

PREVOST

ENREGISTRÉ - REGISTERED
ISO 9001 & ISO 14001


**WARRANTY
 BULLETIN**

Wb04-01



DATE : AUGUST 2004	SECTION :	12 - Brakes
EXPIRATION: AUGUST 2006		
SUBJECT: REPLACEMENT OF HALDEX AIR DRYER		

APPLICATION

Model	VIN
H3 Vehicles Model Year : 2002 - 2003	 <p>2PCH3349021014329, and from 2PCH3349221014350 up to 2PCV3349431014581 incl., and also 2PCH3349531014697</p> <p>EXCEPT</p> <p>2PCV3349831014499, 2PCH3349431014500, 2PCV3349231014501, 2PCH3349831014502, 2PCH3349631014580</p>
XL2 Vehicles Model Year : 2002 - 2003	<p>2PCW3340821027743, and from 2PCY3349621027800 up to 2PCX3349131027992 incl.</p>



DESCRIPTION

On the above-mentioned vehicles, it is necessary to allow the Tu-Flo 750 compressor to unload in order to prevent failure of inlet or discharge valves. This can be accomplished by replacing the Haldex air dryer by an Haldex air dryer equipped with a governor and a heating element and also by adding a hose between the air dryer and the compressor.

Order the necessary material according to type of vehicle.

MATERIAL FOR H3 VEHICLES



Kit #141948 includes the following parts:

Part No.	Description	Qty
064949	Cable, Between service compartment and air dryer	1
141951	Hose #4, 5100 mm long	1
501026	Connector, Male 45° FL for ¼ tube X 1/8 NPT 	1
501037	Elbow 90°, 45° FL for ¼ tube X 1/8 NPT 	1
504637	Ties, Nylon Locking 368 mm	10
562602	Fuse ATO 7.5A brown	1
642001	Dryer, Air	1

Note: Material can be obtained through regular channels.

MATERIAL FOR XL2 VEHICLES (X5 & W5)



Kit #141949 includes the following parts:

Part No.	Description	Qty
064946	Cable, Between service compartment and air dryer	1
141952	Hose #4, 5500 mm long	1
501026	Connector, Male 45° FL for ¼ tube X 1/8 NPT 	1
501037	Elbow 90°, 45° FL for ¼ tube X 1/8 NPT 	1
504637	Ties, Nylon Locking 368 mm	10
562602	Fuse ATO 7.5A brown	1
642001	Dryer, Air	1

Note: Material can be obtained through regular channels.

MATERIAL FOR XL2 VEHICLES (W0 & WE)

Kit #141950 includes the following parts:

Part No.	Description	Qty
064946	Cable, Between service compartment and air dryer	1
141951	Hose #4, 5100 mm long	1
501026	Connector, Male 45° FL for ¼ tube X 1/8 NPT 	1
501037	Elbow 90°, 45° FL for ¼ tube X 1/8 NPT 	1
504637	Ties, Nylon Locking 368 mm	10
562602	Fuse ATO 7.5A brown	1
642001	Dryer, Air	1

Note: Material can be obtained through regular channels.

PROCEDURE FOR H3 VEHICLES

Warning: Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle. Prior to working under an air-suspended vehicle, it is strongly recommended to securely support the body at the recommended jacking points.

Warning: Ensure to safely support the vehicle by its jacking points during repair. Only the recommended jacking points must be used as outlined in Section 18 of Maintenance Manual: "Body" under heading "Vehicle jacking points" or in Operator's Manual.

Note: Make sure that compressor air intake is connected to the engine intake manifold (turbocharged) and not to the engine air intake pipe. If the compressor air intake is connected to the engine air intake pipe, you must remove the connector from the air intake pipe and fix it underneath the engine intake manifold.

1. Empty the rear air tanks.
2. Unfasten the air dryer hose connectors.
3. Unfasten the air dryer fixing bolts then remove the air dryer.
4. Install the air dryer onto a work bench in order to remove the connectors.
5. Clean out the connectors, apply some pipe sealant onto the threads then reinstall onto the air dryer.

