

"DOCUMENT UNCONTROLLED IF PRINTED"

DOC #	PROCESS NAME	PAGE	REVISION	STATION	BY	DATE
AR888	Replace Thomas Compressor w/ Dual Viair Compressor	1 Of 1		Service	BFisher	6/7/2024

Note: THIS IS GENERATED FROM ASSEMBLY PROCESS BEST PRACTICES -

Read process before beginning. If you do not understand any part please contact: Brad Fisher, Service Manager at 1-866-953-5555 or by e-mail at bfisher@ARBOCsv.com

Good Mechanics safety practice must be followed on any repairs.

Safety practices should include but not be limited to properly supporting the chassis, axles, blocking tires, and a work area free of clutter.

Tools Required

Drill/Bit

Parts Required

1	2014972	VIAIR DUAL SILVER 450C
2	616144	1/4 x 3/4 Cap Screw
2	1190442	1/4-20 Nylon Locknut
2	721928	1/4" Washer
2	1057957	Pclamp
8	2002833	Isolators
2	1199362	5/16" STUD 10- 12GA Ring terminal

Repair Instructions:

Step 1: Add 5/16" ring terminal to Viair compressor power wires

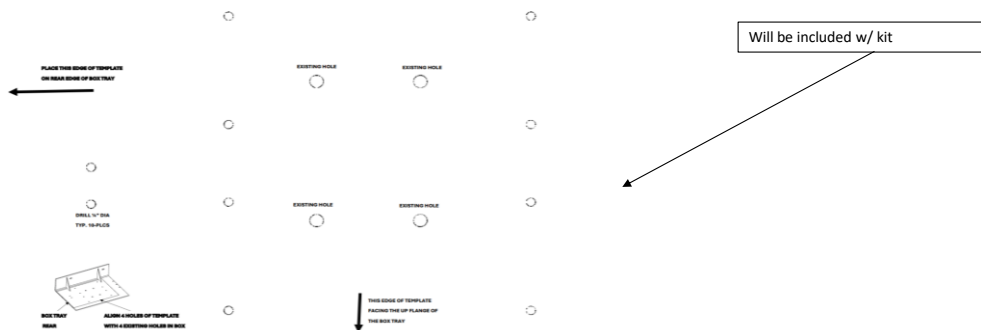
See Figure 1. Install ring terminal, Typ. Both compressors. Loom wires together



FIGURE 1. BEFORE (LEFT) & AFTER (RIGHT) ADDING RING TERMINAL

Step 2: Drill mounting holes in compressor box tray

Follow instructions on paper template to drill holes in compressor box tray



Step 3: Install isolators on tray

Discard isolators that come with Viair compressor. Use isolator #2002833 (Figure 2) to mount Viair compressors to box tray (8-PLCS).



FIGURE 2. ISOLATOR

Step 4: Install air filters on compressors

Discard plastic ring on air filters. Use Teflon tape on threads
Install filters on compressors. (Figure 3)



FIGURE 3. VIAIR AIR FILTER. REMOVE PLASTIC RING.

Step 5: P-Clamp Securement

Through bolt 7/8" P-clamps (qty 2) to box tray to secure "T" fitting (Figure 4)



FIGURE 4. P-CLAMP

Step 6: Power wires

Wire Viair compressors identical to the Thomas compressor wiring

