

EQUIPMENT SERVICE ON SITE



C-VAC³ / 2 COOL

DF-2200

DF-2200P

Parts Reference Manual



November, 2003

All information contained or disclosed in this document is considered confidential and proprietary by Snap-on Tools Company. All manufacturing, use, reproduction, and sales rights are reserved by Snap-on Tools Company and the information contained herein shall not be used in whole or in part without the express written consent of Snap-on Tools Company.

PARTS

DF2200, CVAC-3, 2-COOL

This document describes assemblies/subassemblies/parts considered replaceable at on-site field installation.

SERIAL NUMBER

The serial number for this unit is a simple incremental manufacturing number starting at 10000 and counting up. If specific manufacturing data is needed regarding a particular serial numbered machine, contact Dispatch at 1-800-225-5786, or NORCO at 1-800-303-5874.

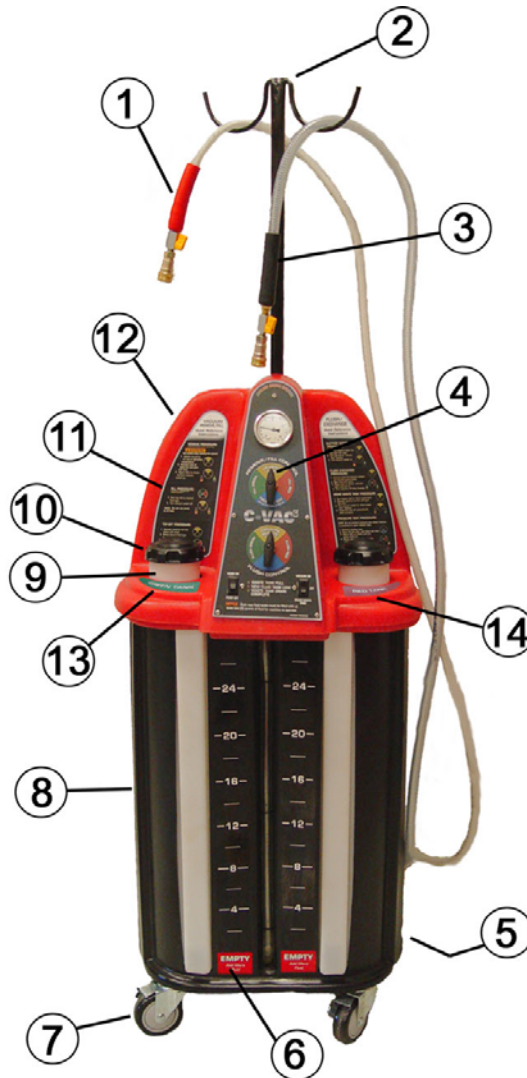
SPECIAL MARKERS:

