| | WORK INSTRUCTION Effectivity Date: February 05, 2025 | | | | | | | | | | | | | | |
|---|--|-------------|--|-----------------|------------------|--------------------------------|--------------------------------|-----------------|------------------|------------------|----------|--------------------|----------------------------|-------------------|----------|
| | | | Process Name/Title: | | | | ASSEMBLY PRO | CESS | | | | Validity Date: n/a | | | |
| | | | Model code/Part number: | 011B | 1 | 7M0366-7020B | Customer: TRJ | Car Model | тоуо | TA-CAMR | Y Doc | ument No.: | | WI-ENG-PDE-1 | 77A |
| | | | Purpose: | PR | ОТОТҮРЕ | | PRE-LAUNCH | MASS | PRO | | Revi | ision No.: | 6 | Page No.: | 1 of 12 |
| PARTS: | : | | ector 6098-2220 (W); Conne Bmm; Black Corrugated tub | | | | | | | | | JIG: | 1. Insertion 2. Locking | w/ and w/o switch | cover |
| N | 0. | PF | ROCESS NAME | | | WORK PR | OCEDURE/ ILLUSTI | RATION | | | | TOOLS/PPE | | QUALITY POIN | ITERS |
| Table lay-out Table | | | | | | | | | | | | | u] | | |
| | 1 | A dditions | I Ovality paintara "Na inaufficia | ent tono" oo oo | unto ron o o o o | | avad Viaval inapastics/Ovalite | . 1 | | | | Prepared by | Reviewed by | Approved by | Noted by |
| 02/05/25 | 6 | checkpoi | nt. | • | | | | D.Castillo | C.Villanueva | A. Arañes | N/A | | | | |
| 10/18/24 | 5 | | al Work procedure/Illustration a r 6098-2220 (W)). | na notes on pa | ge 4-5 as | countermeasure for the cus | stomer claim (Broken lock of | D. Castillo | C. Villanueva | A.Arañes | n/a | _ | | | |
| 07/14/23 | 4 | process r | remplate; Inclusion of CAR MOD 10.4); Inclusion of Quality Check _l nts: Reminders/Notes and refere | points; Improve | Work proce | edure illustration (process no | .10 and 12); Improve Quality | 5, M. Ariola | J. Loterte | C. Villanueva | A.Arañes | D. Castillo | C. Villanueva | A.Arañes | n/a |
| Eff. Date | Rev. No | | | D | etails of C | hange | | Revised | Reviewed | Approved | Noted / | Est. Date: | June 02, 2022 | | |
| | Deta | ails of Cha | ange | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

MASTER COPY

| | | | | WORK INSTI | RUCTION | | Effectivity Date: | | February 05, 2025 |
|--------|---------|--|--|--------------|---|---|-------------------|-----|---|
| | | Process Name/Title: | | TAPING A | ASSEMBLY PRO | CESS | Validity Date: | | n/a |
| | | Model code/Part number: | 011B / | 7M0366-7020B | Customer: TRJ | Car Model: TOYOTA CAMRY | Document No.: | | WI-ENG-PDE-177A |
| | | Purpose: | ☐ PROTOTYP | E [| PRE-LAUNCH | MASSPRO | Revision No.: | | 6 Page No.: 2 of 12 |
| | | l . | | | | | | | |
| PARTS: | 1. Conn | ector 6098-2220 (W) | | | | | | JIG | Insertion jig with switch cover |
| NO. | Р | ROCESS NAME | | WORK PRO | OCEDURE/ ILLUSTF | RATION | TOOLS/P | PE | QUALITY POINTERS |
| 2 | P1 | Connector setting to insertion jig 6098-2220 (W) | Visual reference Press 1. Press the insertiousing left hand. | | the connector 6098-2220 (on jig. Release the lock after | Connector Orientation Release R (W) using right hand and insert to er insertion. | n/a | | CONNECTOR ORIENTATION ILLUSTRATION I-mark is align GOOD I-mark is not align 1 hole were only open NG NG 1. Use the provided jig per model 2. No wrong orientation of connector |

