



# INSTRUCTION TO SERVICE

| ITS-60473   |                                                                     | 06/16/2022 |
|-------------|---------------------------------------------------------------------|------------|
| SECTION:    | 246-Air, brake & levelling system.                                  |            |
| WRITTEN BY: | Michael Rooney                                                      |            |
| SUBJECT:    | Replace 12V MV8 valve with 24V MV8 valve.                           |            |
| ISSUE:      | MV8 valve is powered by a 24V source on this SR.                    |            |
| SUMMARY:    | Remove existing 12V MV8 valve and replace with equivalent 24V part. |            |

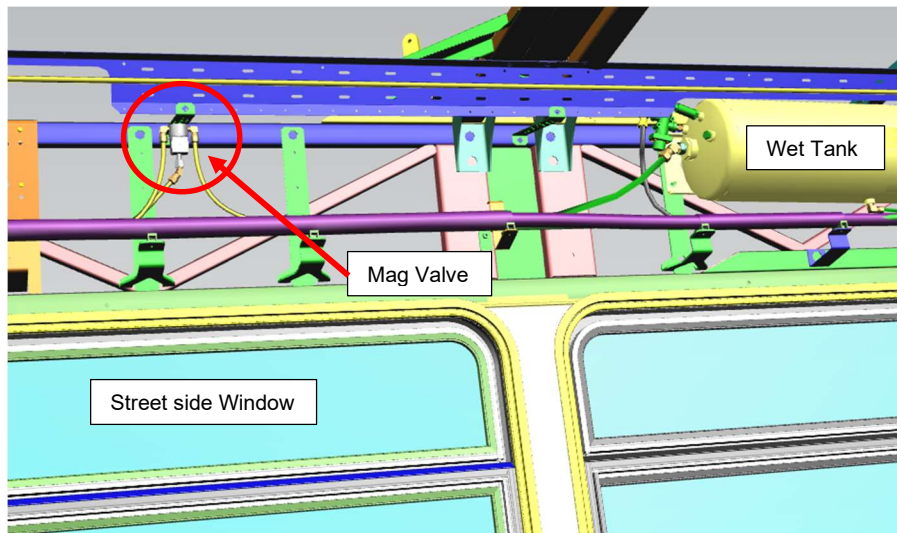
# ITS-60473

| Ref. NHTSA Recall No. | Ref. Transport Canada Recall No. |
|-----------------------|----------------------------------|
| Not Applicable        | Not Applicable                   |

**THIS ITS DOCUMENT SHOULD BE RETAINED AND REFERRED TO FOR FUTURE MAINTENANCE UNTIL THE NEW FLYER PARTS AND/OR SERVICE MANUAL IS UPDATED TO REFLECT WORK DONE AS A RESULT OF THIS DOCUMENT. ENSURE THAT THIS DOCUMENT IS AVAILABLE FOR PARTS AND MAINTENANCE STAFF GOING FORWARD.**

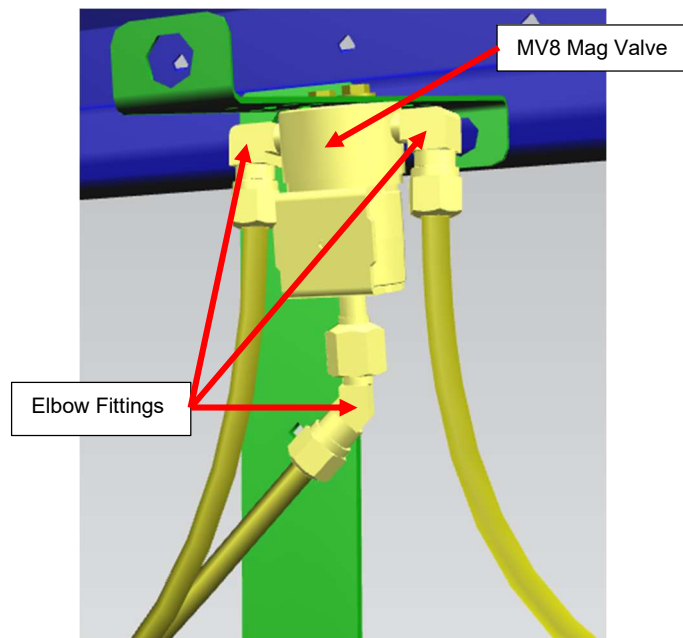
## PROCEDURE:

1. Turn the main battery disconnect switch to the “OFF” position.
2. Drain the air system.
3. Remove the street side add panels at the rear of the passenger cabin adjacent to the rear door and locate the MV8 valve. It is located to the rear of the wet tank.



**Figure 1: Mag Valve Location**

4. Remove the existing MV8 Mag valve:
  - a. Disconnect the air lines at the Mag valve supply, delivery and exhaust ports. Mark the air lines if necessary to ensure they can be reconnected in the correct locations.
  - b. Disconnect the electrical connector on the Mag valve.
  - c. Remove and set aside the two bolts and washers that secure the Mag valve to the mounting bracket then remove the Mag valve.



**Figure 3: Mag Valve Fittings.**

5. On the work bench, transfer the air line fittings from the old Mag valve to a new Mag valve NF P/N 623679.
  - a. Install the 1/8" NPT elbow fittings finger then apply 2 – 3 turns past finger tight as required to achieve the correct orientation. Use Loctite 567 thread sealant NF P/N 8110442 on the threads.
6. Install the new Mag valve on the mounting bracket in the original orientation using the original mounting hardware set aside earlier.
7. Attach the air lines to the supply, delivery and exhaust ports on the Mag valve in the original orientation.
  - a. Insert the tube into the fitting until it bottoms on the seat. The nut should be screwed down finger tight then tightened 4 turns with a wrench.
8. Reconnect the electrical connector at the Mag valve.
9. Turn the main battery disconnect switch to the "ON" position.
10. Switch the bus on and allow the air system to pressurize. Check to ensure that the purge valve on the air compressor activates when the system reaches operating pressure and the compressor shuts off.
11. Check the Mag valve connections for air leaks and repair as necessary.
12. Replace the street side ad panels.
13. Remove all tools and debris and return the bus to service condition

### LABOUR ESTIMATE

|   | Operation                             | Number of Technician(s) | Hours | Labor Time<br>T X HR |
|---|---------------------------------------|-------------------------|-------|----------------------|
| 1 | Remove and replace the MV8 Mag Valve. | 1                       | 0.5   | 0.5                  |

### PARTS REQUIRED

| Item | Part Number | Description                | Qty.<br>per<br>Coach | Units | Notes |
|------|-------------|----------------------------|----------------------|-------|-------|
| 1    | 623679      | ASSY-VALVE SOLENOID 24V    | 1                    | EA    |       |
| 2    | 8110442     | LOCTITE 567 THREAD SEALANT | 0.01                 | EA    |       |

### SPECIAL TOOLS REQUIRED

| Item | Part Number | Description | Qty. | Units | Notes |
|------|-------------|-------------|------|-------|-------|
| 1    |             |             |      |       |       |