

FLA COE
FLB COE
FLD Conventional
Business Class

FLC 112 Conventional
Century Class Conventional
Argosy COE
Cargo

Columbia
Coronado
> Business Class M2
Cascadia

**Freightliner
Service Bulletin**

Description of Revisions: *This bulletin replaces the version dated June 2008. It now applies only to vehicles built before November 6, 2006. The list of parts and the replacement instructions have been revised, and a list of discontinued replacement parts has been added in Table 2.*

General Information

On some Business Class M2 vehicles built before November 6, 2006, the dash structure around the MV-3 brake valve can crack. If this is the case, replace the dash-panel frame assembly with the part listed in [Table 1](#). The new part has been designed with reinforcing ribs on the rear surface to prevent cracking.

Parts

Parts are available through the PDCs; see [Table 1](#). If the problem was fixed previously using the sets of discontinued replacement parts listed in [Table 2](#), do not repeat the procedure unless the dash-panel frame assembly is cracked.

Part Number	Description	Qty.
A22-62508-000	Frame Assembly, Upper Dash	1

Table 1, Parts Required

Discontinued Replacement Part Sets		
Date Discontinued	Part Number	Description
November 6, 2006	A22-51683-000	Upper Dash-Panel Frame Assembly
	22-63282-000	Reinforcement Plate
	23-11865-006	U-Clip, 10-16
May 27, 2008	A22-63313-000	Upper Dash-Panel Frame Assembly
	22-63282-000	Reinforcement Plate

Table 2, Discontinued Replacement Part Sets

Replacing the Dash-Panel Frame Assembly

1. Check the tires.
2. Disconnect the batteries at the negative terminals.
3. Drain the air system.
4. Remove the screws from the dash trim panel and remove the panel; see [Fig. 1](#).
5. Unscrew the yellow knob from the stem on the MV-3 valve by turning it counterclockwise. Mark the knob in relation to the valve for later reference.

If equipped with trailer brakes, repeat the procedure for the red knob.

6. Remove the lower gauge panel as follows; see [Fig. 2](#).
 - 6.1 Remove the two remaining screws that secure the panel to the dash.
 - 6.2 Remove the panel far enough to access the back of the cigarette lighter, and mark and disconnect the two wires. Mark and disconnect any additional wiring.
 - 6.3 Remove the panel.

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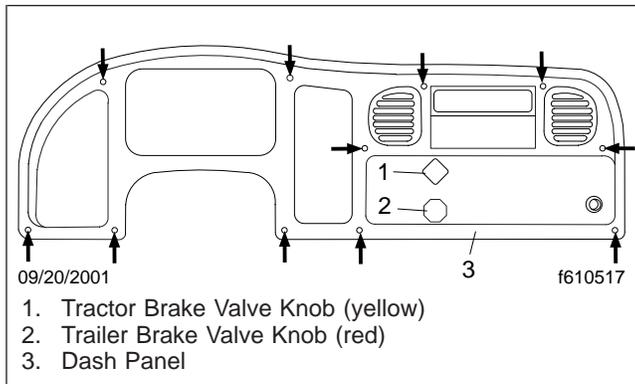


Fig. 1, Dash Trim Panel Screws (arrows)

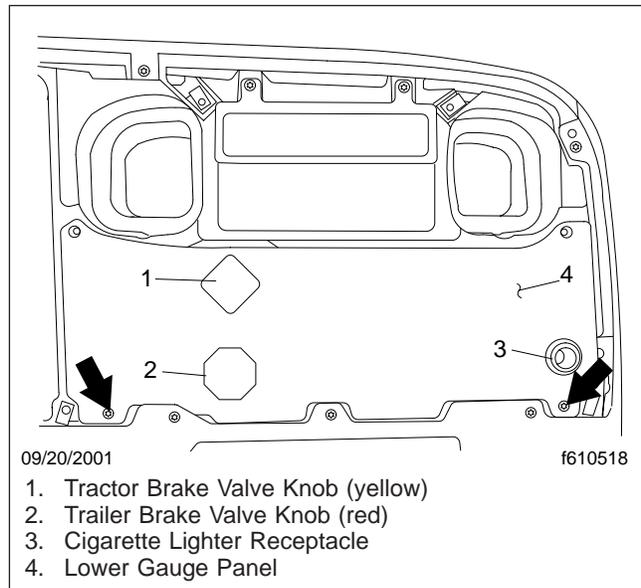


Fig. 2, Lower Gauge Panel Screws

7. Remove the four screws that attach the valve to the dash-panel frame assembly; see [Fig. 3](#). Remove the valve far enough to access the air line connections on the back.