| | | | Effectivity Date: | | February 05, 2025 | | |
|--------|---------|---|---|--|-------------------|------------------|---|
| | | Process Name/Title: | TAPING AS | SSEMBLY PROCESS | Validity Date: | | n/a |
| | | Model code/Part number: | 011B / 7M0366-7020B | Customer: TRJ Car Model: TOYOTA CAMRY | Document No.: | | WI-ENG-PDE-177A |
| | | Purpose: | ☐ PROTOTYPE ☐ P | PRE-LAUNCH MASSPRO | Revision No.: | | 6 Page No.: 3 of 12 |
| | | | | | | | |
| PARTS: | 1. AVSS | of 0.3 wires Y L=733±3mm, | OR L=733±3mm | | | JIG | 1. Insertion jig |
| NO. | PI | ROCESS NAME | WORK PROC | TOOLS/ | PPE | QUALITY POINTERS | |
| 3 | P1 | Wire Insertion to Connector 6098-2220 (W) | 1. Hold the insertion jig using left hand. Get the Yellow wire and insert to connector using right hand. Connector using right hand. 3. Get the Orange wire and insert to connector using right hand. | Wire facing 2. Press the button using right thumb. slot for Orange wire will be open. 4. After insertion, push the lock using left thumb and then hold the wires and gently pull out the | n/a | | 1. No loose insertion 2. No wrong insertion 3. One by one insertion 4. No deformed terminal 5. No wrong wire facing Important reminders/Note/s: 1. Please hold the wire near terminal during insertion. 2. Make sure wires are properly inserted. Conduct Pull-Push-Pull-Push after insertion. Do not exert extra force. 3. Insertion mudt be from left to right. Document reference/s: 1. Refer to WI-PRO-CNC-017 for Wire and Strip Length Tolerance. 2. Please refer to GL-PRO-ASY-029 for Pull-Push procedure |

connector from jig using right hand.

CONFIDENTIAL: Any misuse or misappropriation, including unauthorized copying, reproduction in any form, disclosure or publishing of this document or any information herein is strictly prohibited.

NBC (Philippines) **MASTER COPY**

3. Get the Orange wire and insert to connector using right hand.

| | | | | WORK INSTI | RUCTION | | | Effectivity Date: | | Febru | ary 05, 2025 |
|----------|---------|-------------------------|--|--|-----------------|------------|--|-----------------------|-------|---|---|
| | | Process Name/Title: | | | ASSEMBLY PRO | CESS | - | Validity Date: | | 1 02.1 | n/a |
| | | Model code/Part number: | 011B / 7 | 7M0366-7020B | Customer: TRJ | Car Model: | TOYOTA CAMRY | Document No.: | | WI-EN | G-PDE-177A |
| | | Purpose: | ☐ PROTOTYPE | | PRE-LAUNCH | MASS | PRO | Revision No.: | | 6 Page N | o.: 4 of 12 |
| <u>L</u> | | 1 . | | | | | | 1 | | | |
| PARTS: | 1. Assy | parts | | | | | | | JIG | 1. Locking jig | |
| NO. | Р | ROCESS NAME | | WORK PRO | OCEDURE/ ILLUST | RATION | | TOOLS/F | PPE | QUALIT | Y POINTERS |
| 4 | P1 | Connector lock | GOOD Sen 2. Hold the assy part connector touch the second connector to the s | HANDLE Sor Sensor Sensor Susing left hand and in the sensor. Sound will be hand a sensor. | RETAIN SENSO | JER DR | 1.Check the Retainer loc insertion to locking jig. Note: Must be NO half-lo connector locking. on the direction of arrow. I | STEP 2 Make sure the | efore | object prior inser avoid half-lock of 2. Maintain 10mr to connector 3.Connector mus connector slot. 4. Make sure no locking process. 5.No wrong settin 6. No damaged of 7. No unlocked/ I Important ren 1. Incomplete alarm the jig. 2. No retainer proceed. 3. If encounter STOP and immattention of the | not touch or hit by any ion into locking jig to innector. In proper holding of wire to be fully inserted to offset setting before ag of connector. In connector lock half-locked connector. Ininders/Note/s: ocking process will on connector cannot |

