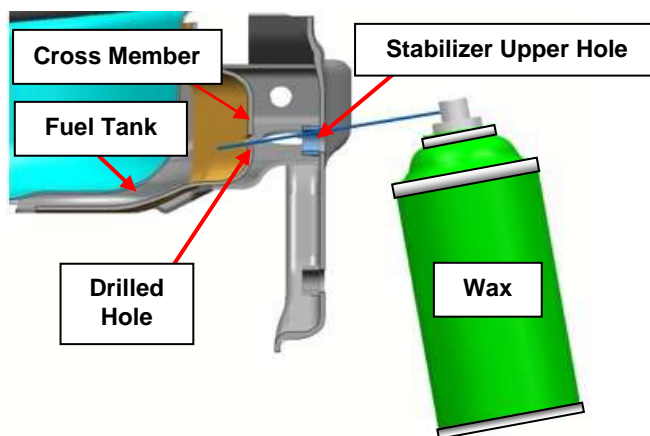
	GROUP <b>Service Campaign</b>	MODEL <b>Rondo (UN) 2007/2010MY</b>
	NUMBER <b>SC 093</b>	DATE <b>December 2011</b>
<b>VOLUNTARY SERVICE CAMPAIGN</b>		
<b>SUBJECT: PREVENTIVE SERVICE AGAINST CORROSION OF REAR CROSS MEMBER (SC093)</b>		

This Service Campaign provides information relating to Rondo (UN) vehicles built from September 15, 2006 to October 14, 2010 and provides a procedure to apply additional anticorrosion protection to the rear cross member. Owners of 2007-2010MY Kia Rondo (UN) vehicles currently registered in the 21 states which are known to use heavy amounts of road salt are being notified to schedule an appointment with the nearest Kia dealer. The 21 states are: CT, DC, DE, IA, IL, IN, MA, MD, ME, MI, MN, MO, NH, NJ, NY, OH, PA, RI, VT, WI, WV. This TSB outlines the service procedure for applying cavity wax to the rear cross member.



### **\* NOTICE**

All vehicles potentially subject to this campaign should be verified to be not completed. WebDCS> Warranty Coverage> Warranty Coverage Inquiry> Check Open Campaign Status.

### **\* NOTICE**

To assure complete customer satisfaction, always remember to refer to WebDCS Warranty Coverage (validation) Inquiry Screen (Service>Warranty Coverage>Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.

File Under: <Voluntary Service Campaign>

Circulate To: ☒ General Manager ☒ Service Manager ☒ Parts Manager  
☒ Service Advisor(s) ☒ Technician(s) ☒ Body Shop Manager ☐ Fleet Repair

**Service Procedure:**



**CAUTION**

This procedure should only be performed in temperatures above 32° F (0° C). Ensure that all surfaces are completely dry and free of moisture before applying cavity wax.

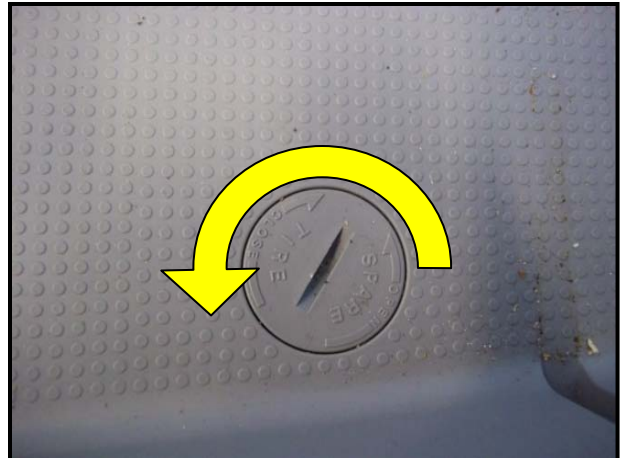


**WARNING**

Procedure must be performed in a well ventilated area. Safety glasses must be worn at all times.

1. Remove the spare tire assembly that is located next to the muffler.

The spare tire release knob is located in the rear cargo box. Turn this knob counter-clockwise to drop down the spare tire.



Spare tire location shown in the photo on the right.



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2. Lift up the vehicle on a hoist.

