



MTII JPT 16P/20P/26P/36P CAP&PLUG ASS'Y

Instruction Sheet

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1. PART NUMBER AND PART NAME

1.1 Housing
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Part Number	Part Name
X-1743354-X	MTII JPT 16P CAP ASS'Y
X-1743350-X	MTII JPT 16P PLUG ASS'Y
X-936780-X	MTII JPT 20P CAP ASS'Y
X-936777-X	MTII JPT 20P PLUG ASS'Y
X-1897013-X	MTII JPT 26P CAP ASS'Y
X-1897009-X	MTII JPT 26P PLUG ASS'Y
X-1743062-X	MTII JPT 36P CAP ASS'Y
X-1743059-X	MTII JPT 36P PLUG ASS'Y

Table. 1

2.1 Contact

2.1.1 TAB Contact

Part Number	Part Name	Applicable Wire Range
0-963902-1	MTII	0.25 ~ 0.5 mm ²
0-963902-3		
0-963904-1		0.5 ~ 1.0 mm ²
0-963904-3		
1-962915-1	JPT	0.5 ~ 0.85 mm ²
1-962915-3		
1-962916-1		1.25 ~ 2.0 mm ²
1-962916-3		

Table. 2

1.2.1 REC. Contact

Part Number	Part Name	Applicable Wire Range
0-962875-1	MTII	0.25 ~ 0.5 mm ²
0-962875-3		
0-962876-1		0.5 ~ 1.0 mm ²
0-962876-3		
0-927770-3	JPT	0.5 ~ 0.85 mm ²
2-927770-1		
0-927766-3		1.25 ~ 2.0 mm ²
2-927766-1		

Table. 3

1.2 Component View
2





DESCRIPTOIN	16P CAP ASS'Y	16P PLUG ASS'Y
P/NO	X-1743354-X	X-1743350-X
IMAGE		
DESCRIPTOIN	20P CAP ASS'Y	20P PLUG ASS'Y
P/NO	X-936780-X	X-936777-X
IMAGE		
DESCRIPTOIN	26P CAP ASS'Y	26P PLUG ASS'Y
P/NO	X-1897013-X	X-1897009-X
IMAGE		
DESCRIPTOIN	36P CAP ASS'Y	36P PLUG ASS'Y
P/NO	X-1743062-X	X-1743059-X
IMAGE		

Table. 4

2. CUSTOMER RECEIVING INSPECTION

Tyco conducts inspection according to their quality control regulations to maintain an overall lot control. In addition, the customers should conduct receiving inspections based on the specific customer drawings.

3. STORAGE AND CARRY

3.1 Contact

- (1) Avoid receiving or carrying the contact reel in an open area without wrapping it in proper material.
- (2) Do not lift and carry the contact reel by gripping one the side of the reel, this may result in damage to the reel and contacts before use.

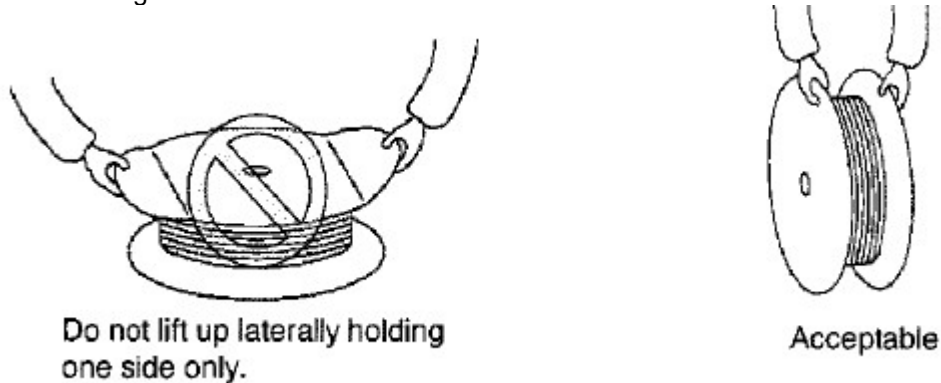


Fig. 1

- (3) Avoid storing the contact reel in a moist or dusty place. Stock the reel in a comparatively dry and clean place (5~34 °C, 45~85%RH) away from direct sunlight.
- (4) When removing the contact reel from the machine, fasten the end of the contact strip onto the edge of the reel with use of proper string or wire. Fig.2