***** INDICATES NUMBER IN SYSTEM, BUT NO INITIAL STOCK UNTIL FIRST ORDER

NS: NOT SHOWN IN PICTORIAL

PARTS BY PICTORIAL

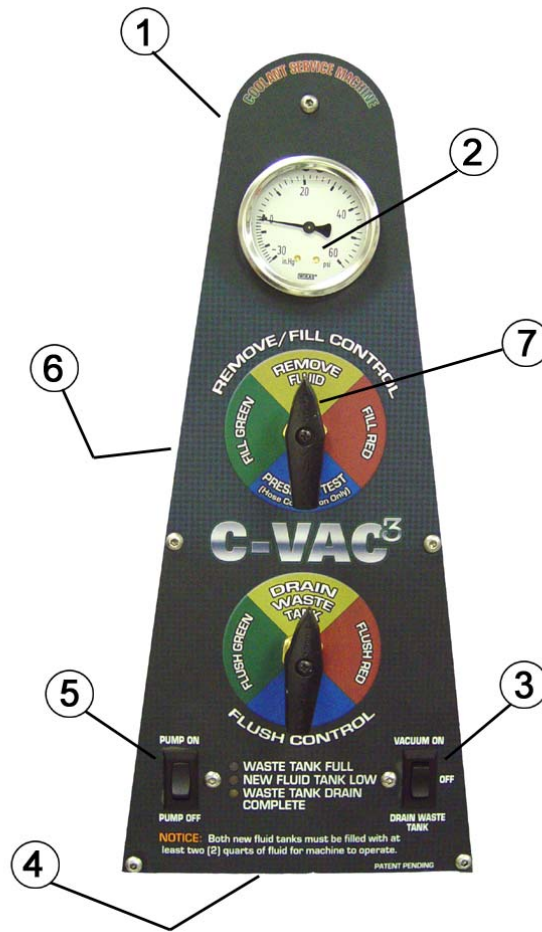
FRONT VIEW



* INDICATES NUMBER IN SYSTEM, BUT NO INITIAL STOCK UNTIL FIRST ORDER

ITEM	DESCRIPTION	PART NUMBER	ITEM	DESCRIPTION	PART NUMBER
1	Hose, Service, red	NOR941346	10	Cap, Tank	NOR942113
2	Hanger, (shepherd's hook)	NOR941321	11a	Label, Instruction, left	NOR941302 *
3	Hose, Service, black	NOR941345	11b	Label, Instruction, right	NOR941303 *
4	Control Panel, see next page		12	Top Body, red	NOR941282 *
5	Wheel, 10"	NOR941300	13	Label, Green Tank	NOR940988
6	Label Measure Strip	NOR941306 *	14	Label, Red Tank	NOR940989
7	Wheel, Locking Caster	NOR942118	NS	Panel, Top Service	NOR941316 *
8	Body Assembly, black	NOR941283 *	NS	Panel, Bottom Service	NOR941317 *
9a	Tank, New, left	NOR941280	NS	Mat, vinyl	NOR941343
9b	Tank, New, right	NOR941281			
9c	Tank, Waste	NOR941314			