Important Note: We recommend replacing the male connector (501600) in addition to the two push-in tube connectors (641374 and 641331) in order to prevent future defects (Refer to figure 1).

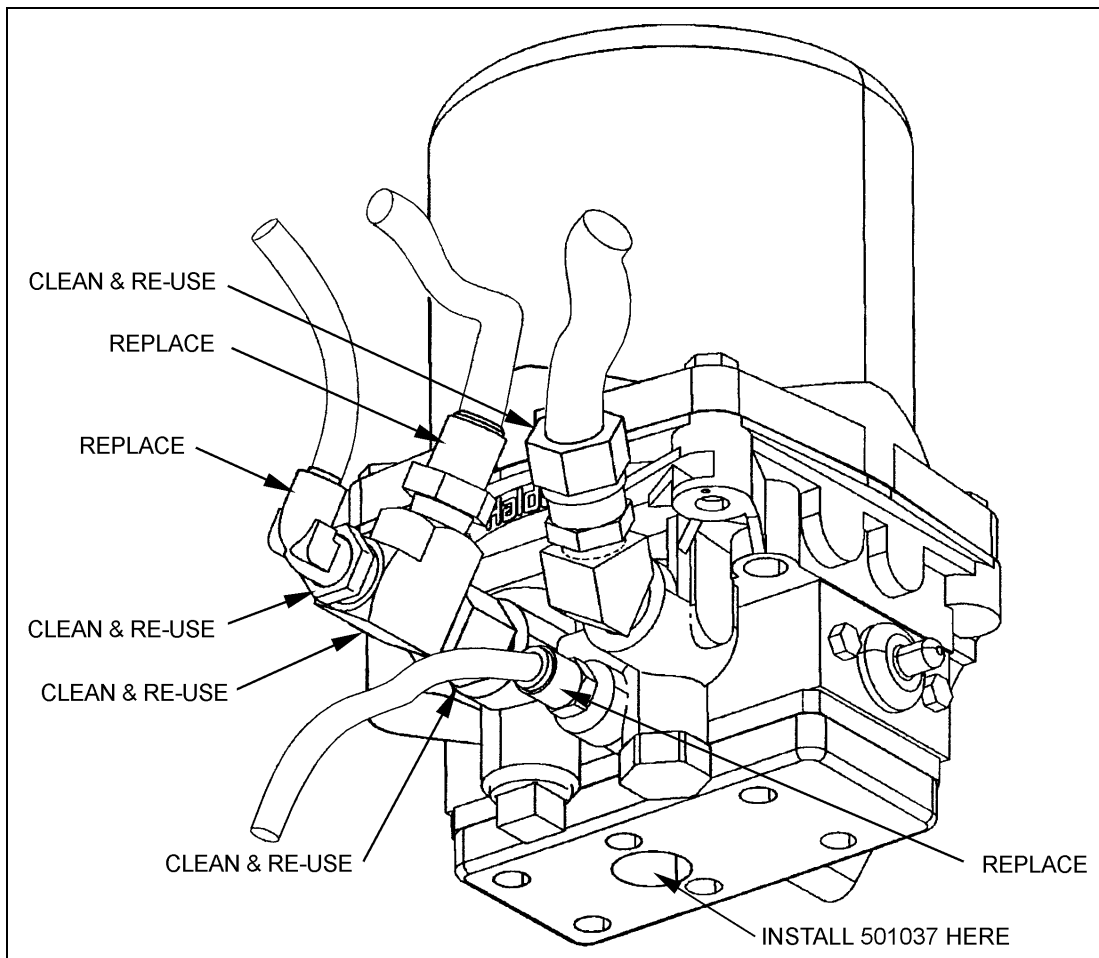


FIGURE 1

6. Apply some pipe sealant onto the threads of the 90° elbow (501037) then fasten elbow onto air dryer (Refer to figure 1).
7. Reinstall new air dryer in its proper location on the vehicle. Reconnect the various hoses to the air dryer as well as the new hose (141951) to the 90° elbow (501037). Connect C402 connector of cable assembly (064949) with the air dryer connector.
8. Route the hose (141951) and the cable assembly (064949) towards the compressor via the compressor discharge hose. Secure the hose and cable using locking ties (564637).