| | _ | | | | WORK INSTR | RUCTION | | | | Effectivity Date: | | February | 05, 2025 |
|--------|---------|----------------------------------|------|---------|--------------|----------------|--------------------|----------------------|--|---|-------------------------------|---|--|
| | | Process Name/Title: | | | | ASSEMBLY PRO | CESS | | | Validity Date: | | n/a | |
| | | Model code/Part number: | 011B | 1 | 7M0366-7020B | Customer: TRJ | Car Model: | TOYO | TA CAMRY | Document No.: | | WI-ENG-PI | DE-177A |
| | | Purpose: | PR | OTOTYPE | | PRE-LAUNCH | MASSPI | RO | | Revision No.: | | 6 Page No.: | 5 of 12 |
| | | l | | | | | | | | | | | |
| PARTS: | 1. Assy | parts | | | | | | | | | JIG | 1. Locking jig 6098-22 | 220 |
| NO. | P | ROCESS NAME | | | WORK PRO | OCEDURE/ ILLUS | RATION | | | TOOLS | PPE | QUALITY P | OINTERS |
| 4 | P1 | Connector lock (Continuation) | HOL | D THE | R SLIDE | L STEP 2 | PULL-DOWN R SLII | 3. I loc pul pos one | cking jig using rill down and brir sition after lock e time only. 4. Remove the using left hand | e of the connect ight hand then g ng back to origin ing. Note: Pull of locked connect based on the bw the direction | gently nal down | 1. Please ensure that lock/retainer will not to object prior insertion i avoid half-lock connect 2. Maintain 10mm pro to connector 3.Connector must be connector slot. 4. Make sure no offse locking process. 5.No wrong setting of 6. No damaged connect 7. No unlocked/ half-locking half-locking half-locking process. | ouch or hit by any into locking jig to ctor. oper holding of wire fully inserted to et setting before connector. ector lock ocked connector. |
| | | | | 2 | L | 1 R | L L | | 2 R | 5. Ensure the connector is locked condi slide touchin connector locked on the sequence illu | in ition by g the ck | 2. No retainer in coproceed.3. If encountered a STOP and immedia attention of the leafurther instruction at the process. | abnomality, ately CALL the der. WAIT for |

| | | | | WORK INSTR | UCTION | | | | Effectivity Date: | | Ī | February | 05, 2025 |
|--------|---------------------|---|-----------------------|--|------------------------|----------------|----------------|---|---|-------------|---|--|--|
| | | Process Name/Title: | | TAPING A | SSEMBL | Y PROC | ESS | | Validity Date: | | | n/a | a |
| | | Model code/Part number: | 011B / | 7M0366-7020B | Customer: | TRJ | Car Model: | TOYOTA CAMRY | Document No.: | | | WI-ENG-PI | DE-177A |
| | | Purpose: | ☐ PROTOTYF | E | PRE-LAUNCH | | MASSPRO | 0 | Revision No.: | | 6 | Page No.: | 6 of 12 |
| | 1 | 1 | | | | | | | | ı | | <u>'</u> | |
| PARTS: | 1. Black 2. Assy | k Corrugated tube Ø5 L=25 parts | 1±3mm (no slit) | | | | | | | JIG | n/a | | |
| NO. | Р | ROCESS NAME | | WORK PRO | CEDURE/ I | LLUSTRA | TION | | TOOLS/ | /PPE | Q | UALITY P | OINTERS |
| 5 | | Wire insertion to Black Corrugated tube Ø5 L= 251±3mm (no slit) | L | (Allininin)) | (no sli wire a | it) using righ | | L= 251±3mm nsert the yellow eft hand. | n/a | | | ong use of pa | |
| 6 | P1 | Taping 1 Black Corrugated tube to Wire near connector | Start taping L 20±3 | 1. Hold the assy using left hand. Black tape using hand and start p taping. R 25±3mm | Get g right ore- | ooth hands an | d continue the | nnector 25±3mm using taping process. | 6 7 8 9 1 2 3 6 7 8 9 2 1 2 3 6 7 8 9 1 1 2 3 6 | 4 5 6 7 8 9 | 2.No pee 3. No loc 4. No wr 5. No wr 6. No mi 7. No ins Impo Note 1. Ple calib tape meas Docu 1. Re | ong dimensic ong use of ta ssing tape sufficient tape ortant remin /s: ease use rated/verific when gettin surement. | nders and ed measuring ng the ence/s: RO-ASY-001 |

