



# AIR BRAKE SERVICE KITS

## PART No. ABFR-KIT-1-PC (TUBE REPAIR KIT-PUSH-TO-CONNECT FITTINGS)

This kit includes a selection of Push-To-Connect fittings and tube to complete many temporary air brake tube repairs in the field or shop. Single sided carry case, with handle.

### Push-To-Connect; Tube Repair Kit Selection:

PART No.	Qty.	PART No.	Qty.
1485-4-CUT	24 In.	PC1468-6C	2 PCS.
1485-6-CUT	24 In.	PC1468-8C	1 PC.
1485-8-CUT	24 In.	PC1469-4A	2 PCS.
PC1462-4	2 PCS.	PC1469-6B	2 PCS.
PC1462-6	2 PCS.	PC1469-8C	1 PC.
PC1462-8	2 PCS.	TK-1	1 PC.
PC1468-4A	2 PCS.	ABFR-BOX-1	1 PC.
PC1468-6B	2 PCS.		

**No Tools  
Required**

**Overall:**  
Height 12 inches  
Width 14-1/2 inches  
Depth 2-3/8 inches



## PART No. ABFR-KIT-HAB (HAB HOSE REPAIR KIT)

Designed for use in the field, this kit includes a selection of items to complete many temporary air brake hose repairs. Single sided carry case, with handle.

### D.O.T. Air Brake Hose Repair Kit Selection:

PART No.	Qty.	PART No.	Qty.
HAB-6-CUT	16 In.	1492SW-8	1 PC.
HAB-8-CUT	16 In.	4134-6B	2 PCS.
110-CB	2 PCS.	4134-6C	2 PCS.
110-DC	2 PCS.	4134-8C-WH	2 PCS.
121-M8	1 PCS.	4134-8D-WH	2 PCS.
1492-6S	1 PCS.	TK-1	1 PC.
1492-8S	1 PCS.	ABFR-BOX-1	1 PC.
1492SW-6	1 PCS.		

**Overall:**  
Height 12 inches  
Width 14-1/2 inches  
Depth 2-3/8 inches



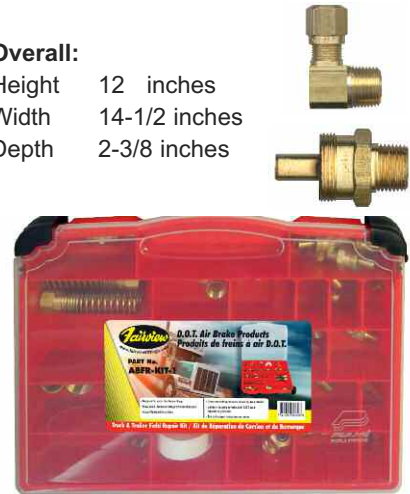
## PART No. ABFR-KIT-1 (SERVICE KIT - SELECTION 1)

Designed for use in the field or shop, this kit includes a selection of items to complete many general repairs. Single sided carry case, with handle.

### D.O.T. Air Brake Fittings; Service Kit Selection:

PART No.	Description	Qty.	PART No.	Description	Qty.
121-M8	SEALANT	1 PC.	1468-6B	CONNECTOR	2 PCS.
1460-4	SLEEVE	5 PCS.	1468-8C	CONNECTOR	1 PC.
1460-6	SLEEVE	5 PCS.	1469-4B	ELBOW	2 PCS.
1460-8	SLEEVE	5 PCS.	1469-6B	ELBOW	2 PCS.
1461-4	NUT	2 PCS.	1481-4	INSERT	5 PCS.
1461-6	NUT	2 PCS.	1481-6	INSERT	5 PCS.
1461-8	NUT	2 PCS.	1490-6	SLEEVE	6 PCS.
1462-4	UNION	2 PCS.	1491-6	NUT	4 PCS.
1462-6	UNION	2 PCS.	1494-6	NUT, SPRING, GUARD	2 PCS.
1462-8	UNION	1 PC.	B1492-6C	HOSE END BODY	4 PCS.
1468-4A	CONNECTOR	2 PCS.	1495B-C	TERMINAL BOLT	1 PC.
1468-4B	CONNECTOR	2 PCS.	B1492-6S	HOSE SPLICER BODY	1 PC.

