

July 10, 2019

Version 1

## Whistling from Center Dash Area

### AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2019	RDX	2WD	ALL
		AWD	
2020	RDX	AWD	5J8TC2...LL000001 thru 5J8TC2...LL000240

### SYMPTOM

A whistling is heard from the center dash area when the engine is running with the A/C system cycling, or a few seconds after the ignition is turned to OFF.

### POSSIBLE CAUSE

There is a vibration within the A/C expansion valve.

### CORRECTIVE ACTION

Replace the A/C expansion valve.

### REQUIRED MATERIALS

Part Name	Part Number	Quantity
Refrigerant Oil (ND-OIL 14 (120 ml))	38899-50Z-G03	1

### PARTS INFORMATION

Part Name	Part Number	Quantity
Expansion Valve	80220-TJB-A42	1
O-Ring (5/8 in)	80871-SN7-003	3
O-Ring (8 mm)	80873-ST7-000	2
O-Ring (1/2 in)	80872-SN7-003	1

**CLIENT INFORMATION:** The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Acura automobile dealer.

## WARRANTY CLAIM INFORMATION

The normal warranty applies.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
615130	Replace the A/C expansion valve.	1.1 hr				
620025	Recovery and charging of the A/C refrigerant. <b>NOTE</b> R-1234YF	0.7 hr	03214	04201	B19014A	80220-TJB-A41

Skill Level: Repair Technician

## REPAIR PROCEDURE

1. Recover the refrigerant from the A/C system. Refer to A/C Refrigerant Recovery/Evacuation/Charging procedure in the service information.

### NOTE

Measure the amount of refrigerant oil removed from the A/C system after the recovery process is completed. Make sure to put the same amount of new refrigerant oil back into the A/C system before charging.

