

Urea Dosage Valve Hardware Inspection & Replacement

Release: 1**Technician Skill Level:** B**Revision Note:** 02/2026 Initial Release**Market:** North America**Service Category:** Service Department**Applicability:** Please refer to VDA+**Section:** Function Group 258

Description:

Certain model AN(4)'s and PR's could experience DEF leaks or crystallization due to the installation of incorrect fasteners for the Urea Dosage Valve.

Concern:

The current fasteners can cause the valve to have a poor seal or cause detachment of the Urea Dosage Valve.

Action:

Follow the instructions below to inspect hardware. Only claim inspection if hardware is correct. If hardware is found to have spacers installed, remove and discard the fasteners and spacers and install new hardware and sealing plate and claim all labor codes.

Warranty Information

This repair is covered by an authorized Service Program. Reimbursement is obtained through the normal claim handling process.		
Claim Type (used only when uploading from the Dealer Bus. Sys.)		B
Main Labor Code (INSPECTION ONLY)	Description	Hours
1720-06-09-01	Campaign, Inspection (0.1 x 3)	0.3 hrs
Labor Code	Description	Hours
3100-09-01-06	Low Voltage System, Decommission	0.2 hrs
3100-09-01-05	Low Voltage System, Commission	0.2 hrs
Causal Part	60112091	
SCC Authorization Code	S4757	
Expiration Date	February 28, 2027	

Urea Dosage Valve Hardware Inspection & Replacement

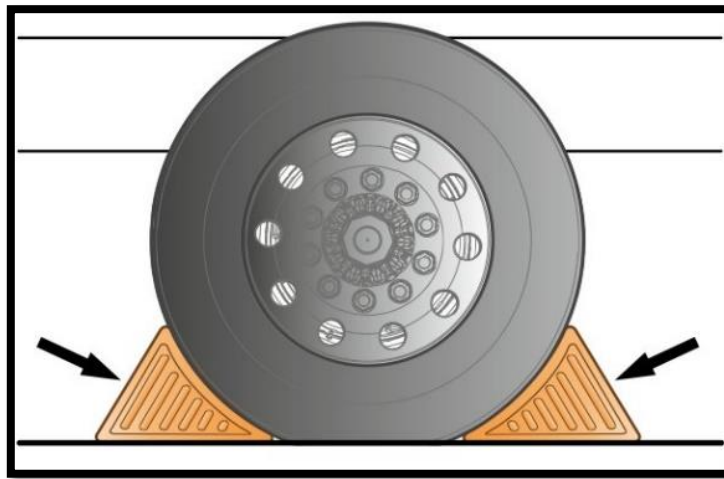
Parts Information

Order using the normal process

Part Numbers	Part Names	Quantity
60111689	Hex Socket Screw M6*20	3
21376801	Sealing Plate, Urea Dosing System	1

Repair Procedure

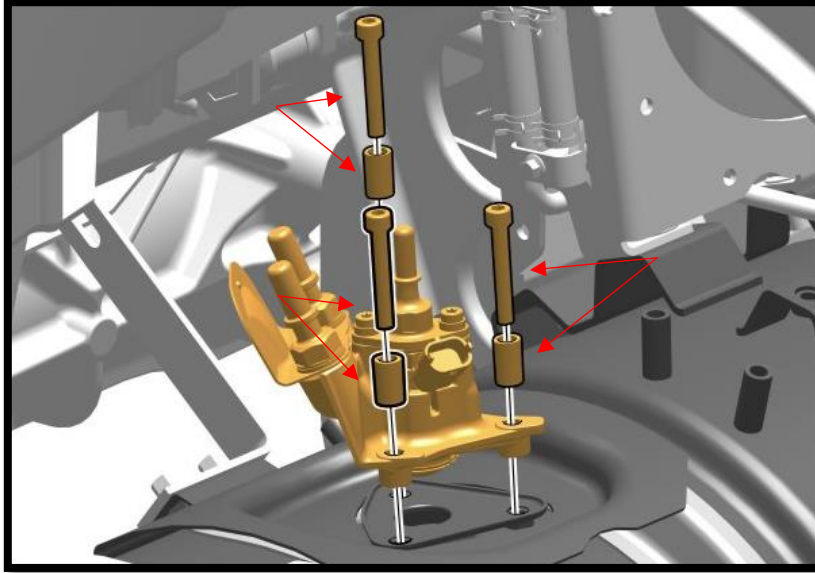
1. Secure vehicle for service.
2. Install wheel chocks.



