



IMPROVEMENT OFFERING

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| ISSUE DATE: | 11/4/2021 |
| SERVICE BULLETIN SUBJECT: | Thirty-five Foot Compressor Snorkel Intake Retrofit |
| VINs or MODELS AFFECTED: | Service Specified Buses |
| COMPLETE BY: | Next Service Opportunity |
| SERVICE BULLETIN #: | SC-21-159 |
| LABOR OPERATION CODE: | BC43H |

NOTICE! It is expected that this process may require up to 1 hour per bus. Please schedule appropriately to minimize vehicle downtime.

THIRTY-FIVE FOOT COMPRESSOR SNOKEL INTAKE RETROFIT

Description

The procedure adds a snorkel to the input of the air compressor to reduce contamination of the compressor.

Tools/Parts Required

Tools and Supplies Required:

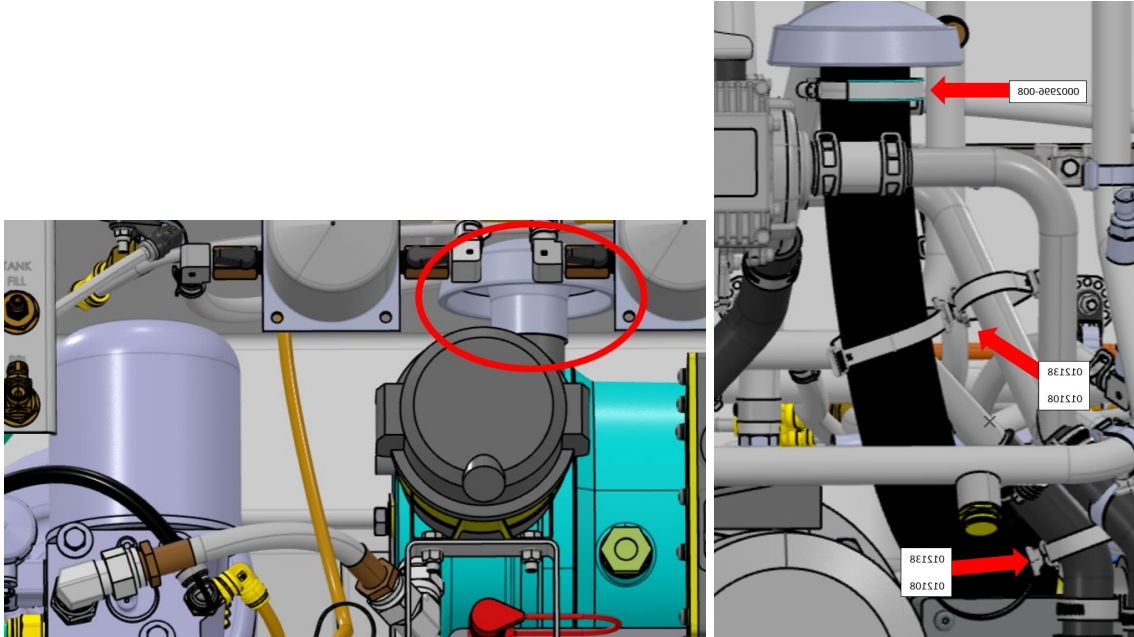
- #2 Phillips Screwdriver
- Side Cutting Pliers
- Ratchet
- #2 Phillips Screwdriver Socket
- Calibrated Torque Wrench

Kit Parts Required:

- 059515 RETROFIT KIT, AIR COMPRESSOR INTAKE (Consisting of)
 - 054841 KIT, AIR FILTER HOUSING RELOCATION TUBE 1 EA
 - 012138 CABLE TIE, HEAVY DUTY .5WIDE 9.1" BLACK 6 EA
 - 012108 SWIVEL BUNDLE, SPACER 3 EA

