



Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 18-01-026
DATE SEPTEMBER 2018	MODEL(S) TUCSON (TL)

SUBJECT: TUCSON VACUUM PUMP SEALANT APPLICATION / CAP REPLACEMENT (SERVICE CAMPAIGN T3C)

★ IMPORTANT

*** Dealer Stock and Retail Vehicles ***

Dealers must perform this Campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

Description: Some subject vehicles may experience the illumination of various warning lamps including the brake warning lamp and other lamps. This bulletin describes the procedure to apply sealant to the vacuum pump or replace the vacuum pump cap based on vehicle inspection.

Applicable Vehicles: Certain 2016-2017 MY Tucson (TL) vehicles with 1.6L Turbo engines

Parts Information:

Model	Part Name	Part Number	Qty	Note
TUCSON	CAP & HOUSING KIT	59201-D300XQQH	1	Only required if warning lights ARE present. See page 2.
	SEALANT	00232-19076	1	Only required if warning lights are NOT present. See page 2. 1 can of sealant is sufficient for approximately 100 vehicles.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part No.	Nature Code	Cause Code
TUCSON (TL)	80C032R0	SEALANT APPLICATION	0.3 M/H	59200-D3000	B22	ZZ7
	80C032R1	PUMP CAP REPLACEMENT	0.4 M/H			

NOTE 1: Submit Claim on Campaign Claim Entry Screen

NOTE 2: If a part is found in need of replacement while performing this campaign and the affected part is still under warranty, submit a separate claim using the same Repair Order. If the affected part(s) are out of warranty, request a Prior Authorization # for goodwill consideration prior to completing the Campaign.

NOTE 3: Sealant will be reimbursed as Sublet under Op Code 80C032R0.

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

Service Procedure:

1. Check the vehicle's dashboard for any warning lights (refer to notice below). Lift up the vehicle and loosen the engine under cover mounting bolts (A).

Tightening Torque :

7.8 ~ 11.7 Nm (0.8 ~ 1.2 kgf.m, 5.7 ~ 8.6 lb-ft)

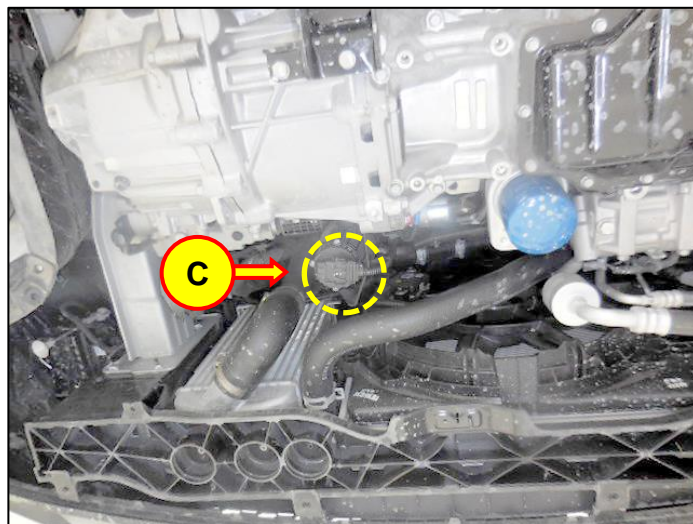
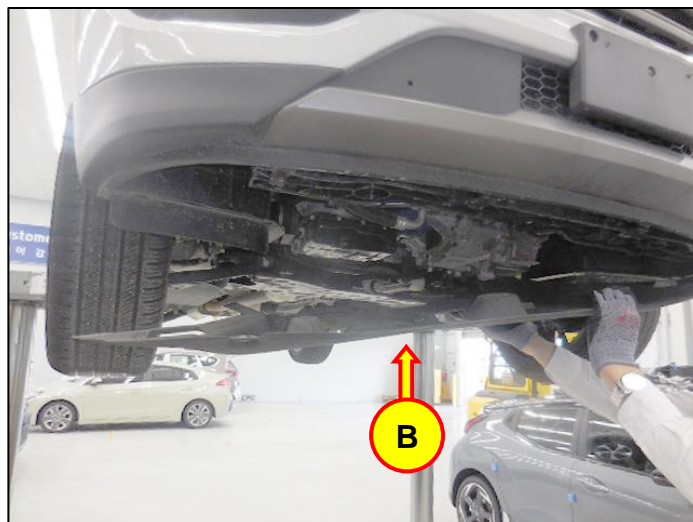
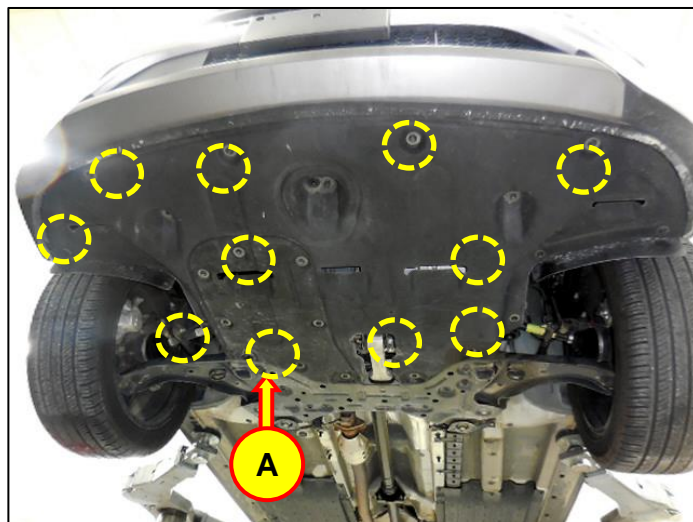
NOTICE