CONTROL PANEL

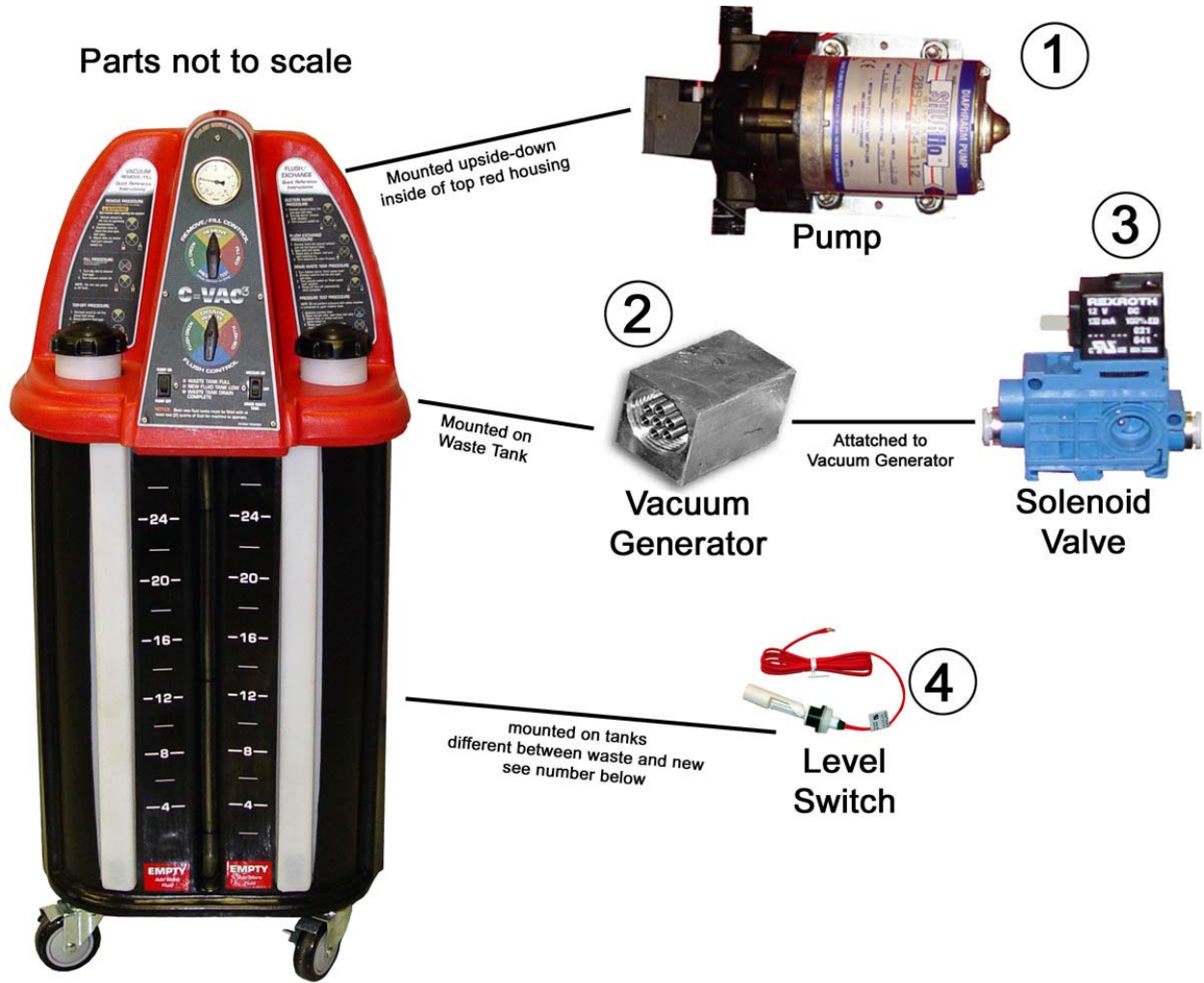


NOTE: CONTROL BOARD AND WIRING HARNESS COME AS AN ASSEMBLY. THE WIRING HARNESS ALSO CONTAINS THE 7.5 AMP FUSE AND HOLDER AS WELL AS THE BRIDGE RECTIFIER.

NOTE: FUSE IS A COMMON LOCAL PURCHASE: AGC-GLASS, 7.5 AMPS, 24 VOLT, SLOW-BLOW.

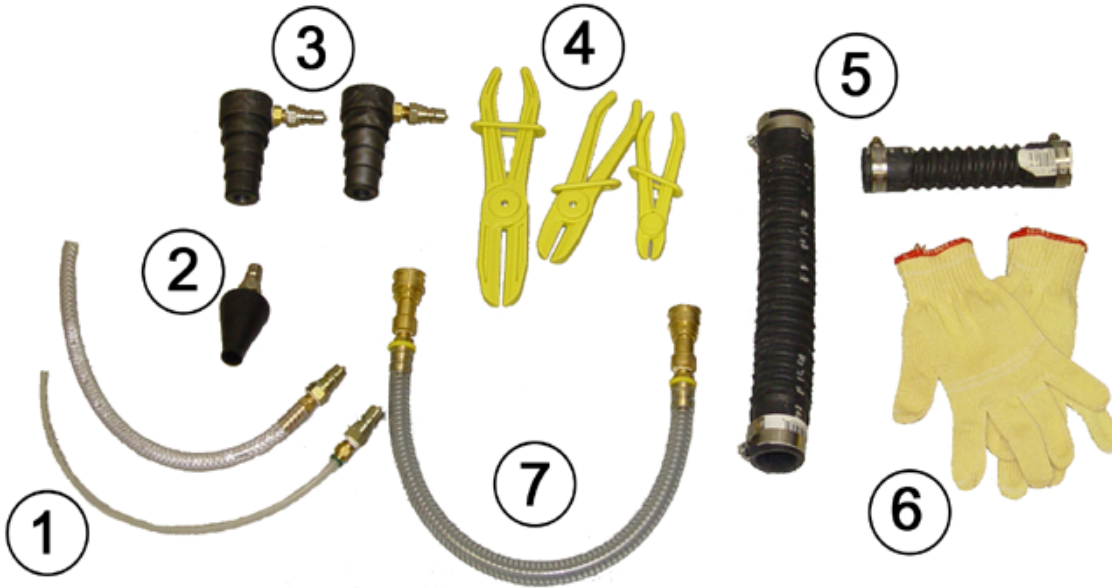
ITEM	DESCRIPTION	PART NUMBER	ITEM	DESCRIPTION	PART NUMBER
1a	Panel, Control, w/label Cvac-3	NOR941301	4	Board, Control w/ wiring-harness (see Note above)	NOR941284
1b	Panel, Control, w/label 2Cool	NOR941308	5	Switch, 2-Way Pump	NOR941341
2	Gauge, Pressure/Vacuum	NOR941278	6	Valve, 4-Way	NOR941277
3	Switch, 3-Way Vacuum	NOR941342	7	Knobs, 4-Way Valves	NOR941368