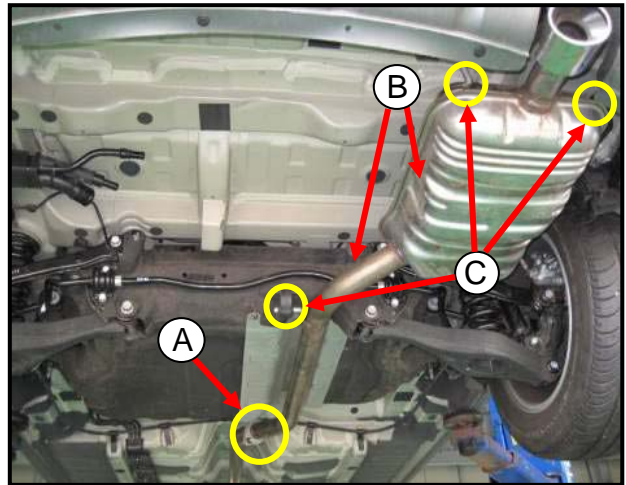
Remove the muffler shielding by removing the four (4) 10 mm bolts as indicated in the circles.



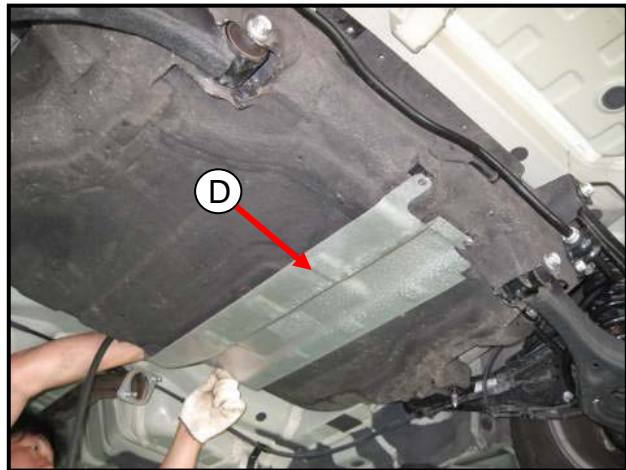
3. Remove the two (2) 19 mm flange nuts (A), and then remove muffler and pipe assembly (B) from the three (3) donut hangers (C).

**CAUTION**

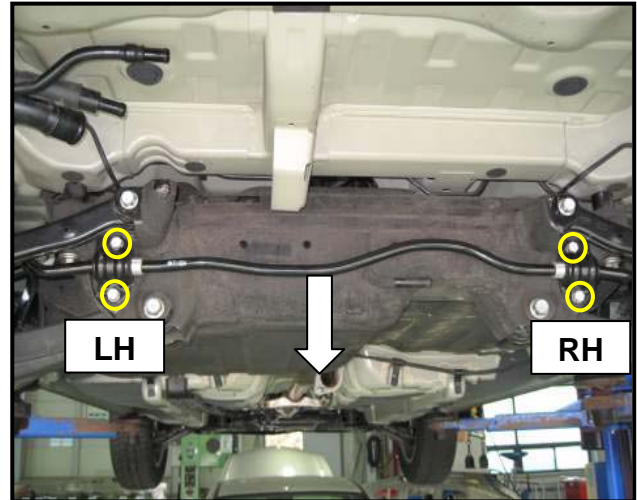
When reinstalling muffler, be sure to use a new muffler gasket, and if necessary replace the exhaust flange nuts.



4. Remove the four (4) 10 mm fuel tank heat protector bolts, and then remove the fuel tank heat protector (D) as shown in the photo.



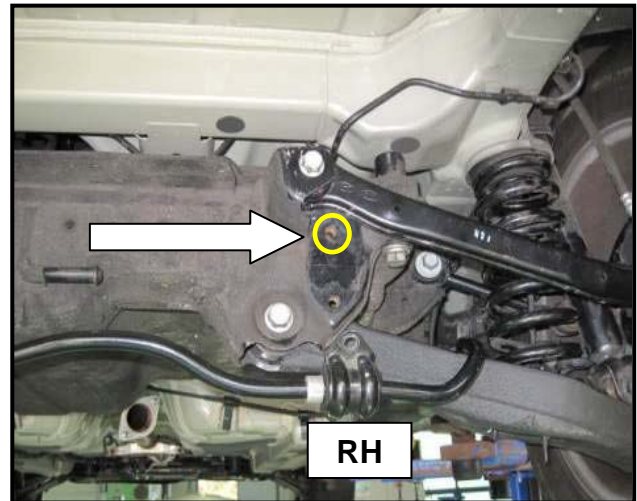
5. Remove the four (4) 14 mm rear stabilizer bar mounting bolts on both sides, and then let the rear stabilizer bar hang down.



