



HYUNDAI

Technical Service Bulletin

GROUP RECALL	NUMBER 26-01-038H
DATE JUNE 2026	MODEL(S) ELANTRA (MD) SONATA (YF)

SUBJECT: FRONT COIL SPRING URETHANE TUBE INSTALLATION
(RECALL 133)

This TSB supersedes 25-01-008H to update the required sealant and sealant part number on page 2, update Note 2 with the latest verbiage in the 'Warranty Information' section on page 3 and make changes to the service procedure on pages 4-12.

★ IMPORTANT

Vehicle repairs related to safety recalls are critically important and must be performed properly in accordance with TSB procedures. Review this bulletin in its entirety prior to beginning any repair work.

As required by federal law, dealers must not deliver new vehicles for sale or for lease to customers until all open recalls have been performed. Dealers must also perform all open recalls on used vehicles, demo, and rental vehicles prior to placing them into customer use and whenever an affected vehicle is in the shop for any maintenance or repair.

Access the "Vehicle Information" screen via WebDCS to identify open recalls.

Description: On certain 2011 Elantra (MD) and Sonata (YF) vehicles, corrosion can build up at the front coil springs, resulting in a possible fracture near the base. A fractured spring can make contact with the tire, potentially resulting in a tire puncture and increasing the risk of a crash. This bulletin describes the procedure to install urethane tubes over the front coil springs to prevent a tire puncture.



Applicable Vehicles (Certain):

Model Year	Model	Production Dates	Area
2011	Elantra (MD)	11/12/2010 – 03/31/2011	Connecticut, Delaware, Illinois, Indiana, Iowa, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, West Virginia, Wisconsin, and the District of Columbia
	Sonata (YF)	12/11/2009 – 02/28/2010	

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

SUBJECT:**FRONT COIL SPRING URETHANE TUBE INSTALLATION
(RECALL 133)****★ IMPORTANT**

There are circumstances under which vehicles that are not currently registered or have never been registered in a “salt belt” state may be eligible for this service campaign. These circumstances include:

- Vehicles that were relocated into a “salt belt” area and/or
- Vehicles registered in a “non-salt belt” state and driven in a “salt belt” area.

If it is determined that an owner of a vehicle within the affected VIN production date range relocates or has operated their vehicle in a “salt belt” area, the dealer should perform this procedure at no cost to the customer. **The dealer must submit a Prior Approval (PA) request before starting**

Parts Information:

Model	Part Name	Part Number	Figure	Remarks
Elantra (MD)	Urethane Tube Kit	54631-3X001QQH		Qty: 1 (2 blue tubes per kit)
Sonata (YF)		54631-3Q001QQH		Qty: 1 (2 yellow tubes per kit)

Required Equipment/Supplies:

Name	Equipment/Supply #	Figure	Remarks
Coil Spring Compressor (Jig) Set	0K546-1H100QQH		Previously provided to all dealers.
Teroson MS 930NA Black	00232-19049		One (1) tube will service 6 vehicles.
Caulking Gun	N/A		Commercially available

SUBJECT:**FRONT COIL SPRING URETHANE TUBE INSTALLATION
(RECALL 133)****Warranty Information:**

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Elantra (MD)	51C079R1	Urethane Tube Installation (both sides)	0.5 M/H	54630-3X250	A11	ZZ6
Sonata (YF)				54630-3Q010		

NOTE 1: Submit claim on Claim Entry Screen as “Campaign” type.

NOTE 2: If any part(s) not subject to this TSB are found in need of replacement while performing the repair procedure, and the affected part(s) are still under warranty, the dealer may submit a separate claim using the same repair order. If the part(s) not subject to this TSB are out of warranty coverage, the dealer has the option to submit a PA Request for goodwill consideration on a case-by-case basis.

NOTE 3: The dealer will be reimbursed \$9.92 for sealant under operation code 51C079R1.

Service Procedure:**NOTICE**

Applying the recommended torque to all fasteners is essential to reduce potential issues from occurring after the service procedure.

⚠ CAUTION

Prior to beginning the service procedure:

- Wear proper gloves and eye protection.
- Work in a well-ventilated area.

