|                   | _             |                                | WORK   | (INSTRUCTION                   |                  |                           |              | Effectivi            | ty Date:   |  | May 29, 2024      |          |
|-------------------|---------------|--------------------------------|--|--------------------------------|------------------|---------------------------|--------------|----------------------|--|--|-------------------|----------|
|                   |               | Process Name/Title:            |  | LAMP ASSEMBLY PROC             | ESS              |                           |              | Validity             | •  |  | n/a               |          |
|                   |               | Model code/Part number:        | 010B / 7L0032-702  | 24 Customer: TRQSS             | Car Model:       | TOYOT                     | A AVALOI     | N Docume             | ent No.:   |  | WI-ENG-PDE-81     | 3        |
|                   |               | Purpose:                       | PROTOTYPE  | PRE-LAUNCH                     | MASS             | PRO                       |              | Revision             | n No.:   | 0  | Page No.:         | 1 of 8   |
| PARTS:            | (W)           | y parts: Clamp 82711-34490     | ) (B); Clamp 82711-16820 (BR); Lak   | pel 7V1080-0020 (73230-06B20 P |                  | wer); Clamp               | p 82711-5209 |                      | JIG:   | <ol> <li>Locking</li> <li>Label dis</li> </ol>   |                   | ERS      |
| 1                 | Clamp<br>Assy | Table Lay-out                  | The state of the s |                                | 06820)/<br>Bando | 080-0020 (7. Label disper | nser         | B pres prote du (glo | ety Instruction e sure to wear scribed personal cutive equipmer uring operation eves, finger cots, etc.)  etc.)  cusekeeping aintain and alway practice 5's. ersonal things on e workplace is iibited. Keep it ir your locker.  Alert level iny trouble, infort ssembly Assista pervisor or Line der for immediate irrective action.  ANDO GUN | 1. No missi 2. No excess  1. No excess  1. No excess  1. No missi 2. No excess  1. No ex | CLIP CLAMP ILLUST | 360 (W)  |
|                   | 1             |                                | Revision His   | tory                           |                  |                           |              |                      | Prepared by  | Reviewed by  | Approved by       | Noted by |
|                   | Initial re    | loggo                          |  |                                |                  |                           |              |                      |  | //-b-it-   | AND               |          |
| 05/29/24 0        |               | measurement and visual inspect | ion/ quality checkpoints.  |                                | A.Hernandez      | C. Villanueva             | A. Arañes    | n/a ()               | A.Hernandez  | C. Villanueva  | A. Arañes         | n/a      |
| Eff. Date Rev. No |               |                                | Details of Change  |                                | Revised          | Reviewed                  |              |                      |  | May 29, 2024   |                   |          |
|                   |               |                                |  |                                |                  |                           |              |                      |  |  |                   |          |

|        |                    |   | WORK   | INSTRUCTION  |   | Effectivity Date: |  | May 29, 202   | 4  |
|--------|--------------------|---|--|--|---|-------------------|--|---|--|
|        |                    | Process Name/Title:                       | CL   | AMP ASSEMBLY PR  |   | Validity Date:    |  | n/a   |  |
|        |                    | Model code/Part number:                   | 010B / 7L0032-7024   | Customer: TRQ  | SS Car Model: TOYOTA AVALON   | Document No.:     |  | WI-ENG-PDE-8  | 313  |
|        |                    | Purpose:                                  | PROTOTYPE  | PRE-LAUNCH   | MASSPRO   | Revision No.:     | 0  | Page No.:   | 2 of 8   |
| PARTS: | 1. Clan<br>2. Clan | np 82711-34490 (B)<br>np 82711-16820 (BR) | 3. Clamp 82711-52090 (W)   |  |   | JIG:              | 1. Clamp a   | ssembly jig   |  |
| NO.    | F                  | PROCESS NAME                              | WOR  | K PROCEDURE/ ILLUS   | TRATION   | TOOLS/PPE         | (  | QUALITY POIN  | TERS   |
| 2      | Clamp              |   | 1. Get 1pc of band clamp 82711 clamp location 1.  2. Get 1pc of band clamp 82711 clamp location 2.  3. Get 1 pc of Clamp 82711-520 location 3. | -16820 (BR) then attach to -34490 (B) then attach to clamp | BAND CLAMP ILLUSTRA  GOOD  BAND CLAMP ILLUSTRA  GOOD  NG  BAND CLAMP ILLUSTRA  GOOD  NG | -16820 (BR) TION  | 1. No flip-o 2. No peel- 3. No loose 4. No miss 5. No wron No damag 7. No wron 8. No miss  STAN  Or  Importe 1. Check assemble clamp. 2. Must and stop | ant reminders/ky to avoid wrong be no gap between gap windings for CLAMP ILLUSTRATION | CNote/s: before start of a use of the terminal or clamp taping |