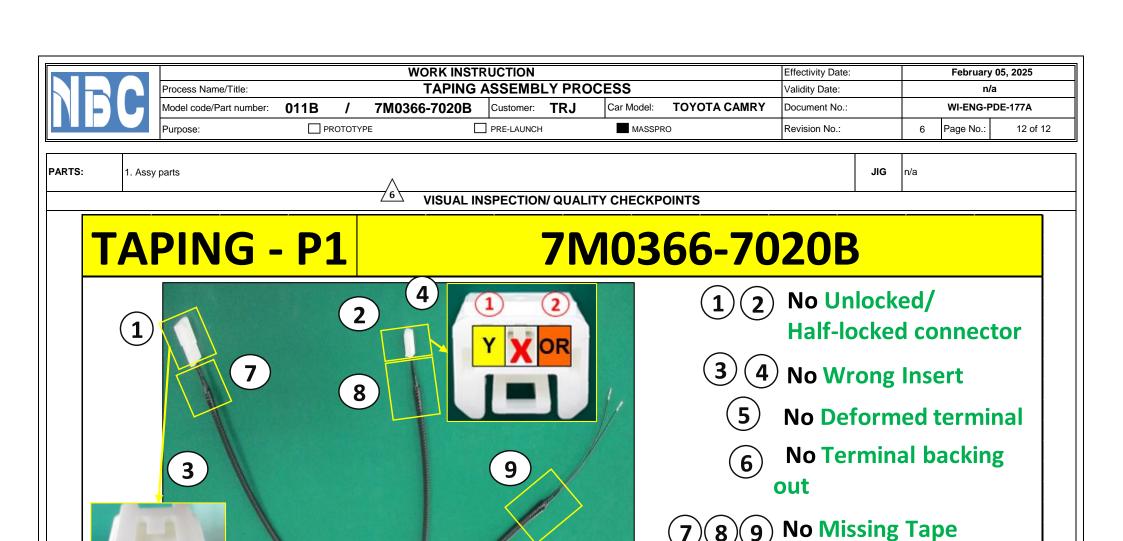
| | Process | | WORK II | NSTRUCTION | | Effectivity Date: | February 05, 2025 |
|--------|---------|--|---|---|---|-------------------|--|
| | | Process Name/Title: | TAPI | NG ASSEMBLY PROC | ESS | Validity Date: | n/a |
| | | Model code/Part number: | 011B / 7M0366-7020 | 0B Customer: TRJ | Car Model: TOYOTA CAMRY | Document No.: | WI-ENG-PDE-177A |
| | | Purpose: | PROTOTYPE | PRE-LAUNCH | MASSPRO | Revision No.: | 6 Page No.: 7 of 12 |
| | | <u> </u> | | | | | |
| PARTS: | | Corrugated tube Ø5 L= 413 of 0.3 wires B-B L=816±3mr | | 3. Assy parts 4. Connector 6098-3802 (| W) | JIC | 1. Insertion jig |
| NO. | PI | ROCESS NAME | WORK | PROCEDURE/ ILLUSTRA | ATION | TOOLS/PPE | QUALITY POINTERS |
| 7 | | Wire insertion to Corrugated tube Ø5 L= 413±3mm (no slit) | C C | parts (Y-OR wires w | L=816mm and combine to assy with COT Ø5 L= 251±3mm) using orrugated tube Ø5 L= 413±3mm and and insert the wires. | n/a | 1. No wrong use of parts 2. No deformed terminal Document reference/s: 1. Refer to WI-PRO-CNC-017 For Wire and Strip length tolerance. |
| 8 | P1 | Connector setting to insertion jig 6098-3802 (W) | Visual reference Pres 1. Press the insertion jig 2 | Insertion Jig Pres Reserved | lock after insertion. | n/a | 1. Use provided jig per model 2. No wrong orientation of connector CONNECTOR ILLUSTRATION GOOD 1. Use provided jig per model 2. No wrong orientation of connector CONNECTOR ILLUSTRATION GOOD NG GOOD 1. WG GOOD 1. WG |