NOTICE

- Do **NOT** use urethane tube if past expiration date. Discard expired tubes.
- Do **NOT** use urethane tube if less than or equal to **330 mm (13 inches)** long whether expired or non-expired.
- Use **immediately** after opening. The urethane tube will contract if exposed to air.
 - Remove and install one tube at a time.
 - Install immediately after opening the package.
- Keep package in a dark, cool place away from direct sunlight.

Table of Contents

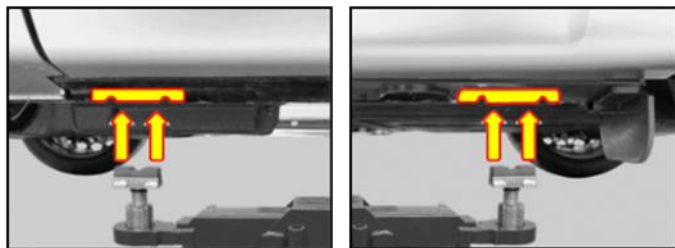
- Urethane Tube Installation4
- Spring and Urethane Tube Replacement10

Urethane Tube Installation

1. Visually check that the lift blocks are properly seated on the vehicle support points and raise the vehicle.

NOTICE

Raising the vehicle from anywhere other than the support points may damage vehicle components.



Refer to the shop manual:

- **General Information > Lift and Support Points > General Information**

2. Remove the front wheels and tires (A).

Tightening Torque:

lb-ft	39
N.m	53

⚠ CAUTION

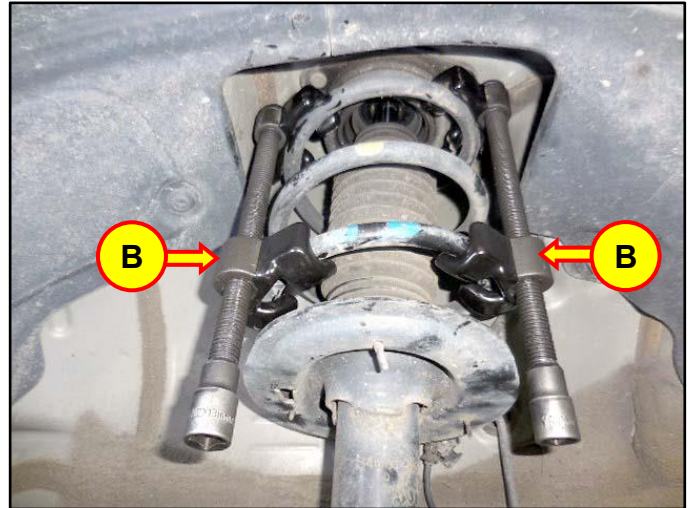
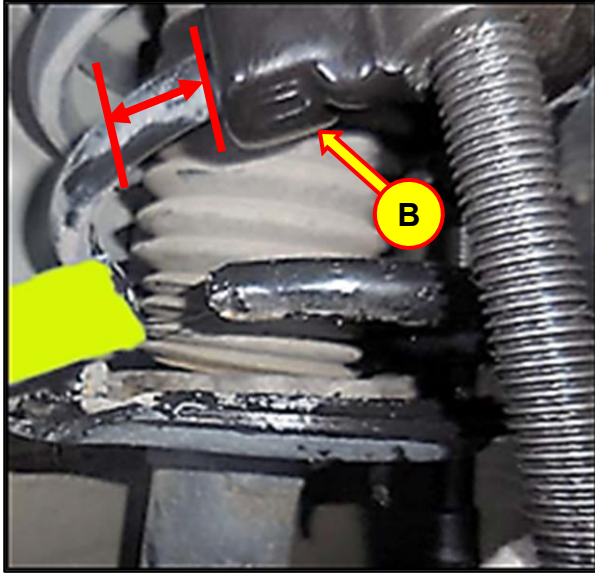
Wear eye protection when performing work for spring compression.



3. On one side of the vehicle, place the spring compression jigs (B) on opposite sides of the spring as shown.

i Information

Place the jig (B) on the spring to allow at least **14 inches** of clearance for the tube to fully slide on.



4. Compress the coil evenly.

NOTICE

Ensure **NOT** to compress either side more than **25mm (1 inch)** at a time.

