

## #PIC6447: Water Leak - Passenger Side Carpeting May Be Wet When Using the Air Conditioning - (Oct 12, 2021)

Subject: Water Leak - Passenger Side Carpeting May Be Wet When Using the Air Conditioning



Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Corvette	2020 - 2022		All	All	All	All

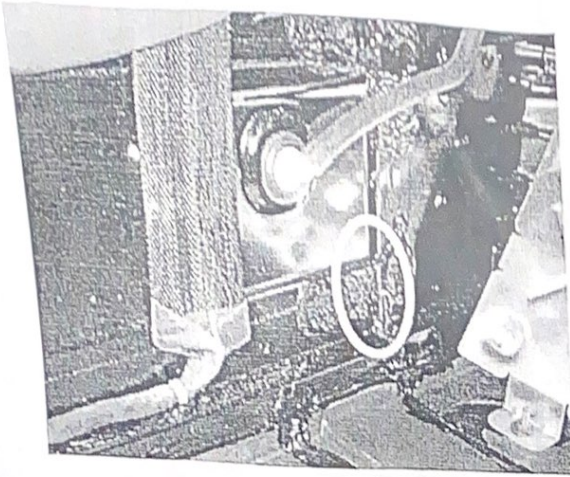
<b>Involved Region or Country</b>	North America and Export Regions
<b>Condition</b>	Some customers may comment that the passenger side carpeting may be damp or wet after using the air conditioning for some time.
<b>Cause</b>	This issue may be the result of water leaking from the HVAC case into the passenger compartment, on the passenger side of the vehicle.

### Correction

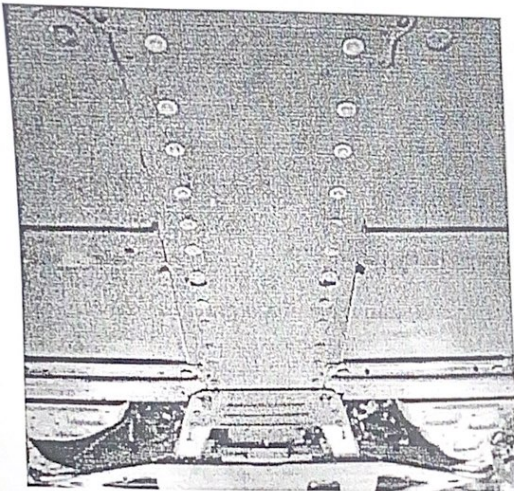
If the passenger side carpeting is found to be wet after the air conditioning has been used, the cause of this may actually be one of two different scenarios, both explained below. It is imperative that BOTH conditions are examined when a car comes in for this concern. If a vehicle exhibits both issues but the servicing technician only addresses one of them, assuming that the vehicle has been fully repaired, he may have a comeback shortly thereafter with the same complaint, even though the leak may be coming from a separate area.

Condition #1 - The AC drain tube on this vehicle is located on the RH side of the center console. It is located behind the carpeting that runs vertically up the side of the center console assembly. The possibility exists that the AC evaporator drain tube may be partially or fully disconnected from the body panel. Refer to Service Update #N212327740 for further information on this condition.

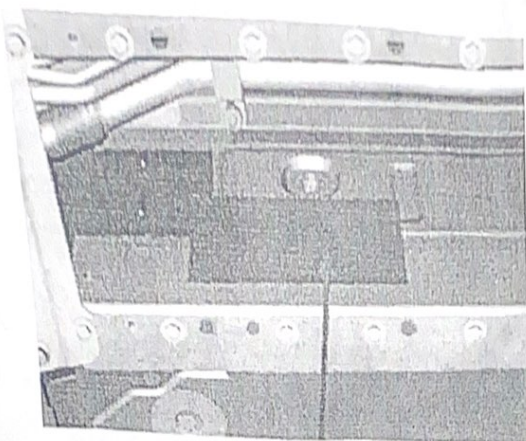
Condition #2 - As previously mentioned, even if an issue was found with Condition #1, all service technicians should also inspect / water test the vehicle for BOTH conditions listed in this document. Another leak point that has been identified on this vehicle is a seam between two body panels that is located just fore and several inches below where the AC drain tube exits the vehicle. This area can be seen in the photo below.



A gap in the seam sealer along this location may also allow water from the AC drain system to leak back inside the vehicle. To correctly repair this leak, a two-step approach is taken. First, the technician must seal the seam between the two body panels **INSIDE** the vehicle with seam sealer, available from any local body shop. Once that has been done, technicians are to seal the **OUTSIDE** of the vehicle to prevent water from getting to this area in the first place. To begin, first lift the car and remove the Floor Panel Tunnel Panel Front Reinforcement (currently found on SI document ID 5358807.) This is the long, narrow panel that covers the area historically referred to as the "transmission tunnel." This will allow access to the "outside" of the panels where the water is leaking in at.



Once this panel has been removed, stand in the middle of the vehicle facing the front of the car. If you look upwards and to the right, you will see the AC drain tube exiting the center console area of the vehicle. Just below this AC drain tube, the technician is to inspect for the presence of a black mastic patch that is covering the seam between these two body panels. This patch can be seen in the computer image seen below.



The patch may or may not be present on the particular vehicle that is being serviced. It was not added at the assembly plant until later built vehicles. If the patch is not present, obtain a large piece of mastic from the parts department and apply it to the body so that this seam area is completely covered. Use the image above as a guide for size and placement. Be sure to wet out the patch correctly, using a roller, or a large socket. This will ensure that the adhesive is completely sealed to the body panels and no water may enter the vehicle in this location. If there already is a black mastic patch present in this location, it should be removed and replaced with a new one. Install the new patch following the same directions as listed above. This two-step repair will provide assurance that no further water leaks will occur in this area again.

**Warranty Information**

The correction for this concern may be one of several repairs described above. For vehicles repaired under warranty, please use the appropriate warranty labor operation based on the actual cause and repair.

<b>Version</b>	1
<b>Modified</b>	10/12/2021 — Created on.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



WE SUPPORT  
VOLUNTARY  
TECHNICIAN  
CERTIFICATION