



WORK INSTRUCTION

Process Name/Title:

CLAMP ASSEMBLY PROCESS

Effectivity Date:

October 15, 2024

Model code/Part number:

780B / 7R0102-7023B

Customer:

TRMX

Car Model:

TOYOTA TUNDRA

Validity Date:

n/a

Purpose:



PROTOTYPE



PRE-LAUNCH



MASSPRO

Revision No.:

1

Page No.:

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PARTS:

1. Assy parts; Clamp 82711-16830 (B); Clamp 82711-52090 (W); Black tape [2pcs]; Label 7V4010-0020

JIG:

1. Clamp Assembly jig
2. Label Dispenser

NO.

PROCESS NAME

WORK PROCEDURE/ ILLUSTRATION

TOOLS/PPE

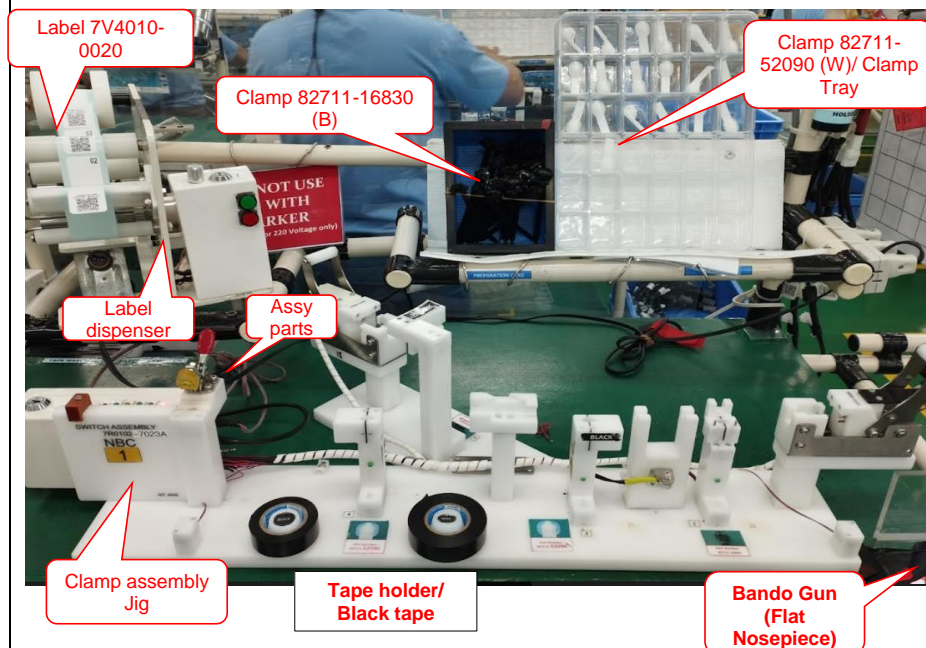
QUALITY POINTERS

1

Clamp
Assy

Table Lay-out

TABLE LAY-OUT



Safety Instruction

Be sure to wear prescribed personal protective equipment during operation (gloves, finger cots, etc.)

Housekeeping

1. Maintain and always practice 5's.
2. Personal things on the workplace is prohibited. Keep it in your locker.

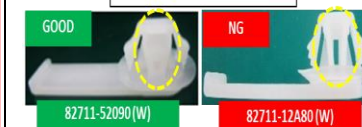
Alert level

For any trouble, inform the Assembly Assistant Supervisor or Line Leader for immediate corrective action.

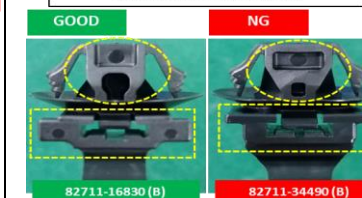
1. No missing parts/tools
2. No excess parts/tools

Important reminders/Note/s:
1. Please check the clamp first before setting to clamp assembly to avoid wrong use of clamp.

CLAMP ILLUSTRATION



BAND CLAMP ILLUSTRATION



Revision History

Eff. Date	Rev. No	Details of Change	Revised	Reviewed	Approved	Noted	Prepared by	Reviewed by	Approved by	Noted by
10/15/24	1	Change pre launch to mass pro.	A.Hernandez	C. Villanueva	A. Arañes	n/a	A.Hernandez	C. Villanueva	A. Arañes	n/a
10/14/24	0	Initial issue.	A.Hernandez	C. Villanueva	A. Arañes	n/a	A.Hernandez	C. Villanueva	A. Arañes	n/a

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DCC Stamp



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PROTOTYPE



PRE-LAUNCH



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PARTS:

1. Clamp 82711-16830 (B) [2pcs]
2. Clamp 82711-52090 (W) [2pcs]

3. Black tape [2pcs.]

JIG:

1. Clamp assembly jig

NO.

