

Description of Revisions: *This bulletin replaces the version dated October 2007. The related VMRS codes are added.*

General Information

This bulletin applies to vehicles manufactured from July 3, 2006, through November 3, 2006, with the double-check valve p/n 12-18201-001 installed in the suspension dump air lines.

A machining variance in the body of the double-check valve may cause the check ball to stick and not seal completely. This may result in the operator not being able to dump the suspension air.

To resolve this issue, replace the check valve, following the instructions in this bulletin.

Parts

Parts are available from the PDCs. See [Table 1](#).

Manufacturer	Description	Part Number	Qty.
AMU Norgren	Double-Check Valve	12-18201-001	1

Table 1, Parts Required

Procedure

1. Shut down the engine, set the parking brake, and chock the tires.
2. Disconnect the batteries.
3. Drain the air reservoirs.

IMPORTANT: Clean the air management unit (AMU) and the area around it of all road debris before proceeding. Failure to do so can result in road debris between the modules and their seals, causing air leakage.

4. Find the double-check-valve module on the AMU. See [Fig. 1](#).
5. Loosen the bolts on the L-bracket that secure the AMU to the mounting bracket on the frame rail crossmember. See [Fig. 2](#). This will allow the AMU to separate, allowing for easy removal of the module.

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AMU Norgren Double-Check Valve Does Not Seal Completely

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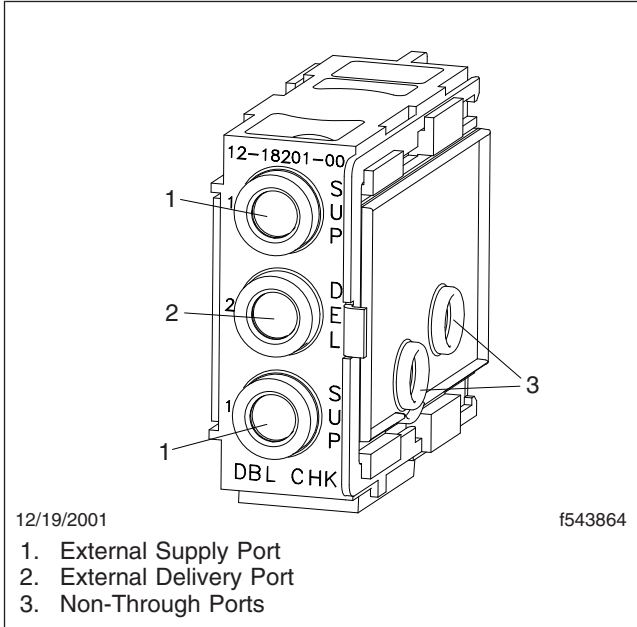


Fig. 1, Double-Check-Valve Module

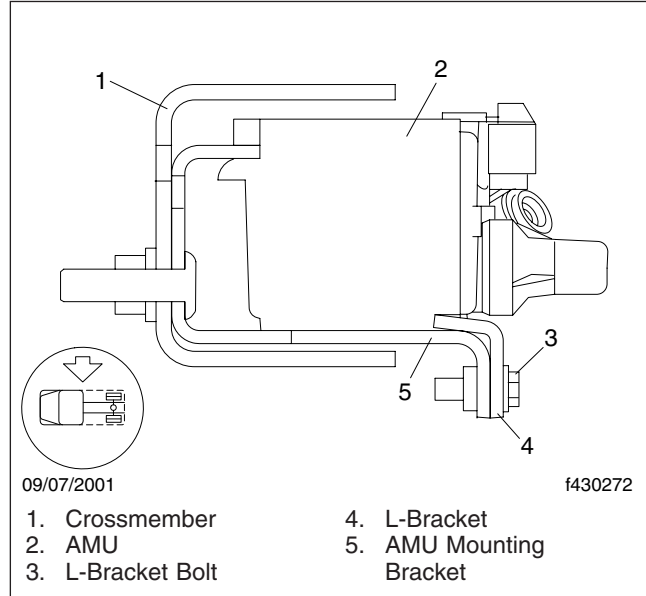


Fig. 2, Air Management Unit (AMU)

- Mark and disconnect the air lines from the double-check-valve module.
- Pull out the locking keys from both sides of the module, and slide the AMU apart. See **Fig. 3**.

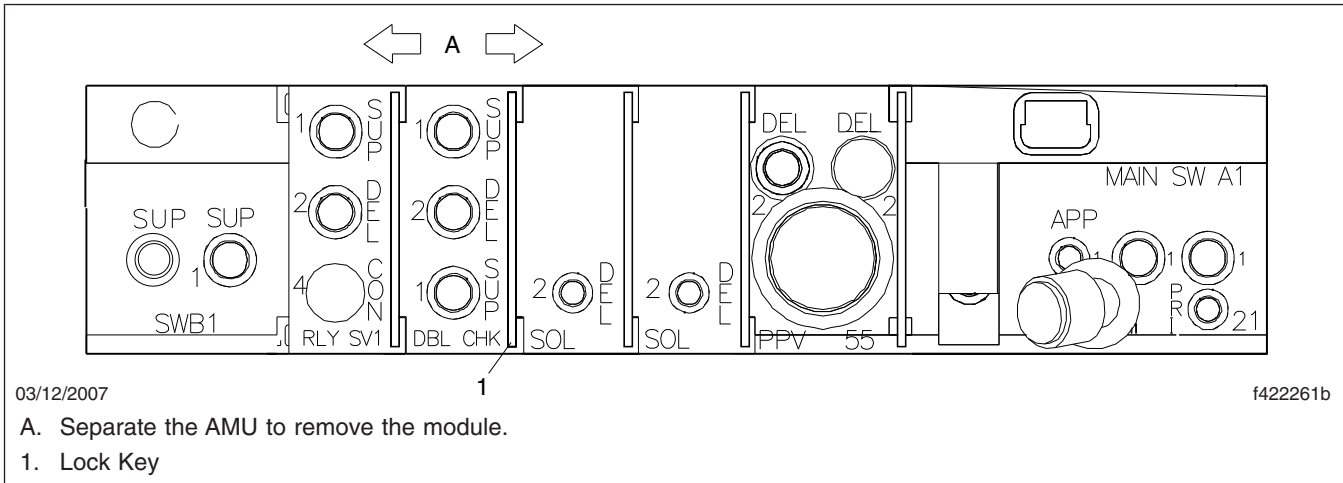


Fig. 3, AMU Module Replacement

- Remove the double-check-valve module.
- Install the new seals on the sides of the new double-check-valve module.
- Place the new module in position and slide the AMU modules together.
- Push in the locking keys.

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12. Install the air lines as previously marked.
13. Firmly tighten the bolts on the L-bracket, securing the AMU in the mounting bracket. See [Fig. 2](#).
14. Connect the batteries.
15. Charge the air system and check for leaks. Tighten any fittings as needed.
16. Remove the chocks from the tires.

Warranty

Normal warranty applies. Use the damage code and time guide information in [Table 2](#). Reference the number of this bulletin in the story of the claim, and use 12-18201-001 as the primary failed part number.

Damage Code	SRT Code	Description	Hours
46E-000021130	46E-5005A	AMU Double-Check Valve, R/R	0.3

Table 2, Damage Code and Time Guide Information

NOTE:

Component Code / VMRS = 013-010-389 MODULE - AIR MANAGEMENT UNIT

Component Code / VMRS = 013-010-399 VALVE - AIR MANAGEMENT UNIT