INTERNAL ASSEMBLIES



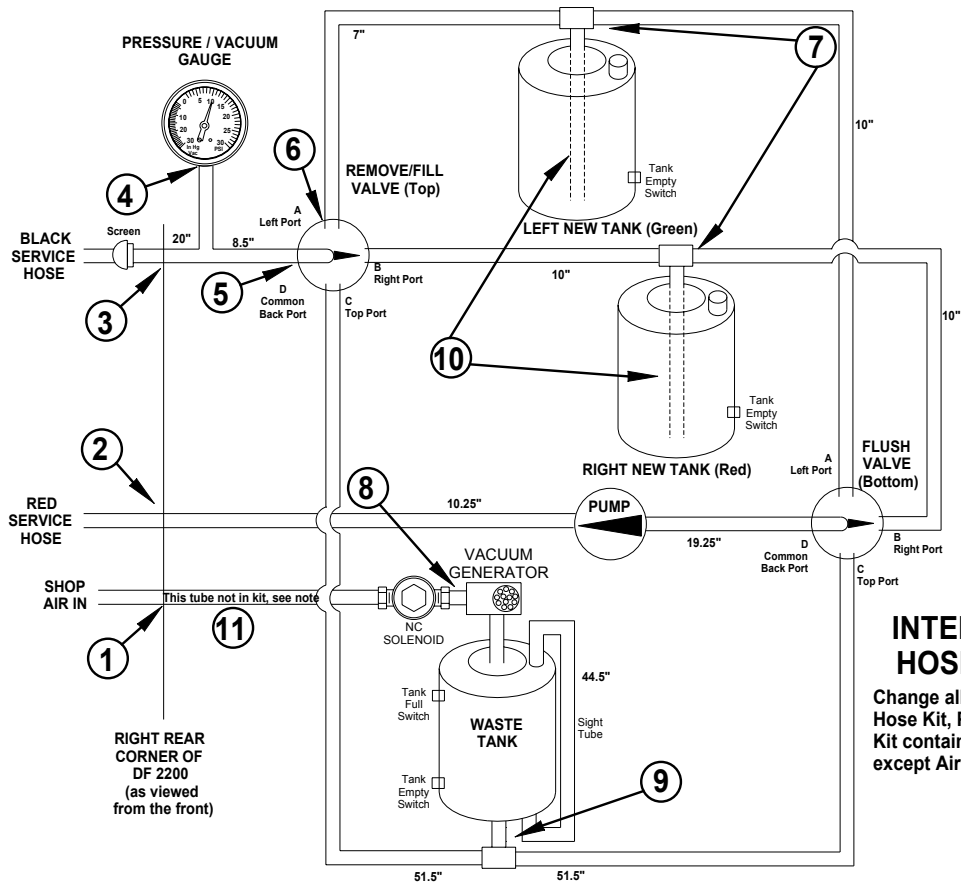
ITEM	DESCRIPTION	PART NUMBER	ITEM	DESCRIPTION	PART NUMBER
1	Pump	NOR941285	3	Valve, Solenoid	NOR941276
2	Vacuum Generator	NOR941275	4a	Switch, Waste Tank Level	NOR941294
			4b	Switch, New Tanks Level	NOR941251

