



AMERICAN EXPEDITION
VEHICLES

JK REAR BUMPER PUMP KIT



Installation Guide – AEV30104AA

(Updated 05/05/10)



PLEASE READ BEFORE YOU START

IN ORDER TO INSTALL THIS PART PROPERLY YOU OR YOUR INSTALLER MUST READ THESE INSTRUCTIONS THOROUGHLY BEFORE BEGINNING THE INSTALLATION. FAILURE TO DO SO MAY RESULT IN MISTAKES AND AFFECT THE QUALITY OF THE FINISHED PRODUCT.

Included Parts	QTY	Required Tools
Anti-gravity Pump	1	Side Cutters
70mm Cap	1	Thread Compound
1/2" O.D. PEX Pipe	1	Tube Cutters
1/4" NPT Nylon Barb Fitting	1	
1/4" Vinyl Hose	1	
11" Cable Tie	6	
5/8" O.D. x 1/2" I.D. Tube	1	
PEX Elbow fitting	2	



A. PUMP KIT INSTALLATION

1. If you have purchased the pump kit along with the rear bumper you'll want to install the (2) PEX Elbow quick connect 1/2" CTS x 1/2" NPT male elbows and the 1/4" NPT male barb hose fitting to the corner tanks before bumper installation. Use thread sealing compound or Teflon tape on the fittings to keep from leaking.
2. If you have purchased the pump kit after the bumper has already been installed you'll need to unfasten the tanks from the bumper and the bracket attaching them to the frame. This will give you the access you need to install the fittings. Use thread sealing compound or Teflon tape on the fittings to keep from leaking. Once the fittings have been installed you can re-attach the tanks to the bumper and frame.
3. The final position and angle for the PEX Elbow fittings is critical for proper pipe routing. They should be pointing rearward in vehicle and at a 10deg downward angle.
4. Once the bumper is installed, insert one end of the 1/2" O.D. PEX pipe into one of the PEX Elbow quick connect fittings. Route the tube under the frame rails and along the bottom of the bumper securing it with the supplied cable ties.
5. Cut the tube to proper length and complete the union of tanks by inserting the open end of tube into the final PEX Elbow fitting.
6. Attach the clear 1/4" ID hose (for ventilation) to the barb fitting on top of the right hand tank under the fender flare. Remove the right hand tail lamp by removing the two inboard screws to allow access to the vent hose. Route the hose up inside the fender flare and through an access hole behind the flare in the body side. Most likely this hole will be filled with foam which you will need to clear to route the hose into the body behind the tail lamp. Secure the hose to the tail lamp wiring with the supplied cable tie. Re-install the tail lamp.





A M E R I C A N E X P E D I T I O N
V E H I C L E S

COMMENTS OR QUESTIONS?

Be sure to visit our forum at: <http://forum.aev-conversions.com>

American Expedition Vehicles

Phone: 406.251.2100

Email: tech@aev-conversions.com

Website: <http://www.aev-conversions.com>