Note: *If cable assembly between Haldex air dryer (C402) and C115 connector is already installed, we recommend removing it and replacing with new cable assembly (064949).*

9. Remove plug from governor mounting pad of the compressor, apply some pipe sealant onto the threads of the connector (501026) then fasten the connector in the center of the governor mounting pad. Connect hose (141951) to the connector.
10. Route the cable assembly (064949) through the grommet into the rear electrical compartment and connect two parts (A & B) of connector C115.
11. Connect one end of wire 24IA to terminal "F" and the other end to connector C530. Also connect wire 50 to connector C530.
12. Connect OK ground wire to terminal.
13. Install brown 7.5A ATO fuse in its proper location in the fuse box.

Note: *For more information on electrical wiring, refer to diagrams on pages 5, 6, 7 and 8.*

WARRANTY

This modification is covered by Prévost Car's normal warranty. We will reimburse you the parts and two hour (2.0) of labor upon receipt of the air dryer and a completed A.F.A. form on which you must specify as per "Warranty Bulletin 04-01".

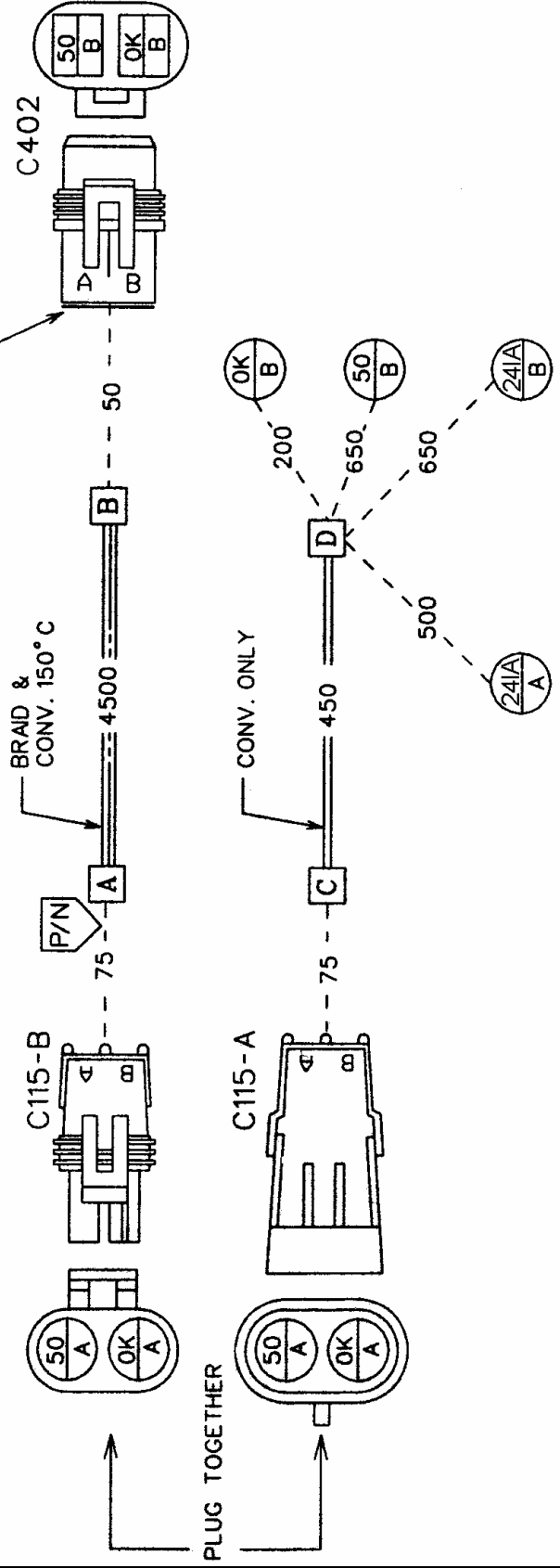
Parts / Waste disposal:

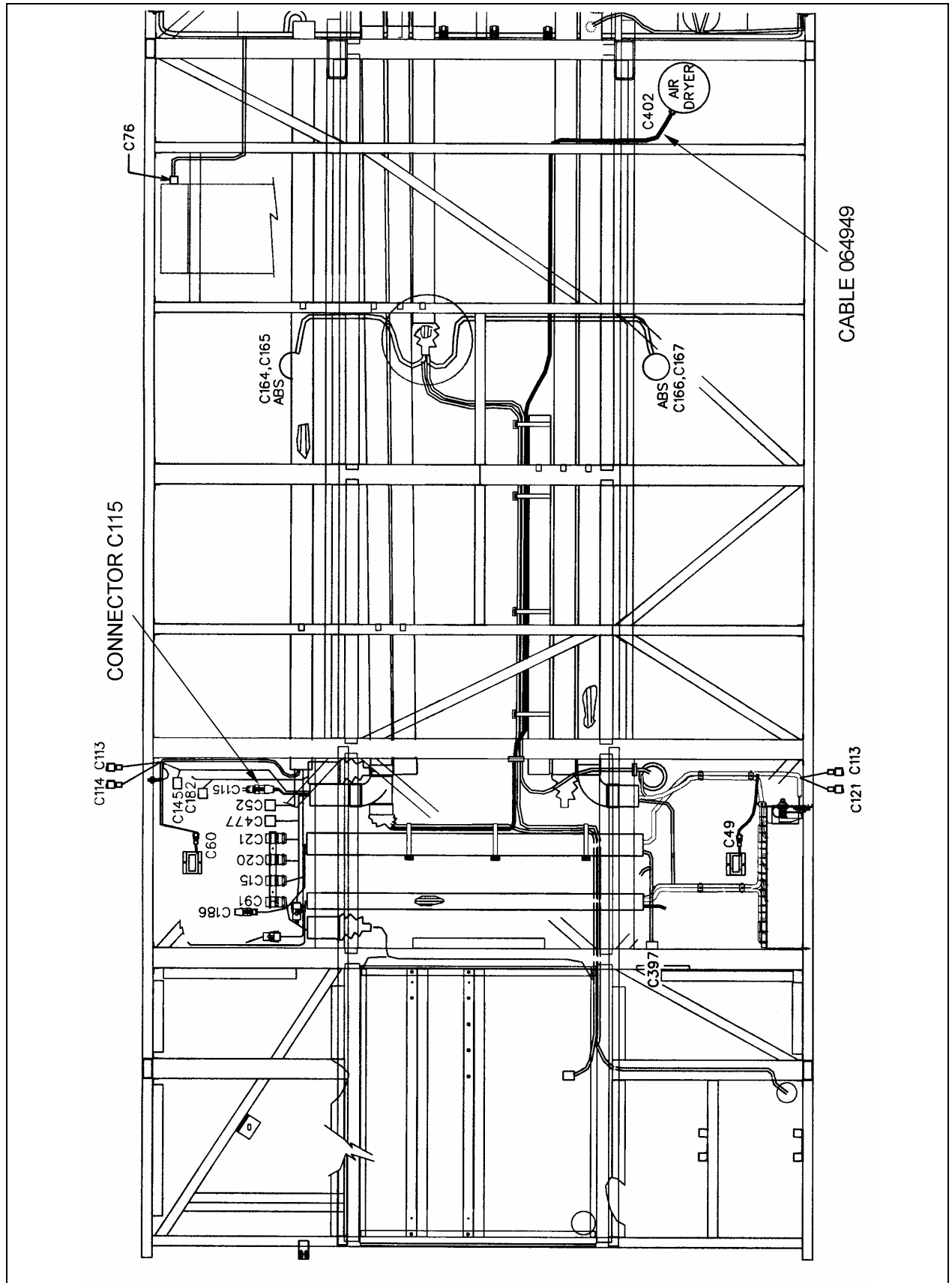
Return replaced parts to Prévost Car with A.F.A. for full reimbursement.
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WIRING HARNESS DESCRIPTION

