



# **Specialty Manufacturing, Inc.**

## **Technical Bulletin**

**AXA-0001-00**

### **AIR LEAK REPAIR PROCEDURE: INTEGRATED AIR CROSS ARM**

**This manual contains proprietary information of SMI. It is intended solely for the information and use of parties operating and maintaining the equipment described herein. Such proprietary information may not be used, reproduced, or disclosed to any other parties for any other purpose without the expressed written permission of SMI.**

**Controlled copies of SMI documents are maintained within SMI. Printed or electronic copies in other storage locations are uncontrolled.**



# AIR LEAK REPAIR PROCEDURE: INTEGRATED AIR CROSS ARM

**Purpose:** This technical bulletin provides information regarding the procedure for repairing an air leak between the spring cover and the mounting bracket.

## Required Tools and Hardware:

- Socket Set with ratchet (7/16" & 1/2")
- Spring cover gasket (002124)
- Torque Wrench (In LBS)

## Procedure:

1. Disconnect the air input from the back of the unit.
2. Remove the Poly-rod from the base unit's hinge arm.
3. Disconnect the base unit from the bumper of the bus.
4. Remove 8 bolts securing the spring cover to the mounting bracket. Remove cover.



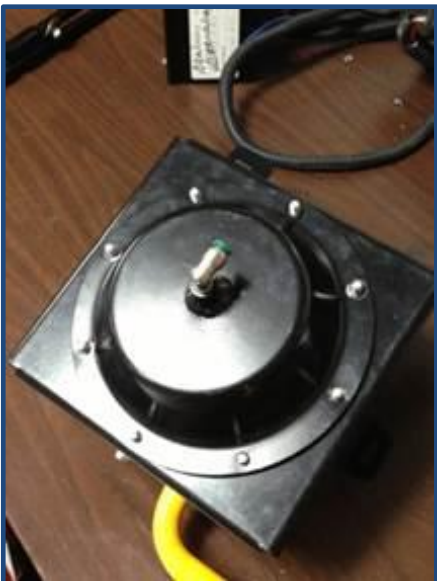


## AIR LEAK REPAIR PROCEDURE: INTEGRATED AIR CROSS ARM

5. Install additional gasket (002124) over previously installed gasket (002124).
  - If the original gasket is damaged it should be replaced at this time.
  - If done correctly you currently should have (2x) 002124 gaskets on the mounting bracket.



6. Re-install spring cover. (Note: Air nozzle should be facing away from hinge arm.)





## AIR LEAK REPAIR PROCEDURE: INTEGRATED AIR CROSS ARM

7. Secure spring cover with, ¼" bolts and lock washers to a torque rating of 60 In Lbs. CAUTION: DO NOT OVER TORQUE THESE BOLTS. Tighten the bolts in a crisscrossing pattern to help eliminate uneven seating.



8. Insure offsets are located in the positions marked 1 and 4.
9. Test the unit to insure air leak has been fixed, prior to its re-installation into the bus.
10. Re-mount the unit on the back of the bumper.
11. Re-install the Poly-rod onto the units hinge arm
12. Re-install air input into the back of the unit.



# AIR LEAK REPAIR PROCEDURE: INTEGRATED AIR CROSS ARM

Rev. Level	Rev. Date	Details		Description of Change
		Page	Para.	
-	03/01/13	ALL	ALL	INITIAL RELEASE

Specialty Manufacturing Group, Inc.  
10200 Pineville Rd  
Pineville, NC 28134  
Toll Free 800-951-STOP (7867)  
Phone 704-889-7518  
Fax 704-889-2760

<http://www.smiglobal.net>

For Technical Support, Email: [tech.support@smiglobal.net](mailto:tech.support@smiglobal.net)

More technical publications available at:

[http://www.smiglobal.net/tech\\_bulletins.php](http://www.smiglobal.net/tech_bulletins.php)

Controlled copies of SMI documents are maintained within SMI. Printed or electronic copies in other storage locations are uncontrolled.