|        |               |                         | WORK INC   | TRUCTION      |  | Effectivity Date:                |  | May 20, 222   | 4                        |
|--------|---------------|-------------------------|--|---------------|--|----------------------------------|--|---|--------------------------|
|        |               | Process Name/Title:     |  | TRUCTION      |  | Effectivity Date: Validity Date: |  | May 29, 2024<br>n/a   | 4                        |
|        |               |                         |  |               | Y PROCESS  |                                  |  |   |                          |
|        |               | Model code/Part number: | 010B / 7L0032-7024   | Customer:     | TRQSS   Car Model: TOYOTA AVALON   | Document No.:                    |  | WI-ENG-PDE-8  | 313                      |
|        |               | Purpose:                | PROTOTYPE  | PRE-LAUNCH    | MASSPRO  | Revision No.:                    | 0  | Page No.:   | 3 of 8                   |
| PARTS: | 1. Assy       | parts                   |  |               |  | JIG:                             | 1. Locking   | jig   |                          |
| NO.    | F             | ROCESS NAME             | WORK F   | PROCEDURE/    | ILLUSTRATION   | TOOLS/PPE                        | (  | QUALITY POIN  | ITERS                    |
| 3      | Clamp<br>Assy | Connector lock          | 1. Put the connector into locking jig usir right hand then press 2x to lock using behands. Check the lock if properly locked | Unlock Unlock | Coupler Cross Sectional View NG NG NG Double Double Condition Half Lock Condition Full Lock Condition  Before lock  After lock |                                  | 2. No unloc<br>3. No skip of<br>Importal<br>1. MANU. | provided locking j<br>k/half-locked con<br>of locking process<br>int reminders/N<br>AL LOCKING M.<br>ED CONNECTOR | nector  Note/s: AY CAUSE |

|        |               |                         | WORK INSTRUCT  | TION   | Effectivity Date: |  | May 29, 202  | 1   |
|--------|---------------|-------------------------|--|--|-------------------|--|--|---|
|        |               | Process Name/Title:     |  | EMBLY PROCESS  | Validity Date:    |  | n/a  |   |
|        | H             | Model code/Part number: |  | stomer: TRQSS Car Model: TOYOTA AVALON   | •                 |  | WI-ENG-PDE-8   | 313   |
|        |               | Purpose:                | □ PROTOTYPE □ PRE  | -LAUNCH MASSPRO  | Revision No.:     | 0  | Page No.:  | 4 of 8  |
| PARTS: | 1. Assy       | parts                   |  |  | JIG:              | 1. Clamp a   | assembly jig   |   |
| NO.    | F             | PROCESS NAME            | WORK PROCE   | DURE/ ILLUSTRATION   | TOOLS/PPE         | (  | QUALITY POINTERS   |   |
| 4      | Clamp<br>Assy | Clamp assembly          | Stopper jig  1. Put the assy parts into jig using both hands. First put the connector into receiver base using left hand and lock using right hand. Second, put the terminal to stopper jig using left hand and pull down the toggle clamp using right hand.  Refer to above illustration for the correct setting.  2. Check if the LED light for POWER and CLAMP is ON. If encountered abnormality, STOP the process, CALL the attention of the Leader and WAIT for instruction.  3. Initially tighten the two clamp 82711-34490 (B) and 82711-16820 (BR) using right hand. | A. Get the bando gun using right hand then cut the band clamp on Location 1. Press the switch button after cutting of band clamp. Continue if the sequence light in location 2 was ON.  BAND CLAMP CUT POSITION FOR LOCATION 1  BANDO GUN ALIGNMENT  VERTICAL LINE OK NG |                   | 2. No wron 3. No Loos 4. No wron Importa 1. Using cut meas dimensic allowable (0~2mm) 2. Make terminal  Good | BANDO GUN ILLUSTRA  BANDO GUN ILLUSTRA  BANDO GUN ILLUSTRA | Jamp o gun note/s: if the band in the required t exceed the  veen the |

