

VLF Trendsetter, VLF AL & VLF Platesetter

Backbone Check Valves Installation (FCO E286)

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Revision History

Revision	Date	Author	Comments
A	July 17, 2001	R. Baggett	Initial release

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1. SCOPE

This document describes the procedure for installing the Engine Backbone Check Valves on output devices with VLF engines in the field.

2. PARTS

05-0232 KIT, BACKBONE CHECK VALVES,ECO E286 TSV

Note: On VLF Platesetters prior to V49 and VLF Trendsetter prior to B121 the air lines are 5/16". This kit includes both 5/16" and ¼" fittings.

3. TOOLS REQUIRED:

3 mm. hex key

tubing cutters

4. FIELD UPGRADE PROCEDURE FOR TSV (PLATESETTER SIMILAR)

1. Open P-Door (*pdoor open*) and raise table
2. Remove front panel from Fan Box area and turn off air supply valve.
3. With the 3 mm. hex key, remove the engine manifold cover (if fitted).
4. Measure the air lines coming from the Engine Manifold to determine if they are ¼" or 5/16" diameter. Using the corresponding size of female adaptor fitting and elbow fitting, assemble the check valves as shown in Figure 1.

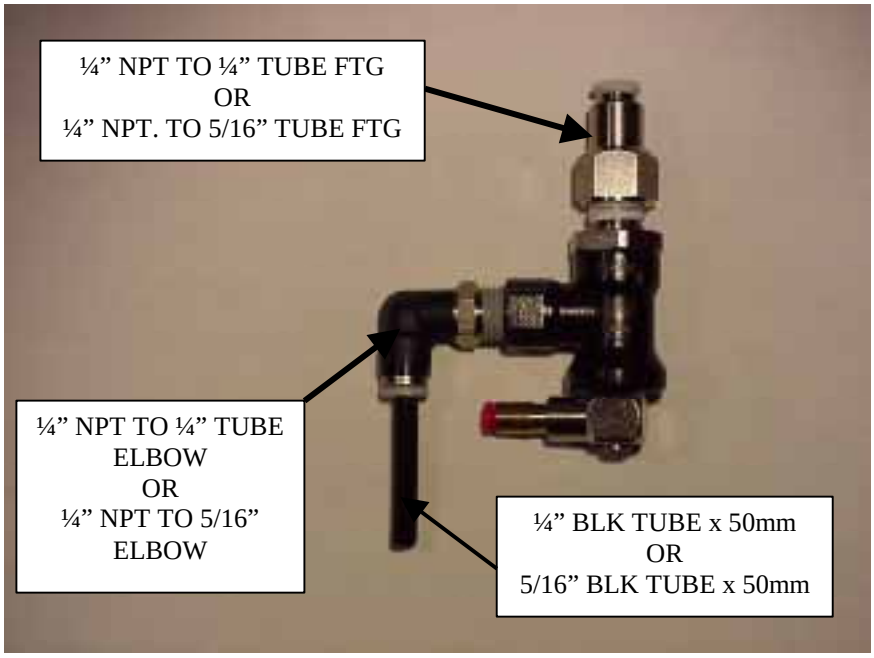


Fig. 1

5. Disconnect the Y fittings from short black tubes and the red tubes coming from the manifold. See figure 2.

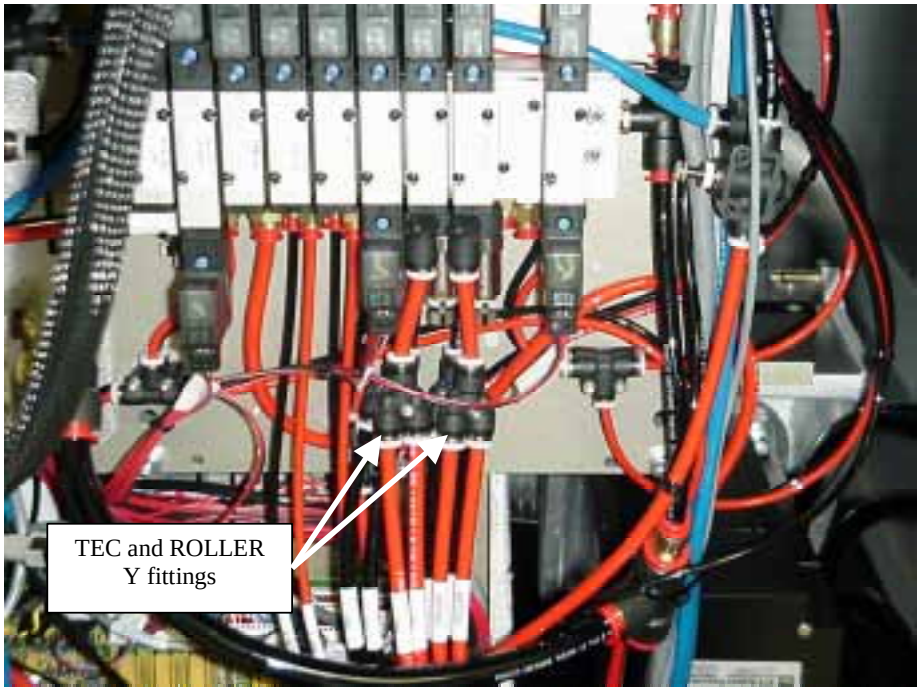


Fig. 2