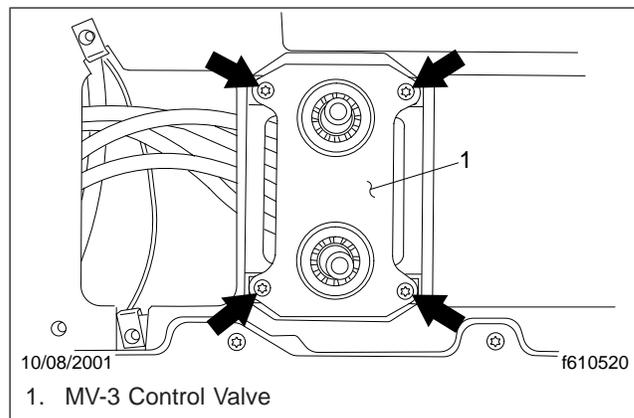


Fig. 3, Control Valve Screws

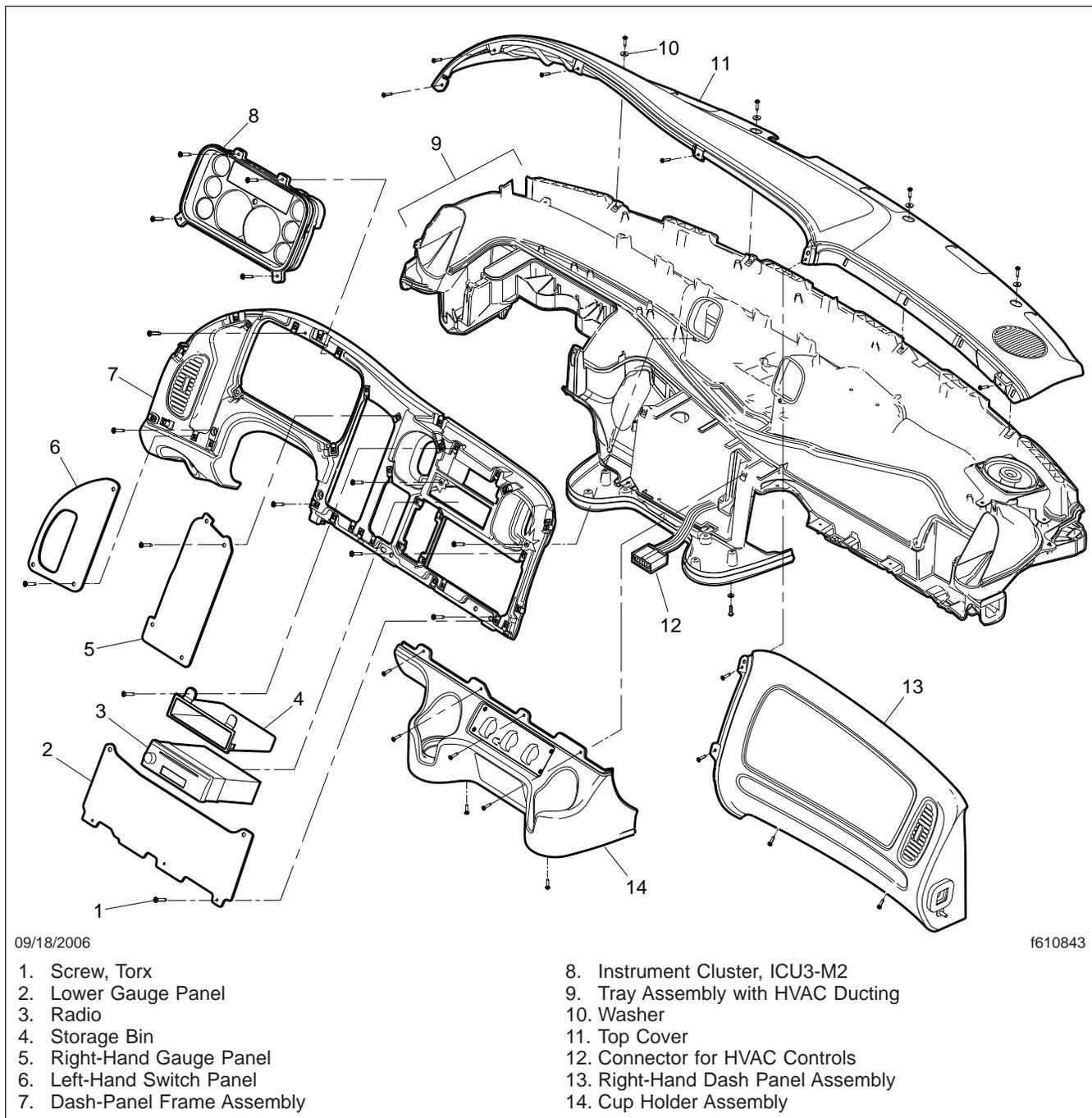
8. Mark, then disconnect the air lines from the MV-3 valve.
9. Remove the MV-3 valve from the dash.
10. Remove the dash-panel frame assembly from the vehicle, as follows; see [Fig. 4](#).
 - 10.1 Remove the screws that hold the left-hand switch panel in place. Tilt the panel forward, mark and disconnect the wiring from the back of the panel, then remove the panel.
 - 10.2 Remove the screws that hold the ICU3-M2 unit in place. Mark and disconnect the wiring from the back of the unit, then remove the unit.

