

# Pneumatic diagram

## PNEUMATIC DIAGRAMS X3-45 COACHES WITH FRONT BEAM AXLE

NO:	<b>D140331 P0</b>	REVISION :	<b>P</b>
-----	-------------------	------------	----------

EFF. OC#	2004015	PRIOR TO OC#	<b>2007131 &amp; 2009088</b>
EFF. VEH#	#7-8938	PRIOR TO VEH#	<b>#A-9953</b>

DR.	Y. Laine	date	2010/06/22
CHK	Marc-Jose Handfield	appr	Marc-José Handfield

REV.	DATE	DESCRIPTION	PAGE	BY	CHK.	APPR.
A	2006-01-11 2006-03-31	#7-8904 X3-45 PRELIMINARY VEHICLE #4 PRODUCTION VEHICLE (PWT) #7-8938...				
B	2006-08-23	#D140331P1.0 REVISION : B	P1.0	Rob.	M.J.H	M.J.H
	2006-08-23	#D140331P1.1 REVISION : B	P1.1	Rob.	M.J.H	M.J.H
	2006-08-23	#D140331P1.2 REVISION : B	P1.2	Rob.	M.J.H	M.J.H
	2006-08-23	#D140331P1.3 REVISION : B	P1.3	Rob.	M.J.H	M.J.H
	2006-08-23	#D140331P1.4 REVISION : B	P1.4	Rob.	M.J.H	M.J.H
	2006-05-05	#D140331SP5.0 , REVISION : A (NEW DIAGRAM)	SP5.0	Rob.	M.J.H.	M.J.H.
	2006-05-05	#D140331SP5.1 , REVISION : A (NEW DIAGRAM SAV)	SP5.1	Rob.	M.J.H.	M.J.H.
	2006-08-23	#D140331SP4.1 , REVISION : B	SP4.1	Rob.	M.J.H.	M.J.H.
	2006-08-23	#D140331SP3.1 , REVISION : B	SP3.1	Rob.	M.J.H.	M.J.H.
C	2007-04-13	#D140331 P1.0 REVISION: C (E-Rides valves Replaced)	P1.0	Rob.	M.J.H.	M.J.H.
		#D140331 P1.1 REVISION: C (E-Rides valves Replaced)	P1.1	Rob.	M.J.H.	M.J.H.
		#D140331 P1.2 REVISION: C (E-Rides valves Replaced)	P1.2	Rob.	M.J.H.	M.J.H.
		#D140331 P1.3 REVISION: C (E-Rides valves Replaced)	P1.3	Rob.	M.J.H.	M.J.H.
		#D140331 P1.4 REVISION: C (E-Rides valves Replaced)	P1.4	Rob.	M.J.H.	M.J.H.
		#D140331 P2.0 REVISION: B (E-Rides valves Replaced)	P2.0	Rob.	M.J.H.	M.J.H.
		#D140331 P3.0 REVISION: B (E-Rides valves Replaced)	P3.0	Rob.	M.J.H.	M.J.H.
		#D140331 P4.0 REVISION: B (E-Rides valves Replaced)	P4.0	Rob.	M.J.H.	M.J.H.
		PRODUCTION VEHICLE #8-9226... O.C. #2007020				
D	2007-05	#D140331 P1.0 REVISION: D (ABS 6)	P1.0	Rob.	M.J.H.	M.J.H.
		#D140331 P1.1 REVISION: D (ABS 6)	P1.1	Rob.	M.J.H.	M.J.H.
		#D140331 P1.2 REVISION: D (ABS 6)	P1.2	Rob.	M.J.H.	M.J.H.
		#D140331 P1.3 REVISION: D (ABS 6)	P1.3	Rob.	M.J.H.	M.J.H.
		#D140331 P1.4 REVISION: D (ABS 6)	P1.4	Rob.	M.J.H.	M.J.H.
		#D140331 P2.0 REVISION: C (ABS 6 & ESP)	P2.0 & 2.1	Rob.	M.J.H.	M.J.H.
		#D140331 P3.0 REVISION: C (ABS 6 & ESP)	P3.0 & 3.1	Rob.	M.J.H.	M.J.H.
		#D140331 P4.0 REVISION: C (ABS 6 & ESP)	P4.0 & 4.1	Rob.	M.J.H.	M.J.H.
		#D140331 P7.0 REVISION: B (ESP)	P7.0 & 7.1	Rob.	M.J.H.	M.J.H.
		#D140331 P8.0 REVISION: B (ABS 6)	P8.0 & 8.1	Rob.	M.J.H.	M.J.H.