**Overall:**  
Height 12 inches  
Width 14-1/2 inches  
Depth 2-3/8 inches



## PART No. ABFR-KIT-2 (SERVICE KIT - SELECTION 2)

Designed for use in the field or shop, this kit includes a large selection of items to complete most general repairs in a Double sided carry case, with handle.

### D.O.T. Air Brake & Pipe; Service Kit Selection:

PART No.	Qty.	PART No.	Qty.	PART No.	Qty.	PART No.	Qty.
103-A	2 PCS.	122-B	3 PCS.	1462-4	2 PCS.	1469-6B	2 PCS.
103-B	2 PCS.	122-C	2 PCS.	1462-6	2 PCS.	1469-6C	2 PCS.
103-C	2 PCS.	122-D	2 PCS.	1462-8	2 PCS.	1469-8C	2 PCS.
103-D	1 PC.	1460-4	3 PCS.	1462-10	1 PC.	1481-4	3 PCS.
110-BA	3 PCS.	1460-6	3 PCS.	1468-4A	2 PCS.	1481-6	3 PCS.
110-CB	2 PCS.	1460-8	3 PCS.	1468-4B	2 PCS.	1481-8	3 PCS.
110-DC	2 PCS.	1460-10	2 PCS.	1468-6B	2 PCS.	1481-10	3 PCS.
121-B	3 PCS.	1461-4	3 PCS.	1468-6C	2 PCS.	X115-B	2 PCS.
121-C	2 PCS.	1461-6	3 PCS.	1468-8C	2 PCS.	X115-C	2 PCS.
121-D	2 PCS.	1461-8	3 PCS.	1469-4A	2 PCS.	ABFR-BOX-2	1 PC.
121-M8	2 PCS.	1461-10	2 PCS.	1469-4B	2 PCS.		

**Overall:**  
Height 9-3/4 inches  
Width 14 inches  
Depth 4 inches



# BRASS D.O.T. AIR BRAKE FITTINGS

(COMPLETE WITH FIXED INSERTS, FOR D.O.T. AIR BRAKE TUBE: PAGE 34)



## INSERT

PART No.	For Tube I.D.
1481-2	.078
1481-4	.170
1481-5	.232
1481-6	.250
1481-8	.375
1481-10	.440
1481-12	.566



## SLEEVE

PART No.	Tube
1460-4	1/4
1460-6	3/8
1460-8	1/2
1460-10	5/8
1460-12	3/4



## NUT

PART No.	Tube
1461-4	1/4
1461-6	3/8
1461-8	1/2
1461-10	5/8
1461-12	3/4



## UNION COUPLING

PART No.	Tube
1462-4	1/4
1462-6	3/8
1462-8	1/2
1462-10	5/8
1462-12	3/4



## CONNECTOR Tube To Female Pipe

PART No.	Tube	Pipe
1466-4A	1/4	1/8
1466-4B	1/4	1/4
1466-4C	1/4	3/8
1466-6A	3/8	1/8
1466-6B	3/8	1/4
1466-6C	3/8	3/8
1466-8C	1/2	3/8
1466-8D	1/2	1/2
1466-10C	5/8	3/8
1466-10D	5/8	1/2
1466-12D	3/4	1/2
1466-12E	3/4	3/4



## CONNECTOR Tube To Male Pipe

PART No.	Tube	Pipe
1468-4A	1/4	1/8
1468-4B	1/4	1/4
1468-4C	1/4	3/8
1468-4D	1/4	1/2
1468-6A	3/8	1/8
1468-6B	3/8	1/4
1468-6C	3/8	3/8
1468-6D	3/8	1/2
1468-8B	1/2	1/4
1468-8C	1/2	3/8
1468-8D	1/2	1/2
1468-8E	1/2	3/4
1468-10C	5/8	3/8
1468-10D	5/8	1/2
1468-10E	5/8	3/4
1468-12D	3/4	1/2
1468-12E	3/4	3/4



## 45° ELBOW Tube To Male Pipe

PART No.	Tube	Pipe
1474-4A	1/4	1/8
1474-4B	1/4	1/4
1474-6B	3/8	1/4
1474-6C	3/8	3/8
1474-6D	3/8	1/2
1474-8B	1/2	1/4
1474-8C	1/2	3/8
1474-8D	1/2	1/2
1474-10D	5/8	1/2