If any warning lights are present, the vacuum pump cap will be replaced.

If no warning lights are present, sealant will be applied to the vacuum pump.

2. Remove the engine under cover (B).

3. Check the position of the electronic vacuum pump (C).



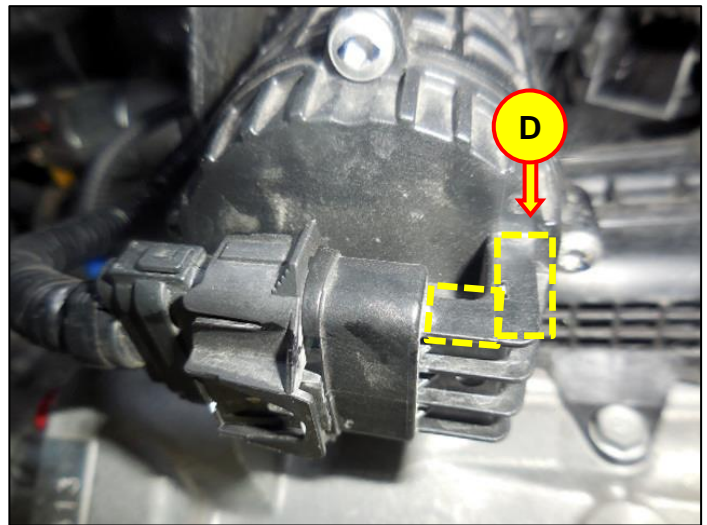
NOTICE

If any warning lights are illuminated on the dashboard, skip to Step 5 to replace the vacuum pump cap.

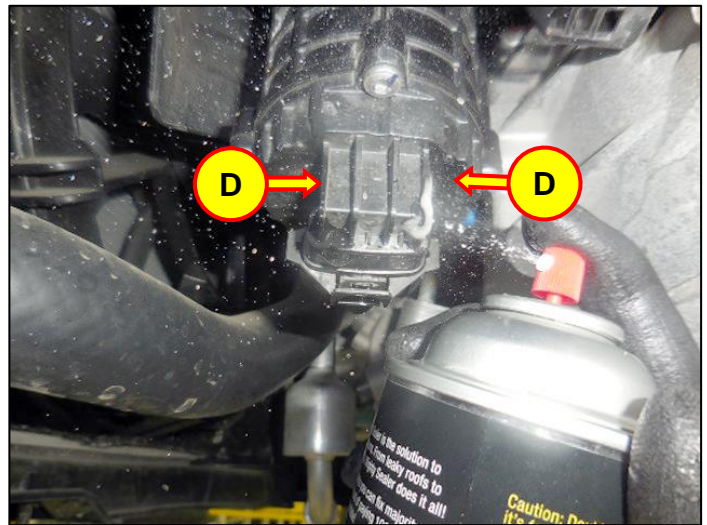
If no warning lights are illuminated, proceed with Step 4 to apply sealant to the vacuum pump.

4. If **no warning lights are illuminated on the dashboard**, proceed with the following steps to apply sealant to the vacuum pump.