# PREVOST

## Pneumatic diagram

### *PNEUMATIC DIAGRAMS X3-45 COACHES WITH FRONT BEAM AXLE*

REV.	DATE	DESCRIPTION	PAGE	BY	CHK.	APPR.
D	2007-05-25 2007-06-25	#D140331 P9.0 REVISION: A (ESP) #D140331 P10.0 REVISION: A (ESP) #D140331 SP2.0 REVISION: B (ESP) #D140331 SP4.0 OBSOLETE #D140331 SP5.0 REVISION: B (ESP) # 8-9259 X3-45 PRELIMINARY VEHICLE WITH ESP PRODUCTION VEHICLE ESP (X3-45 ORLEANS) #8-9282...	P9.0 & 9.1 P10.0&10.1 SP2.0&2.1 SP4.0&4.1 SP5.0&5.1	Rob. Rob. Rob. Rob. Rob.	M.J.H. M.J.H. M.J.H. M.J.H. M.J.H.	M.J.H. M.J.H. M.J.H. M.J.H. M.J.H.
E	2007-12-05	#D140331 P1.0 REVISION: E #D140331 P1.1 REVISION: E #D140331 P1.2 REVISION: E #D140331 P1.3 REVISION: E #D140331 P1.4 REVISION: E VEHICULES #8-9405 , #8-9431 , PRODUCTION #8-9426...	P1.0 P1.1 P1.2 P1.3 P1.4	Rob. Rob. Rob. Rob. Rob.	M.J.H. M.J.H. M.J.H. M.J.H. M.J.H.	M.J.H. M.J.H. M.J.H. M.J.H. M.J.H.
F	2008-02-26	ENGINE VOLVO MD 13 Preliminary vehicles : No. 1 #8-9259 , No. 2 #8-9295 , No. 3 #8-9364 PRODUCTION VEHICLE X3-45 : #8-9451 ... New page #D140331P11 New page #D140331SP6	P11&11.1 SP6&6.1	Rob. Rob.	M.J.H. M.J.H.	M.J.H. M.J.H.
G	2008-04-04	NEW AIR HORN , SEE #D140331 P.1 REVISION : F EFFECTIF PRODUCTION VEHICLE : #8-9422...	P1.0 TO 1.4	Rob.	M.J.H.	M.J.H.
H	2008-04-14	#D140331 P7.0 REVISION: C (Update) #D140331 P9.0 REVISION: B (Update) #D140331 P10.0 REVISION: B (Update) #D140331 SP2.0 REVISION: C (Update)	P7.0 & 7.1 P9.0 & 9.1 P10.0&10.1 SP2.0&2.1	Rob. Rob. Rob. Rob.	M.J.H. M.J.H. M.J.H. M.J.H.	M.J.H. M.J.H. M.J.H. M.J.H.
I	2008-01-25	NEW AIR TANKS ASSY FOR DIFFERENTIAL AIR BELLOWS SUSPENSION .#D140331 P.1 , P.2 , P.3 , P.4	P1 TO P4 P1.1 TO 4.1	Rob.	M.J.H.	M.J.H.
J	2008-06-27	D13 VOLVO ENGINE , ADD AIR CLEANER INJECTOR #D140331 P12 & P13 NEW PAGES.RETROFIT PRIOR TO #8-9451	P12.1 P13.1	Y.L.	M.J.H.	M.J.H.
K	2008-07-08 2008-07-15	Update P7 & SP2 air brake trailer hitch COST SAVING , O.C.#2008069 , Effective Vehicle #9-9599... #D140331 P1.0 REVISION: H #D140331 P2.0 REVISION: E #D140331 P3.0 REVISION: E #D140331 P4.0 REVISION: E	P7 & SP2 P1.0 & 1.1 P2.0 & 2.1 P3.0&3.1 P4.0&4.1	Y.L. Rob. Rob. Rob. Rob.	M.J.H. M.J.H. M.J.H. M.J.H. M.J.H.	M.J.H. M.J.H. M.J.H. M.J.H. M.J.H.
L	2008-12-04	#D140331 SP7 ADD NEW PAGE FOR GREYHOUND BOLT BUS	P7.0&7.1	Rob.	M.J.H.	M.J.H.