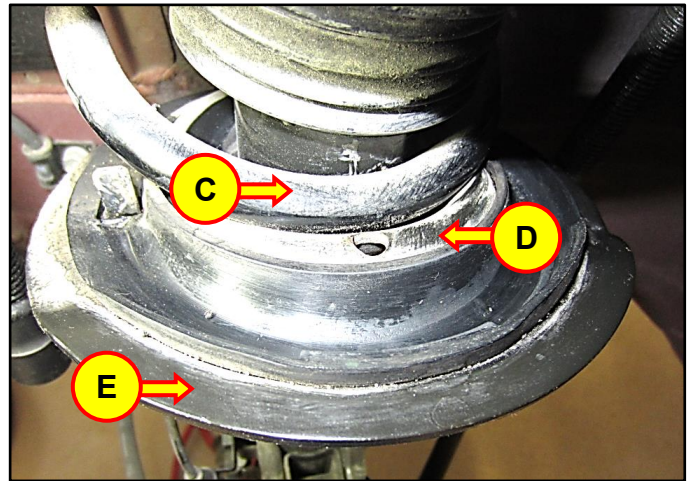
Do **NOT** compress the spring more than **50 mm (2 inches)**.

5. Move the bottom of the spring (C) over the inside hump (D) of the lower spring seat (E).

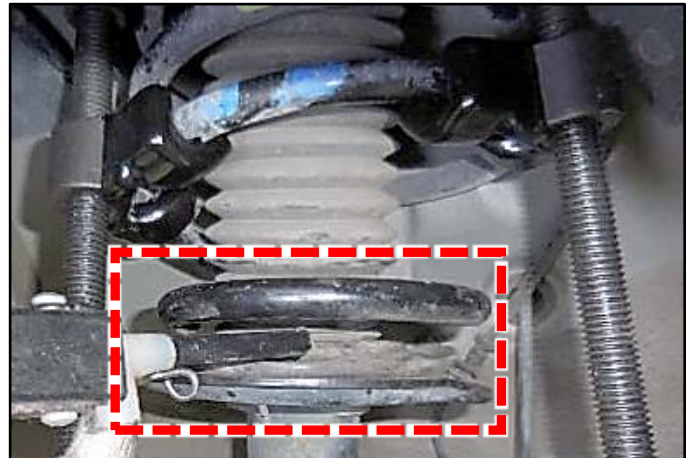
i Information

If the spring is already equipped with a urethane tube, carefully remove it without damaging the black coating.

Refer to the parts catalog for applicable coil spring part numbers.



6. Use an air nozzle to remove debris from the lower spring seat, then clean the lower part of the spring where the urethane tube will be installed.
7. Inspect the lower coils for damage or corrosion:
- If the lower coils are damaged or corroded, proceed to the [Spring and Urethane Tube Replacement](#) section of this TSB.
 - If the lower coils are **NOT** damaged or corroded, proceed to **Step 8**.



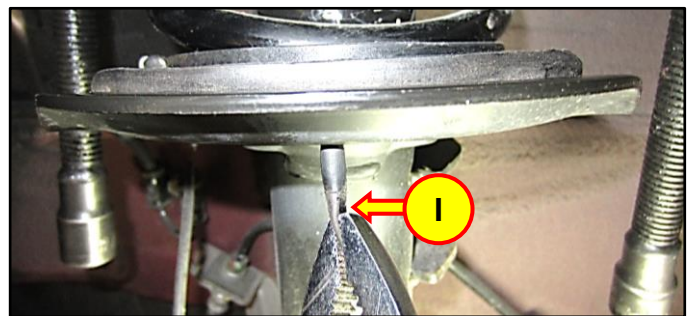
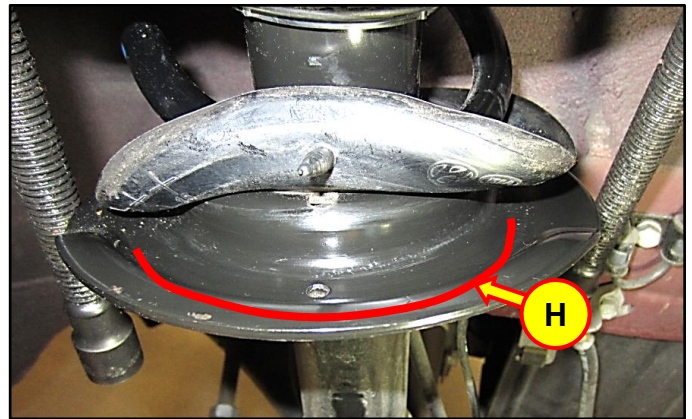
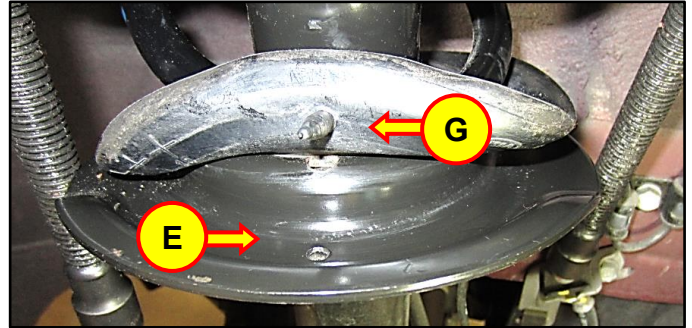
8. Remove the rubber spring pad (F) from the lower spring seat.
9. Clean the top (F) and bottom (G). surfaces of the pad and the lower spring seat (E).
10. Apply a bead of sealant between the rubber pad and lower spring seat (H) as shown.