## 90° ELBOW Tube To Tube

PART No.	Tube
1465-4	1/4
1465-6	3/8
1465-8	1/2
1465-10	5/8
1465-12	3/4



## 90° ELBOW Tube To Male Pipe

PART No.	Tube	Pipe
1469-4A	1/4	1/8
1469-4B	1/4	1/4
1469-4C	1/4	3/8
1469-4D	1/4	1/2
1469-6A	3/8	1/8
1469-6B	3/8	1/4
1469-6C	3/8	3/8
1469-6D	3/8	1/2
1469-8B	1/2	1/4
1469-8C	1/2	3/8
1469-8D	1/2	1/2
1469-10C	5/8	3/8
1469-10D	5/8	1/2
1469-10E	5/8	3/4
1469-12D	3/4	1/2
1469-12E	3/4	3/4



## 90° ELBOW Tube To Female Pipe

PART No.	Tube	Pipe
1470-4A	1/4	1/8
1470-4B	1/4	1/4
1470-6A	3/8	1/8
1470-6B	3/8	1/4
1470-6C	3/8	3/8
1470-8C	1/2	3/8
1470-8D	1/2	1/2
1470-10D	5/8	1/2
1470-12D	3/4	1/2



## TEE Tube Three Ends

PART No.	Tube
1464-4	1/4
1464-6	3/8
1464-8	1/2
1464-10	5/8
1464-12	3/4

Reducing

	1	2	3
1464R-64	3/8	3/8	1/4
1464R-86	1/2	1/2	3/8



## TEE Ends Tube To Male Pipe Center Tube

PART No.	Tube	Pipe
1471-4A	1/4	1/8
1471-4B	1/4	1/4
1471-6B	3/8	1/4
1471-6C	3/8	3/8
1471-8C	1/2	3/8
1471-8D	1/2	1/2
1471-10D	5/8	1/2
1471-12D	3/4	1/2



## TEE Ends Tube Center Male Pipe

PART No.	Tube	Pipe
1472-4A	1/4	1/8
1472-4B	1/4	1/4
1472-6A	3/8	1/8
1472-6B	3/8	1/4
1472-6C	3/8	3/8
1472-8B	1/2	1/4
1472-8C	1/2	3/8
1472-8D	1/2	1/2
1472-10D	5/8	1/2
1472-12D	3/4	1/2
1472-12E	3/4	3/4



## TEE Female To Male Pipe Center Tube

PART No.	Tube	Pipe
1476-4A	1/4	1/8
1476-6B	3/8	1/4



## BULKHEAD UNION (With Lock Washer)

PART No.	Tube
1477-4	1/4
1477-6	3/8
1477-8	1/2
1477-10	5/8

D

# BRASS PUSH-TO-CONNECT D.O.T. AIR BRAKE FITTINGS



(FOR D.O.T. AIR BRAKE TUBE: PAGE 34)

D.O.T. RECOGNIZED FOR ALL AIR BRAKE APPLICATIONS EXCEPT THOSE FOR USE BETWEEN FRAME AND AXLE OR BETWEEN TOWED AND TOWING VEHICLES.



**UNION  
COUPLING**

PART No.	Tube
PC1462-5/32	5/32
PC1462-4	1/4
PC1462-6	3/8
PC1462-8	1/2
PC1462-10	5/8
PC1462-12	3/4



**CONNECTOR  
Tube  
To  
Female Pipe**

PART No.	Tube	Pipe
PC1466-4A	1/4	1/8
PC1466-4B	1/4	1/4
PC1466-6B	3/8	1/4
PC1466-6C	3/8	3/8
PC1466-8C	1/2	3/8
PC1466-8D	1/2	1/2



**CONNECTOR  
Tube To  
Male Pipe**

PART No.	Tube	Pipe
PC1468-3A	3/16	1/8
PC1468-3B	3/16	1/4
PC1468-5/32X1	5/32	1/16
PC1468-5/32A	5/32	1/8
PC1468-4A	1/4	1/8
PC1468-4B	1/4	1/4
PC1468-4C	1/4	3/8
PC1468-6A	3/8	1/8
PC1468-6B	3/8	1/4
PC1468L-6B	3/8	Long 1/4
PC1468-6C	3/8	3/8
PC1468-6D	3/8	1/2
PC1468-8B	1/2	1/4
PC1468-8C	1/2	3/8
PC1468-8D	1/2	1/2
PC1468-10C	5/8	3/8
PC1468-10D	5/8	1/2
PC1468-12D	3/4	1/2
PC1468-12E	3/4	3/4