4a. Clean the vacuum pump connector molding on both sides of (D).



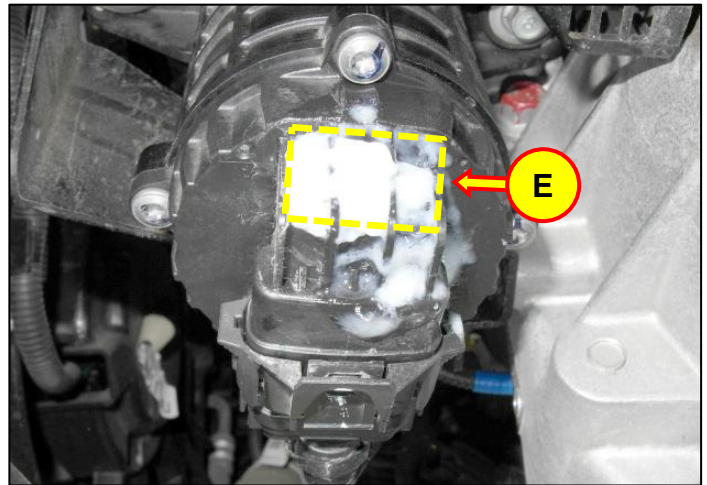
4b. Apply (2) coats of sealant on both sides (D).



4c) Clean and apply sealant to the rear side (E).

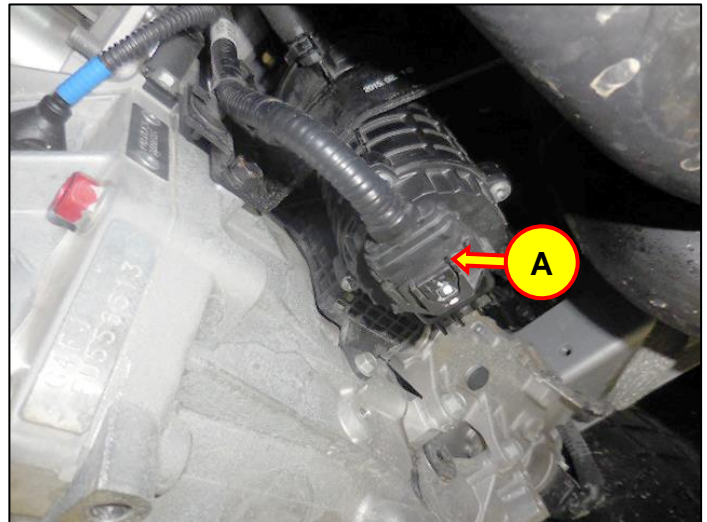
4d) Reinstall all removed parts in the reverse order of removal.

4e) Check for any DTCs and perform the appropriate diagnostic service. Ensure no warning lights are present to complete the procedure.



5. **If any warning lights are on**, proceed with the following steps to replace the vacuum pump cap.

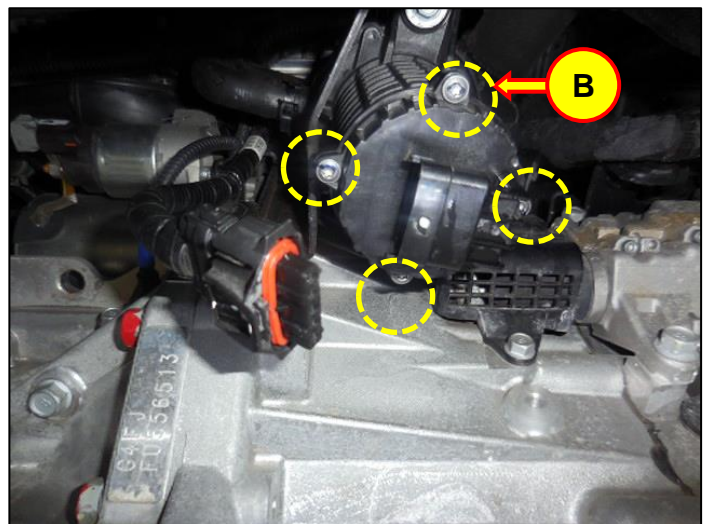
6. Disconnect the pump connector (A).