PROCESS NAME

WORK PROCEDURE/ ILLUSTRATION

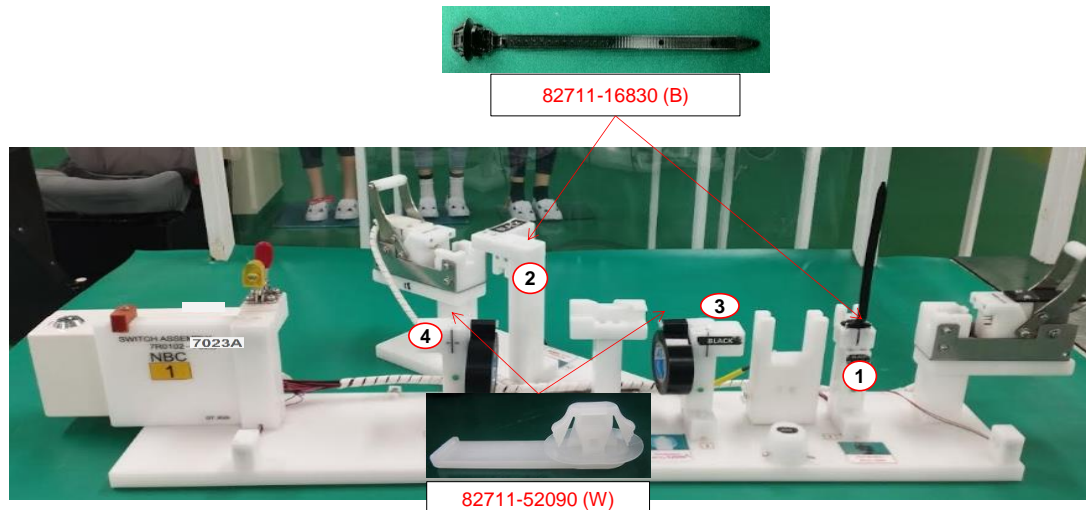
TOOLS/PPE

QUALITY POINTERS

2

Clamp
Assy

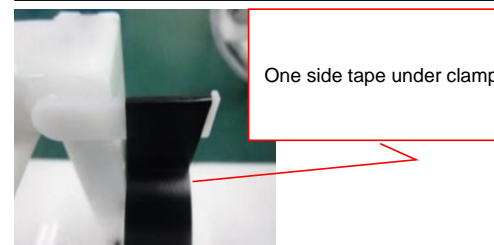
Clamp setting



1. Get **2pcs** of band clamp **82711-16830 (B)** using right hand and insert to clamp location **1** and **2** using both hands.

2. Get **2pcs** of clamp **82711-52090 (W)** using right hand and insert to clamp location **3** and **4** using both hands.

3. Get Black tape using right hand and put pre-tape on clamp location **3** and **4** using both hands.

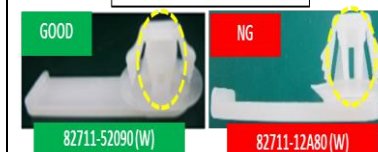


1. No wrong use of clamp
2. No damaged clamp
3. No wrong use of tape

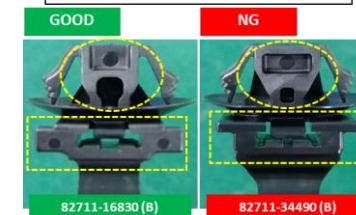
Important reminders/Note/s:

1. Please check the clamp first before setting to clamp assembly to avoid wrong use of clamp.

CLAMP ILLUSTRATION



BAND CLAMP ILLUSTRATION



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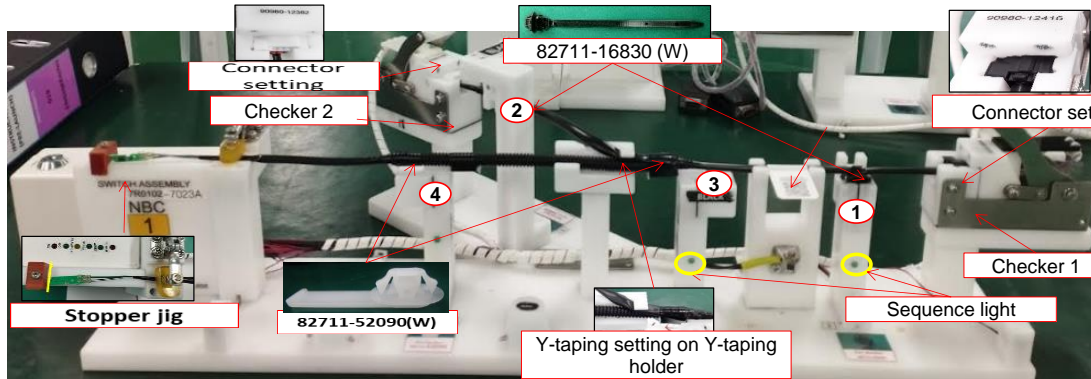

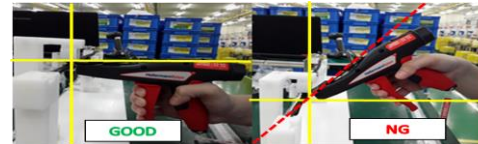
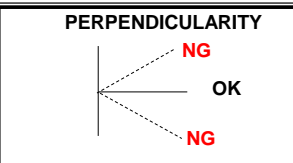


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PARTS:		1. Assy parts		JIG:	
NO.	PROCESS NAME	WORK PROCEDURE/ ILLUSTRATION		TOOLS/PPE	QUALITY POINTERS
3	Clamp Assy	Clamp Assembly (continuation)	<div></div> <div>4. Get the Bando gun using right hand and cut the band clamp on clamp location 1 and 2 using both hands. Press the switch button after every cutting.</div> <div>5. Tape the clamp on location 3 and 4 using both hands. Make 3 windings and cut the tape. Press the switch button after every taping. Go sound will be heard. <i>Continue on label Attachment. (Refer to the next page for label attachment).</i></div> <div>6. For label attachment, color sensor will light if detects the label code. After attachment, press the SW button using both index finger (same timing). Go sound will be heard.</div> <div>7. Conduct POINT CHECKING before removing the harness from jig.</div> <div><div>Fixed setting of band clamp cutter: 1 ~ 3</div></div> <div><div><div>BANDO GUN ALIGNMENT</div></div><div><div>PERPENDICULARITY</div></div><div><div>BANDO GUN FLAT NOSEPIECE</div></div></div> <div><div>NO GAP</div></div>	<div>1. No damaged clamp 2. No wrong use of clamp 3. No wrong use of tape 4. No missing clamp 5. No wrong use of bando gun</div> <div>Important reminders/Note/s:</div> <div>1. <i>Make sure no clearance between PCB and stopper jig</i></div>	

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PARTS:

1. Assy parts
2. Label 7V4010-0020

JIG:

1. Clamp Assembly jig
2. Label Dispenser

NO.

PROCESS NAME

WORK PROCEDURE/ ILLUSTRATION

TOOLS/PPE

QUALITY POINTERS

4

Clamp Assy

Label attachment

Model	Items	Item Name
7R0102	73240-0C140	Driver Manual
7R0103	73240-0C150	Driver Power
7R0104	73240-0C160	Driver PWR-MEM
7R0105	73230-0C170	Passenger Manual
7R0106	73230-0C180	Passenger Power

02

Model code

1. Get the label.

Note: Check the model code, item no. & name

Item no. & name



2. Align the end part of label in the jig.



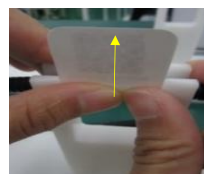
3. Fold the center part of the label



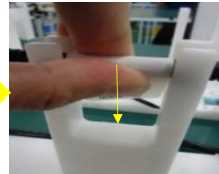
4. Align both end part of label .



