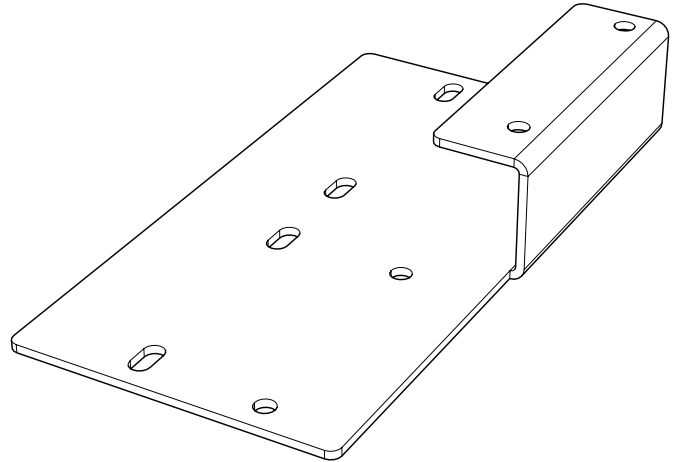


The following illustrates how to replace two existing Lancer Mini Pumps with the two pump bracket and Compact pumps.

### Kit Contents - 82-6338

Part Number	Description	Qty
30-16368	Two Pump Bracket	1
01-0423	Elbow, SS, 1/4" x 1/4" Barb	1
04-0477	Screw, 8-32 x 0375, PH, PH/SL, RL, SS	6
07-0409	Oetiker Clamp, 9/32	5
08-0029	Tubing, 0.25 ID x 0.437 OD	1.5 ft
01-2492	Elbow, CO2, 1/4" Barb	1



#### NOTE

Compact pumps not included with kit, sold separately. (Lancer PN: 86-0195)

### Existing Mini Pump Configuration

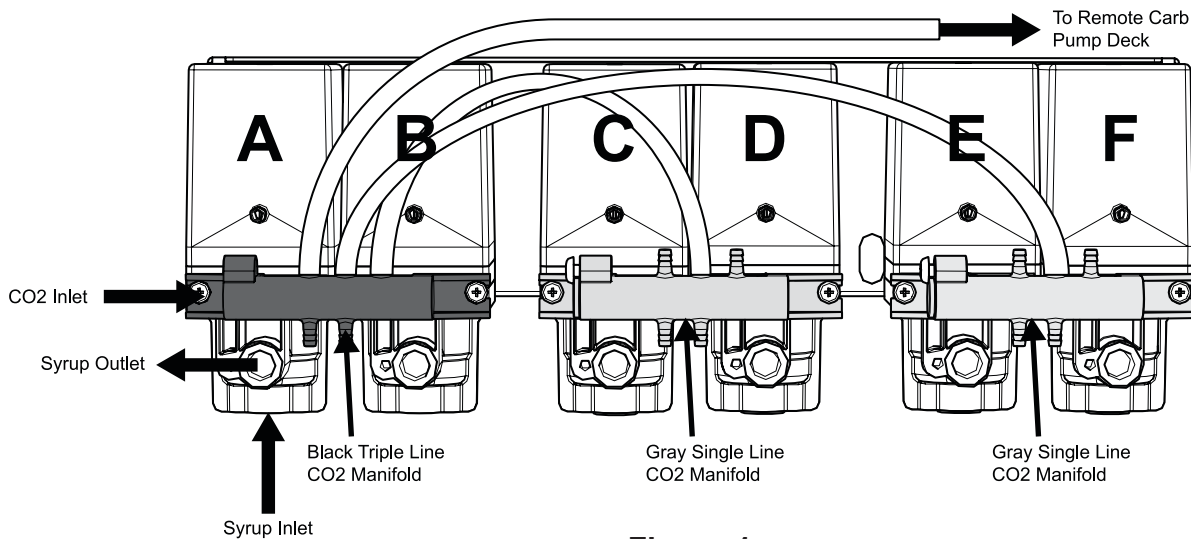
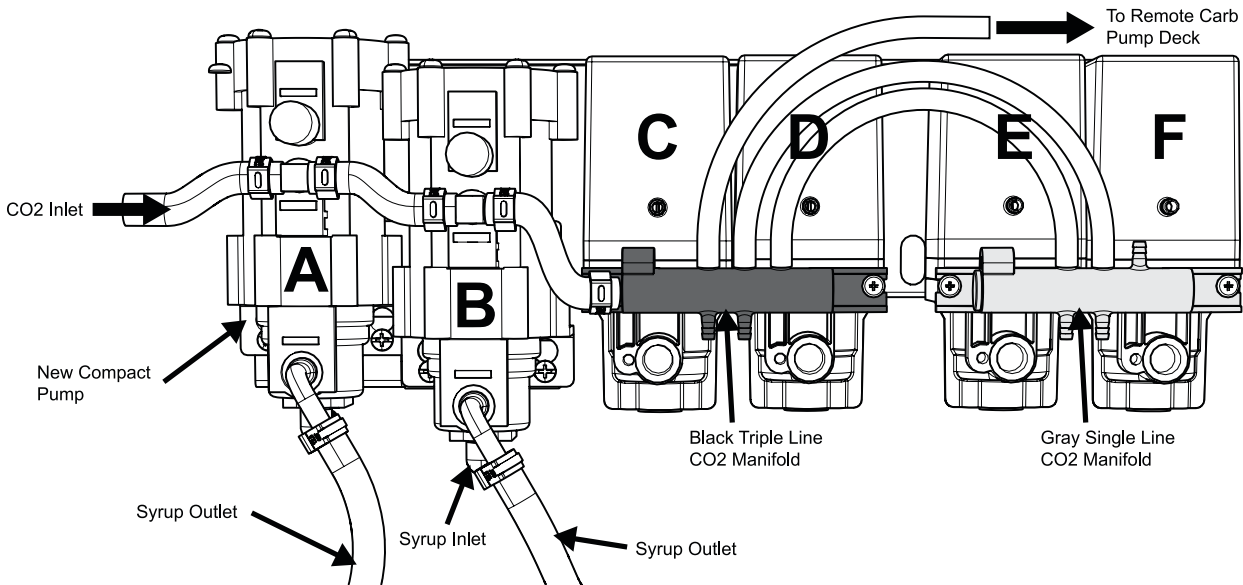