6. Use a  $\Phi$  5 mm drill bit to drill a hole in the rear cross member through the stabilizer bar mounting upper hole on the right side.

**CAUTION**

Adjust the length of the exposed drill bit to approximately 1 3/4 inches (45 mm). If length is over 1 3/4 inches (45 mm), damage may occur to the fuel tank lower panel when drilling.



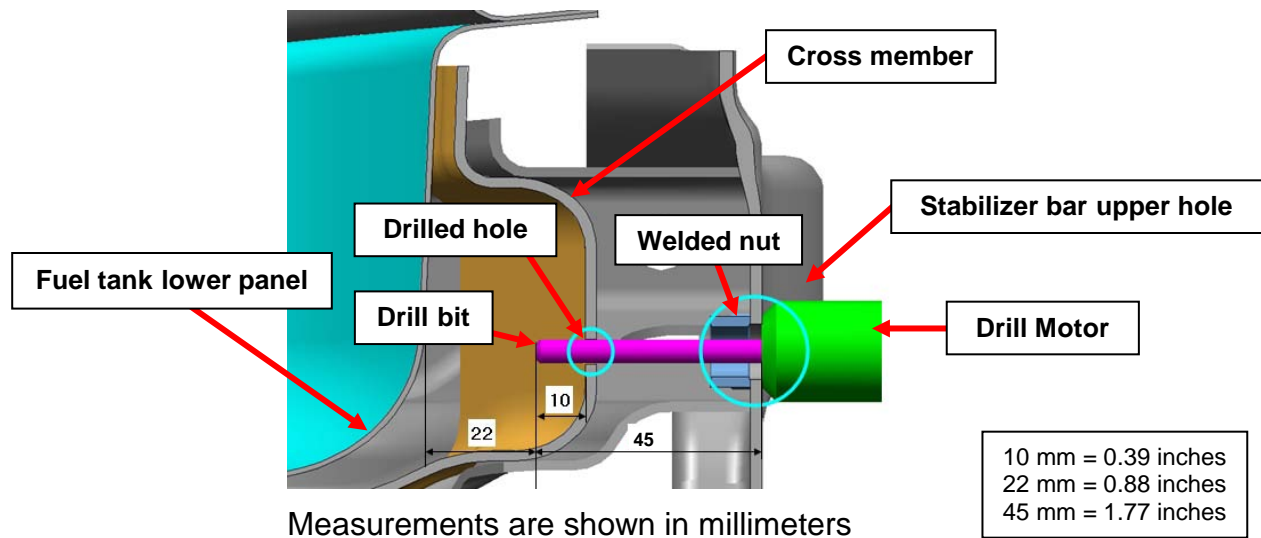
7. Insert the drill bit straight through the stabilizer bar mounting upper hole until it dead ends and start drilling a hole in the rear cross member.

