

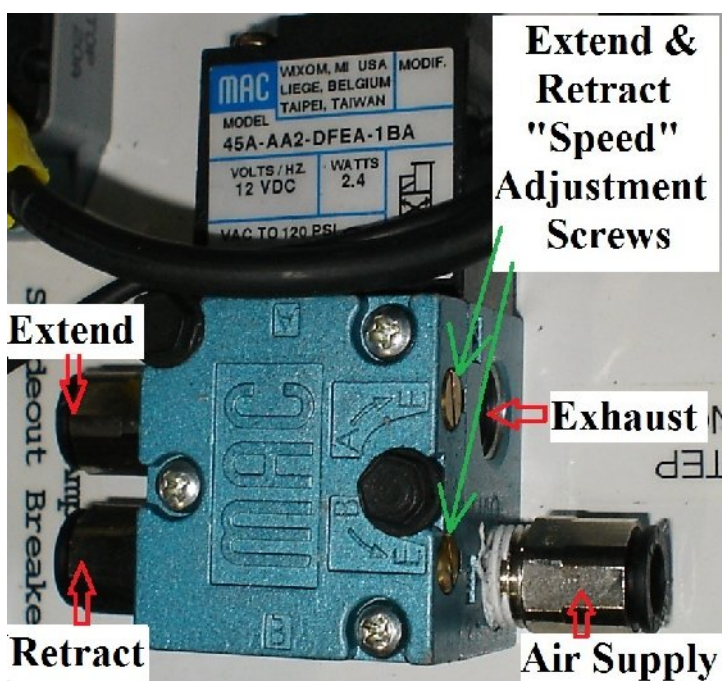
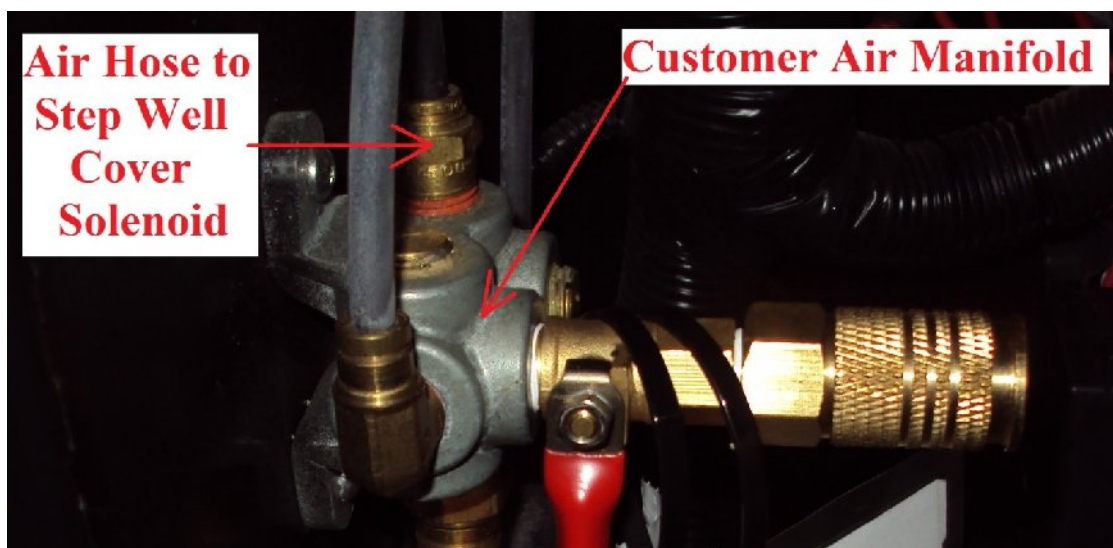


2010 43QGP Allegro Bus

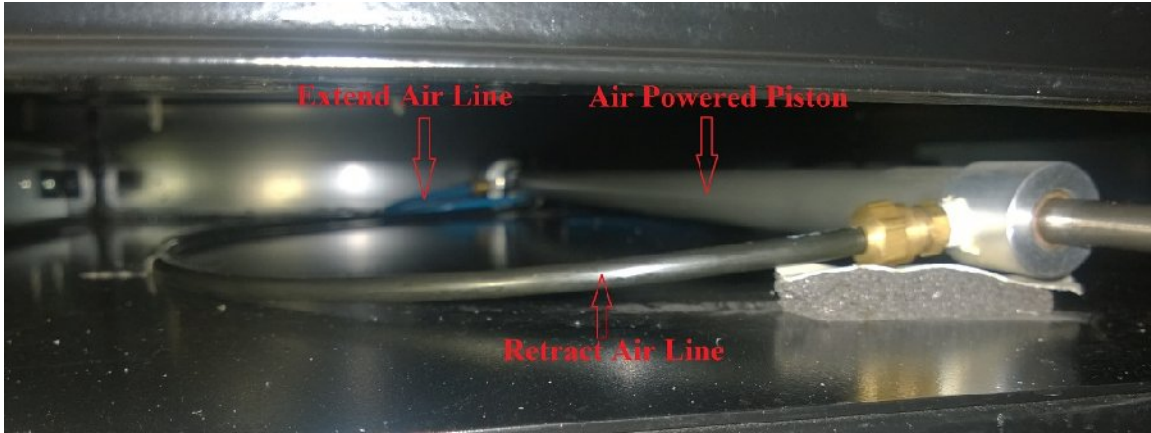
12/30/2015

132 - FYI – AIR POWERED STEP WELL COVER. Over the years questions have been asked about the step well cover, how it operates and how to adjust the speed of movement.

The step well cover is air powered air pressure is supplied by the customer air manifold located in the front outside electrical compartment.



The MAC solenoid and valve are located in the same front outside compartment. I marked the four air connections on the valve. When 12 volts is applied to the solenoid, air pressure passes thru the MAC valve into the EXTEND port air hose. The EXTEND air hose is routed thru the back of the step well cover where it is connected to the air piston mounted under the step well cover.



As seen in the above photo, the extend air hose is BLUE while the retract air hose is BLACK.

When air pressure is applied to the BLUE air hose the step well cover extends covering the inside steps. The step well cover stays extended until the 12 volt power supplied to the MAC solenoid is turned OFF, when power is turned off, the MAC solenoid valves move relieving air pressure supplied to the EXTEND port switching that air pressure to the RETRACT port while the extend air pressure is vented thru the valves exhaust port.

The step well's cover can be MANUALLY extended or retracted as long as the Air Powered Piston is not pressurized.

Carpeted Step Well cover removed



Step Well Cover Retracted



The MAC valve can be purchased from Tiffin or other locations. If looking to purchase you will need the following information.

45A - AA2 - DFEA - 1BA

45A - AA2 - D = 1/8" NPTF (National Pipe Thread, Fine), single operator

FE = 12 VDC (2.4 W) solenoid

A = 18" Flying Leads

1 = Manual Operator (Non-Locking)

BA = Electrical Connection (Flying Leads)