**BULKHEAD  
UNION**

PART No.	Tube
PC1477-4	1/4
PC1477-6	3/8
PC1477-8	1/2
PC1477-10	5/8



**BULKHEAD  
UNION  
Tube To  
Female Pipe**

PART No.	Tube	Pipe
PC1486-4B	1/4	1/4
PC1486-6C	3/8	3/8
PC1486-8C	1/2	3/8



**BULKHEAD  
UNION  
Tube To  
Male Pipe**

PART No.	Tube	Pipe
PC1483-6D	3/8	1/2
PC1483-8D	1/2	1/2



**90° ELBOW  
Tube To  
Tube**

PART No.	Tube
PC1465-4	1/4
PC1465-6	3/8
PC1465-8	1/2



**90° ELBOW  
Tube To  
Female Pipe**

PART No.	Tube	Pipe
PC1470-4A	1/4	1/8
PC1470-4B	1/4	1/4
PC1470-6B	3/8	1/4
PC1470-6C	3/8	3/8
PC1470-8D	1/2	1/2



**90° ELBOW  
Tube  
To  
Male Pipe**

PART No.	Tube	Pipe
PC1469-3A	3/16	1/8
PC1469-5/32A	5/32	1/8
PC1469-4A	1/4	1/8
PC1469-4B	1/4	1/4
PC1469-4C	1/4	3/8
PC1469-6A	3/8	1/8
PC1469-6B	3/8	1/4
PC1469-6C	3/8	3/8
PC1469-6D	3/8	1/2
PC1469-8B	1/2	1/4
PC1469-8C	1/2	3/8
PC1469-8D	1/2	1/2
PC1469-10C	5/8	3/8
PC1469-10D	5/8	1/2
PC1469-12D	3/4	1/2
PC1469-12E	3/4	3/4



**90° ELBOW  
Tube To  
Male Pipe  
Swivel**

PART No.	Tube	Pipe
PC1469SW-4A	1/4	1/8
PC1469SW-4B	1/4	1/4
PC1469SW-4C	1/4	3/8
PC1469SW-6A	3/8	1/8
PC1469SW-6B	3/8	1/4
PC1469SW-6C	3/8	3/8
PC1469SW-6D	3/8	1/2
PC1469SW-8B	1/2	1/4
PC1469SW-8C	1/2	3/8
PC1469SW-8D	1/2	1/2
PC1469SW-10C	5/8	3/8
PC1469SW-10D	5/8	1/2
PC1469SW-12D	3/4	1/2
PC1469SW-12E	3/4	3/4



**45° ELBOW  
Tube  
To  
Male Pipe**

PART No.	Tube	Pipe
PC1474-4A	1/4	1/8
PC1474-4B	1/4	1/4
PC1474-6A	3/8	1/8
PC1474-6B	3/8	1/4
PC1474-6C	3/8	3/8
PC1474-8B	1/2	1/4
PC1474-8C	1/2	3/8
PC1474-8D	1/2	1/2
PC1474-10D	5/8	1/2
PC1474-12D	3/4	1/2
PC1474-12E	3/4	3/4



**45° ELBOW  
Tube To  
Male Pipe  
Swivel**

PART No.	Tube	Pipe
PC1474SW-4A	1/4	1/8
PC1474SW-4B	1/4	1/4
PC1474SW-6A	3/8	1/8
PC1474SW-6B	3/8	1/4
PC1474SW-6C	3/8	3/8
PC1474SW-6D	3/8	1/2
PC1474SW-8B	1/2	1/4
PC1474SW-8C	1/2	3/8
PC1474SW-8D	1/2	1/2
PC1474SW-10C	5/8	3/8
PC1474SW-10D	5/8	1/2
PC1474SW-12E	3/4	3/4



**UNION TEE  
Tube Each  
End**

PART No.	Tube
PC1464-4	1/4
PC1464-6	3/8
PC1464R-64	3/8 TO 1/4
PC1464-8	1/2
PC1464-10	5/8
PC1464-12	3/4



# BRASS PUSH-TO-CONNECT D.O.T. AIR BRAKE FITTINGS (FOR D.O.T. AIR BRAKE TUBE 1485)

D.O.T. RECOGNIZED FOR ALL AIR BRAKE APPLICATIONS EXCEPT THOSE FOR USE BETWEEN FRAME AND AXLE OR BETWEEN TOWED AND TOWING VEHICLES.