**CAUTION**

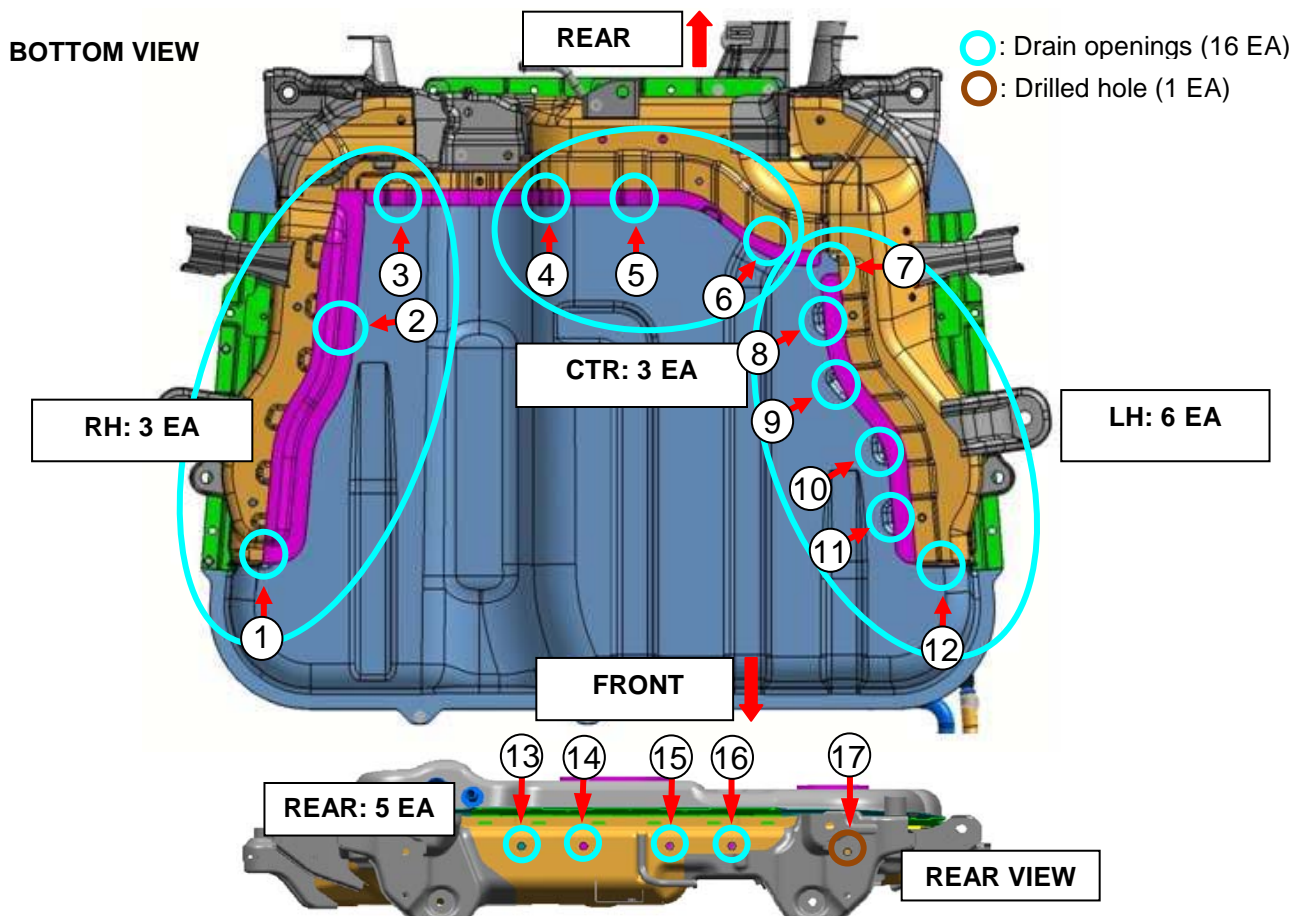
While drilling, be careful not to damage the stabilizer bar upper mounting hole.





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8. Blow out any foreign materials, dust and debris through the rear cross member drain openings and the drilled hole by using the air blow gun that was provided.

**Location of sixteen (16) drain openings and one (1) drilled hole**


**SUBJECT: PREVENTIVE SERVICE AGAINST CORROSION OF REAR CROSS MEMBER (SC093)**

9. Blow out the six (6) openings on the LH side.

Make sure to apply shop air over 10 seconds per opening. Ensure interior surfaces are dry.

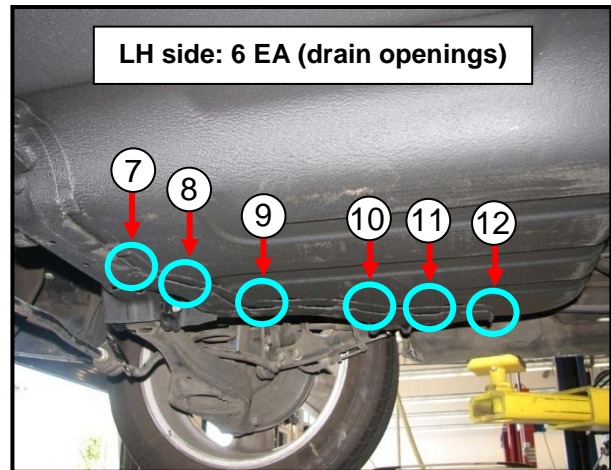
**\* NOTICE**

Use a screwdriver to remove any PVC coating on hole #12 for vehicles produced from July 2, 2009 to October 15, 2011.

