INSTALLATION MANUAL:

2500150 - Crow's Foot Jam Nut Wrench Set

2500110 - Small Jam Nut Wrenches (pair)

2500120 – Large Jam Nut Wrenches (pair)

INCLUDED ITEMS

2500150 Crow's Foot Jam Nut Wrenches SET (Small and Large)			
QTY	Part Number	Description	Class/Grade
1	2500110	Crows Foot Jam Nut Wrench PAIR - Small	N/A
1	2500120	Crows Foot Jam Nut Wrench PAIR - Large	N/A

Product Notes and Features:

The Crow's Foot Jam Nut Wrench offers the perfect torquing solution for the hobbyist looking to tighten their Clayton Off Road control arm and track bar jam nuts to specification. Traditional large box wrenches have terrible tolerances. This wrench set is designed to provide a tight fit, without the worry of slipping off the nut, or rounding the sides.

- This tool kit set includes **FOUR** wrenches. Two are crow's foot design that **contacts all 6 sides of the small and large jam nuts**. The other two are standard-designed wrenches for easier access in hard-to-reach spots.
- LARGE wrenches are **1.843" side to side (provides a tighter, superior fit over that of a 1-7/8" box wrench)**
- SMALL wrenches are **1.485" side to side (provides a tighter, superior fit over that of a 1-1/2" box wrench)**

- **These wrenches are designed specifically for the Jam Nuts used on Clayton Off Road products and may not work on non-Clayton Off Road applications.**

These wrench ends are designed for typical installation and adjustment tasks. For situations requiring sustained high torque or frequent use, a properly sized box wrench is recommended. This set is intended to support Jeep enthusiasts during lift kit installation and general maintenance.

DISCLAIMER

WARNING:

Suspension systems and their components are designed to enhance your vehicle's off-road performance. This may cause your vehicle to handle differently, on and off-road. Always wear your seatbelt and take extra care when driving a modified vehicle. Failure to do so can result in loss of control which may result in a rollover causing serious injury, or even death to the driver and/or passengers of the vehicle. Regular maintenance and consistent inspections are required to keep your modified vehicle safe and functioning properly. These suspension systems and any components should be installed by certified technicians only. Attempts to install these products without proper knowledge can lead to poor performance, or possible failure, which may jeopardize the safety of the vehicle and its passengers. The installer is responsible for proper installation ensuring a safe and properly functioning vehicle. Take extra care when operating a modified vehicle and thoroughly inspect your vehicle before and after every off-road use.

Read the instruction set in its entirety before attempting the installation.

NOTE:

This product may require general welding, fabrication, and automotive mechanic skills. Welding should only be done by a competent welder. Clayton Off Road implies no guarantees or warranties and is not liable for improper installation. Some grinding and fitment may be required when installing this product. Every vehicle varies slightly, and some fabrication and/or modification may be required.

ATTENTION:

It is the customer's responsibility to thoroughly inspect all received parts to ensure they are assembled correctly and fully welded. Please carefully examine all weld seams and verify that bolt-through holes are properly aligned. Some Clayton Off Road products are permanent, non-removable, weld-on solutions. **If a defect or issue is found after installation, especially with permanent weld-on components, it may be difficult or impossible to correct.** Inspecting the part(s) received beforehand helps prevent unnecessary and avoidable complications.

ATTENTION: TORQUE SPECIFICATION

When working on any vehicle, it is good practice to torque suspension/weight-bearing components while the vehicle is resting under its load. This instruction set, as well as any other Clayton Off Road instruction set, assumes the installer will tighten any suspension-related components properly, to the recommended torque specification, when the vehicle is resting safely under its own weight.

INSTALLATION INSTRUCTIONS

TOOLS REQUIRED FOR INSTALLATION

- *Crow's Foot Wrench Set*
- *Torque wrench or breaker bar with ½" driver*

1. Position the vehicle on the ground. Insert one of the larger wrenches onto the ½" driver of your torque wrench or breaker bar and set the wrench to the required torque specification. **This wrench is meant to be used with Clayton Off Road Jam Nuts only, specifically the jam nuts on the lower control arms (front and rear).**

Figure 1: Torque wrench with new Crow's Foot Wrench

INSTALLATION INSTRUCTIONS

2. Slip the wrench over the jam nut you want to tighten. Slip the wrench **over the adjuster shank first, then line it up onto the jam nut.** See the photos below. **If you are having trouble using the crow's foot wrench in a tight spot, switch to the regular, open-ended wrench end.**

Crow's foot-style opening!

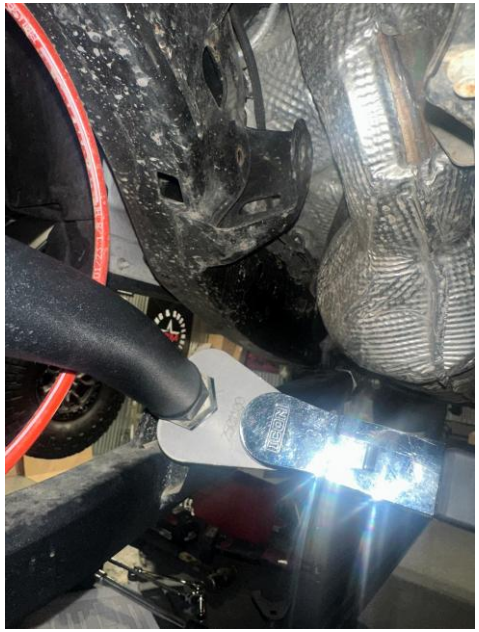
Regular wrench-style opening!

Figure 2: Crow's Foot Wrench (left) and open-ended wrench (right) slipped over jam nut

INSTALLATION INSTRUCTIONS

3. Repeat steps 1 and 2 but with the smaller wrench-ends. **These wrenches are meant to be used with Clayton Off Road Jam Nuts only, specifically the jam nuts on the upper control arms and track bars (front and rear).** As before, a crow's-foot-style wrench and a regular-style wrench end are provided.

Crow's foot-style opening!



Regular wrench-style opening!

Figure 3: Crow's Foot Wrench (left) and open-ended wrench (right) slipped over jam nut

INSTALLATION INSTRUCTIONS

4. Tighten the jam nuts. For most applications, you'll want to tighten the jam nuts as tight as humanly possible. This means putting all of your body weight and force into the tightening motion.

The installation is now complete. It is recommended to re-tighten all jam nuts after 500 miles of driving.