CIRCUIT NO	WIRE NO	A-END		B-END		REMARK
		JUNCTION POS.	POS.	JUNCTION POS.	POS.	
OK	560673	C115-B	A	C402	B	
OK	560672	C115-A	C	560586	D	
50	560669	C115-B	A	C402	B	
50	560668	C115-A	C	560998	D	
241A	560668	561700	D	560998	D	

SEC. LOCK
562287



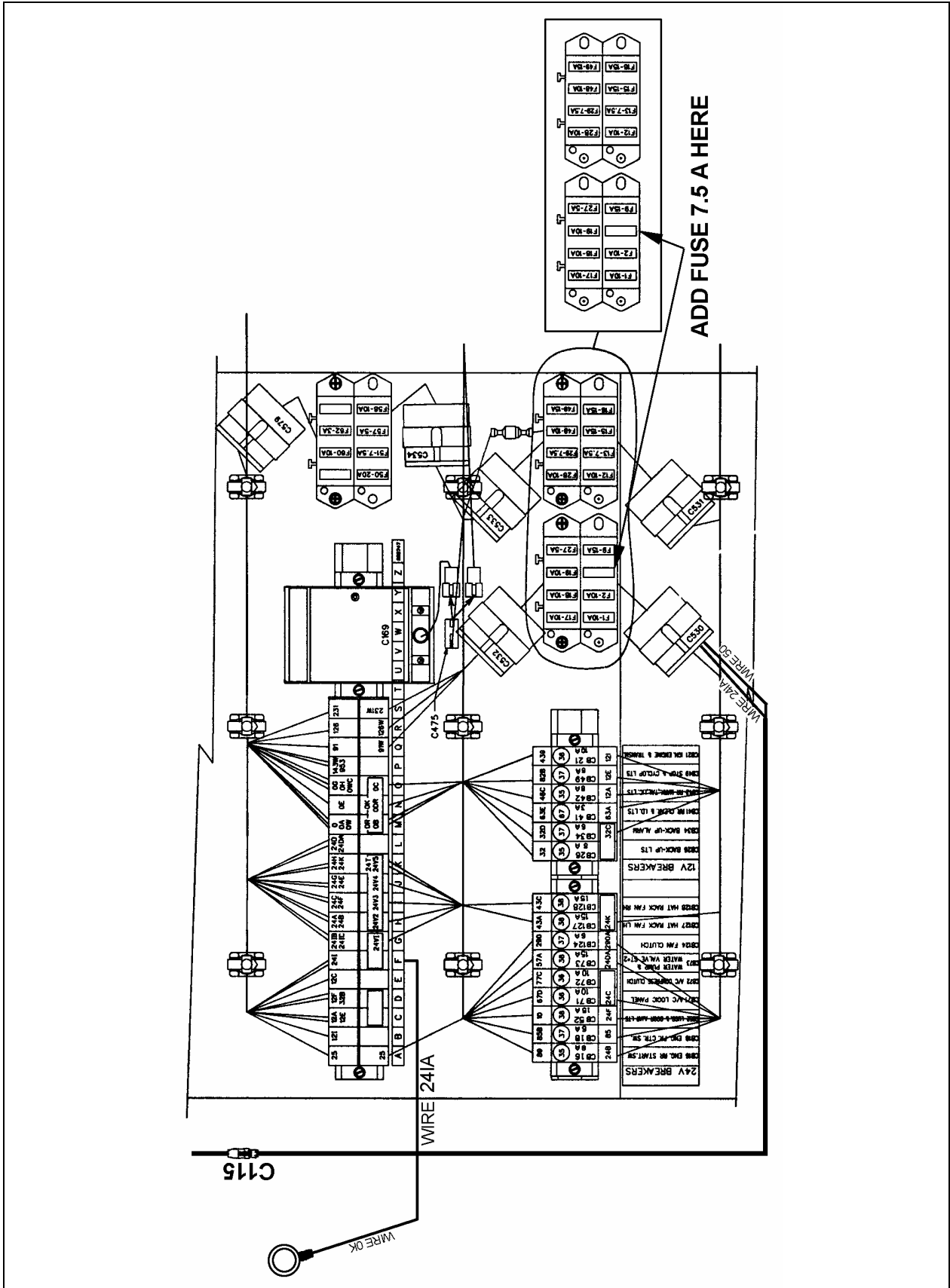


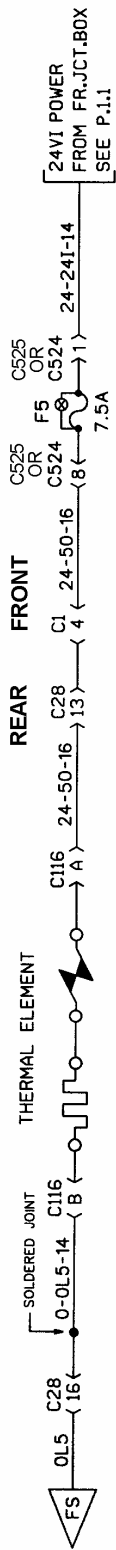
CABLE 064949

CONNECTOR C115

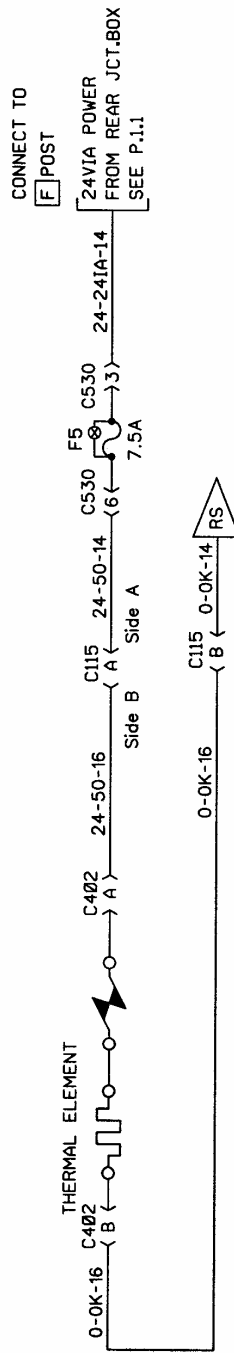
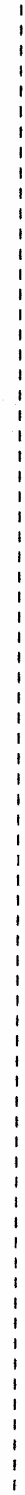
C114 C113

C121 C113





XL2 = ADD WIRE 24I, ADD C116, MAKE A SOLDERED JOINT WITH OL5
 PLUG 50 TO C28, PLUG C116 TO AIR DRYER & ADD F5 IN FUSE HOLDER



H3 = USE 064949 WIRING HARNESS

AIR DRYER RETROFIT & INSTALLATION

PREVOST	WIRING DIAGRAM	NO: H3 & XL2	PAGE: 8.1	REVISION SAV

PROCEDURE FOR XL2 VEHICLES

Warning: Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle. Prior to working under an air-suspended vehicle, it is strongly recommended to securely support the body at the recommended jacking points.

Warning: Ensure to safely support the vehicle by its jacking points during repair. Only the recommended jacking points must be used as outlined in Section 18 of Maintenance Manual: "Body" under heading "Vehicle jacking points" or in Operator's Manual.

Note: Make sure that compressor air intake is connected to the engine intake manifold (turbocharged) and not to the engine air intake pipe. If the compressor air intake is connected to the engine air intake pipe, you must remove the connector from the air intake pipe and fix it underneath the engine intake manifold.