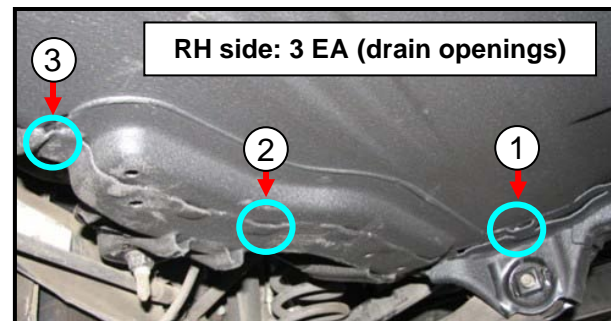


**CAUTION**

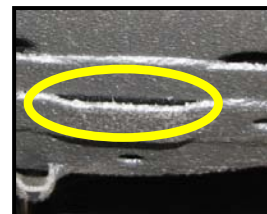
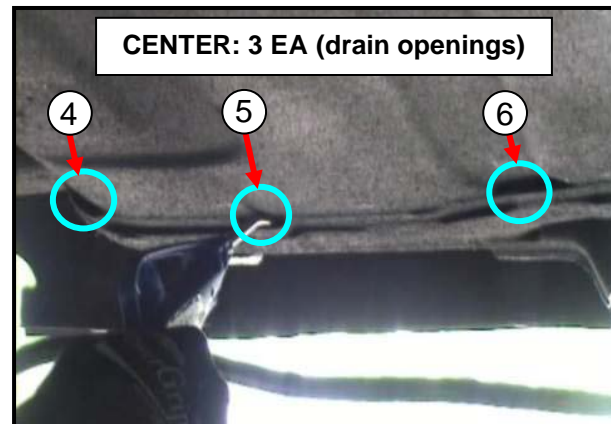
Turning the air gun nozzle in all directions, apply shop air into the holes to completely remove foreign materials and debris.



10. Blow out the three (3) openings on the RH side.



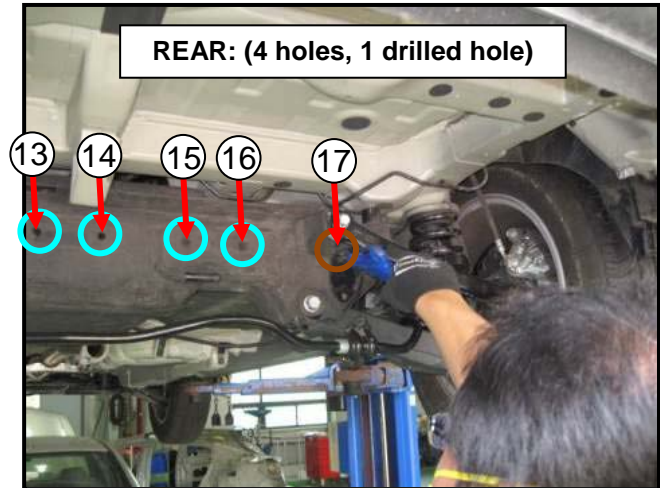
11. Blow out the three (3) center openings.



Close-up view of an opening

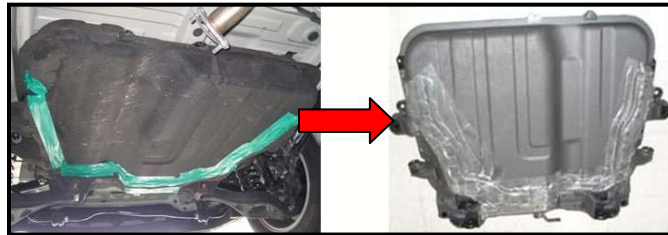
**SUBJECT: PREVENTIVE SERVICE AGAINST CORROSION OF REAR CROSS MEMBER (SC093)**

12. Blow out the four (4) holes and one (1) drilled hole as indicated in the photo.



### 13. Cavity Wax Application

Before spraying cavity wax, block the (LH, RH and Center) drain openings (used for blowing out foreign materials and debris in the previous procedure) as shown in the photo using the tape supplied in the tool kit. This is to avoid wax from flowing down through the holes while spraying wax.



#### \* NOTICE

It is not necessary to tape the five (5) holes on the rear side.



#### CAUTION

Uncured cavity wax should not be exposed to ignition sources. Keep away from sparks, flames or excessive heat.