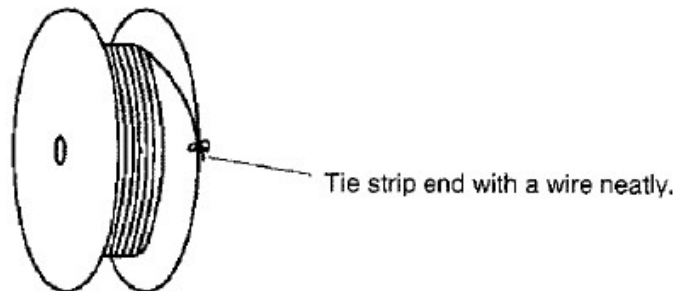


Fig. 2

3.2 Housing

- (1) Avoid storing the contact reel in a moist or dusty place. Stock the reel in a comparatively dry and clean place (5~35 °C, 45~85RH) away from direct sunlight.
- (2) Avoid leaving or carrying the housing in an open area without wrapping it in proper material.
- (3) Do not drop or shock the housing when carrying it.

4. CRIMPING OPERATION

4.1 Wire

4.1.1 Applicable Wire. See Fig.3 for applicable wire.

4.1.2 Notes FOR Stripping Wire End

Wire end must be stripped without cut or damage of wire stands.

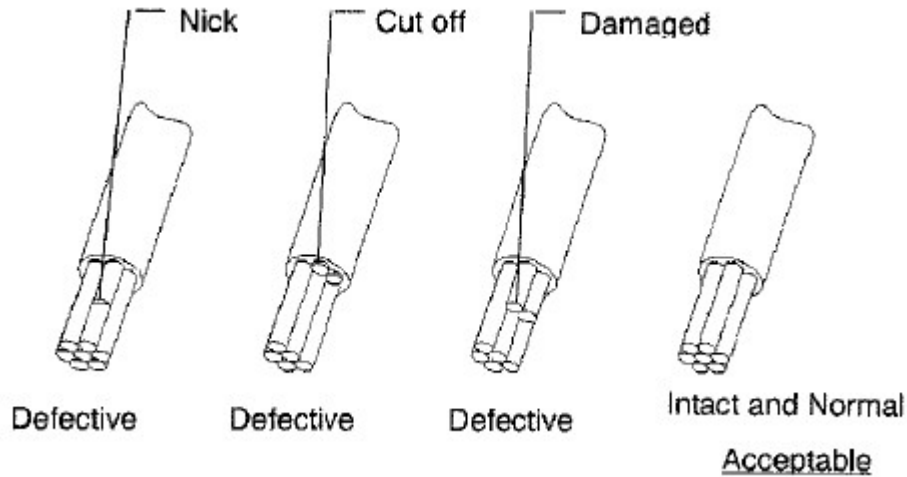


Fig. 3

4.2 Crimping Specification

See following Application Specification for each contact.

TAB	MTII	114-18082
	JPT	114-18051
REC.	MTII	114-18081
	JPT	114-18050

Table.5

4.3 Storage and Handling of Crimping Products

- (1) Store the products in a clean, dry area cover with proper sheet or paper when placed in an open area until the next day.
- (2) Care should be taken for tangle and deform of contacts in case of the leads should be in bands.
- (3) Do not stack the product so many layers. It makes electrical connection defective and low contact retention force by catch together or by deform causing the weight of themselves.
- (4) Must no hit tip of the contacts to coordinate the bundle. It makes mating or electrical defective.

5. HARNESS ASSEMBLY

5.1 Male Contact Insertion into Cap Assembly

Insert contacts into each specific cavity as shown in Fig. 4. Operation is completed when contact is latched, and the insertion is stopped.

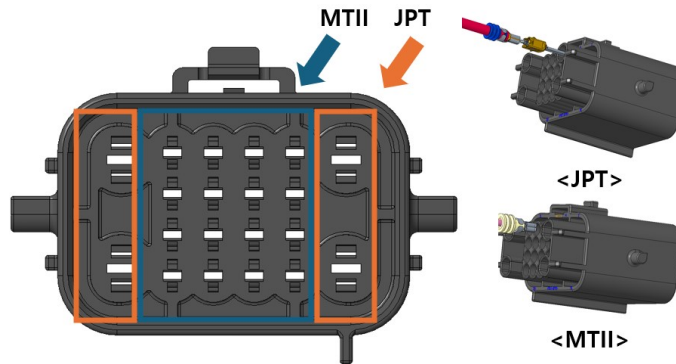


Fig. 4

NOTE: Insert contacts into cavity.

5.2 Male Contact Extraction

Extract the contact with specified tool inserted into proper hole until stopped at bottom end. (see Fig. 5) (It makes operation easier to press the contact to insertion direction once.)