|        | _             |                                  | WORK INSTRUC  | CTION                     |  | Effectivity Date: | T   | May 29, 2024                             | 4   |
|--------|---------------|----------------------------------|---|---------------------------|--|-------------------|---|--|---|
|        |               | Process Name/Title:              |   | SSEMBLY PROCE             | ESS  | Validity Date:    | <u> </u>  | n/a                                      |   |
|        |               | Model code/Part number:          | <b>010B / 7L0032-7024</b> Cu  | Customer: TRQSS           | Car Model: TOYOTA AVALON   | Document No.:     |   | WI-ENG-PDE-8                             | 313   |
|        |               | Purpose:                         | □ PROTOTYPE □ PRI   | PRE-LAUNCH                | MASSPRO  | Revision No.:     | 0   | Page No.:                                | 5 of 8  |
| PARTS: | 1. Assy       | parts                            |   |                           |  | JIG:              | 1. Clamp ε  | assembly jig                             |   |
| NO.    | F             | PROCESS NAME                     | WORK PROCE  | EDURE/ ILLUSTRA           | TION   | TOOLS/PPE         |   | QUALITY POIN                             |   |
| 4      | Clamp<br>Assy | Clamp assembly<br>(Continuation) | 82711-52090 (W)  82711-3  Stopper jig  5. Cut the band clamp on Location 2. Press the switch button after cutting of band clamp. Continue if the sequence light in location 3 was ON.  6. Hold the tape on clamp location 3 then start taping using both hands. Make 3 windings of tape then cut the tape. Proceed to label attachment. | SW Button  BAND CLAMP CUT | TIT POSITION FOR LOCATION 2  BANDO GUN ALIGNMENT  PERPENDICULARITY  NG  OK  NG  NG  OK  NG |                   | 2. No wron 3. No Loos 4. No wron Importa 1. Using cut meas dimensio allowable (0~2mm) 2. Make 3 terminal a Good | BANDO GUN ILLUSTRAT  BANDO GUN ILLUSTRAT | clamp o gun  note/s:  k if the band in the required at exceed the |

|            |         |                                 | V  | VORK INSTRUCT   | TION             |                             |        | Effectivity Date: |  | May 29, 202                          | 14  |
|------------|---------|---------------------------------|--|---|------------------|-----------------------------|--------|-------------------|--|--------------------------------------|---|
|            |         | Process Name/Title:             |  | CLAMP ASS   | SEMBLY PROC      | ESS                         |        | Validity Date:    |  | n/a                                  |   |
|            |         | Model code/Part number:         | 010B / 7L003   | <b>2-7024</b> Cus   | stomer: TRQSS    | Car Model: TOYOTA           | AVALON | Document No.:     |  | WI-ENG-PDE-                          | 813   |
|            |         | Purpose:                        | PROTOTYPE  | PRE   | E-LAUNCH         | MASSPRO                     |        | Revision No.:     | 0  | Page No.:                            | 6 of 8  |
| PARTS:     | 1. Labe | I 7V1080-0020 (73230-06E        | 320 Passenger power)   |   |                  |                             |        | JIG:              | 1. Clamp a<br>2. Label dis   | ssembly jig<br>spenser               |   |
| NO.        | P       | ROCESS NAME                     |  | WORK PROCE  | DURE/ ILLUSTRA   | ATION                       |        | TOOLS/PPE         | (  | QUALITY POIN                         | NTERS   |
| <b>NO.</b> | Clamp   | Clamp assembly Label Attachment | 1. Get the label. Check the model code, i  3. Fold the center part of the label  6. Press the label upside d finger.  7. Press the SW button after | Item no. & name  tem no. & name  4. Align both end  own using | 2. Align the end | d part of label in the jig. | ers.   |                   | 1. No bubb<br>2. No dama<br>3. No peel<br>4. No wron<br>5. No miss | oles<br>age<br>off<br>g use of label | Item name Passenger Manual Driver Manual Passenger Power Driver Power |
|            |         |                                 | POINT CHECKING and rer   | nove the harness fro  | om jig.          |                             |        |                   |  |                                      |   |

