

Subject <b>HVAC Suction Hose Quick Connect Fitting Reassembly Confirmation</b>		Market <b>USA</b>
Service Category <b>Vehicle Interior</b>	Section <b>Heating/Air Conditioning</b>	
Applicability <b>Applicable Models</b>		

**APPLICABLE VEHICLES**

2019-2020	C-HR	2012-2020	Camry
2016-2020	Prius	2019-2020	Avalon
2019-2020	Avalon HV	2020	Highlander
2012-2019	Yaris	2020	Highlander HV
2019-2020	RAV4	2019-2020	RAV4 HV
2020	Corolla	2018-2020	Camry HV
2012-2020	Prius C		

**CONDITION**

Any HVAC repair requiring reassembly of the quick connect fitting between the suction hose sub-assembly and the suction pipe sub-assembly located at the top right of the engine compartment.



**RECOMMENDATIONS**

Inspect the O-ring mating surfaces of the suction hose/pipe sub-assemblies for any evidence of damage per T-TT-0520-19.

If there is no damage, replace the pipe clamp and two O-rings and reassemble the quick connect fitting per the procedures in the repair manual. During reassembly, confirm a click sound is heard as the pipe clamp engages. After reassembly, **rotate the pipe clamp and ensure it turns freely** to confirm the clamp is fully engaged.

Subject

# HVAC Suction Hose Quick Connect Fitting Reassembly Confirmation

Market

USA

Applicability

## RECOMMENDATIONS

### INSTALLATION

#### 1. INSTALL PIPING CLAMP

(a) Install a new piping clamp onto the suction hose.

Text in Illustration

*1	Piping Clamp
*2	Groove
*3	Suction Hose

**NOTICE:**

Securely engage the inside step of the piping clamp in the suction hose groove.

- (b) Remove the vinyl tape from the open ends of the air conditioner tube and accessory and suction hose.
- (c) Thoroughly coat a new O-ring and the contact surface of the suction hose with compressor oil (ND-OIL8).
- (d) Install the 2 O-rings onto the suction hose.

**NOTICE:**

Do not let foreign matter adhere to the O-ring or O-ring seal.

(e) Engage the air conditioner tube and accessory and suction hose by matching the alignment marks.

Text in Illustration

*1	Large Diameter Section of Piping Clamp
*2	Alignment Mark
*3	Alignment Mark (yellow)

**NOTICE:**

Insert them by holding the pipe, not the piping clamp.

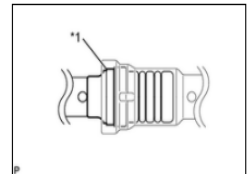
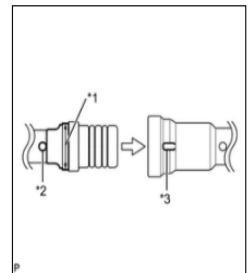
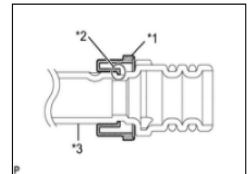
(f) Securely insert the piping clamp to the point where the large diameter section of the piping clamp is covered by the air conditioner tube and accessory.

Text in Illustration

*1	Large Diameter Section of Piping Clamp
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**HINT:**

- When inserting, make sure that a click sound is heard.
- Check that the air conditioner tube and accessory is securely inserted by pulling it.



## LINK REFERENCES

This Tech Tip does not contain any link references