| | | | WORK INSTRUCTION | | Effectivity Date: | February 05, 2025 |
|--------|---------|---|--|---|-------------------|--|
| | | Process Name/Title: | TAPING ASSEMBLY P | ROCESS | Validity Date: | n/a |
| | | Model code/Part number: | 011B / 7M0366-7020B Customer: TR. | J Car Model: TOYOTA CAMRY | Document No.: | WI-ENG-PDE-177A |
| | | Purpose: | ☐ PROTOTYPE ☐ PRE-LAUNCH | MASSPRO | Revision No.: | 6 Page No.: 8 of 12 |
| | 1 | <u> </u> | | | | |
| PARTS: | 1. Assy | parts | | | JIG | 1. Insertion jig |
| NO. | P | ROCESS NAME | WORK PROCEDURE/ ILLU | STRATION | TOOLS/PPE | QUALITY POINTERS |
| 9 | P1 | Wire insertion to Connector 6098-3802 (W) (Assy parts) | Wire fact L 1 Black wire R 1. Hold the insertion jig using left hand. Insert the 2 Black wires one by one to connector using right hand. L 3 Yellow wire using right hand. C 3 Orange wire S 5. Insert the Orange wire using right hand. | 2. Press the lower wire guide upward using right hand. Slot for Yellow wire will be open. 4. Press the button using right thumb. Slot for Orange wire wil be open. 6. After insertion, push the lock using left thumb and then hold the wires and gently pull out the connector from jig using sight board. | n/a | 1. No loose insertion 2. No wrong insertion 3. One by one insertion 4. No deformed terminal 5. No wrong wire facing Important reminders/Note/s: 1. Please hold the wire near terminal during insertion 2. Insertion of Wire must be from left to right. 3. Make sure wires are properly inserted. Conduct Pull-Push-Pull-Push after insertion. Do not exert extra force. Document reference/s: 1. Refer to GL-PRO-ASY-029 for Pull-Push procedure. |

| | | | | | WORK INST | RUCTION | | | | Effectivity Date: | | February | / 05, 2025 |
|--------|---------|-------------------------|---------------|--|--|--------------------------|--------------------------------------|--|---------------------------------|-------------------|-----|--|----------------|
| | | Process Name/Title: | | | TAPING | ASSEMB | LY PROC | ESS | | Validity Date: | | n/ | a |
| | | Model code/Part number: | 011B | 1 | 7M0366-7020B | Customer: | TRJ | Car Model: | TOYOTA CAMRY | Document No.: | | WI-ENG-P | DE-177A |
| | | Purpose: | PF | ROTOTYPE | | PRE-LAUNCH | 1 | MASSPR | 10 | Revision No.: | | 6 Page No.: | 9 of 12 |
| | | <u>I</u> | | | | | | | | | | | |
| PARTS: | 1. Assy | parts | | | | | | | | | JIG | 1. Locking jig | |
| NO. | Р | ROCESS NAME | | | WORK PRO | OCEDURE/ | 'ILLUSTRA | ATION | | TOOLS/ | PPE | QUALITY F | OINTERS |
| 10 | P1 | Connector lock | 3. Pre hand v | Right thu Left thur Right thu Left thur Right thu Left thur | pector into the jig holding connector, tip first. The connector in the jig holding connector, tip first. The connector using the middle. The connector in the jig holding the middle in the connector in the light the lig | ng right 6. Ensure that | 4. Press the using right the middle. | wer part of corthe locking jig. ght thumb-upget thumb-mide a upper part of hand while left L I locked condit based on the s | per dle connector hand holding | LOCKING | | 1. Use the provided model 2. No unlock/half-loc Important remindamaged connection Before pressing GOOD Full Lock | inders/Note/s: |