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09/18/2006

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- 1. Screw, Torx
- 2. Lower Gauge Panel
- 3. Radio
- 4. Storage Bin
- 5. Right-Hand Gauge Panel
- 6. Left-Hand Switch Panel
- 7. Dash-Panel Frame Assembly

- 8. Instrument Cluster, ICU3-M2
- 9. Tray Assembly with HVAC Ducting
- 10. Washer
- 11. Top Cover
- 12. Connector for HVAC Controls
- 13. Right-Hand Dash Panel Assembly
- 14. Cup Holder Assembly

Fig. 4, Removing and Installing the Dash-Panel Frame Assembly

10.3 Remove the right-hand gauge panel. If you can fit the panel through the opening in the dash-panel frame assembly, leave the wiring connected to the back of the panel; otherwise, disconnect the wiring.

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- 10.4 Remove the upper and lower screws that hold the cup holder assembly in place. Pull the assembly out far enough to disconnect the wiring for the HVAC controls, then remove the entire cup holder assembly along with the HVAC controls and the ash tray.
- 10.5 Remove the screws that hold the right-hand dash panel assembly in place. Disconnect the wiring from the right-side door switch for the dome light, then remove the right-hand dash panel assembly.
- 10.6 Disconnect the wiring from the other dome-light door switch, located on the left side of the dash-panel frame assembly.
- 10.7 Remove all the screws that hold the top cover in place.
- 10.8 Move the top cover out of the way, then tilt the dash-panel frame assembly forward and disconnect the wiring from the radio.
- 10.9 Remove the dash-panel frame assembly from the vehicle.
11. Remove and save the following from the old dash-panel frame assembly:
 - the foam gaskets for the HVAC ducts;
 - the radio;
 - the storage bin;
 - the left-hand door switch for the dome light.
12. Install the radio, the storage bin, and the left-hand door switch for the dome light in the new dash-panel frame assembly.
13. Pass the MV-3 air lines through the opening, then, as previously marked, connect the air lines to the MV-3 valve.
14. Using the previously removed fasteners, install the MV-3 valve in the opening of the dash-panel frame assembly; see [Fig. 5](#) for a rear view of the installed MV-3 valve.
15. Install the valve and tighten the four mounting screws; see [Fig. 3](#). Tighten the screws 25 to 40 lbf-in (280 to 450 N·cm).
16. Attach the yellow knob to the threaded stem of the valve spool. Make sure the knob orientation is correct. If equipped with trailer brakes, repeat the procedure for the red knob.
17. With the MV-3 valve installed in the dash-panel frame assembly, leak test the fittings following the instructions in **Group 42** of the *Business Class M2 Workshop Manual*. Do this before completely installing the dash-panel frame assembly.
18. When the leak testing is complete and any leaks corrected, shut down the engine.
19. Install the foam gaskets for the HVAC ducts in the new dash-panel frame assembly.
20. Install the dash-panel frame assembly as follows; see [Fig. 4](#).
 - 20.1 Connect the wiring to the radio.
 - 20.2 Install the top cover and all the fasteners that hold it in place.
 - 20.3 Connect the wiring to the left-hand door switch for the dome light.
 - 20.4 Install the right-hand dash assembly.
 - 20.5 Connect the wiring to the right-hand door switch for the dome light.
 - 20.6 Connect the wiring for the HVAC controls on the cup holder assembly, then install the cup holder assembly.
 - 20.7 Install the right-hand gauge panel.