5. After alignment, Press the label with both fingers .



6. Press the label upside down using finger.



GOOD

Acceptable overlap



NG

1. No bubbles
2. No damage
3. No peel off
4. No wrong use of label
5. No missing parts
6. No loose attachment
7. No wrong usage of label



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PARTS:		1. Assy parts		JIG:	n/a
NO.	PROCESS NAME	WORK PROCEDURE/ ILLUSTRATION		TOOLS/PPE	QUALITY POINTERS
5	Clamp Assy	Measurement		<div>Important reminders and note/s:</div> <div>1. Please use calibrated/verified measuring tape when getting the measurement.</div> <div>2. For Hatsumono, Nakamono and Owarimono.</div> <div>Document reference/s:</div> <div>1. Refer to WI-PRO-ASY-056 for Sub-assembly Hatsumono Nakamono Owarimono Inspection</div> <div>1. No wrong dimension</div>	

<div>④ 206 ±3</div> <div>③ 176 ±3</div> <div>② 31 ±3</div> <div>① 51 ±3</div> <div>Sunprene Tube Ø5 (B)</div> <div>COT Ø7 (B), no slit</div> <div>⑤ 190 ±5</div> <div>⑥ 35 ±5</div> <div>⑦ 115 ±5</div> <div>⑧ 35 ±3</div> <div>⑨ 85 ±5</div> <div>Vinyl Tube Ø7 (B)</div> <div>Vinyl Tube Ø5 (B)</div> <div>⑩ 0 +5</div> <div>⑪ 195 ±5</div> <div>⑫ 85 ±5</div> <div>⑬ 25 ±3</div> <div>⑭ 0 +5</div> <div>⑮ 0 -2</div> <div>⑯ 0 -2</div> <div>M</div> <div>P</div> <div>White</div> <div>73240-0C140</div> <div>MANUAL</div> <div>DRIVER</div> <div>⑰ 33 -3 +4</div> <div>⑱ 28 -3 +4</div> <div>S</div>	
MEASURING TAPE	
<div>6 7 8 9 40 1 2 3 4 5 6 7 8 9</div> <div>Serial No. 00-0</div>	

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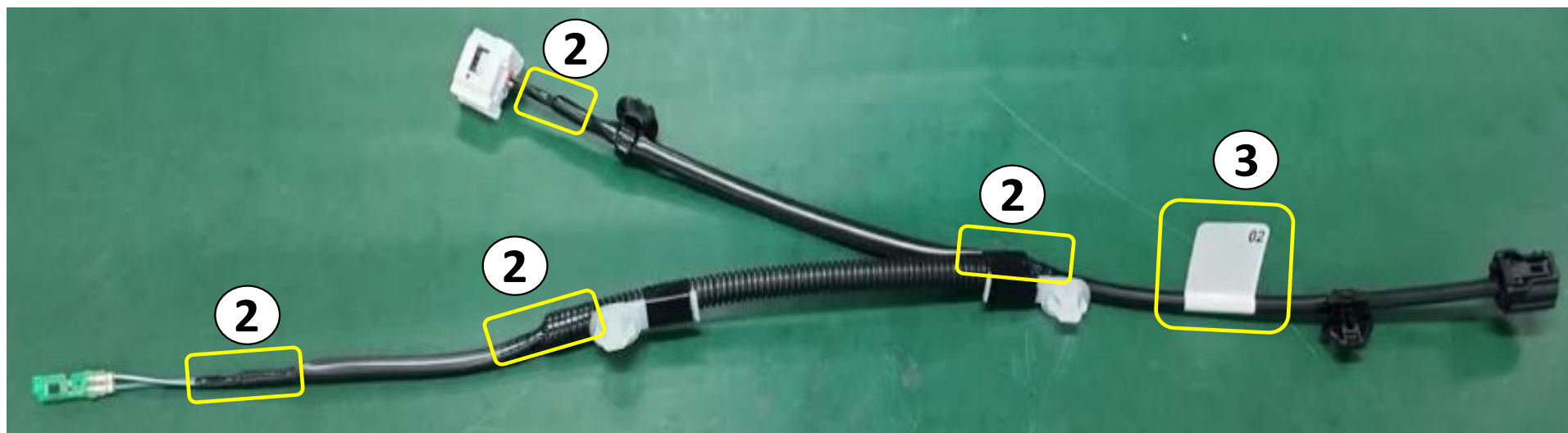
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PARTS:

n/a

JIG:

n/a

VISUAL INSPECTION/ QUALITY CHECKPOINTS**CLAMP ASSY****7R0102-7023B****1****Check the Clamp
Alignment****2****No Missing Tape****3****No Wrong Facing/Used
of QR Code label**

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