Figure 1

#### NOTE

Due to the configuration of the older Lancer mini pumps and their use of the CO<sub>2</sub> manifolds, in order to replace 1 faulty mini pump, the second corresponding mini pump must be replaced as well. The replacement instructions vary depending on which Lancer mini pump is being replaced. Reference the plumbing diagram and the beginning of each section in the following pages to determine which section of the instructions must be followed in order to replace the appropriate Lancer mini pump.

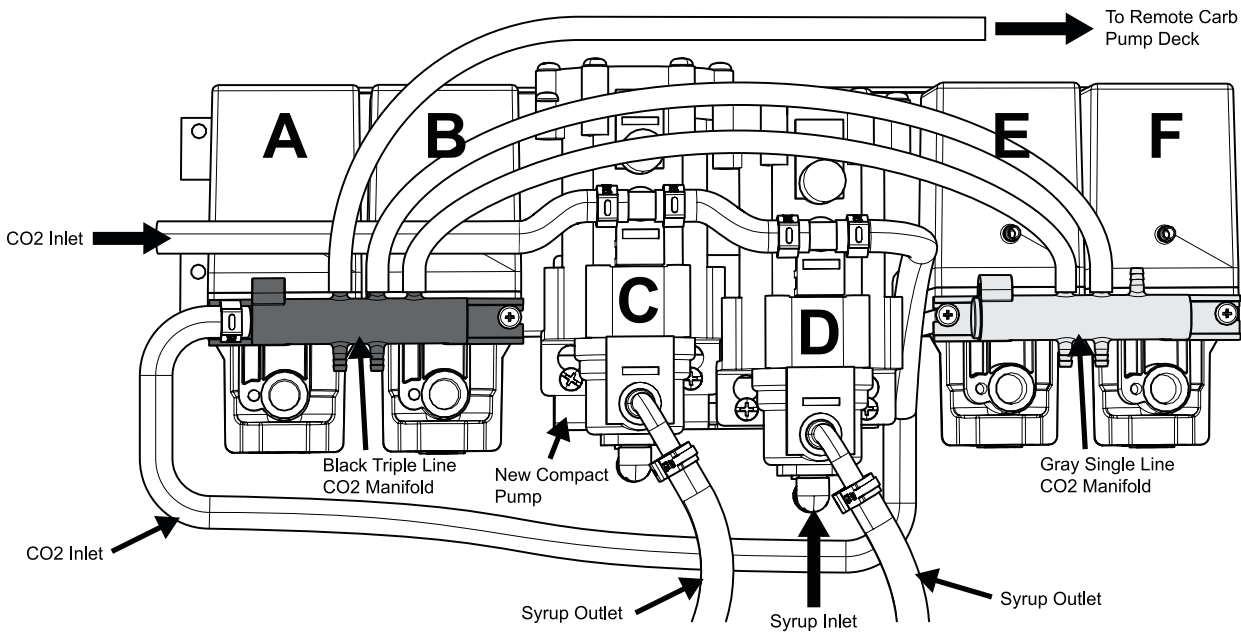
## Replacing Pumps A or B



**Figure 2**

1. Turn off the CO<sub>2</sub> to the unit and existing syrup pumps.
2. Activate each valve to empty the syrup lines.
3. Unplug the unit from the power outlet.
4. Using tubing cutters, cut the syrup line from the existing mini pump inlets on pumps A and B. (See Figure 1 on previous page)
5. Cut the syrup outlet lines on pumps A and B.
6. Disconnect the CO<sub>2</sub> line routed from the black manifold on pumps A and B to the remote carb pump deck by removing the nut connection at the carb pump deck.
7. Cut the CO<sub>2</sub> line connecting the black CO<sub>2</sub> manifold on pumps A and B to the gray CO<sub>2</sub> manifolds on pumps C and D.
8. Cut the CO<sub>2</sub> line connecting the black CO<sub>2</sub> manifold on pumps A and B to the gray CO<sub>2</sub> manifolds on pumps E and F.
9. Remove the gray CO<sub>2</sub> manifold on pumps C and D and discard.
10. Remove the black CO<sub>2</sub> manifold on pumps A and B and re-install onto pumps C and D. (See Figure 2)
11. Route the appropriate tubing from the two open inlets on the black CO<sub>2</sub> manifold (installed to pumps C and D in the previous step) to one open and one closed inlet on the gray CO<sub>2</sub> manifold on pumps E and F.
12. Remove pumps A and B from the mini pump bracket by removing the two screws at the front of each pump.
13. Install the two pump extension bracket (PN: 30-16368) using the screws included with the kit (PN: 04-0477).
14. Install two new Compact pumps to the extension bracket.
15. Connect CO<sub>2</sub> line routed from the CO<sub>2</sub> source to the new pump (A) CO<sub>2</sub> inlet.
16. Route a short CO<sub>2</sub> line connecting the two quick connect inlets for the two new pumps.
17. Route CO<sub>2</sub> line from the CO<sub>2</sub> quick connect inlet on the second pump (B) to the elbow inlet connection on the black CO<sub>2</sub> manifold on pumps C and D.
18. Reconnect the CO<sub>2</sub> line routed from the black CO<sub>2</sub> manifold to the remote carb pump deck.
19. Connect syrup lines routed from the BIB syrup containers to the syrup inlets on pumps A and B.
20. Connect each syrup line routed from the syrup inlets on the unit to the syrup outlets on pumps A and B.
21. Plug in the unit to the grounded electrical outlet.
22. Turn on the CO<sub>2</sub> at the source and listen for any leaks.
23. Activate each valve to assure proper flow of syrup is achieved.

