

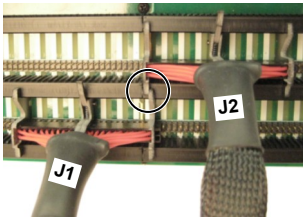
# Header Strip Tie Clips HSTC-10 Kit Instructions

Header Strip Tie Clips allow you to tie two connectors together and plug them into the Header Strip ensuring the connectors are not spaced apart, overlapped, or swapped.

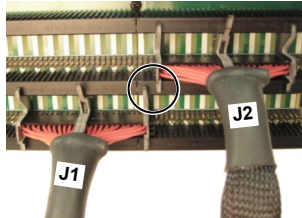


**Why using Tie Clips is critical:** Connectors without tie clips can inadvertently be plugged in overlapped, spaced apart, or swapped.

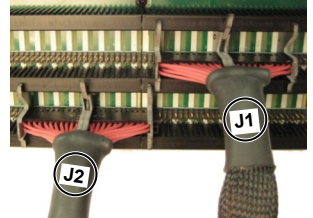
**✗ WRONG**  
(overlapped)



**✗ WRONG**  
(spaced apart)



**✗ WRONG**  
(swapped)



**Important:** Using Tie Clips ensures that both connectors are always plugged into the same pattern of test points. Once a smart adapter has been registered, the pattern must always be the same.

You should have received

bag of ten  
upper tie clips



bag of ten  
lower tie clips



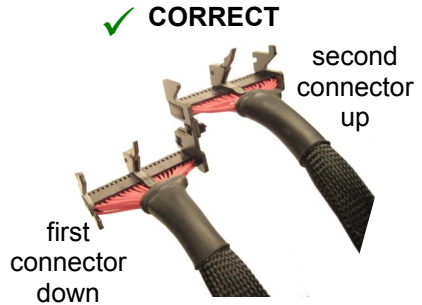
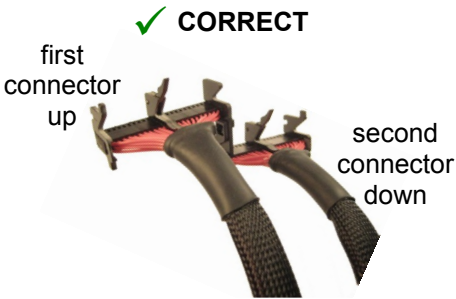
twenty tie wraps



## Installing the Clips

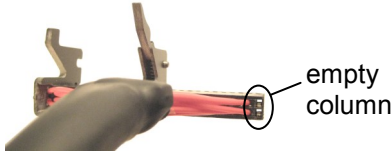
### Two Ways to Assemble the Clips

Connectors may be attached in either orientation shown below. The following steps will show the orientation at left, but either is correct.

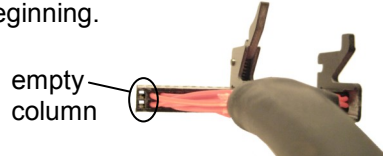


### When Assembling the Connectors for the Tie Clips

Prepare the first connector so it has one empty column at its end.

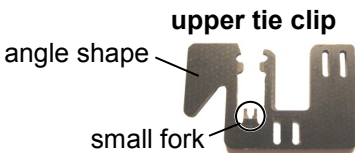


Prepare the second connector so it has one empty column at its beginning.

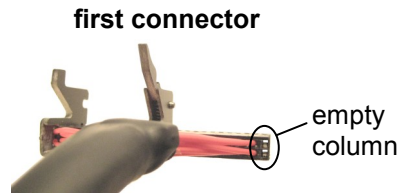


### Attach the Upper Tie Clip on the First Connector

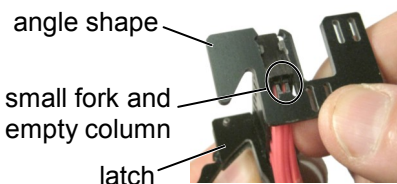
1. Find an upper tie clip. Note the small fork and angle shape on the upper tie clip.



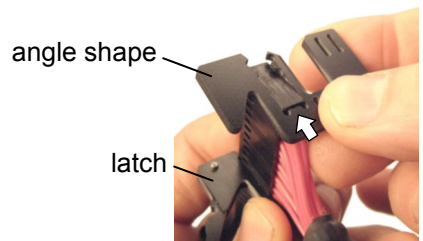
2. Find the first connector. Note the empty column.