ACCESSORIES



ITEM	DESCRIPTION	PART NUMBER	ITEM	DESCRIPTION	PART NUMBER
1a	Adapter, Wand, small	NOR941289	5a	Adapter, Hose, small	NOR942230
1b	Adapter, Wand, large	NOR941288	5b	Adapter, Hose, large	NOR942231
2	Adapter, Cone	NOR941297	6	Gloves	NOR941298
3	Adapter, Step	NOR941293	7	Adapter, Hose, Jumper	NOR941347
4a	Clamp, Hose, Small	NOR941290			
4b	Clamp, Hose, Medium	NOR941291			
4c	Clamp, Hose, Large	NOR941292			

FITTINGS AND HOSES (INTERNAL)



INTERNAL HOSE KIT (12)

Change all hoses with the Internal Hose Kit, Part Number NOR941348. Kit contains all internal hose assemblies except Air Supply Tube (NOR941336).

ITEM	DESCRIPTION	PART NUMBER	ITEM	DESCRIPTION	PART NUMBER
1a	Nipple, 1/4" Air	NOR941335	8	Connector, Plastic	NOR941331
1b	Fitting, Bulkhead	NOR941334	9	Fitting, Elbow	NOR941109
1c	Connector	NOR941332	10	Tube, Aluminum	NOR941307
2	Fitting, Bulkhead	NOR941337	11	Tube, Air-in	NOR941336
3a	Quick Disconnect, Male	NOR940814	12	Kit, Internal Hoses	NOR941348
3b	Connector, outer	NOR941328	12a	Hose Assy, 10"	NOR941355
3c	Fitting, strait, inner	NOR941327	12b	Hose Assy, 20"	NOR941356
4a	Fitting, Tee, 1/4" female	NOR941324	12c	Hose Assy, 19.25"	NOR941351
4b	Connector, inner	NOR941327	12d	Hose Assy, 8.5"	NOR941352
4c	Fitting, Elbow	NOR941329	12e	Hose Assy, 51.5"	NOR941353
5	Fitting, strait, control valve	NOR940124	12f	Hose Assy, 7"	NOR941354
6	Fitting, Elbow	NOR940114	12g	Hose Assy, 44.5"	NOR941349
7a	Fitting, Tee	NOR941326	12h	Hose Assy, 10.25"	NOR941350
7b	Connector, Plastic	NOR941325			

PARTS IN ALPHABETICAL ORDER

DESCRIPTION	PART NUMBER	COMMENTS
Adapter, Cone	NOR941297	Page 5, item 2
Adapter, Hose, Jumper	NOR941347	Page 5, item 7
Adapter, Hose, large	NOR942231	Page 5, item 5b
Adapter, Hose, small	NOR942230	Page 5, item 5a
Adapter, Step	NOR941293	Page 5, item 3
Adapter, Wand, large	NOR941288	Page 5, item 1B
Adapter, Wand, small	NOR941289	Page 5, item 1A
Board, Control w/ wiring-harness (see Note above)	NOR941284	Page 3, item 4
Body Assembly, black	NOR941283 *	Page 2, item 8
Cap, Tank	NOR942113	Page 2, item 10
Clamp, Hose, Large	NOR941292	Page 5, item 4c
Clamp, Hose, Medium	NOR941291	Page 5, item 4b
Clamp, Hose, Small	NOR941290	Page 5, item 4a
Connector	NOR941332	Page 6, item 1c
Connector, inner	NOR941327	Page 6, item 4b
Connector, outer	NOR941328	Page 6, item 3b
Connector, Plastic	NOR941325	Page 6, item 7b
Connector, Plastic	NOR941331	Page 6, item 8
Fitting, Bulkhead	NOR941334	Page 6, item 1b
Fitting, Bulkhead	NOR941337	Page 6, item 2
Fitting, Elbow	NOR941329	Page 6, item 4c
Fitting, Elbow	NOR940114	Page 6, item 6
Fitting, Elbow	NOR941109	Page 6, item 9
Fitting, strait, control valve	NOR940124	Page 6, item 5
Fitting, strait, inner	NOR941327	Page 6, item 3c
Fitting, Tee	NOR941326	Page 6, item 7a
Fitting, Tee, ¼" female	NOR941324	Page 6, item 4a
Gauge, Pressure/Vacuum	NOR941278	Page 3, item 2
Gloves	NOR941298	Page 5, item 6
Hanger, (shepherd's hook)	NOR941321	Page 2, item 2
Hose Assy, 10.25"	NOR941350	Page 6, item 12h
Hose Assy, 10"	NOR941355	Page 6, item 12a
Hose Assy, 19.25"	NOR941351	Page 6, item 12c
Hose Assy, 20"	NOR941356	Page 6, item 12b
Hose Assy, 44.5"	NOR941349	Page 6, item 12g
Hose Assy, 51.5"	NOR941353	Page 6, item 12e
Hose Assy, 7"	NOR941354	Page 6, item 12f
Hose Assy, 8.5"	NOR941352	Page 6, item 12d
Hose, Service, black	NOR941345	Page 2, item 3
Hose, Service, red	NOR941346	Page 2, item 1
Kit, Internal Hoses	NOR941348	Page 6, item 12
Knobs, 4-Way Valves	NOR941368	Page 3, item 7
Label Measure Strip	NOR941306 *	Page 2, item 6
Label, Green Tank	NOR940988	Page 2, item 13
Label, Instruction, left	NOR941302 *	Page 2, item 11a
Label, Instruction, right	NOR941303 *	Page 2, item 11b
Label, Red Tank	NOR940989	Page 2, item 14
Mat, vinyl	NOR941343	Page 2, item not shown, in rear tray
Nipple, ¼" Air	NOR941335	Page 6, item 1a
Panel, Bottom Service	NOR941317 *	Page 2, item not shown, in rear of unit
Panel, Control, w/label 2Cool	NOR941308	Page 3, item 1b