6. Insert the short black tube from the manifold into the straight fittings of the check valves. Insert the short black tubes from the elbow fittings of the valves to the corresponding Y fittings. See Figure 3.

7. Remove the short red tubes from the manifold valves and replace with red tubes cut to required length to connect to corresponding Y fittings. See Figure 3.

8. Cut the black 5/16" air supply tube to the manifold and install the 3x5/32" branch fitting. Fit two lengths of 5/32" blue tubing from the branch fitting to the pilot ports on the check valves. Insert the 5/32" plug in the remaining port on the branch fitting. See Figure 3. ***NOTE: On machines that have been upgraded with FCO E246, the Pneumatic Head Dehumidifier Unit, or have had this unit installed at the factory, the 3x5/32" branch fitting will already be installed with one 5/32" air line and two 5/32" plugs. For this installation, simply remove the two 5/32" plugs and insert the two 5/32" pilot airlines. Proceed with the remainder of the installation.***

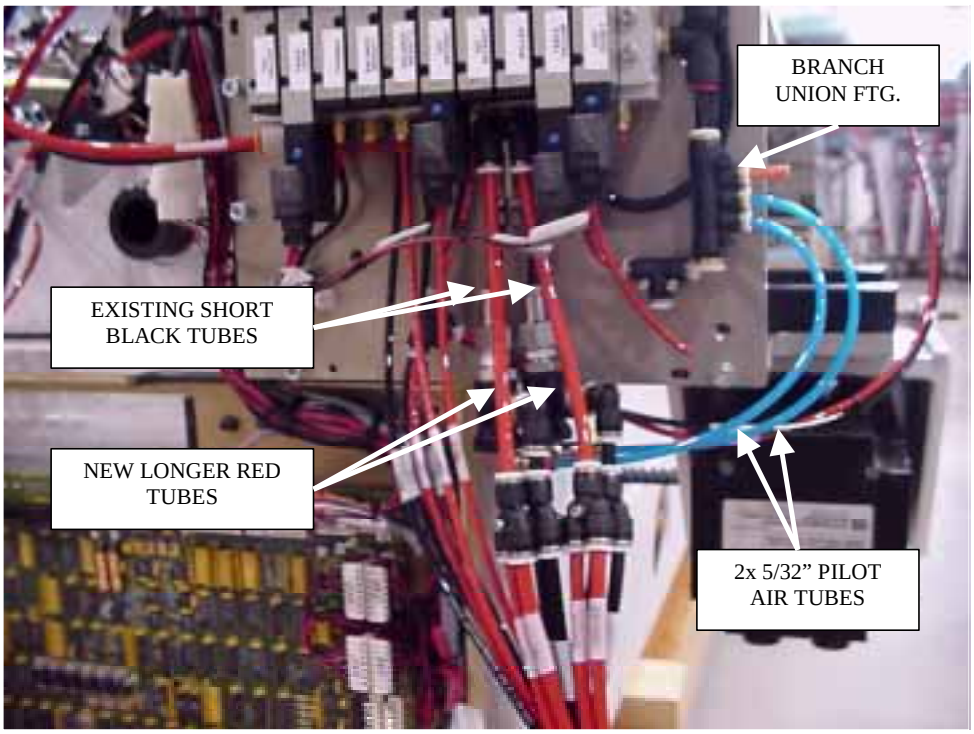


Fig. 3

9. Tidy up air line installation as required.

10. Turn on air supply valve. Check valve installation for air leaks and repair as required.

11. Install the engine manifold cover (if fitted).

12. Check the correct operation of the TEC and Roller backbones by raising and lowering them with commands *tec on, tec off, rlr on & rlr off.*

13. Return unit to operation status.