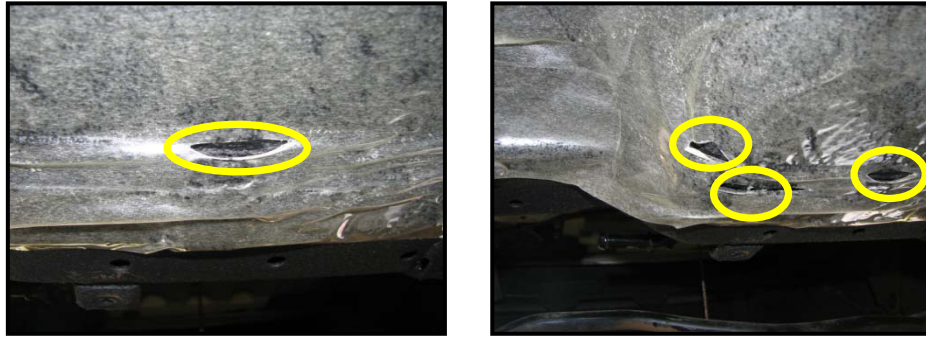
14. Spread shop towels or tarp under the fuel tank as shown in the photo to avoid wax, dirt and debris on the shop floor.





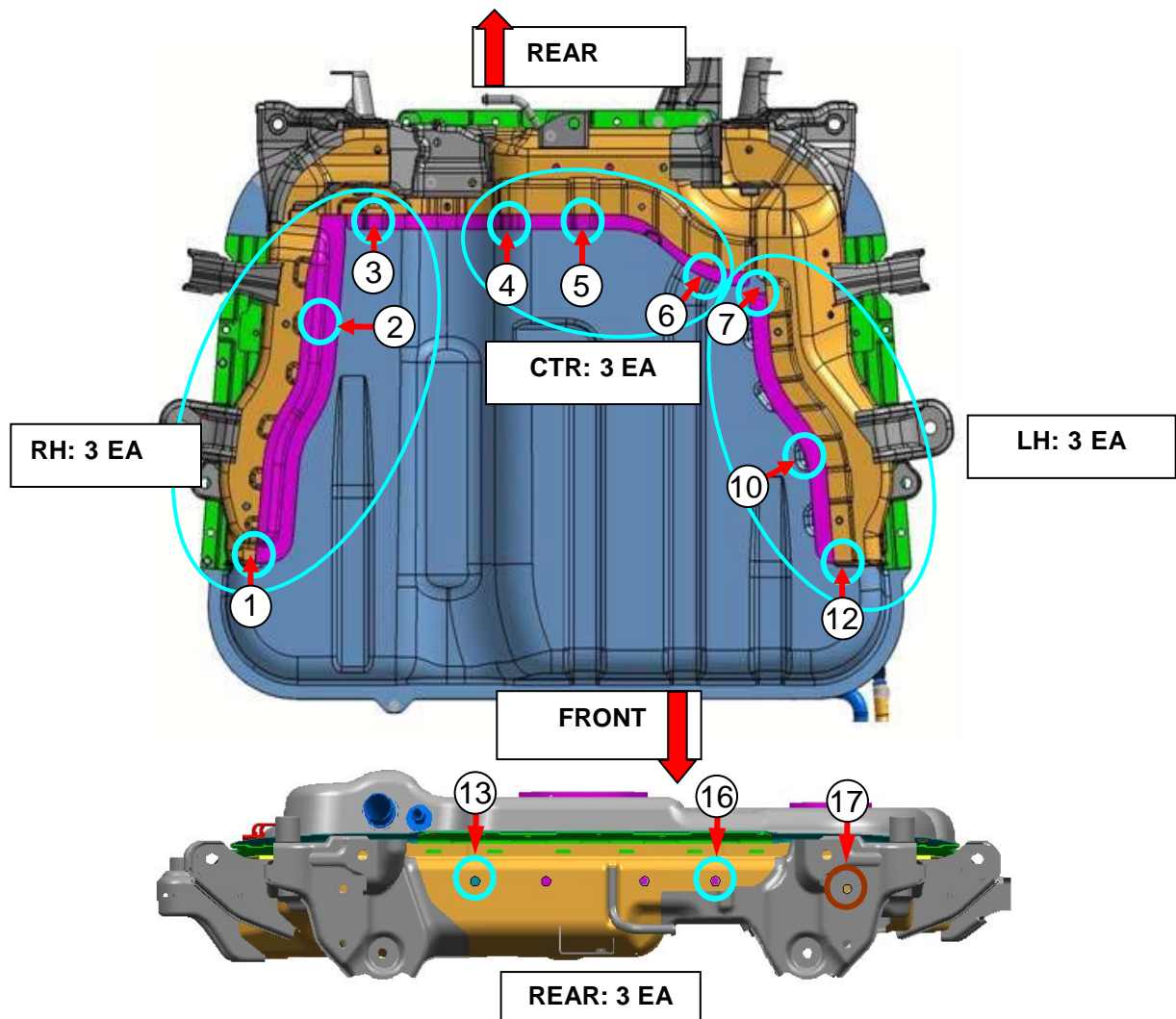
**SUBJECT: PREVENTIVE SERVICE AGAINST CORROSION OF REAR CROSS MEMBER (SC093)**

15. Cut holes in the tape for the nine (9) drain openings shown below prior to applying cavity wax. You will be spraying cavity wax through these openings.