Procedure

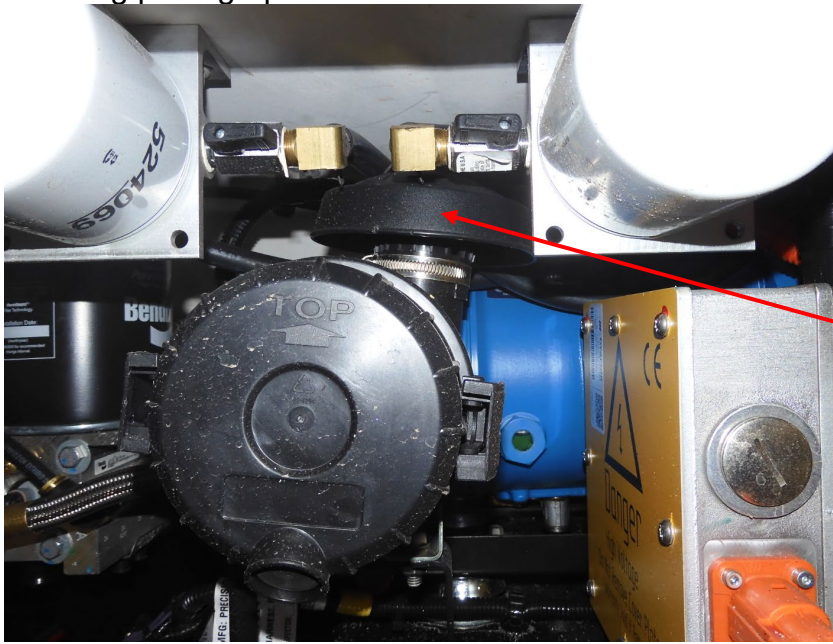
1. Complete the Proterra approved Lockout/Tagout procedure to make the bus safe for work.
2. This procedure will remove the Compressor Air Intake shown in the first illustration and extend it with a Snorkel as shown in the second illustration.



