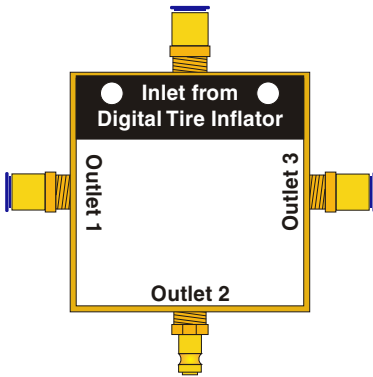


## Transfer Valve Kit



P/N 94.3010

S P E C I F I C A T I O N S

I N S T A L L A T I O N

O P E R A T I O N

*Please read this manual before carrying out any installation.*

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## 1.0 Introduction

### 1.1 This Manual

Congratulations on selecting an Haltec Transfer Valve Kit.

Throughout the manual the following symbols will be used, this information is for your safety and to prevent damage to this product.

 <b>CAUTION</b>	 <b>DANGER</b>
The hazard or unsafe practice <b>could</b> result in possible damage to the product.	The hazard or unsafe practice <b>could</b> result in severe injury or death.


### 1.2 Overview

The Transfer valve kit is for connecting of up to 3 hoses in different locations from a single Digital Tire Inflation unit. Only one transfer valve can be used with a single Digital Tire Inflation unit.

This system is designed for non simultaneous use therefore only one hose can be used at any one time. It is primarily for use in lube shops, service centres, auto dealerships, workshops, and any facility that is maintaining correct Tire pressure. It is generally not suitable for use in a Tire fitting environment.

As the transfer valve requires backpressure from the Tire to operate, this system is not suitable for inflating completely flat Tires. To inflate completely flat Tires, disconnect the coupling adaptor from the Digital Tire Inflation unit, and connect the standard hose kit that was supplied with the Digital Tire Inflation unit. Refer to the instructions provided with the Digital Tire Inflation Unit for inflating completely flat Tires.

As there are many choices of hose type and colour, hoses need to be selected and ordered along with the Transfer valve kit. You will need 3 hoses from the following list (Refer to **2.1 Hose Kits**). Spiral hoses are the more popular choice to use with the transfer valve, and they are available in 4 attractive colours.

 <b>CAUTION</b>
To prevent accident, the hoses should be positioned so the user has full view of the Digital Tire Inflation unit. Read and understand this manual before carrying out any installation.

## 2.0 Parts List

Your Haltec Transfer Valve Kit is supplied with the following parts:

Part No.	Description	Qty
94.3001	3 Way Transfer Valve, 1/4" BSP	1
91.1011	Outlet Manifold, 3 Way 1/4" BSP	2
91.0643	Plug, 1/4" BSP M	2
91.0641	Adapter, 1/4" BSP M	3
91.0298	Coupling, 1/4" BSP F	1
91.1010	Tube Fitting, M10 x 1/4" BSP M	6
62.1010	Tubing, 10mm(OD) x 6.5mm(ID)	33m
22.0000	Hose Coupling Cover	3

## 2.1 Hose Kits

You will need 3 hoses from the following list:

### Spiral Hose Kit

*Supplied with 8m Spiral Hose, a choice of Clip-on Chuck or Twin Chuck (open type) and Standard Coupling. Can be cut to desired length.*



#### With Clip-On Chuck

61.0010 - Blue  
61.0011 - Red  
61.0012 - Yellow  
61.0013 - Black

#### With Twin Chuck

61.0030 - Blue  
61.0031 - Red  
61.0032 - Yellow  
61.0033 - Black

### Standard Hose Kit

*Supplied with 10m Hose, a choice of Clip-on Chuck or Twin Chuck (open type) and Standard Coupling.*



