

TSIB 25-03 Rev A		April 16, 2025
<b>TO:</b>	All Operators	
<b>TITLE:</b>	VMAC Air Compressor Intermittent Use and Storage Procedures	
<b>APPLICABILITY:</b>	All New Flyer Xcelsior Buses Equipped with VMAC Air Compressors	

This TSIB identifies the special procedures necessary when the bus is not in regular use and the compressor is operated at a low duty cycle.

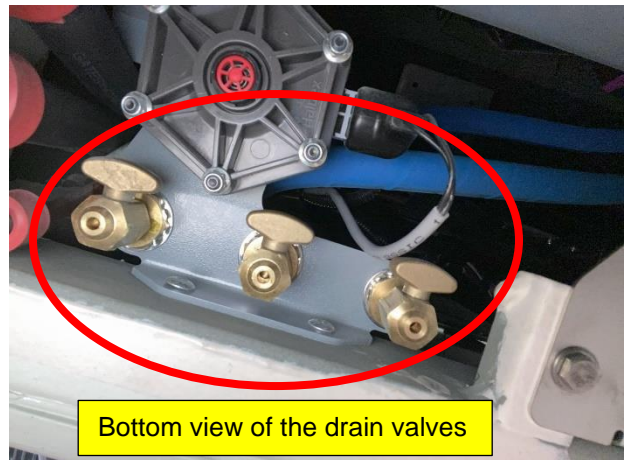
When there is infrequent use of the compressor, especially in warm, humid environments, water can accumulate in the compressor oil. This may result in damage to the compressor and reduced service life. To reduce the chance of this occurring the compressor should be allowed to warm up during use. If the bus is not in regular service and the compressor is not run often, the special procedures outlined below should be followed.

### Part A- Preventative Measures

Prior to storage and after periods of intermittent use (i.e. not in regular service), the compressor must run in a warmed-up state to expel any built-up moisture. This can be done using either of the two water removal options described below:

#### **Option 1: Drain Valve Method**

1. Open an air system tank drain valve and let the compressor run for 5 minutes.





2. Close the drain valve and let the system run up to the cut-out pressure at 131psi to allow the dryer purge cycle to activate.
3. Open the air system tank drain valve again and let the compressor run for a further 5 minutes.
4. After 5 minutes, let the tanks build up pressure until the cut-out pressure at 131psi is reached.
5. Wait 45s for the purging cycle to complete before shutting down the system.

### **Option 2: Brake Pumping Method**

1. Pump the brakes until the tank pressure reaches 80psi.
2. Maintain the pressure between 80-90psi for 5 minutes by pumping the brakes.
3. After 5 minutes, let the tanks build up pressure until the cut-out pressure at 131psi to allow the dryer purge cycle to activate.
4. Wait 45s, then pump the brakes as needed to maintain tank pressure between 80-90psi for another 5 minutes.
5. After 5 minutes, let the tanks build up pressure until the cut-out pressure at 131psi is reached.
6. Wait 45s for the purging cycle to complete before shutting down the system.

### **Part B - Return to Service Evaluation**

For buses that are parked/not in service for a period of 2 weeks or more, it is recommend that Options 1 or 2 be performed every month the bus is not in service.

If you have any trouble performing Options 1 or 2, or if there is some other problem with the bus related to VMAC air compressor operation, please contact VMAC at [support@vmacev.com](mailto:support@vmacev.com).

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