i Information

Sealant must be used by the **“USE BY”** date printed on the tube.



11. Reinstall the rubber spring pad by pulling the rubber pins (I) back through their respective holes in the lower spring seat.



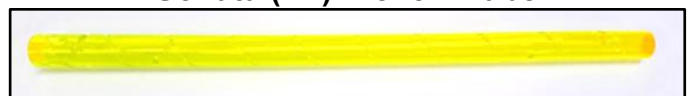
12. Select and unpack the applicable urethane tube:

- Elantra (MD) – blue
- Sonata (YF) – yellow

Elantra (MD): Blue Tube

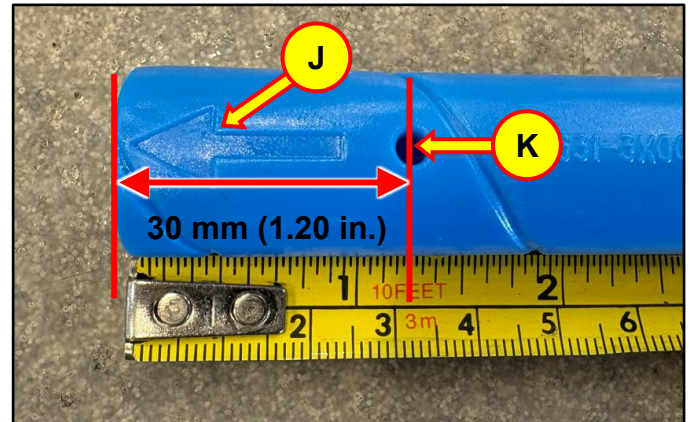


Sonata (YF): Yellow Tube

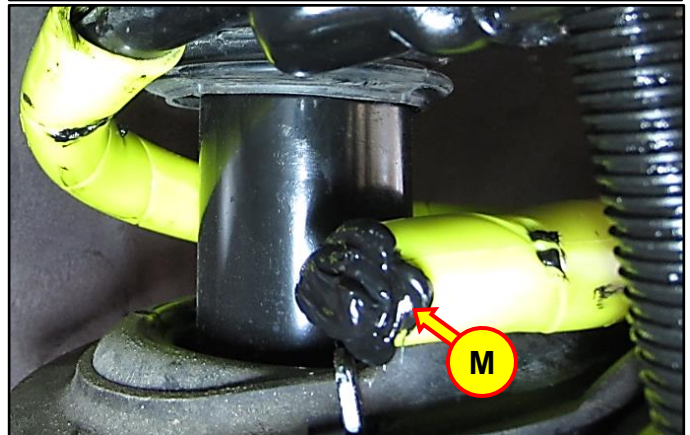
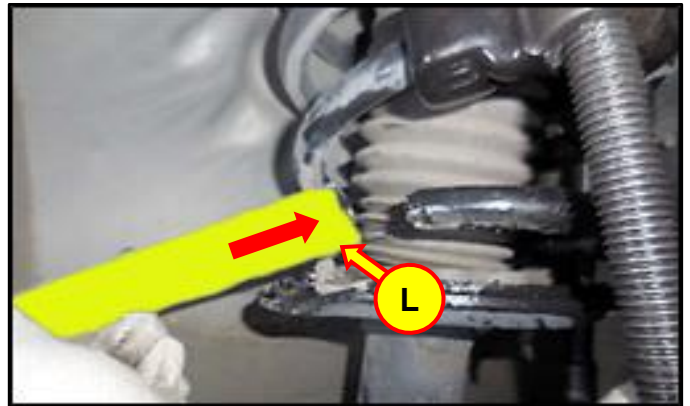