Examples of openings cut into the clear tape.

16. Spray cavity wax through the twelve (12) holes indicated in the photo below. Three (3) cavity wax aerosol cans are required to perform this task per vehicle, so use one (1) can of cavity wax per four (4) openings.





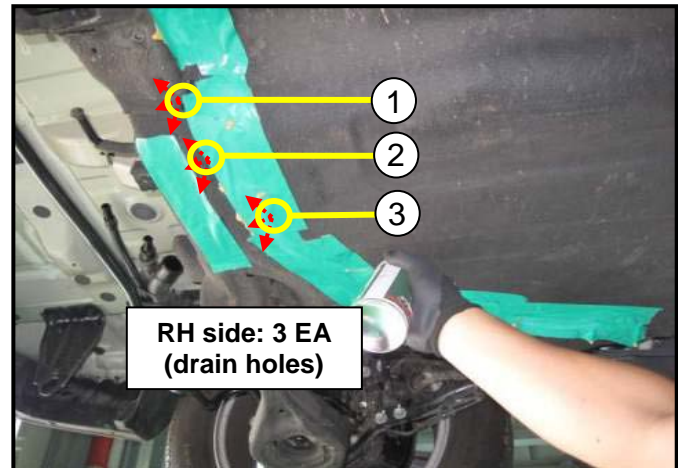
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17. Shake cavity wax aerosol can for at least 20 seconds, and then spray enough wax through the three (3) holes (1, 2, and 3) on the RH side.

**CAUTION**

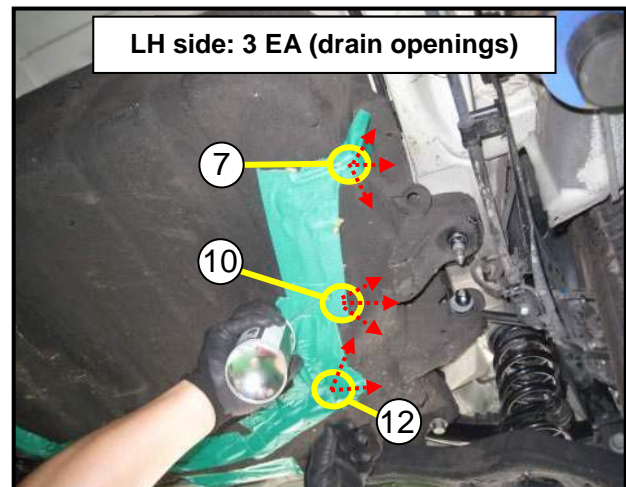
To evenly apply cavity wax, turn the nozzle in all directions while spraying.

Cavity wax is extremely flammable, use caution when spraying cavity wax.

**\* NOTICE**

Use three (3) cans for all four (4) sides. Distribute one (1) can evenly between the four (4) openings; spray for approximately 1 minute per hole.

