

# AUTO DRAIN

## AUTOMATIC MOISTURE DRAIN FOR THE 091-9-12V AUTO PUMP



**MODEL # : 091-9-131**

**INPUT: 12 Volts DC**

File: IM\_091-9-131\_reva.indd  
Rev: A  
Revised By: MFG  
Date: 10-28-2013

1 YEAR WARRANTY



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# INTRODUCTION

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The Auto Drain system consists of a 12 volt normally open solenoid, a filter and assorted fittings. Designed to work with the Auto Pump 12V, 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 is installed on the Auto Drain assembly to seal off the vehicle's air pressure when the bleed valve opens.

## NOTES AND COMPONENTS

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### I. COMPONENTS OF THE AUTO DRAIN ASSEMBLY

ITEM	QUANTITY	PART NUMBER	DESCRIPTION
1.	1	A2211-S18	Solenoid Valve, 12 volts D.C., normally open
2.	1	F5044-02-DH-Z310	Filter, with metal bowl
3.	1	216P-2	Nipple, 1/8 NPT Close
4.	1	219-P-2	Plug, 1/8 NPT
5.	1	219-P-4	Plug, 1/4 NPT
6.	2	1202P4-4	Street elbow, 1/4 NPT
7.	1	PL1/4-NIUT	Elbow, 1/8 NPT, male - 1/4 tube
8.	1	CMMQ20-B	Check Valve, 1/4 NPT male -1/4 NPT male
9.	1	PLB101-4	Tee, brass, 1/4 NPT
10.	1	PVC-1/4	Sleeving, 1/4" PVC, 11 inches
11.	2	PLB112-4	Nipple, 1/4 NPT, Close
12.	1	PVC-105-5CL	#5 Tubing, 24" Clear

### II. NOTES

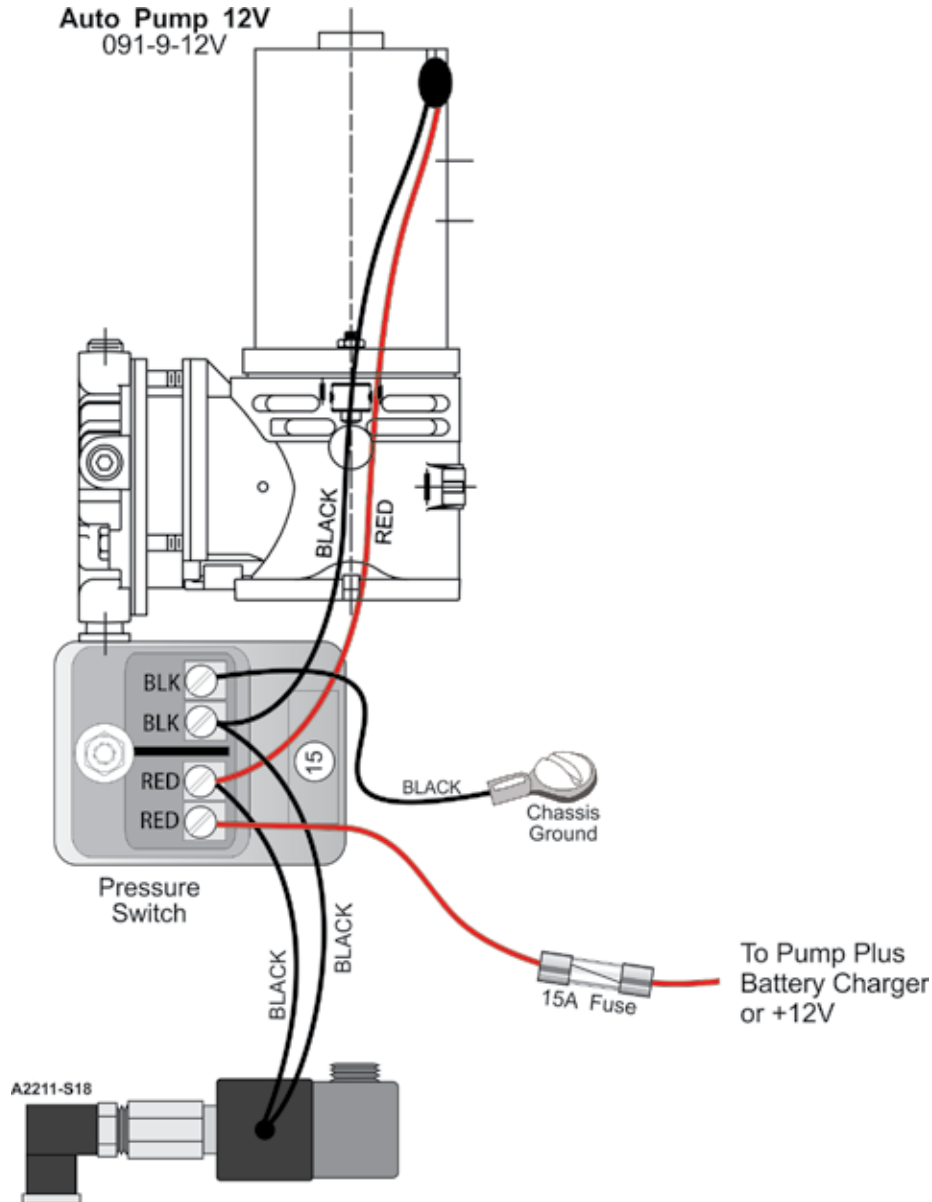
1. Install pressure switch on Auto Drain before installing Auto Drain on pump.
2. It may be necessary to slightly rotate solenoid valve by turning Filter Bowl to clear pressure switch when installing.
3. Remember to tighten Filter Bowl firmly after Pressure Switch is installed.

# INSTALLATION INSTRUCTIONS

## I. WIRING OF THE AUTO DRAIN TO THE AUTO PUMP 12V

1. Connect the Auto Drain solenoid wires to output terminals of pressure switch. These are the same terminals that supply power to the Auto Pump 12V motor.
2. The Auto Drain is now properly connected. Test by bleeding system pressure to start Auto Pump 12V and note that when pump shuts down, air and moisture will bleed out of drain tube.
3. Position drain tube to direct moisture to exterior of vehicle.

## II. WIRING DIAGRAM



# INSTALLATION RECORD

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DATE INSTALLED \_\_\_\_\_

INSTALLED BY \_\_\_\_\_

VEHICLE IDENTIFICATION \_\_\_\_\_

VEHICLE OWNER \_\_\_\_\_

# WARRANTY POLICY

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