**TEE  
Ends Tube  
and  
Male Pipe  
Center Tube**

PART No.	Tube	Pipe
PC1471-4A	1/4	1/8
PC1471-4B	1/4	1/4
PC1471-6B	3/8	1/4
PC1471-6C	3/8	3/8
PC1471-8C	1/2	3/8



**TEE  
Ends Tube  
Center  
Male Pipe**

PART No.	Tube	Pipe
PC1472-4A	1/4	1/8
PC1472-4B	1/4	1/4
PC1472-6A	3/8	1/8
PC1472-6B	3/8	1/4
PC1472-6C	3/8	3/8
PC1472-8B	1/2	1/4
PC1472-8C	1/2	3/8



**TEE  
Ends Tube  
Center  
Female Pipe**

PART No.	Tube	Pipe
PC1478-4A	1/4	1/8
PC1478-4B	1/4	1/4
PC1478-6B	3/8	1/4



**TEE  
Ends Tube  
Center Female  
Pipe Swivel**

PART No.	Tube	Pipe
PC1478SW-4A	1/4	1/8
PC1478SW-6B	3/8	1/4



**TEE  
Ends Tube  
and Male Pipe  
Swivel  
Center Tube**

PART No.	Tube	Pipe
PC1471SW-4A	1/4	1/8
PC1471SW-4B	1/4	1/4
PC1471SW-6B	3/8	1/4
PC1471SW-6C	3/8	3/8
PC1471SW-8C	1/2	3/8
PC1471SW-8D	1/2	1/2



**TEE  
Ends Tube  
Center Male  
Pipe Swivel**

PART No.	Tube	Pipe
PC1472SW-4A	1/4	1/8
PC1472SW-4B	1/4	1/4
PC1472SW-6B	3/8	1/4
PC1472SW-6C	3/8	3/8
PC1472SW-8B	1/2	1/4
PC1472SW-8C	1/2	3/8
PC1472SW-8D	1/2	1/2



**TUBE  
INSERT**

PART No.	Tube
PC1400-4	1/4
PC1400-6	3/8
PC1400-8	1/2

## BRASS PUSH-TO-CONNECT FITTINGS ASSEMBLY INSTRUCTIONS

PUSH-TO-CONNECT FITTINGS FEATURE A LABOR SAVING FULL FLOW DESIGN THAT REQUIRES NO TOOLS.

Temperature Range -40°F to 225°F (-40°C to 107°C)



**TO CONNECT TUBE:**

Cut tube as squarely as possible. Insert tube end into fitting, slide the I.D. of the tube over the tube support until friction is felt as tube slides past the O-ring. Using a slight twisting motion while inserting the tube is often helpful. After this initial friction is felt, continue to push in the tube until it bottoms firmly against the internal tube support.



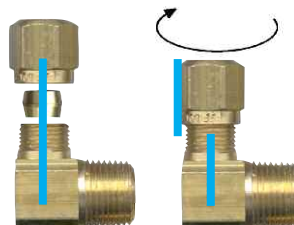
**TO DISCONNECT TUBE:**

With thumb and forefinger, hold down the top of the insert against the fitting body and then, with the other hand, pull out the tube. No tools are needed.

## BRASS D.O.T. AIR BRAKE FITTINGS ASSEMBLY INSTRUCTIONS

**USE WITH 1485 TUBE**

1. Cut tube squarely.
2. Slide nut and then sleeve onto tube.
3. Insert tube fitting until it bottoms on seat.
4. Hand tighten and mark body.
5. Full clockwise wrench turns as per chart.



Tube Size	Additional Full Turns from Hand Tight.
1/4"	3
3/8", 1/2", and 5/8"	4
3/4"	3-1/2