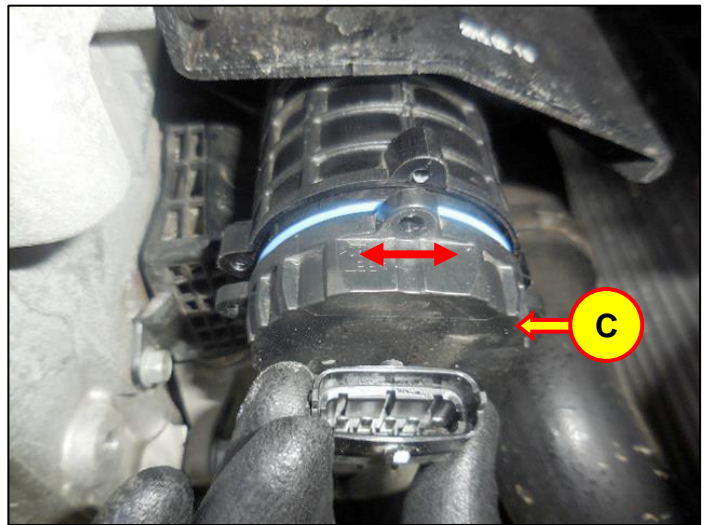
7. Loosen the (4) pump cap mounting screws (B).

Tool : Torx T-20

Tightening Torque :
14.7 ~ 19.6 Nm (1.5 ~ 2.0 kgf.m, 10.8 ~ 14.4 lb-ft)



8. Carefully loosen the cap assembly (C) and pull straight off without rotating.



9. Slowly rotate the cap assembly (C) a half-turn clockwise to untwist the wires.

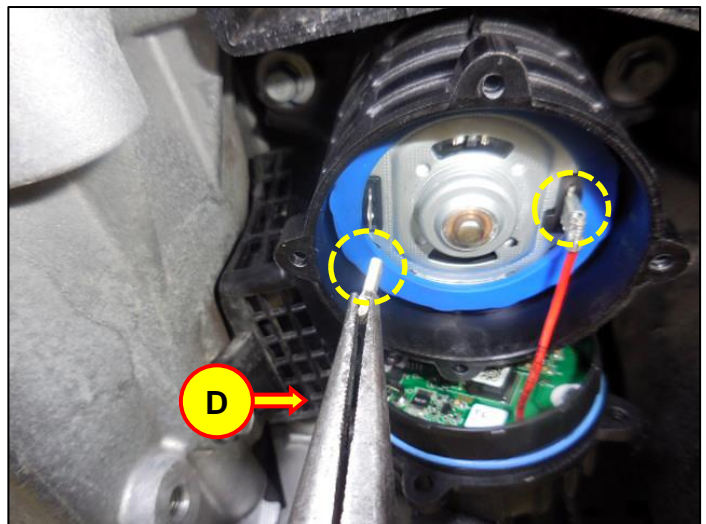


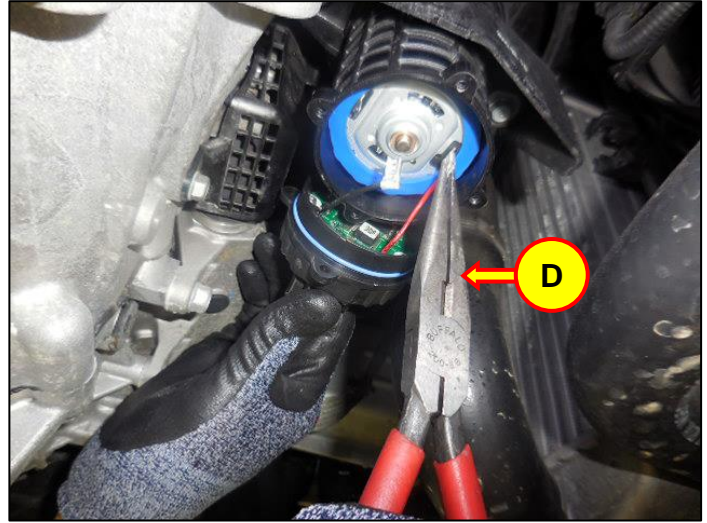
10. Disconnect the cap terminals using long nose pliers (D). **Note the wire color installed at each terminal before removal.**