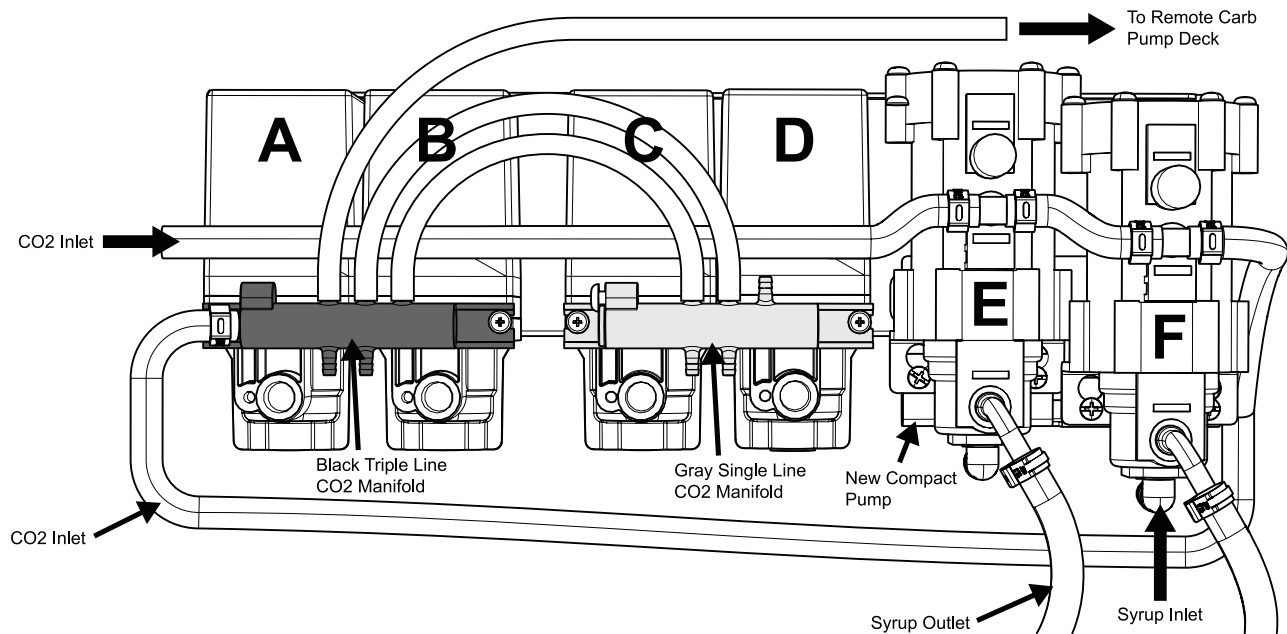
## Replacing Pumps C or D



**Figure 3**

1. Turn off the CO<sub>2</sub> to the unit and existing syrup pumps.
2. Activate each valve to empty the syrup lines.
3. Unplug the unit from the power outlet.
4. Using tubing cutters, cut the syrup line from the existing mini pump inlets on pumps C and D. (See Figure 1 on page 1)
5. Cut the syrup outlet lines on pumps C and D.
6. Cut the CO<sub>2</sub> line connecting the black CO<sub>2</sub> manifold on pumps A and B to the gray CO<sub>2</sub> manifold on pumps C and D.
7. Route the appropriate tubing from the open inlet on the black CO<sub>2</sub> manifold on pumps A and B to one of the closed inlets on the gray CO<sub>2</sub> manifold on pumps E and F. (See Figure 3)
8. Remove the gray CO<sub>2</sub> manifold on pumps C and D and discard.
9. Remove pumps C and D from the mini pump bracket by removing the two screws at the front of each pump.
10. Install the two pump extension bracket (PN: 30-16368) using the screws included with the kit (PN: 04-0477).
11. Install two new Compact pumps to the extension bracket.
12. Connect CO<sub>2</sub> line routed from the CO<sub>2</sub> source to the new pump (C) CO<sub>2</sub> inlet.
13. Route a short CO<sub>2</sub> line connecting the two quick connect inlets for the two new pumps.
14. Route CO<sub>2</sub> line from the CO<sub>2</sub> quick connect inlet on the second pump (D) to the elbow inlet connection on the black CO<sub>2</sub> manifold on pumps A and B.
15. Connect syrup lines routed from the BIB syrup containers to the syrup inlets on pumps C and D.
16. Connect each syrup line routed from the syrup inlets on the unit to the syrup outlets on pumps C and D.
17. Plug in the unit to the grounded electrical outlet.
18. Turn on the CO<sub>2</sub> at the source and listen for any leaks.
19. Activate each valve to assure proper flow of syrup is achieved.

