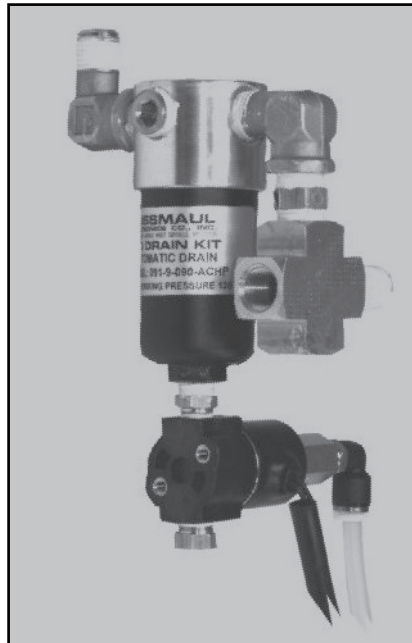


AUTO DRAIN ACHP

AN AUTOMATIC MOISTURE DRAIN
FOR THE 091-9HP AIR COMPRESSOR



MODEL # : 091-9-090

INPUT : 120 Volt, AC Solenoid

File: 091-9-090
Rev:
Revised By:
Date: 8-3-2005

1 YEAR WARRANTY

170 Cherry Avenue
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INTRODUCTION

The Auto Drain ACHP system consists of a 120 volt normally open solenoid, a filter and assorted fittings. Designed to work with the 120 volt Model 091-9HP Auto Pump, the solenoid bleeds the filter bowl when the pump is not running. As soon as the pressure switch turns on the compressor, the solenoid is energized and the bleed is closed. A check valve that is supplied with the Auto Drain kit must be installed as shown to seal off the vehicles air pressure when the bleed valve opens.

AUTO DRAIN COMPONENTS

ITEM	QUANTITY	PARTNUMBER	DESCRIPTION
1	1	A2231-1-C108	Solenoid Valve, 120 Volt A.C., normally open
2	1	F5044-02-DH-Z310	Filter with metal bowl
3	1	216P-2	Nipple, 1/8 NPT
4	2	PLB112-4	Nipple, 1/4 NPT Close
5	1	219-P-2	Plug, 1/8 NPT
6	1	219-P-4	Plug, 1/4 NPT
7	1	PL1/4-NIU	Elbow, 1/8 NPT, male - 1/4 tube
8	2	1202P4-4	Street Elbow, 1/4 NPT
9	1	CMMQ20B	Ball Check Valve, 1/4 NPT male -1/4 NPT male
10	1	2205P-4	Cross, Brass, 1/4 NPT
11	1	209R4-2	Reducing bushing, brass, 1/4x1/8 NPT
12	1	NN4-035	1/4 Tubing, 24 inches
13	1	PVC-1/4	Sleeving, 1/4" PVC, 11 inches



091-9-090 AUTO DRAIN ACHP INSTALLED ON 091-9HP AUTO PUMP

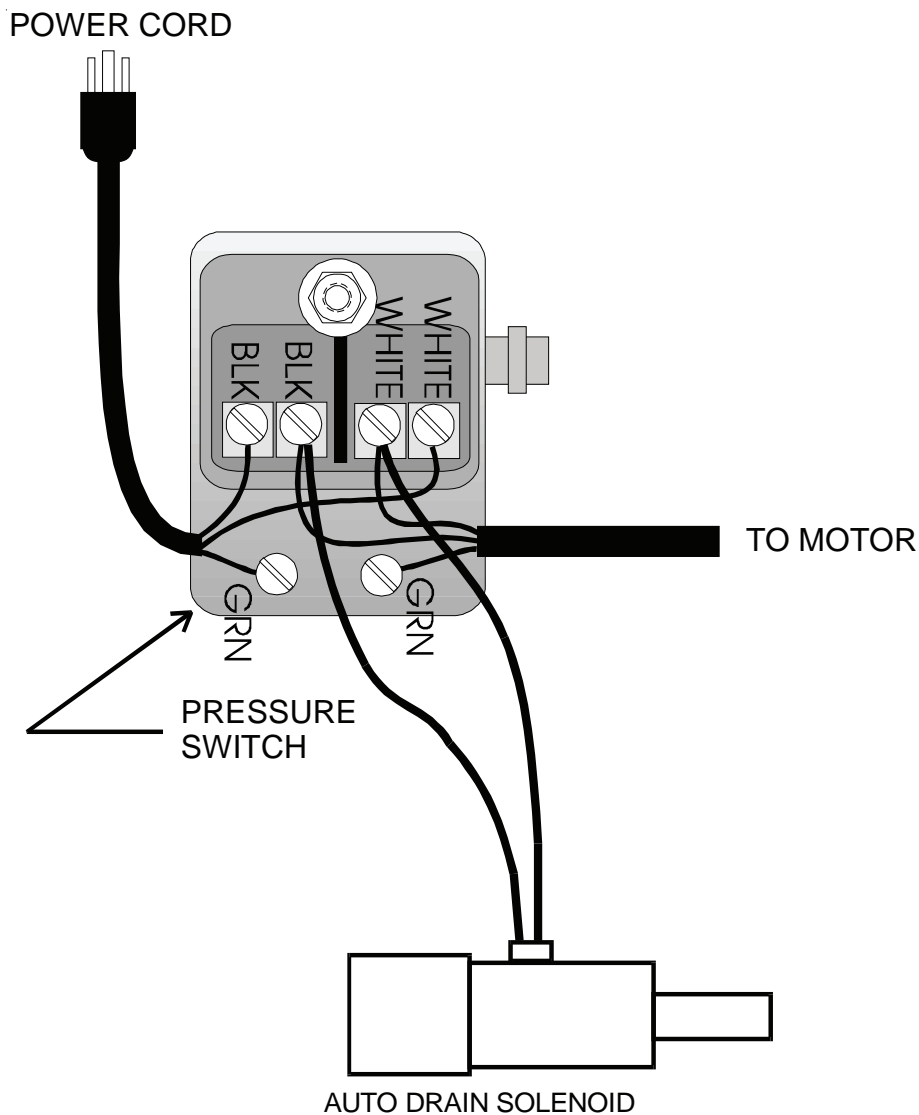
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AUTO DRAIN WIRING INSTALLATION

1. Install the black sleeving over the solenoid wires
2. Connect the AUTO DRAIN solenoid wires to output terminals of pressure switch. These are the same terminals that supply power to the AUTO PUMP motor
3. The AUTO DRAIN is now properly connected. Test by bleeding system pressure to start AUTO PUMP and note that when pump shuts down, air and moisture will bleed out of drain tube.
4. Position drain tube to direct moisture to exterior of vehicle.



INSTALLATION RECORD

DATE INSTALLED _____

INSTALLED BY _____

VEHICLE IDENTIFICATION _____

VEHICLE OWNER _____

WARRANTY POLICY

All products of Kussmaul Electronics Company Inc. are warranted to be free of defects of material or workmanship. Liability is limited to repairing or replacing at our factory, without charge, any material or defects which become apparent in normal use within 3 years from the date the equipment was shipped. Equipment is to be returned, shipping charges prepaid and will be returned, after repair, shipping charges paid.

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