#### With Clip-On Chuck

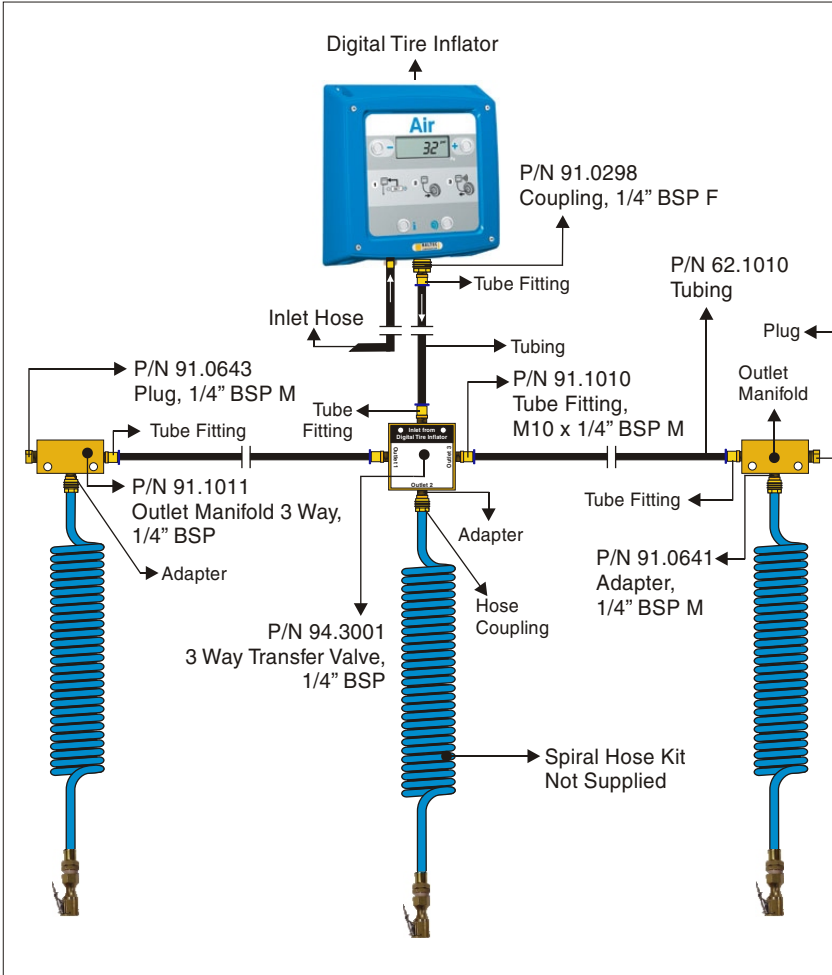
61.0001 - Grey  
61.0002 - Blue  
61.0005 - Green  
61.0006 - Red  
61.0007 - Yellow  
61.0008 - Black

#### With Twin Chuck

61.0021 - Grey  
61.0022 - Blue  
61.0025 - Green  
61.0026 - Red  
61.0027 - Yellow  
61.0028 - Black

### 3.0 Installation

#### 3.1 Diagram



#### 3.2 Instructions

- 1 Locate the Digital Tire Inflation unit where it is visible from all proposed hose positions, and install in accordance with the instructions provided.  
Any 1 hose should not exceed 33m (100ft) in overall length. This is measured from the unit, to the chuck. Theoretically the entire system could employ up to 100m (300ft) of tubing and hoses. For speed and practicality keep the tubing length to a minimum.

### 3.2 Instructions, cont.

- 2 Mount the transfer valve directly above (or below) the intended central hose location with the inlet port at the top. The transfer valve **must be** orientated this way to enable reliable operation.
- 3 Locate the 2 Outlet Manifolds and fit the push-in tube fitting, standard adaptor fitting, and the blanking plug into the 3 threaded holes. These fittings should be orientated to best suit your individual installation. (eg straight through, or 90° opposed). The unused hole is sealed using the blanking plug.
- 4 Mount one Outlet Manifold above the 2nd and 3rd hose locations.
- 5 Fit the coupling adaptor to the outlet adaptor of the Digital Tire Inflation unit.
- 6 Insert the nylon tubing into the coupling adaptor and measure out the tubing to reach the inlet port of the 3 Way transfer valve. This port **must be** orientated to the top of valve. Cut the tubing to the required length and insert firmly into the inlet port tube fitting of the transfer valve.
- 7 Insert the tubing into Outlet 1 and measure out the tubing to reach the Outlet Manifold. Cut the tubing to the required length and insert firmly into the tube fitting.
- 8 Repeat Step 7 for Outlet 3.
- 9 Fit the hose kits by connecting the coupling to the adaptor at each hose location.
- 10 Attach a coupling cover to each hose location. The adaptor and hose coupling must be fully covered by the hose coupling to prevent the hose kit from being accidentally detached.
- 11 With the air and power supply connected to the unit, connect each hose to Tire (only one hose at a time) and check all fittings and connections for leaks.

**CAUTION**

Be sure that these connections are **without** leaks. Even small leakage will adversely affect the operation of the system.

**DANGER**

The Transfer Valve and Outlet Manifolds must be securely fixed to prevent injury from falling objects.

**DANGER**



When used overhead, the Hose Coupling Cover must be attached to each hose location to prevent injury from falling objects.

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## 4.0 Operation

Operating Manual for the Digital Tire Inflator is supplied with the unit.

When the Transfer Valve is connected, the Flat Tire switch

 or  should not be used.

To inflate completely flat Tires, disconnect the coupling adaptor from the Digital Tire Inflation unit, and connect the standard hose kit that was supplied with the Digital Tire Inflation unit.

When any hose is connected to a Tire, the backpressure will fill the valve and seal the unused ports.

As the system is open vented, open type hose chucks must be used.

**CAUTION**

Only one hose should be connected to a Tire at any time.

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**12/2004**