## Replacing Pumps E or F



**Figure 4**

1. Turn off the CO<sub>2</sub> to the unit and existing syrup pumps.
2. Activate each valve to empty the syrup lines.
3. Unplug the unit from the power outlet.
4. Using tubing cutters, cut the syrup line from the existing mini pump inlets on pumps E and F. (See Figure 1 on page 1)
5. Cut the syrup outlet lines on pumps E and F.
6. Cut the CO<sub>2</sub> line connecting the black CO<sub>2</sub> manifold on pumps A and B to the gray CO<sub>2</sub> manifold on pumps E and F.
7. Route the appropriate tubing from the open inlet on the black CO<sub>2</sub> manifold on pumps A and B to one of the closed inlets on the gray CO<sub>2</sub> manifold on pumps C and D. (See Figure 4)
8. Remove the gray CO<sub>2</sub> manifold on pumps E and F and discard.
9. Remove pumps E and F from the mini pump bracket by removing the two screws at the front of each pump.
10. Install the two pump extension bracket (PN: 30-16368) using the screws included with the kit (PN: 04-0477).
11. Install two new Compact pumps to the extension bracket.
12. Connect CO<sub>2</sub> line routed from the CO<sub>2</sub> source to the new pump (C) CO<sub>2</sub> inlet.
13. Route a short CO<sub>2</sub> line connecting the two quick connect inlets for the two new pumps.
14. Route CO<sub>2</sub> line from the CO<sub>2</sub> quick connect inlet on the second pump (F) to the elbow inlet connection on the black CO<sub>2</sub> manifold on pumps A and B.
15. Connect syrup lines routed from the BIB syrup containers to the syrup inlets on pumps E and F.
16. Connect each syrup line routed from the syrup inlets on the unit to the syrup outlets on pumps E and F.
17. Plug in the unit to the grounded electrical outlet.
18. Turn on the CO<sub>2</sub> at the source and listen for any leaks.
19. Activate each valve to assure proper flow of syrup is achieved.

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