | PLE  ATION  Tote/s:  If the band the required |



|        |                 | Process Name/Title:     |                                    | STRUCTION<br>IG ASSEMBLY PRO | ncess.       |                 | Effectivity Date: Validity Date: |            | May 24, 2024 | 4        |
|--------|-----------------|-------------------------|------------------------------------|------------------------------|--------------|-----------------|----------------------------------|------------|--------------|----------|
|        |                 | Model code/Part number: | 100B / 7M0593-7021                 | Customer: TRJ                | Car Model:   | LEXUS UX        | Document No.:                    |            | WI-ENG-PDE-4 | 44D      |
|        |                 | Purpose:                | PROTOTYPE                          | ☐ PRE-LAUNCH                 | MASSPRO      |                 | Revision No.:                    | 3          | Page No.:    | 12 of 12 |
| PARTS: | 1. Assy         | / parts                 |                                    |                              |              |                 | JIG:                             | n/a        |              |          |
|        |                 |                         | VIS                                | SUAL INSPECTION/Q            | UALITY CHECK | POINTS          |                                  |            |              |          |
|        | 4<br>5000<br>GO | OD OD                   | 2                                  | <b>M05</b>                   | 3            | -70<br>2 4<br>3 | 2<br>58±3mm VT to                | 3<br>botme | 2            | OOD      |
| NO     | GOO             | No                      | WRONG INSERT<br>JNLOCKED/HAL<br>BO |                              | 3 No l       |                 | CLAMP TAPE 5 N USE OF TAPE       |            |              | 5 VT     |