18. Spray cavity wax through three (3) openings (7, 10 and 12).

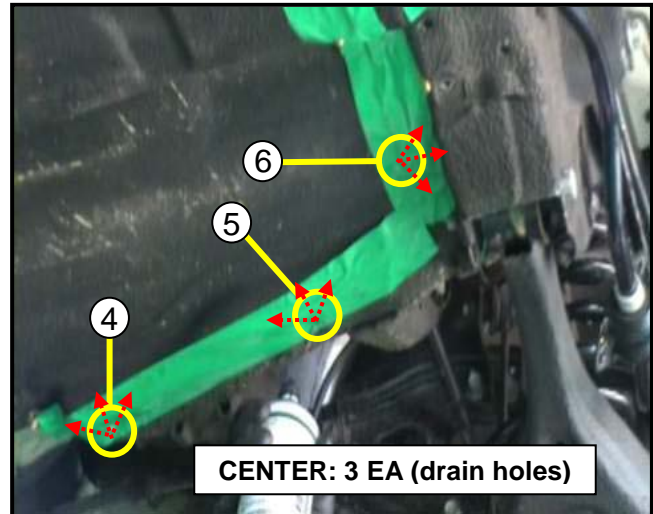


19. Spray cavity wax through three (3) center openings (4, 5, and 6).

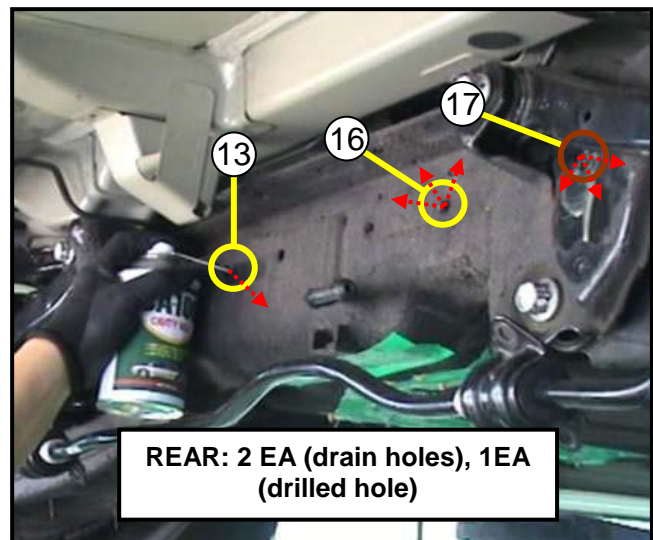


### CAUTION

To evenly apply cavity wax, turn the nozzle in all directions while spraying.



20. Spray cavity wax through three (3) rear openings (13, 16, and 17).



21. Wait until cavity wax stops flowing down through the holes (it takes approximately 20 minutes).



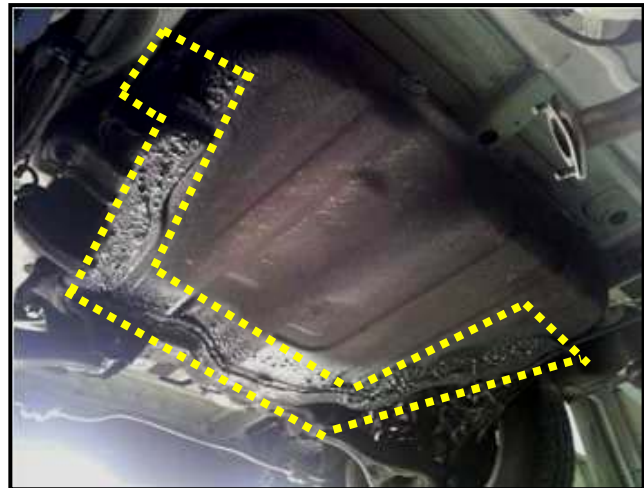
**SUBJECT: PREVENTIVE SERVICE AGAINST CORROSION OF REAR CROSS MEMBER (SC093)**

22. Remove the tape from the fuel tank.



23. Spray black undercoating wax around the drain holes on the bottom of the fuel tank as indicated in the photo.

Reinstall all removed parts in reverse order of removal.




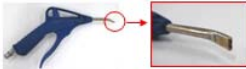


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## AFFECTED VEHICLE PRODUCTION RANGE:

Model	Production Date Range
Rondo (UN)	September 15, 2006 to October 14, 2010

## REQUIRED PARTS / TOOLS:

Part Name	Part Number	Figure	Quantity
Tape Kit (LH, CTR, RH)	311WX 1D00TQQK		1 EA
Muffler Gasket	28764 28020QQK	-	1 EA
Exhaust Nut	28679 21000	-	As needed
Cavity wax (500ml)	UM011 CH057		3 EA
Undercoating (black color wax)	UM010 CH044		1 EA
Flat-tipped Air Blow Gun	06120 10200		Auto-shipped to Dealer (Additional Air Blow Gun, contact <b>Snap-On Business Solutions</b> at 888-542-1011)
Drill bit (Φ 5 mm)	Shop tool	-	-

## WARRANTY CLAIM INFORMATION:

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
R	31130 1D600	0	N88	C38	(SC093) Preventive Service Against Corrosion of Rear Cross Member	110088R2	1.5 M/H	311WX 1D00TQQK	1
								28764 28020QQK	1
								28679 21000	As Needed
								UM011 CH057	3
								UM010 CH044	1

**\* NOTICE**

To assure complete customer satisfaction, always remember to refer to WebDCS Warranty Coverage (validation) Inquiry Screen (Service>Warranty Coverage>Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.