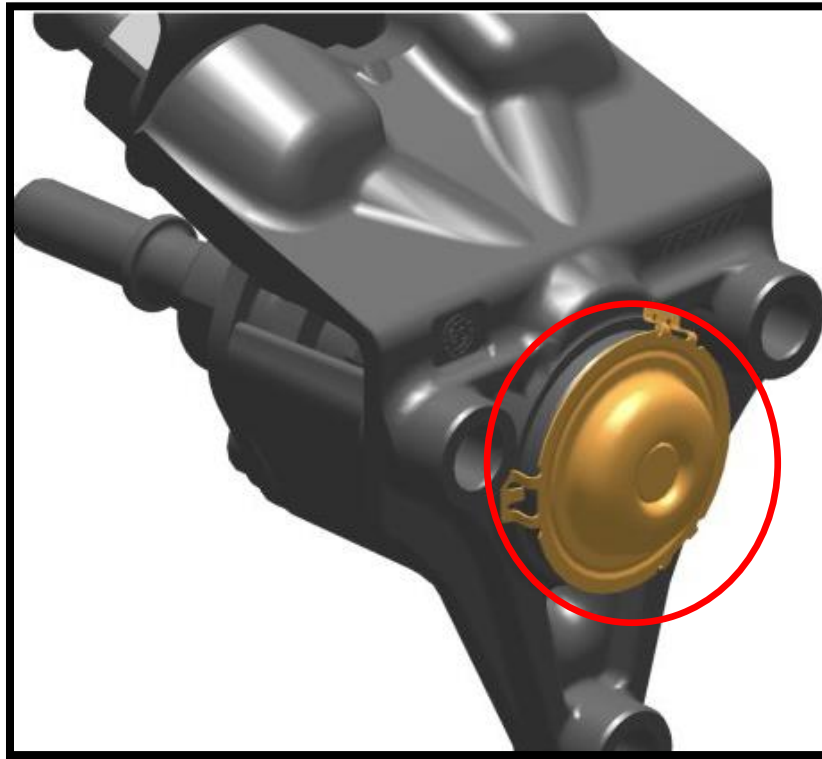
3. Inspect Urea Dosage Valve for spacers and incorrect hardware. If incorrect hardware is found, proceed to step 4. If correct hardware is installed, follow claiming instructions.
4. Follow Impact repair procedure **3100-09-01-06 Low Voltage System, Decommission** to decommission the truck.

Urea Dosage Valve Hardware Inspection & Replacement

5. Remove bolts and spacers from the Urea Dosage Valve. Discard bolts and spacers. Ensure to leave all coolant/DEF/electrical lines connected.



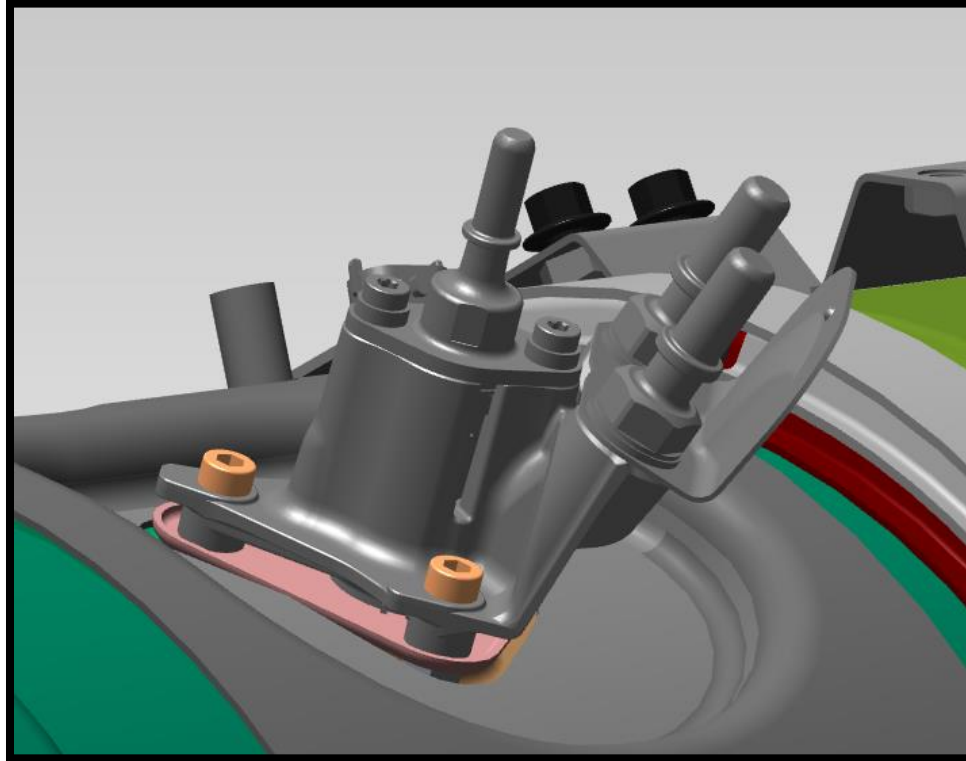
6. Carefully lift the Urea Dosage Valve to gain access to the sealing plate. Remove the sealing plate and discard.



7. Install new sealing plate and reinstall the Urea Dosage Valve.

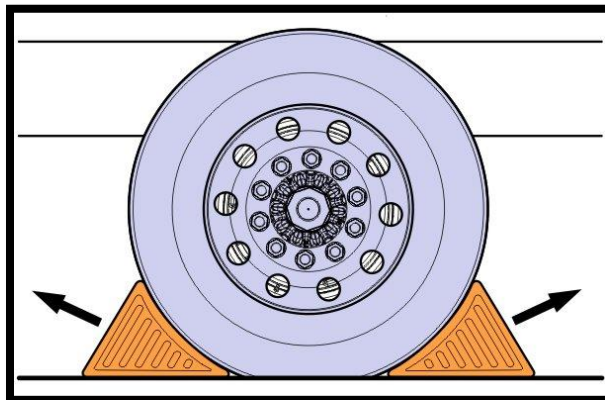
Urea Dosage Valve Hardware Inspection & Replacement

8. Install new M6*20 Hex Socket Screws without spacers and torque to specification.



Torque Specification
$10 \pm 1.5 \text{ Nm}$ ($7 \pm 1 \text{ ft-lbs}$)

9. Follow Impact repair procedure **3100-09-01-05 Low Voltage System, Commission** to re-commission the truck.
10. Remove wheel chocks.



11. Return the truck to service.