13. Locate the arrow on one end of the tube (J).

Fill the tube with sealant from the end marked with the arrow until the sealant reaches **30 mm (1.2 inches)** or the round openings (K).



14. Starting from the end marked with the arrow (L), slide the urethane tube over the end of the coil spring until tube (M) end aligns with the spring end.



15. Decompress the spring evenly, one side at a time, ensuring the spring is properly engaged with the upper and lower spring seats on the strut.

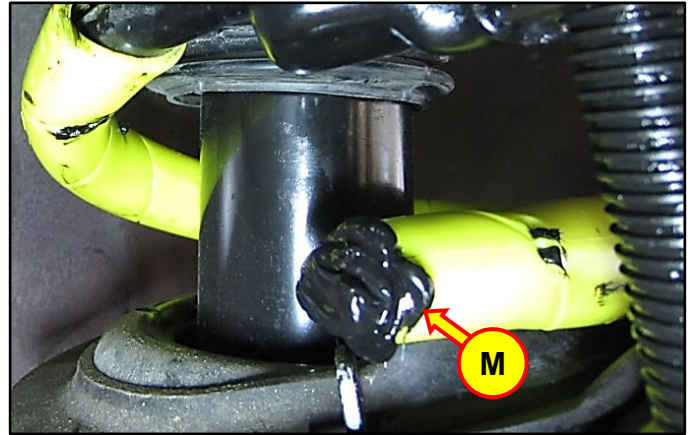
**Information**

Decompress each side of the spring by no more than **25 mm (1 inch)** at a time.

The end of the spring should align with the lower spring seat guide (M). If misaligned, then recompress the spring and realign the tube.

Confirm the coil spring is properly engaged with the strut at the upper and lower spring seats. If misaligned, then recompress the spring and realign the tube.

Ensure the urethane tube stays in position during decompression.



16. Repeat the same steps on the other side of the vehicle.
17. Reinstall all parts in the reverse order of the removal process.
18. Confirm proper operation of the vehicle.
19. The service procedure is now complete.

Spring and Urethane Tube Replacement

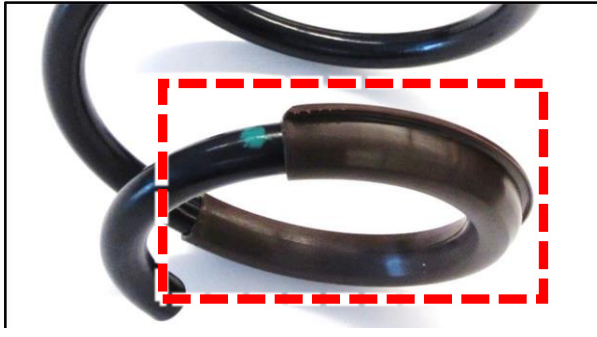
1. Remove the damaged spring by referring to the shop manual:

Suspension System > Front Suspension System > Front Strut Assembly > Repair procedures

**Information**

If the replacement spring is already equipped with a urethane tube, carefully remove it without damaging the black coating.

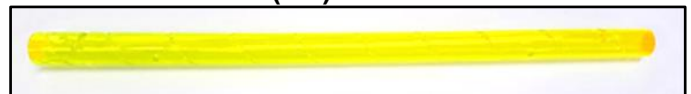
Refer to the parts catalog for applicable coil spring part numbers.