| | | | WORK INST | RUCTION | | Effectivity Date: | | February 05, 2025 |
|--------|----------------------|--|---|---|--|---------------------------|--------|--|
| | | Process Name/Title: | TAPING | ASSEMBLY PROC | CESS | Validity Date: | | n/a |
| | | Model code/Part number: | 011B / 7M0366-7020B | Customer: TRJ | Car Model: TOYOTA CAMRY | Document No.: | | WI-ENG-PDE-177A |
| | | Purpose: | ☐ PROTOTYPE | PRE-LAUNCH | MASSPRO | Revision No.: | | 6 Page No.: 10 of 12 |
| | | <u> </u> | | | | | | |
| PARTS: | 1. Black 2. Corru | tape gated tube Ø5 L= 233±3mn | n (no slit) | 3. Assy parts | | | JIG | Terminal cover jig |
| NO. | PI | ROCESS NAME | WORK PR | OCEDURE/ ILLUSTR | ATION | TOOLS/P | PE | QUALITY POINTERS |
| 11 | P1 | Taping 2 COT to wire near connector | Start taping 1. Hold the aparts using I hand. Get B tape using ri hand and stapre-taping. 25±3mm 20±3mm 0~5mm | left lack right art 2. Measure from C using both hands a process. | COT to Connector 25±3mm and continue the taping | MEASURING 6 7 8 9 1 2 3 4 | TAPE | 1. No flip-out tape 2.No peel-off tape 3. No loose tape 4. No wrong dimension 5. No wrong use of tape 6. No missing tape 7. No insufficient tape Important reminders and Note/s: 1. Please use calibrated/verified measuring tape when getting the measurement. Document reference/s: 1. Refer to WI-PRO-ASY-001 for taping procedure. |
| 12 | | Wire insertion to Black corrugated tube (no slit) Ø5 L=233±3mm | 1. Get the terminal cover jig using right hand and insert the Black wires using left hand. | Ø5 L=233±3m insert the wire | nck corrugated tube (no slit) num using right hand and se using left hand. | TERMINAL COVE | ER JIG | No wrong use of parts No deformed terminal |

| | | | | | WORK INST | RUCTION | | | | Effectivity Date: | | February 0 | 5, 2025 |
|--------|---------------------|--|--------------------------|----------|--------------|------------|-------------------------|------------|--------------------|-------------------|------|--|----------|
| | | Process Name/Title: | | | TAPING | ASSEMBL | Y PROC | ESS | | Validity Date: | | n/a | |
| | | Model code/Part number: | 011B | / | 7M0366-7020B | Customer: | TRJ | Car Model: | TOYOTA CAMRY | Document No.: | | WI-ENG-PD | E-177A |
| | | Purpose: | P | ROTOTYPE | | PRE-LAUNCH | | MASSPRO |) | Revision No.: | | 6 Page No.: | 11 of 12 |
| | , | | | | | | | | | • | | | |
| PARTS: | 1. Black 2. Assy | | | | | | | | | | JIG | n/a | |
| NO. | P | ROCESS NAME | | | WORK PRO | OCEDURE/ | ILLUSTRA | ATION | | TOOLS | /PPE | QUALITY PO | DINTERS |
| 13 | P1 | Taping Corrugated tube to wire near terminal | left hand. using righ | | ±3mm | 1±3mm then | end of COT continue the | m | s using both hands | MEASU TAP | E | 1. No flip-out tape 2.No peel-off tape 3. No loose tape 4. No wrong dimensior 5. No wrong use of tape 6. No missing tape 7. No insufficient tape Important reminders/Note, 1. Please use calibrated/verified tape when getting measurement. Document refer 1. Refer to WI-PRO for Taping proces Wire alignmen | rences: |



NBC (Philippines)

MASTER COPY

No wrong use tape