



HYUNDAI

Technical Service Bulletin

| | |
|--------------------------|--------------------------------|
| GROUP CAMPAIGN | NUMBER 19-01-017H |
| DATE MAY 2019 | MODEL(S) TUCSON (TL) |

SUBJECT: TPMS VALVE CAP AND STEM REPLACEMENT (SERVICE CAMPAIGN 954)

★ IMPORTANT

*** Dealer Stock and Retail Vehicles ***

Dealers must perform this Service 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:

This bulletin provides information on replacing the Tire Pressure Monitoring System (TPMS) valve stem cap and/or valve stem on 2017 model year Night edition Tucsons. The aluminium valve cap might corrode onto the valve stem making it difficult to remove the cap to inflate tires or check tire pressure.



Applicable Vehicles: 2017 Tucson (TL) Night edition ONLY

Parts Information:

| Part Name | Image | Part Number | Remark |
|-----------|---|----------------|--|
| CAP-VALVE |  | 52937-2V100QQH | Each order will have five (5) caps. |
| STEM-TPMS |  | 52936-B2100QQH | Replace the valve stem only if the red aluminum valve cap cannot be removed. |

Warranty Information:

| Model | Op. Code | Operation | Op. Time | Causal Part | Nature | Cause |
|------------------------------------|----------|--|----------|-------------|--------|-------|
| Tucson (TL) Night Edition | 80C105R0 | TPMS VALVE CAP REPLACEMENT (4EA) | 0.2 M/H | D3529-AP040 | A12 | ZZ4 |
| | 80C105R1 | TPMS VALVE STEM AND CAP REPLACEMENT (STEM 1EA / CAP 4EA) | 0.4 M/H | | | |
| | 80C105R2 | TPMS VALVE STEM AND CAP REPLACEMENT (STEM 2EA / CAP 4EA) | 0.6 M/H | | | |
| | 80C105R3 | TPMS VALVE STEM AND CAP REPLACEMENT (STEM 3EA / CAP 4EA) | 0.8 M/H | | | |
| | 80C105R4 | TPMS VALVE STEM AND CAP REPLACEMENT (STEM 4EA / CAP 4EA) | 1.0 M/H | | | |

NOTE 1: Submit Claim on Campaign Claim Entry Screen

NOTE 2: If a part is found in need of replacement while performing Service Campaign 954 and the affected part is still under warranty, submit a separate claim using the same Repair Order. If the affected part is out of warranty, submit a Prior Approval Request for goodwill consideration prior to performing the work.

Service Procedure:

1. Remove all four red aluminum valve caps from the TPMS valve stem and discard. Install four new black plastic valve caps.
2. If any of the valve caps cannot be removed, lift the vehicle and remove the tire and wheel assemblies with the corroded valve stem/cap.

Lug Nut Tightening Torque:

88.2 ~ 107.8 Nm (9.0 ~ 11.0 kgf.m,
65.0 ~ 79.5 lb-ft)

3. Place the tire and wheel assembly on the tire changer.

Cut the valve stem in half to release the air from the tire.

4. Using the tire machine, break the tire bead from the wheel bead seat. Allow sufficient space for the tire bead to clear the TPMS sensor.

Continue to press the tire sidewall/bead down to provide enough space to remove the valve stem and TPMS sensor.

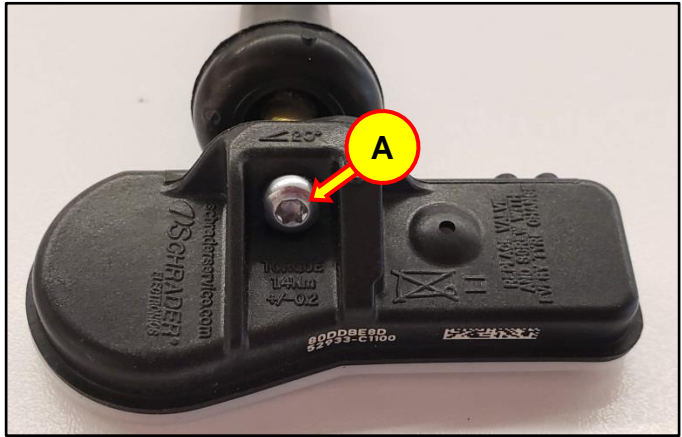
*** NOTE**

Do not damage the TPMS sensor while breaking the bead from the wheel or removing the sensor from the wheel.



5. Remove the valve stem from the sensor by unscrewing the T10 torx screw (A). Remove the valve stem from the wheel.

T10 Torx Screw Tightening Torque:
1.2 ~ 1.6 Nm (0.12 ~ 0.16 kgf.m,
0.89 ~ 1.18 lb-ft)



6. Install the new valve stem on to the sensor.

T10 Torx Screw Tightening Torque:
1.2 ~ 1.6 Nm (0.12 ~ 0.16 kgf.m,
0.89 ~ 1.18 lb-ft)



7. Remove the silver valve cap from the valve stem and discard. Apply a small amount of tire mounting lube on the valve stem (B). Using a valve stem installation tool, pull the valve stem through the wheel valve stem hole.

*** NOTE**

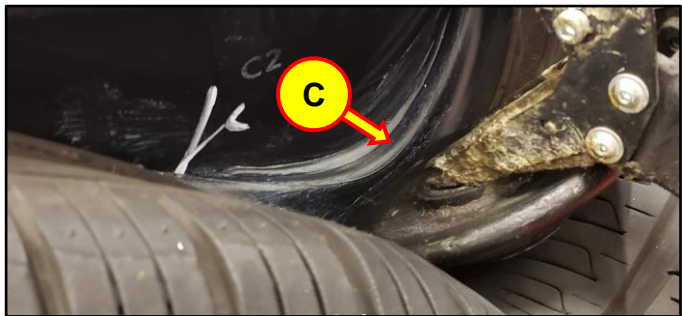
Ensure the valve stem is fully seated in the wheel.

8. Apply a small amount of tire mounting lube to lubricate the exposed tire bead (C). Release the tire machine head to allow the tire bead to rise up against the wheel bead seat.

Slowly inflate the tire to seat the tire onto the wheel.

⚠ CAUTION

Do not exceed the maximum inflation pressure stated on the sidewall to seat the tire bead.



9. Once the bead is seated, continue to inflate the tire to the specified pressure. Install a new black valve cap. Reinstall the tire/wheel assembly onto the vehicle.

Lug Nut Tightening Torque:

88.2 ~ 107.8 Nm (9.0 ~ 11.0 kgf.m,
65.0 ~ 79.5 lb-ft)

Repeat steps 2 – 9 for other red aluminum valve caps that cannot be removed from the valve stem.

