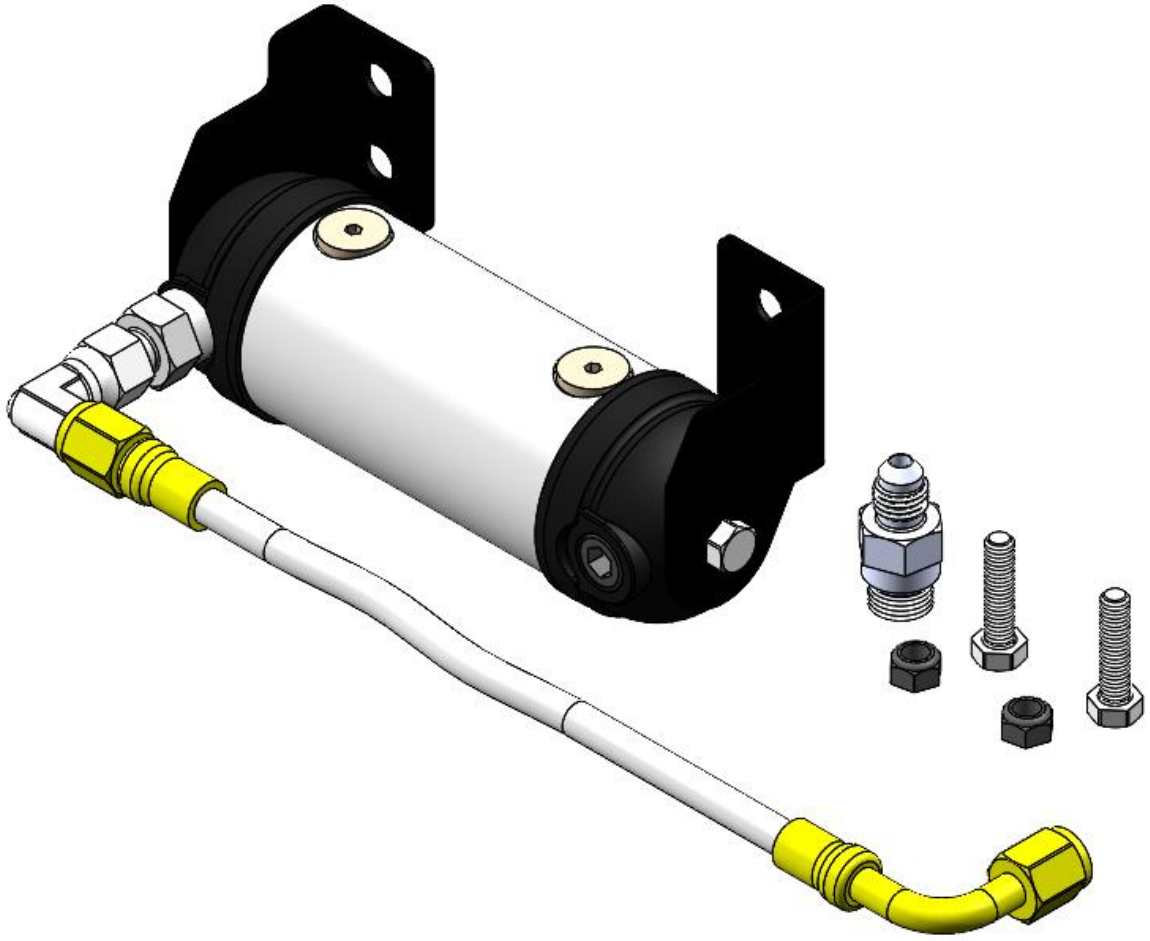
AIR LOCKER MANIFOLD KIT

INSTALLATION GUIDE



171503

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Description

The Air Locker Manifold Kit enables the installation of Air Locker solenoids to an air source (max 10bar [150PSI]) such as a compressor or a regulated gas bottle.

Kit Contents

The Air Locker Manifold Kit includes:

- Manifold body with mounting bracket
- 2 x 1/8" BSPP ports for installation of up to 2 x Air Locker solenoids
- 2 x 1/4" NPSC ports, one to be used as an input and the second could be used for installation of a pump up kit (ARB #171302)
  NOTE: NPSC Female ports can accept either NPT male (with sealant) or NPSC male fittings (O-Ring)
- 1 x high temperature resistant Teflon stainless steel braided hose with heavy duty JIC4 fittings
- 2 x JIC4 - 1/4NPSC nipples to connect the included hose to the compressor outlet and manifold kit input
- 1 x JIC4 90 degree elbow to allow flexibility in manifold mounting
- 2 x M6 hex head bolt and nylon lock-nuts for securing the manifold kit

Installation

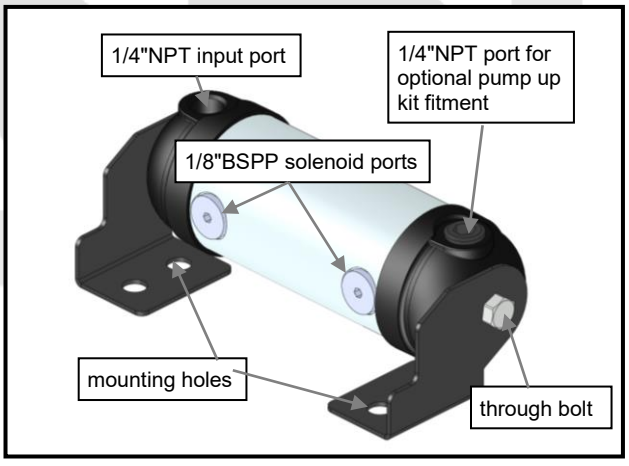
☐ Loosely screw the JIC4 nipples into the compressor outlet and Air Locker manifold input. Loosely connect the braided hose to the JIC4 fittings. Loosen off the Air Locker manifold through bolt to allow the manifold end caps to rotate. With all the fittings able to freely rotate, maneuver the Air Locker manifold around to find the most suitable mounting position.

☐ With the manifold in position, mark the location of the mounting holes on the mounting surface for drilling later.

☐ Remove the 1/8"BSPP plug(s) to install the Air Locker solenoid(s) and if applicable remove the 1/4"NPT plug to install the pump up kit.

☐ Install Air Locker solenoids, pump up kit and JIC4 nipples using thread sealant (eg. Loctite 569, PTFE tape, Loctite 567) and tighten.

NOTE : **NPSC fittings with O-Rings do not require additional sealant or tape**



☐ Ensure that the selected mounting position is still suitable with the all the equipment installed on the manifold. Then drill two mounting holes using the marks made earlier.

NOTE : **Select one hole from each mounting bracket that best suits the selected mounting position.**

☐ Tighten the Air Locker manifold through bolt to 9Nm [6.6ft.lb].

☐ Holding the Air Locker manifold in position, insert the provided M6 bolts through the mounting bracket and mounting surface, then assemble and tighten the nylon lock-nuts from the opposite side of the surface.

☐ Using one spanner to hold the JIC4 nipple from rotating, tighten the braided hose fittings onto the JIC4 nipples at the compressor outlet and manifold inlet.