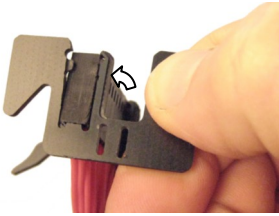
3. Position the small fork next to the empty column. Make sure small the angle shape is on the same side as the latch.



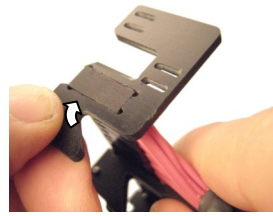
4. Insert the small fork of the upper clip into the empty column.



5. Force open one side of the clip and insert its bump into the connector slot.

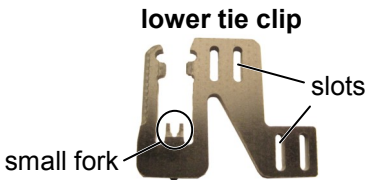


6. Open the other side of the clip and insert it into the connector slot.

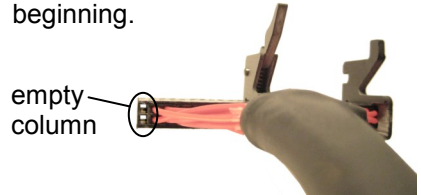


### Attach the Lower Tie Clip on the Second Connector

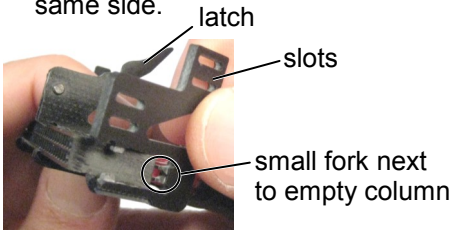
1. Find a lower tie clip. Note the small fork and slots on the lower tie clip



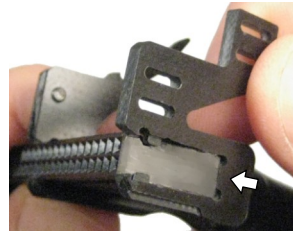
2. Prepare the second connector so it has one empty column at its beginning.



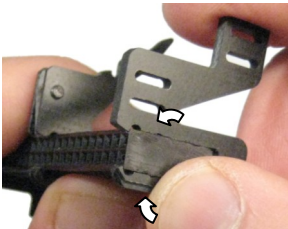
3. Position small fork next to the empty column. Make sure the latch and the slots are on the same side.



4. Fully insert the small fork into the empty column.



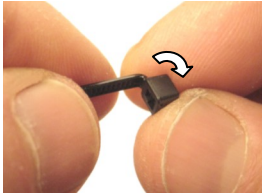
5. Spread and insert both sides of the clip into the connector.



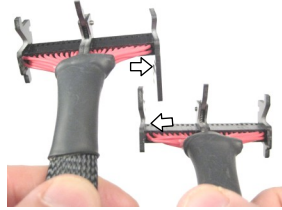
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## Attach the left and right clips

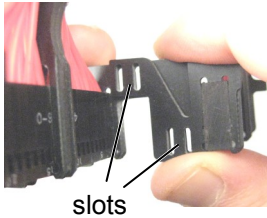
1. Prepare two tie wraps by bending the ends of both tie wraps.



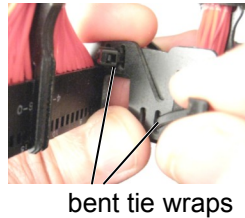
2. Overlap the connectors.



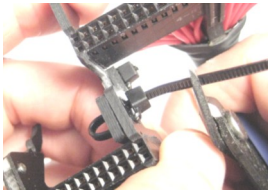
3. With the connectors overlapped, align the tie clip slots.



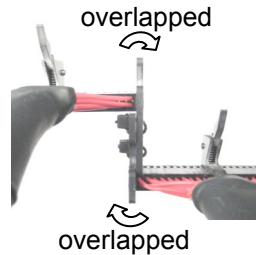
4. Insert a bent tie wrap in each of the slots.



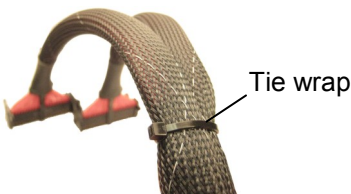
5. Loop each tie wrap through the slots, pull tight, and clip off.



6. The completed assembly should look like this. Inspect to make sure the tie clips are overlapped.



7. Tie wrap the cables together 20 to 30 cm (8 to 12 in.) from the Header Strip connectors.



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