# Pneumatic diagram

## PNEUMATIC DIAGRAMS X3-45 COACHES WITH FRONT BEAM AXLE

REV.	DATE	DESCRIPTION	PAGE	BY	CHK.	APPR.
M	2009-01-14	#D140331 P7.0 REV.E & SP2 REV. E SEE O.C.#2008107	P7 & SP2	Rob.	M.J.H.	M.J.H.
N	2009-12-11	#D140331 SP6 REV.B SEE O.C.#2009086	SP6	Rob.	M.J.H.	M.J.H.
O	2010-04-28	NEW TAG AXLE, O.C. #2007131 (Preliminary vehicles: #A-9872 , #A-9907 , #A-9926) EFFECTIVE VEHICLE #A-9953		Y.L.	M.J.H.	M.J.H.
		Revision i	P1.0 & 1.1	Y.L.	M.J.H.	M.J.H.
		Revision F	P2.0 & 2.1	Y.L.	M.J.H.	M.J.H.
		Revision F	P3.0 & 3.1	Y.L.	M.J.H.	M.J.H.
		Revision F	P4.0 & 4.1	Y.L.	M.J.H.	M.J.H.
		MODIFICATION FRONT KNEELING OC#2009038	Revision B	Y.L.	M.J.H.	M.J.H.
			Revision F	Y.L.	M.J.H.	M.J.H.
			Revision C	Y.L.	M.J.H.	M.J.H.
			Revision C	Y.L.	M.J.H.	M.J.H.
			Revision C	Y.L.	M.J.H.	M.J.H.
			Revision C	Y.L.	M.J.H.	M.J.H.
			Revision B	Y.L.	M.J.H.	M.J.H.
		MODIFICATION SOLENOID 7 th INJECTOR VOLVO OC#2009088	Revision B	Y.L.	M.J.H.	M.J.H.
		MODIFICATION SOLENOID 7 th INJECTOR VOLVO OC#2009088	Revision B	Y.L.	M.J.H.	M.J.H.
		MODIFICATION SOLENOID 7 th INJECTOR VOLVO OC#2009088	Revision B	Y.L.	M.J.H.	M.J.H.
		OC#2007131 NEW PAGE 15	P15.0&P15.1	Y.L.	M.J.H.	M.J.H.
		OC#2007131 NEW PAGE 16	P16.0&P16.1	Y.L.	M.J.H.	M.J.H.
			Revision B	Y.L.	M.J.H.	M.J.H.
			Revision F	Y.L.	M.J.H.	M.J.H.
		SAV NEW PAGE 7.2 Revision A	P7.2	Rob.	Rob.	M.J.H.
P	2009-07-02	UPDATE, REVISION D	P10 & P10.1	Y.L.	Y.L.	M.J.H.
	2010-06-22					

