

# INSTRUCTION SHEET

## FRONT AIR MANIFOLD PRESSURE REGULATOR ADJUSTMENT

### TIFFIN MOTOR HOMES WITH SINGLE STEP AIR LEVELING

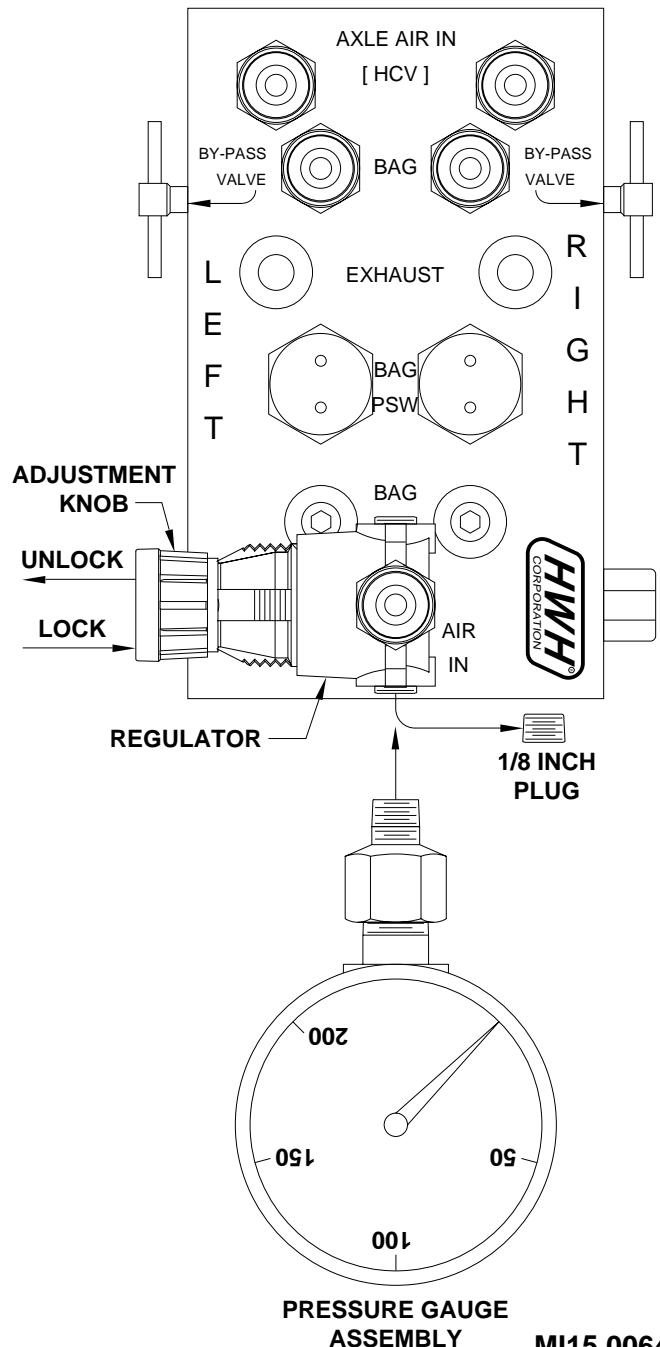
**WARNING:** DO NOT CRAWL UNDER THE VEHICLE WHEN SUPPORTED WITH THE SUSPENSION AIR BAGS. PROPERLY SUPPORT THE VEHICLE FRAME BEFORE CRAWLING UNDER THE VEHICLE TO ADJUST THE FRONT MANIFOLD AIR REGULATOR OR TO PERFORM OTHER WORK.

**NOTE:** It is best if the vehicle is on a flat level surface when adjusting the regulator.

1. Remove the 1/8 inch pipe plug from the regulator. It is recommended to drain the air from the air tanks before removing the plug. Removing the plug will exhaust the air from the air tanks. Install the pressure gauge assembly onto the regulator. DO NOT use Teflon tape or pipe sealant on the gauge assembly threads. DO NOT over tighten the gauge assembly. See the diagram below. Save the 1/8 inch plug so it can be reinstalled after adjustment of the regulator is complete.

**IMPORTANT:** MAKE SURE THE AIR TANKS ARE AT FULL PRESSURE BEFORE ADJUSTING THE REGULATOR. YOU SHOULD HEAR THE AIR DRYER PURGE VALVE RELEASE WHEN THE AIR TANKS ARE FULL.

2. To unlock the adjusting knob of the front air manifold regulator, pull the knob out, away from the main body of the regulator.
3. Turn the regulator adjustment knob counterclockwise until the gauge reads 0 psi. Turn the knob clockwise until the gauge reads 50 psi. It is important to turn the regulator down, then back up to properly adjust the regulator.
4. Push and hold the HWH touch panel front DOWN ARROW button until the front air bags are empty. Check the air bags. Repeat this with the rear DOWN ARROW button. Again, check the air bags.
5. Push and hold the HWH touch panel front UP ARROW button until the front of the vehicle stops rising. Check to make sure both front air bags are filling with air.
6. Measure from the ground to the trim line of the vehicle at the approximate center of both front wheel wells. Use a piece of tape to mark the measuring points. It is important to measure at the same place each time. Record the measurements.
7. Adjust the regulator up 5 psi from 50 psi. to 55 psi. Remember to support the vehicle before crawling under the vehicle.
8. Again, push and hold the front UP ARROW button until the front of the vehicle stops rising. Measure at the trim line again and record the measurement.
9. Repeat this procedure, increasing the regulator pressure by 5 psi each time until the front of the vehicle does not raise at all when the UP ARROW button is pushed.
10. Leave the regulator pressure at the final setting and push the adjustment knob in to lock the regulator setting.
11. Remove the pressure gauge assembly from the regulator and re-install the 1/8 inch plug. Use Teflon tape to seal the threads. Be careful to not get Teflon tape inside the regulator.
12. After the regulator is adjusted, refer to Manual ML46839, Performance Check List for 2000 series Single Step Air Leveling System to fully test the system.



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