2. Before installing the new spring, install the urethane tube

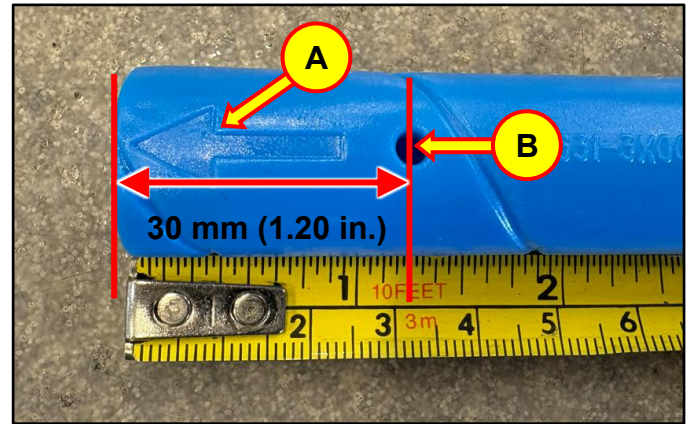
Select and unpack the applicable urethane tube:

- Elantra (MD) – blue
- Sonata (YF) – yellow

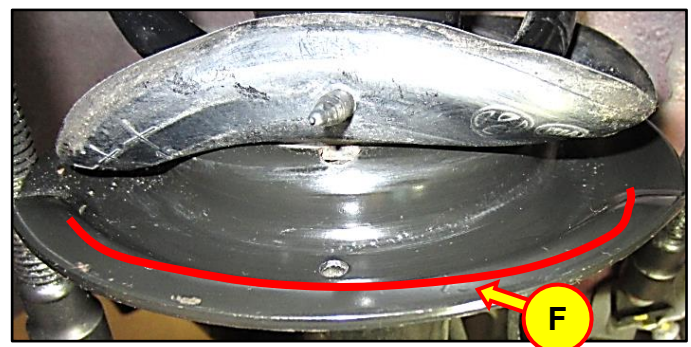
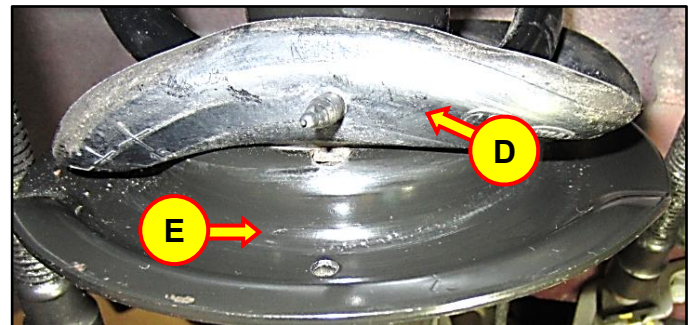
Elantra (MD): Blue Tube**Sonata (YF): Yellow Tube**

3. Locate the arrow on one end of the tube (A).

Fill the tube with sealant from the end marked with the arrow until the sealant reaches **30 mm (1.2 inches)** or the round openings (B).



4. Starting from the end marked with the arrow (A), slide the urethane tube over the lower end of the coil spring until tube end aligns with the spring end.
5. Remove the rubber spring pad (C) from the lower spring seat.
6. Clean the top (C) and bottom (D) surfaces of the pad and the lower spring seat (E).
7. Apply a bead of sealant between the rubber pad and lower spring seat (F) as shown in the photo.

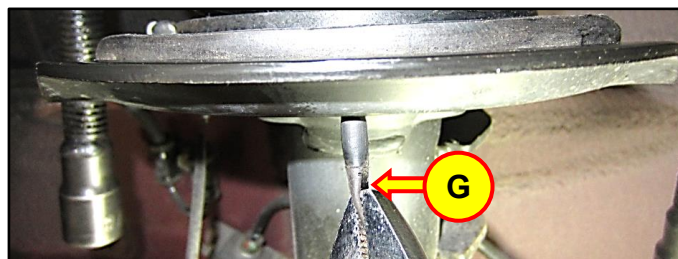


Information

Sealant must be used by the **“USE BY”** date printed on the tube.



8. Reinstall the rubber spring pad by pulling the rubber pins (G) back through their respective holes in the lower spring seat.



9. Reinstall all parts in the reverse order of the removal process.

**Information**

Ensure the urethane tube stays in position on the spring during reassembly.

10. Confirm proper operation of the vehicle.
11. The service procedure is now complete.