DF2200 PARTS REFERENCE

DESCRIPTION	PART NUMBER	COMMENTS
Panel, Control, w/label Cvac-3	NOR941301	Page 3, item 1a
Panel, Top Service	NOR941316 *	Page 2, item not shown, in rear of unit
Pump	NOR941285	Page 4, item 1
Quick Disconnect, Male	NOR940814	Page 6, item 3a
Switch, 2-Way Pump	NOR941341	Page 3, item 5
Switch, 3-Way Vacuum	NOR941342	Page 3, item 3
Switch, New Tanks Level	NOR941251	Page 4, item 4b
Switch, Waste Tank Level	NOR941294	Page 4, item 4a
Tank, New, left	NOR941280	Page 2, item 9a
Tank, New, right	NOR941281	Page 2, item 9b
Tank, Waste	NOR941314	Page 2, item 9c
Top Body, red	NOR941282 *	Page 2, item 12
Tube, Air-in	NOR941336	Page 6, item 11
Tube, Aluminum	NOR941307	Page 6, item 10
Vacuum Generator	NOR941275	Page 4, item 2
Valve, 4-Way	NOR941277	Page 3, item 6
Valve, Solenoid	NOR941276	Page 4, item 3
Wheel, 10"	NOR941300	Page 2, item 5
Wheel, Locking Caster	NOR942118	Page 2, item 7