3. Open the Trunk Hatch and the Curbside Rear hatch to access the Air Compressor.

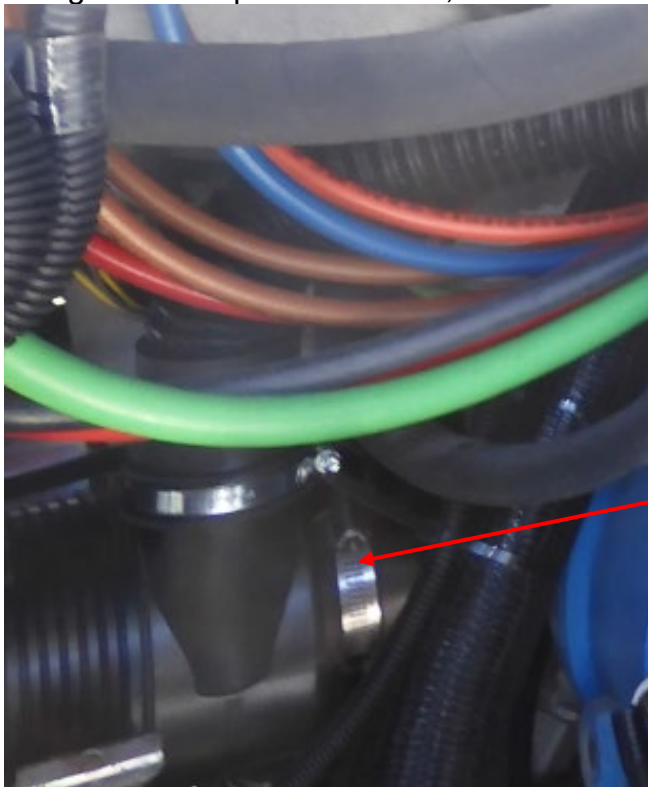


4. Working through the Curbside Rear Hatch, locate the Air Compressor intake shown in the following photograph.



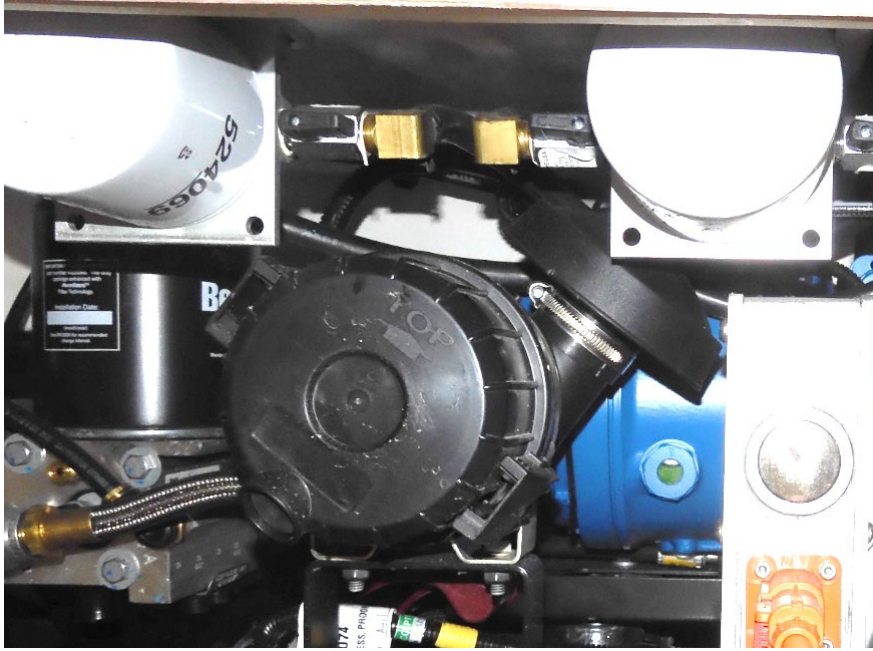
Air Intake

5. Using a #2 Phillips Screwdriver, loosen the clamp shown in the following photograph.



Clamp

6. Rotate the Air Compressor filter housing as shown in the following photograph so that the hose can be routed to the trunk area.

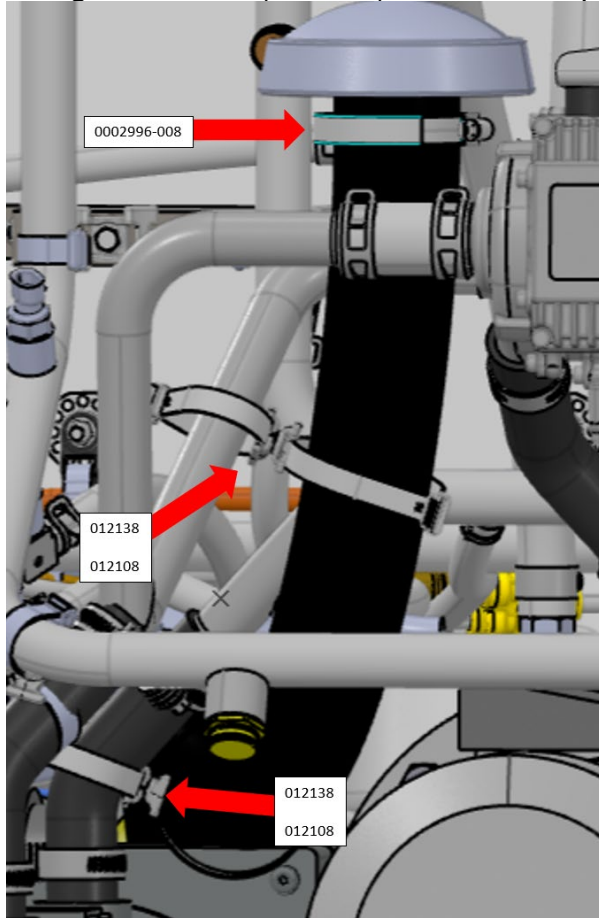


7. Using a #2 Phillips Screwdriver, remove the Air Intake from the Compressor.
8. Place the large end of the Hose inside the intake as shown in the following photograph.



9. Using a #2 Phillips Screwdriver, Secure the Intake to the Hose with a Worm Drive Clamp from the kit.
10. Using a Calibrated Torque Wrench with a #2 Phillips Screwdriver Socket, **torque the Clamp to 25 Inch Pounds.**
11. Test fit the Snorkel and Hose to find the best location for mounting them. The mounting location should be as high as possible without interfering with any other components.

12. Using a #2 Phillips Screwdriver, connect the Hose to the Compressor Filter Assembly using a Worm Drive Clamp from the Kit.
13. Using a Calibrated Torque Wrench with a #2 Phillips Screwdriver Socket, **torque the Clamp to 25 Inch Pounds.**
14. Using Cable Ties (012138) and Swivel Spacers (012108), secure the hose along its route.



15. Using Side Cutting Pliers, trim the ends of the Cable Ties (012138).
16. Close the Side Panel and the Trunk.
17. Remove the Lockout/Tagout devices and return the bus to service.