|            |         |                         |                    | STRUCTION         |  |           | Effectivity Date:   |   | May 29, 2024  |  |  |
|------------|---------|-------------------------|--------------------|-------------------|--|-----------|---|---|---|--|--|
|            |         | Process Name/Title:     |                    | IP ASSEMBLY PRO   |  |           | Validity Date:  |   | n/a   |  |  |
|            |         | Model code/Part number: | 010B / 7L0032-7024 | Customer: TRQS    | Car Model: TOYO                                  | TA AVALON | Document No.:   |   | WI-ENG-PDE-81   | 13                                       |  |
|            |         | Purpose:                | PROTOTYPE          | PRE-LAUNCH        | MASSPRO  |           | Revision No.:   | 0   | Page No.:   | 7 of 8                                   |  |
| PARTS:     | 1. Assy | / parts                 |                    |                   |  |           | JIG:  | n/a   |   |  |  |
| NO.        | F       | PROCESS NAME            | WORK               | PROCEDURE/ ILLUST | RATION   |           | TOOLS/PPE   | QUALITY POINTERS  |   |  |  |
| <b>NO.</b> | Clamp   |                         | ## 216±3           | © 1  COT (  S     | 33 ± 3  5 no slit  POWER 28 +4  8 +4  (3) 53 ± 3 | © 133±3   | ASURING TAPE  1 2 3 4 5 6 7 8 9 9  1 1 2 3 4 5 6 7 8 9 9  1 1 1 5 ± 5  1 1 1 5 ± 5  1 1 1 5 ± 5  1 1 1 5 ± 5  1 1 1 5 ± 5 | Important  1.Please to measurin measurer  2. For Hat Owarimon  Document  1. Refer to Sub-asser Nakamono | t reminders and n<br>use calibrated /ve<br>g tape when getti<br>ment.<br>tsumono,Nakamo | note/s:<br>erified<br>ing the<br>eno and |  |
|            |         |                         |                    |                   |  |           |   |   |   |  |  |

|        | Process Na                             | me/Title:                   | WORK II            | DCESS        | Effectivity Date: Validity Date: | May 29, 2024<br>n/a |         |                     |        |  |  |
|--------|--|-----------------------------|--------------------|--------------|----------------------------------|---------------------|---------|---------------------|--------|--|--|
|        |  | Part number:                | 010B / 7L0032-7024 |              | SS Car Model: TOYOTA AVALON      |                     |         | WI-ENG-PDE-8        | 13     |  |  |
|        | Purpose:                               |                             | PROTOTYPE          | PRE-LAUNCH   | MASSPRO                          | Revision No.:       | 0       | Page No.:           | 8 of 8 |  |  |
| PARTS: | 1. Assy parts                          |                             |                    |              |                                  | JIG:                | N/A     |                     |        |  |  |
|        | VISUAL INSPECTION/ QUALITY CHECKPOINTS |                             |                    |              |                                  |                     |         |                     |        |  |  |
| CLA    | <b>CLAMP ASSY 7L0032-7024</b>          |                             |                    |              |                                  |                     |         |                     |        |  |  |
| GO     | OOD                                    | 2<br>1 No                   | Unlocked/ Half     |              | nector (5)                       | Io Missing/V        | Vrong u | 7<br>7<br>Ise of Ba | rcode  |  |  |
|        |  | $\stackrel{\bullet}{\succ}$ |                    |              |                                  |                     |         |                     |        |  |  |
| NO G   | OOD (                                  | 2)(3)                       | (4)(6) No N        | Aissing Clam | <b>p</b> (7)                     | No Deform           | ned Te  | rminal              |        |  |  |