⚠ CAUTION

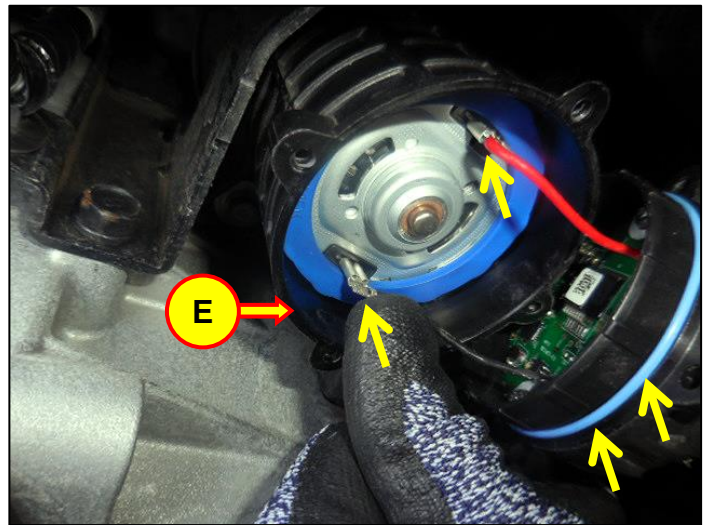
Note the wire color installed at each terminal before removal.

The new cap and wires will be installed in the same orientation in the next step.

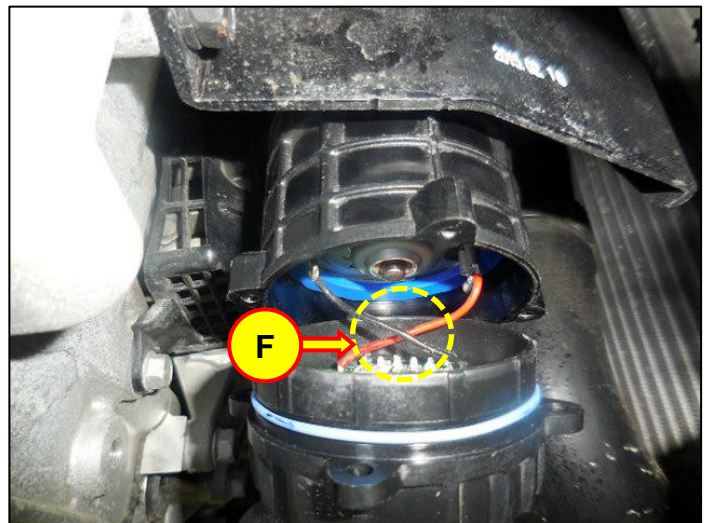




11. Install the new cap assembly terminals (E) by hand in the same orientation noted in the previous step. Ensure the blue gasket is installed on the new cap.



12. Slowly rotate the cap (F) a half-turn counterclockwise to cross the wires and push firmly until the cap is completely seated to the vacuum pump.

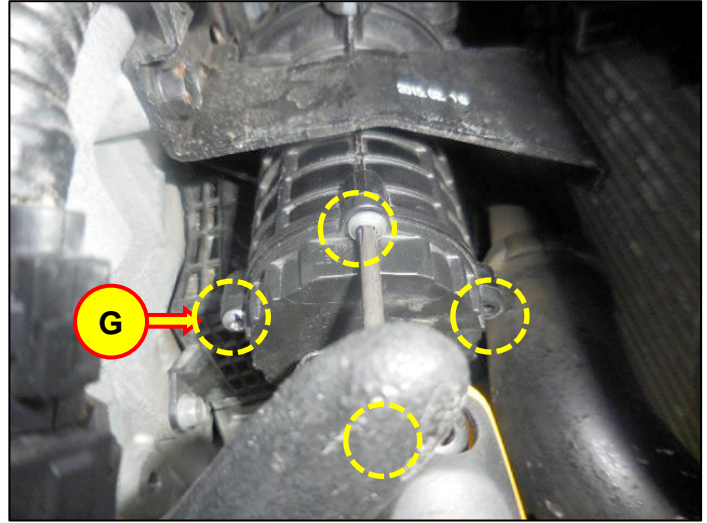


13. Tighten the cap assembly mounting screws (G) and reconnect the pump connector.

Tool : Torx T-20

Tightening Torque :

14.7 ~ 19.6 Nm (1.5 ~ 2.0 kgf.m, 10.8 ~ 14.4 lb-ft)



⚠ CAUTION

DO NOT overtighten the cap mounting screws.

14. Reinstall all removed parts in the reverse order of removal.

15. Check for any DTCs and perform the appropriate diagnostic service. Ensure no warning lights are present to complete the procedure.