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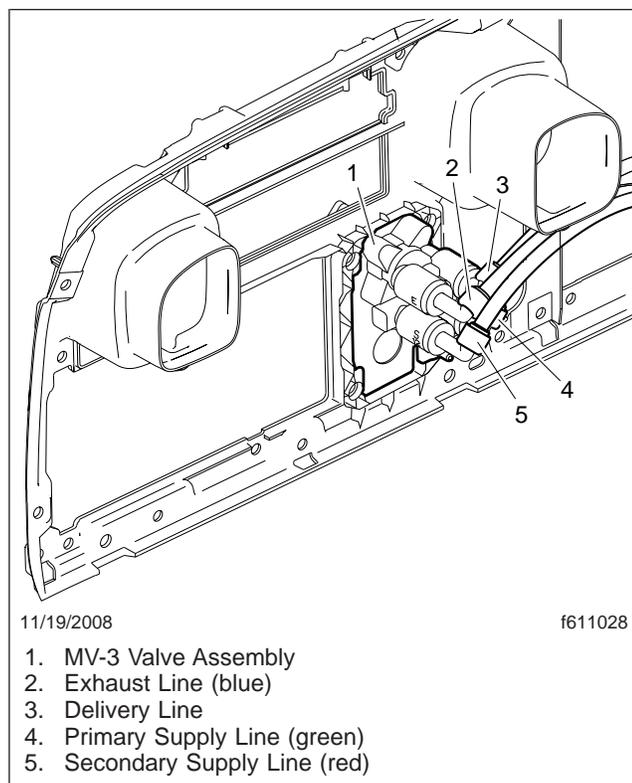


Fig. 5, MV-3 Valve Installed (rear view)

- 20.8 Connect the wiring to the ICU3-M2 unit, then install the unit in the dash-panel frame assembly.
- 20.9 Position the lower gauge panel and connect the wiring for the cigarette lighter and any additional wiring. Secure the panel using the Torx screws previously removed.
- 20.10 Connect the wiring to the back of the left-hand switch panel, then install the panel.
- 21. Check that all fasteners are tightened firmly.
- 22. Install the dash trim panel and the mounting screws; see [Fig. 1](#). Tighten the screws 26 to 34 lbf-in (300 to 380 N-cm).
- 23. Connect the batteries at the negative terminals.

Warranty

Normal warranty applies. When submitting claims, reference this service bulletin by number in the story of the claim. Use the damage code and time guide information in [Table 3](#).

IMPORTANT: If the problem was fixed previously using the sets of parts listed in [Table 2](#), do not repeat the procedure unless the dash-panel frame assembly is cracked. Make sure to verify the primary failed part number on the actual part before filing claim.

60-130

Dash Cracks Around MV-3 Brake Valve

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Damage Code and Labor Allowance					
VMRS CK33	VMRS CK18	Damage Code	SRT Code	Description	Time: hours
002-008-001	14	680-001A13130	680-5005A	Dash Cracks Around MV-3 Valve	1.3

Table 3, Damage Code and Labor Allowance