# Pneumatic diagram

## PNEUMATIC DIAGRAMS X3-45 COACHES WITH FRONT BEAM AXLE

PRODUCTION NUMBER	REV	EFF. VEH.	ECN	S.A.V. NUMBER	REV	DESCRIPTION
D140331P1.0	A	#7-8933	2004015	<b>D140331P1.1</b>	<b>I</b>	FULL PNEUMATIC SYSTEM ABS 6
	B	#7-9035	----	<b>D140331P1.2</b>	<b>I</b>	ACCESSORIES
	C	#8-9226	2007020	<b>D140331P1.3</b>	<b>I</b>	BRAKES SYSTEM
	D	#8-9282	2006038 2005002	<b>D140331P1.4</b>	<b>I</b>	SUSPENSION
	E	#8-9426	----			
	F	#8-9422	2006025			
	G	#8-9430	2007108			
	H	#9-9599	2008069			
	<b>I</b>	<b>#A-9953</b>	<b>2007131</b>			
D140331P2.0	A	#7-8933	2004015	<b>D140331P2.1</b>	A	KNEELING & LOW-BUOY OPTION
	B	#8-9226	2007020		B	
	C	#8-9282	2006038 2005002		C	
	D	#8-9430	2007108		D	
	E	#9-9599	2008069		E	
	<b>F</b>	<b>#A-9953</b>	<b>2007131</b>		<b>F</b>	
D140331P3.0	A	#7-8933	2004015	<b>D140331P3.1</b>	A	KNEELING & HIGH-BUOY OPTION
	B	#8-9226	2007020		B	
	C	#8-9282	2006038 2005002		C	
	D	#8-9430	2007108		D	
	E	#9-9599	2008069		E	
	<b>F</b>	<b>#A-9953</b>	<b>2007131</b>		<b>F</b>	
D140331P4.0	A	#7-8933	2004015	<b>D140331P4.1</b>	A	KNEELING, LOW-BUOY & HIGH-BUOY OPTION
	B	#8-9226	2007020		B	
	C	#8-9282	2006038 2005002		C	
	D	#8-9430	2007108		D	
	E	#9-9599	2008069		E	
	<b>F</b>	<b>#A-9953</b>	<b>2007131</b>		<b>F</b>	

# Pneumatic diagram

## PNEUMATIC DIAGRAMS X3-45 COACHES WITH FRONT BEAM AXLE

PRODUCTION NUMBER	REV	EFF. VEH.	ECN	S.A.V. NUMBER	REV	DESCRIPTION
D140331P5.0	A B	#7-8933 #A-9867	2004015 2009038	D140331P5.1	A B	KNEELING OPTION
D140331P6.0	A	#7-8933	2004015	D140331P6.1	A	PARKING BRAKE WITH WCL WITHOUT KNEELING OPTION
D140331P7.0	A B C D E F	#7-8933 #8-9282 --- --- #9-9674 #A-9953	2004015 2006038 2005002 --- --- 2008107 2007131	D140331P7.1	A B C D E F	TRAILER HITCH AIR BRAKE OPTION (Allison transmission) AND ESP OPTION
----	----	#8-9405,9-9614 9-9648,9-9660	---	D140331P7.2	A	TRAILER HITCH AIR BRAKE OPTION (Allison transmission) AND ESP OPTION, Modification pneumatic line Retrofit, (2009-07)
D140331P8.0	A B C	#7-8933 #8-9282 #A-9953	2004015 2006038 2005002 2007131	D140331P8.1	A B C	WITH ZF TRANSMISSION ABS 6 ( HALDEX AIR DRYER IN REAR SUB-FRAME ) S-60
D140331P9.0	A B C	#8-9282 #A-9953	2006038 2005002 2007131	D140331P9.1	A B C	WITH ZF TRANSMISSION SYSTEM ESP OPTION ( HALDEX AIR DRYER IN REAR SUB-FRAME ) S-60
D140331P10.0	A B C D	#8-9282 #A-9953	2006038 2005002 2007131	D140331P10.1	A B C D	BRAKE SYSTEM ESP (Electronic Stability Program) OPTION
D140331P11.0	A B	#8-9451 #A-9953	2005086 2007131	D140331P11.1	A B	D13 VOLVO ENGINE HALDEX AIR DRYER INTO LUGGAGE COMPARTMENT
D140331P12.0	A B	#8-9451 #A-9953	2008048 2009088	D140331P12.1	A B	D13 VOLVO ENGINE WITH RETARDER, ALLISON TRANSM.
D140331P13.0	A B	#8-9451 #A-9953	2008048 2009088	D140331P13.1	A B	D13 VOLVO ENGINE WITHOUT RETARDER, ALLISON TRANSM.
D140331P14.0	A	#8-9282	2005002	D140331P14.1	A	S60 ENGINE WITH OUTPUT RETARDER, ALLISON TRANSM.