1. Empty the rear air tanks.
2. Unfasten the air dryer hose connectors.
3. Unfasten the air dryer fixing bolts then remove the air dryer.
4. Install the air dryer onto a work bench in order to remove the connectors.
5. Clean out the connectors, apply some pipe sealant onto the threads then reinstall onto the air dryer.

Important Note: We recommend replacing the male connector (501600) in addition to the two push-in tube connectors (641374 and 641331) in order to prevent future defects (Refer to figure 1).

6. Apply some pipe sealant onto the threads of the 90° elbow (501037) then fasten elbow onto air dryer (Refer to figure 1).
7. Reinstall new air dryer in its proper location on the vehicle. Reconnect the various hoses to the air dryer as well as the new hose (141951 or 141952) to the 90° elbow (501037). Connect C116 connector of cable assembly (064946) with the air dryer connector.
8. Route the hose (141951 or 141952) towards the compressor via the compressor discharge hose. Secure the hose using locking ties.
9. Remove plug from governor mounting pad of the compressor, apply some pipe sealant onto the threads of the connector (501026) then fasten the connector in the center of the governor mounting pad. Connect hose (141951 or 141952) to the connector.
10. Route cable assembly (064946) towards rear baggage compartment C28 connector. Separate C28 connector housing then make a solder joint between wire 0L5 of connector and wire 0L5 of cable assembly. Insert wire 50 into connector C28 (refer to page 12).
11. In the front service compartment, connect wire 24i with existing 24i terminal then insert into C524 or C525 connector circuit cavity 1. Route wire 50 between C524 or C525 circuit cavity 8 and C1 connector circuit cavity 4.
12. Install brown 7.5A ATO fuse in its proper location in the fuse box.

Note: For more information on electrical wiring, refer to diagrams at the end of bulletin.

WARRANTY

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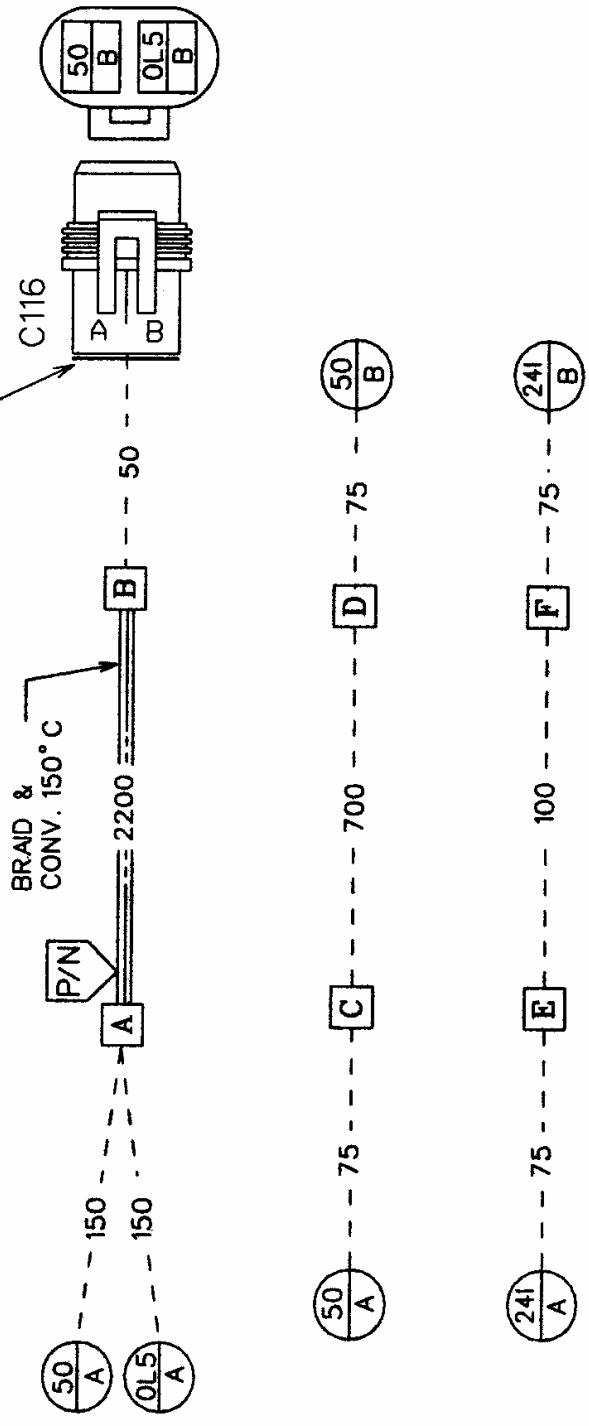
Parts / Waste disposal:

Return replaced parts to Prévost Car with A.F.A. for full reimbursement.

WIRING HARNESS DESCRIPTION

CIRCUIT NO	WIRE NO	A-END		B-END		REMARK
		JUNCTION	POS.	JUNCTION	POS.	
OL5	560672	SKINNED	A	C116	B	
50	560668	561018	A	C116	B	
50	562588	561108	C	561001	D	
241	562588	561700	E	561108	F	

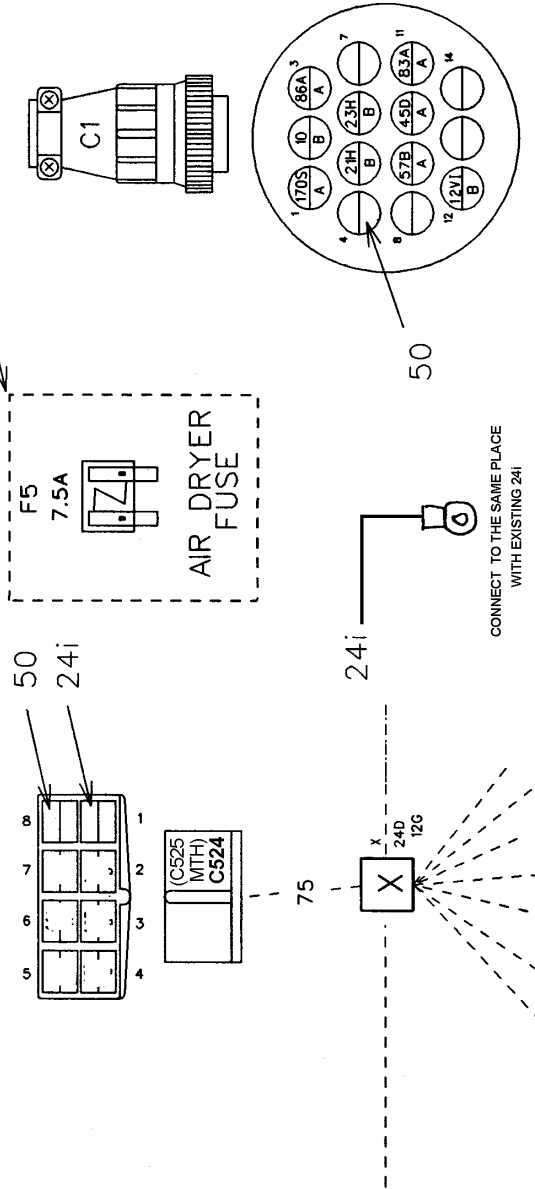
SEC. LOCK
562287



AIR DRYER RETROFIT TO WABCO UNIT WITH THERMAL ELEMENT XL2 WIRING MODIFICATION

FRONT ELECTRICAL JCT BOX

WARNING: PUSH FUSE IN PLACE LAST!



CONNECT WIRE 24i WITH EXISTING 24i TERMINAL / INSERT INTO FUSE HOLDER C524 (C525 FOR MTH) PIN 1
ROUTE WIRE 50 FROM FUSE HOLDER C524 (C525 FOR MTH) PIN 8 UP TO C1 PIN 4

- P 2 -

AIR DRYER RETROFIT TO WABCO UNIT
WITH THERMAL ELEMENT
XL2 WIRING MODIFICATION

REAR AXLE AREA

LAST BAGGAGE
COMPARTMENT