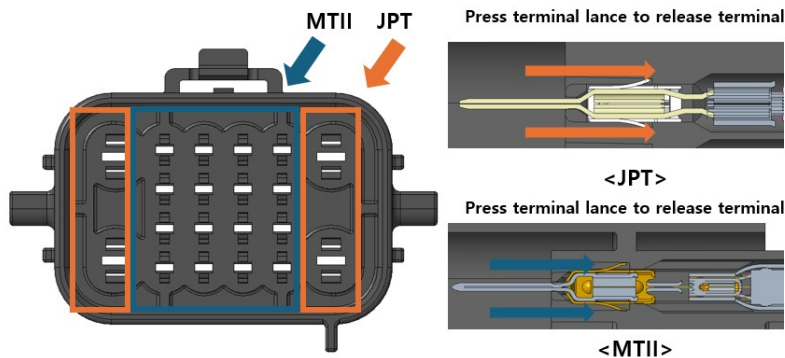


Fig. 5

Terminal	Extraction tool p/n
MTII	539960-1
sJPT	1-1579007-6

5.3 Female Contact Insertion into Plug Assembly

Insert each of contact with same direction in Fig. 6. Operation is completed when contact is latched, and the insertion is stopped.

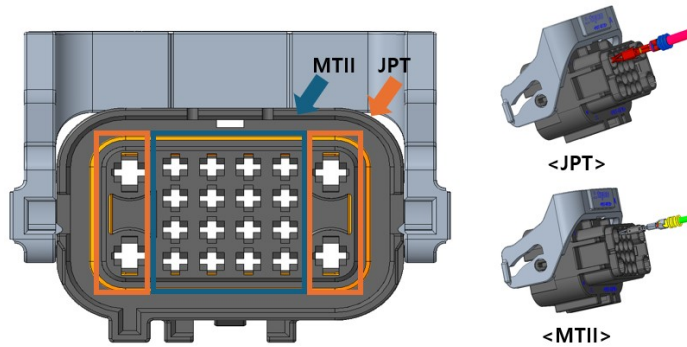


Fig. 6

NOTE: Insert contacts into cavity after verifying stabilizer of hole.

5.4 Female Contact Extraction

Extract contact with pulling the crimped wire while pressing latch slightly with extraction tool into the extraction hole. (It makes easier the operation that push the contacts to bottom end of the cavities once before the operation above-mentioned).

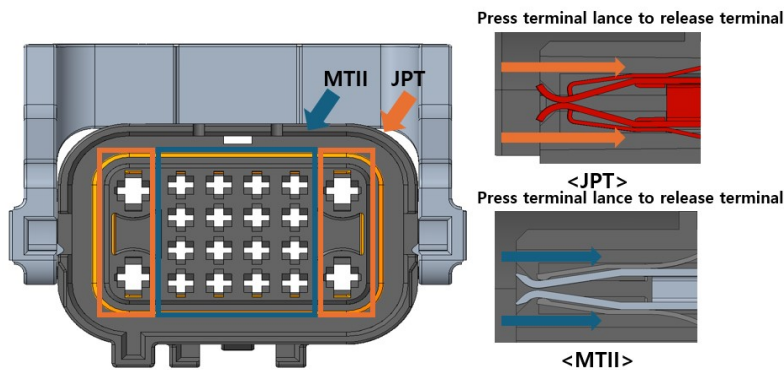


Fig. 7

Terminal	Extraction tool p/n
MTII	539960-1
JPT	1-1579007-6



5.5 Wire Harness Control

5.5.1 Handling

Do not apply too much force or shock against connector or harness.

5.5.2 Wire ties up and taping

Wires are tied up at apart from 30mm more from the end of connector. The operation be conducted carefully so that too much force is applied against the wires.

5.5.3 Conductivity Check

- (1) Use applicable mating connector or equivalent for conductivity check jig. Confirm Lever is in final lock condition.
- (2) Check probe pin must not be inserted inside of female contact.

NOTE: Contact must be replaced in case of the prove pin insertion.

5.5.4 Storage

Store the product dry and clean area. In addition, do not leave the product with exposed condition.

5.5.5 Shipping and Carrying

Use Proper package which can prevent product from dust, rain, etc. And handle carefully.

6. CONNECTOR MATING AND UNMATING OPERATION

6.1 Connector Mating

- (1) Check contact latching condition, proper wire tie up position.
- (2) In the next step, check no contact has deformation, discolor, damage, rust and housing have no deformation, crack breakage, and discolor.
- (3) Rotate Lever lock to mate female housing and male housing.

NOTE: In case of any trouble is found, replace it to new one.

NOTE: In case of any unexpected feeling such as double action or unsmooth insertion during the operation, Lever must be adjusted to at initial condition. Operation must be restarted. And the return to (4) operation.

6.2 Connector Unmating.

- (1) Release Lever lock and keep OPEN position.
- (2) Release female housing from male housing.