# Pneumatic diagram

## PNEUMATIC DIAGRAMS X3-45 COACHES WITH FRONT BEAM AXLE

	<b>B</b>	<b>#A-9953</b>	<b>2009088</b>		<b>B</b>	
PRODUCTION NUMBER	REV	EFF. VEH.	ECN	S.A.V. NUMBER	REV	DESCRIPTION
D140331P15.0	<b>A</b>	<b>#A-9953</b>	<b>2007131</b>	D140331P15.1	<b>A</b>	S60 ENGINE HALDEX AIR DRYER IN REAR SUB-FRAME
D140331P16.0	<b>A</b>	<b>#A-9953</b>	<b>2007131</b>	D140331P16.1	<b>A</b>	D13 VOLVO ENGINE HALDEX AIR DRYER IN REAR SUB-FRAME
D140331SP1.0	A <b>B</b>	#7-8883 <b>#A-9953</b>	2004015 <b>2007131</b>	D140331SP2.1	A <b>B</b>	“SPECIAL” WITH WABCO AIR DRYER INTO LUGGAGE COMPARTMENT AND ENGINE DETROIT S-60
D140331SP2.0	A B C D E <b>F</b>	#7-8933 #8-9282 --- --- #9-9674 <b>#A-9953</b>	2004015 2006038 2005002 --- --- 2008107 <b>2007131</b>	D140331SP2.1	A B C D E <b>F</b>	“SPECIAL” WITH TRAILER AIR BRAKE, ZF TRANSMISSION AND ESP OPTION
D140331SP3.0	A <b>B</b>	#7-8933 #7-8883	2004015 ----	D140331SP3.1	A <b>B</b>	“SPECIAL” WITH OPTION PARKING BRAKE RELEASE WITH SUPPLEMENTARY SWITCH
D140331SP4.0	A <b>B</b>	--- ---	2004015 ----	D140331SP4.1		“SPECIAL” WITH ZF TANSMISSION TRACTION CONTROL ATC & TRAILER HITCH OPTION ( No application )
D140331SP5.0	A <b>B</b>	#7-8983 <b>#8-9282</b>	---- <b>2006038</b>	D140331SP5.1	A <b>B</b>	“SPECIAL” WITH FRONT PNEUMATIC FILL VALVE , SERVICE COMPARTMENT.
D140331SP6.0	A B <b>C</b>	#8-9451 #A-9887 <b>#A-9953</b>	2005086 2009086 <b>2007131</b>	D140331SP6.1	A B <b>C</b>	“SPECIAL” D13 VOLVO ENGINE WABCO AIR DRYER INTO LUGGAGE COMPARTMENT
D140331SP7.0	<b>A</b>	<b>#9-9643</b>	-----	D140331SP7.1	<b>A</b>	“SPECIAL” DETROIT ENGINE WITH HALDEX AIR DRYER ON LUGGAGE COMPARTMENT (GREYHOUND BOLT BUS) WARNING : SEE #D140331 P1 Revision I , for the same option witch became standard since OC#2007131.