2. Relocate the coolant reservoir, and remove the engine cover.

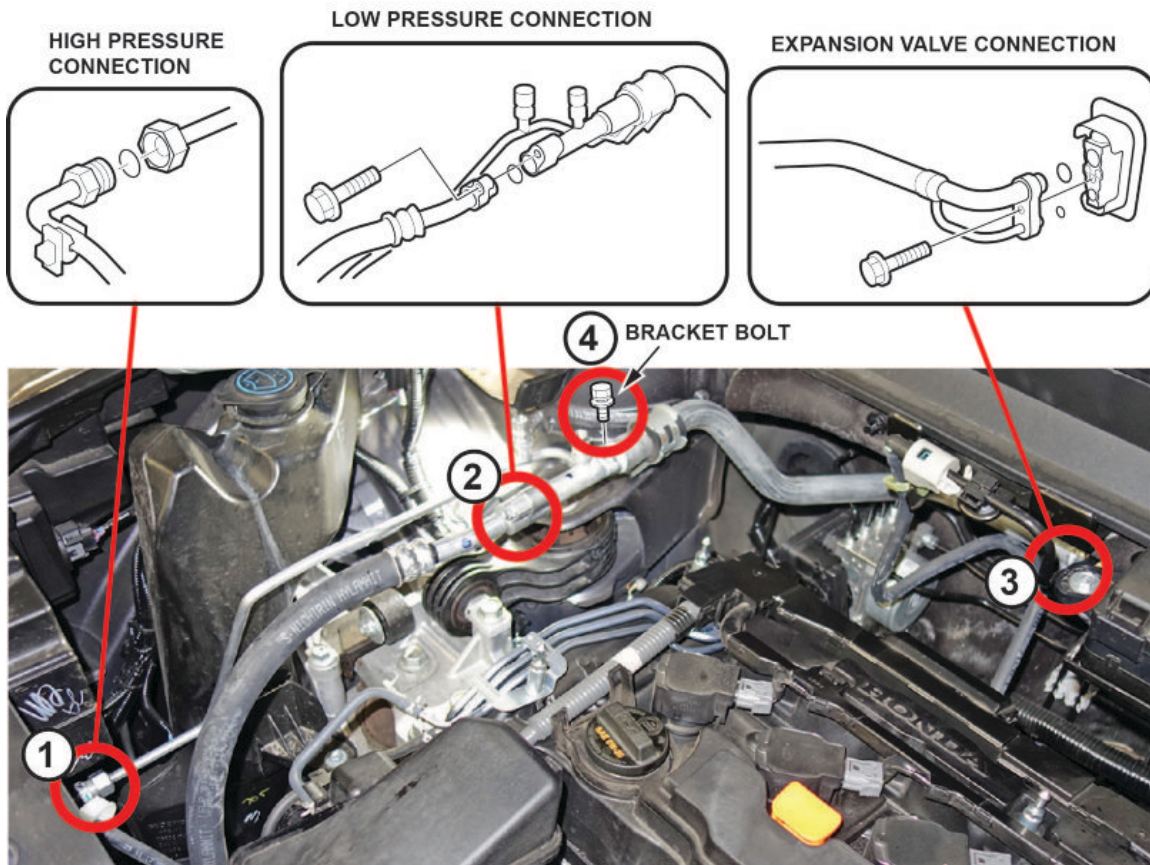
COOLANT RESERVOIR



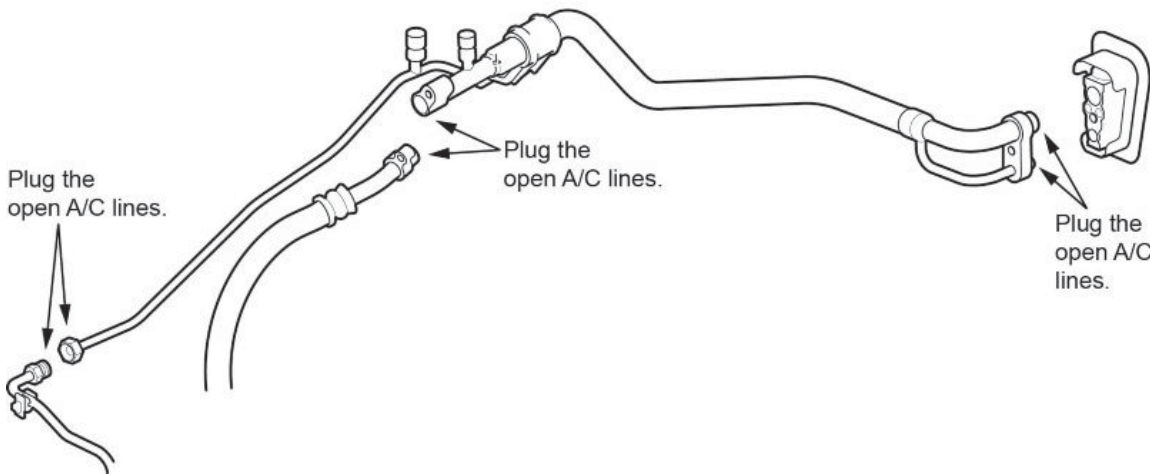
ENGINE COVER



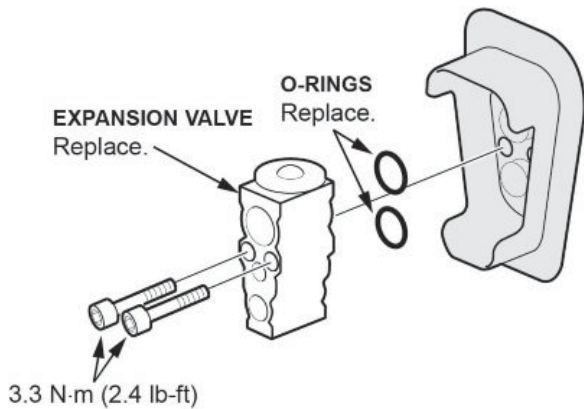
3. To prevent damage to the A/C line, carefully disconnect the lines as shown below and remove the bracket bolt.



4. Plug all open A/C lines immediately after removal to prevent dust and moisture from entering the system.



5. Remove the two bolts, then remove the expansion valve.



6. Install the new expansion valve. Make sure you replace the O-rings with new ones, and torque the bolts to **3.3 N·m (2.4 lb-ft)**.

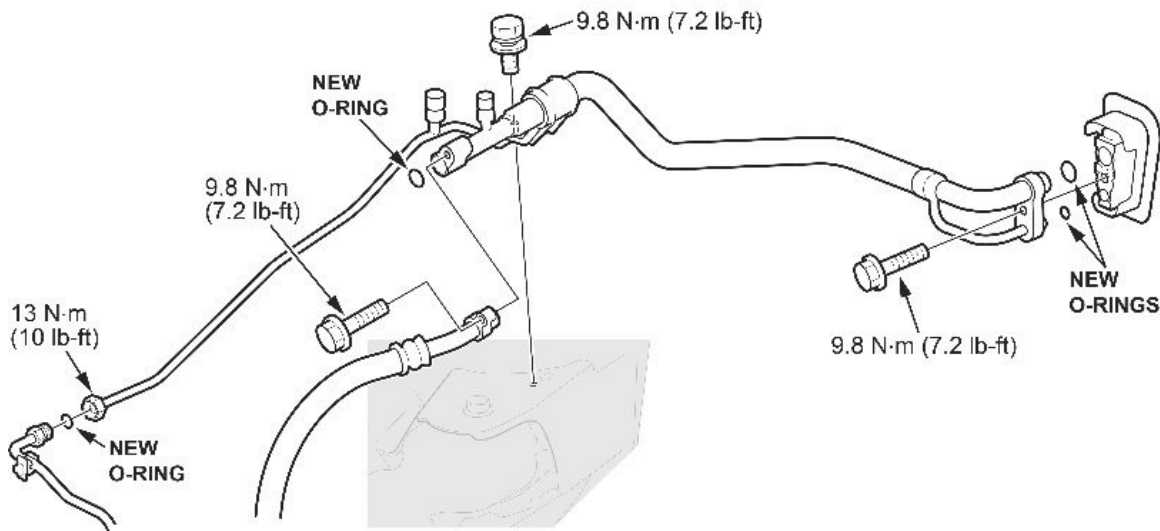
**NOTE**

To avoid damage, apply a thin coat of refrigerant oil to the new O-rings before installing them on.

7. Install the A/C line. Make sure you replace all of the O-rings with new ones, and torque all of the bolts as shown below.

**NOTE**

To avoid damage, apply a thin coat of refrigerant oil to the new O-rings before installing them on.



8. Charge the A/C system. Refer to the service information.

**NOTE**

If the A/C system has been open to the atmosphere for several days, replace the receiver/dryer, drain the refrigerant oil, and add fresh oil. Then, evacuate the system for several hours before charging it.

9. Install the engine cover and the coolant reservoir.  
10. Make sure the noise is gone.

END