PARTS IN NUMERICAL ORDER

PART NUMBER	DESCRIPTION	COMMENTS
NOR940114	Fitting, Elbow	Page 6, item 6
NOR940124	Fitting, strait, control valve	Page 6, item 5
NOR940814	Quick Disconnect, Male	Page 6, item 3a
NOR940988	Label, Green Tank	Page 2, item 13
NOR940989	Label, Red Tank	Page 2, item 14
NOR941109	Fitting, Elbow	Page 6, item 9
NOR941251	Switch, New Tanks Level	Page 4, item 4b
NOR941275	Vacuum Generator	Page 4, item 2
NOR941276	Valve, Solenoid	Page 4, item 3
NOR941277	Valve, 4-Way	Page 3, item 6
NOR941278	Gauge, Pressure/Vacuum	Page 3, item 2
NOR941280	Tank, New, left	Page 2, item 9a
NOR941281	Tank, New, right	Page 2, item 9b
NOR941282 *	Top Body, red	Page 2, item 12
NOR941283 *	Body Assembly, black	Page 2, item 8
NOR941284	Board, Control w/ wiring-harness (see Note above)	Page 3, item 4
NOR941285	Pump	Page 4, item 1
NOR941288	Adapter, Wand, large	Page 5, item 1B
NOR941289	Adapter, Wand, small	Page 5, item 1A
NOR941290	Clamp, Hose, Small	Page 5, item 4a
NOR941291	Clamp, Hose, Medium	Page 5, item 4b
NOR941292	Clamp, Hose, Large	Page 5, item 4c
NOR941293	Adapter, Step	Page 5, item 3
NOR941294	Switch, Waste Tank Level	Page 4, item 4a
NOR941297	Adapter, Cone	Page 5, item 2
NOR941298	Gloves	Page 5, item 6
NOR941300	Wheel, 10"	Page 2, item 5
NOR941301	Panel, Control, w/label Cvac-3	Page 3, item 1a
NOR941302 *	Label, Instruction, left	Page 2, item 11a
NOR941303 *	Label, Instruction, right	Page 2, item 11b
NOR941306 *	Label Measure Strip	Page 2, item 6
NOR941307	Tube, Aluminum	Page 6, item 10
NOR941308	Panel, Control, w/label 2Cool	Page 3, item 1b
NOR941314	Tank, Waste	Page 2, item 9c
NOR941316 *	Panel, Top Service	Page 2, item not shown, in rear of unit
NOR941317 *	Panel, Bottom Service	Page 2, item not shown, in rear of unit
NOR941321	Hanger, (shepherd's hook)	Page 2, item 2
NOR941324	Fitting, Tee, 1/4" female	Page 6, item 4a
NOR941325	Connector, Plastic	Page 6, item 7b
NOR941326	Fitting, Tee	Page 6, item 7a
NOR941327	Connector, inner	Page 6, item 4b
NOR941327	Fitting, strait, inner	Page 6, item 3c
NOR941328	Connector, outer	Page 6, item 3b
NOR941329	Fitting, Elbow	Page 6, item 4c
NOR941331	Connector, Plastic	Page 6, item 8
NOR941332	Connector	Page 6, item 1c
NOR941334	Fitting, Bulkhead	Page 6, item 1b
NOR941335	Nipple, 1/4" Air	Page 6, item 1a
NOR941336	Tube, Air-in	Page 6, item 11
NOR941337	Fitting, Bulkhead	Page 6, item 2
NOR941341	Switch, 2-Way Pump	Page 3, item 5

DF2200 PARTS REFERENCE

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>COMMENTS</u>
NOR941342	Switch, 3-Way Vacuum	Page 3, item 3
NOR941343	Mat, vinyl	Page 2, item not shown, in rear tray
NOR941345	Hose, Service, black	Page 2, item 3
NOR941346	Hose, Service, red	Page 2, item 1
NOR941347	Adapter, Hose, Jumper	Page 5, item 7
NOR941348	Kit, Internal Hoses	Page 6, item 12
NOR941349	Hose Assy, 44.5"	Page 6, item 12g
NOR941350	Hose Assy, 10.25"	Page 6, item 12h
NOR941351	Hose Assy, 19.25"	Page 6, item 12c
NOR941352	Hose Assy, 8.5"	Page 6, item 12d
NOR941353	Hose Assy, 51.5"	Page 6, item 12e
NOR941354	Hose Assy, 7"	Page 6, item 12f
NOR941355	Hose Assy, 10"	Page 6, item 12a
NOR941356	Hose Assy, 20"	Page 6, item 12b
NOR941368	Knobs, 4-Way Valves	Page 3, item 7
NOR942113	Cap, Tank	Page 2, item 10
NOR942118	Wheel, Locking Caster	Page 2, item 7
NOR942230	Adapter, Hose, small	Page 5, item 5a
NOR942231	Adapter, Hose, large	Page 5, item 5b

EQUIPMENT SERVICE ON SITE



355 EXCHANGE AVE
CONWAY, ARKANSAS 72032